Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021 Groundwater Monitoring Report

Former Fort Ord, California

Prepared for:

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On behalf of:

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Table of Contents

Tables

Figures

Appendices

Acronyms and Abbreviations

µg/L	micrograms per liter
1,1-DCE	1,1-dichloroethene
1,2-DCA	1,2-dichloroethane
ACL	Aquifer Cleanup Level
Army	U.S. Department of the Army
CCRWQCB	California Regional Water Quality Control Board, Central Coast Region
COC	chemical of concern
CT	carbon tetrachloride
DO	dissolved oxygen
EISB	enhanced in situ bioremediation
FO-SVA	Fort Ord Salinas Valley Aquitard
GWMP	groundwater monitoring program
GWTP	groundwater treatment plant
GWTS	groundwater treatment system
MCL	Maximum Contaminant Level
MNA	monitored natural attenuation
N/A	not applicable
ND	not detected
ORP	oxidation-reduction potential
OU2	Operable Unit 2
OUCTP	Operable Unit Carbon Tetrachloride Plume
PCE	tetrachloroethene
PDB	passive diffusion bag
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
ROD	Record of Decision
SGS	SGS North America, Inc.
SIM	selected ion monitoring
TCE	trichloroethene
total 1,2-DCE	total 1,2-dichloroethene
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
VSR	Validation Summary Report

1.0 Introduction

The former Fort Ord, located in northern Monterey County, California (Figure 1) was an active U.S. Army base from 1917 to 1994 encompassing approximately 28,000 acres. The U.S. Environmental Protection Agency (USEPA) added Fort Ord to the National Priorities List primarily on the basis of groundwater contamination discovered in 1990 beneath the Fort Ord Landfills, which were subsequently designated as Operable Unit 2 (OU2). Fort Ord was placed on the Base Realignment and Closure list in 1991. As the lead agency, the U.S. Department of the Army (Army) manages the cleanup of the former Fort Ord in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act, commonly known as Superfund. Activities include conducting risk assessments, remedial investigations, feasibility studies, and implementation of selected remedies for site cleanup of hazardous substances released into the environment as a result of previous Army activities. The remedial alternative and cleanup goals are selected in a decision document, and remedial activities are initiated accordingly. Monitoring of remedial activities ensures the remedy is operating properly and successfully to achieve cleanup goals.

The quarterly groundwater monitoring program (GWMP) at the former Fort Ord began in 1993 as a result of a Basewide Remedial Investigation/Feasibility Study conducted in accordance with the Federal Facility Agreement. The Federal Facility Agreement became effective November 19, 1990 after it was signed by representatives of the Army, USEPA Region 9, the California Department of Health Services (now the California Department of Toxic Substances Control), and the California Regional Water Quality Control Board, Central Coast Region (CCRWQCB). The GWMP currently includes monitoring the progress of remedial actions at three sites: Sites 2 and 12, OU2, and Operable Unit Carbon Tetrachloride Plume (OUCTP). This report summarizes remedial activities and monitoring at OUCTP.

The quarterly GWMP includes measuring depth to water and collecting groundwater samples for chemical analysis from groundwater monitoring and extraction wells at OUCTP (Figure 2).[1] The presence and concentration of chemicals of concern (COCs) in wells associated with OUCTP are compared with each COC's Aquifer Cleanup Level (ACL) to determine their horizontal and vertical distribution in the aquifers. Table 1 lists the ACLs for OUCTP groundwater COCs as stated in the *Record of Decision, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (OUCTP ROD; Army, 2008). Groundwater elevations and flow directions are determined using depth to water measurements collected during the quarterly GWMP events.

[1] Well names are referenced throughout this report according to a Fort Ord-specific naming convention (ST-SSS-000-XXX), where ST = monitoring station type, SSS = two- or three-character site identification code, 000 = monitoring station number, and XXX = monitoring depth or aquifer designation. Monitoring station type codes (ST) are EW = extraction well, MP = multi-port well, MW = monitoring well, PZ = piezometer, and TS = treatment system. Site identification codes are BW = Basewide (generally OUCTP wells), OU1 = Operable Unit 1, and OU2 = Operable Unit 2, though a well with a specific code may be used to monitor more than one study area. Monitoring depths are expressed as feet below ground surface and aquifer designations are A = A-Aquifer, 180 = Upper or Lower 180-Foot Aquifer, and 400 = 400-Foot Aquifer. For example, well name MW-BW-15-A represents OUCTP monitoring well number 15 that is screened in the A-Aquifer.

Project activities were performed according to the following documents:

- *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Revision 8, Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume* (QAPP; Ahtna, 2021a)
- *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan Addendum, Former Fort Ord, California* (RAWP Addendum; AEI, 2016)
- *Accident Prevention Plan, Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (Ahtna, 2019) and associated Activity Hazard Analyses

1.1 Purpose of this Report

Ahtna Global, LLC prepared this *Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021 Groundwater Monitoring Report* on behalf of the U.S. Army Corps of Engineers (USACE) Sacramento District, per Contract W91238-19-C-0027. This report documents the groundwater remediation and monitoring activities conducted at OUCTP in the former Fort Ord, California (Figure 1) from October 1, 2020 through September 30, 2021 (the "reporting period"). The guidance contained in the *O&M Report Template for Ground Water Remedies (with Emphasis on Pump and Treat Systems)* (USEPA, 2005) was utilized in preparing this report.

This report presents:

- OUCTP GWMP data
- OUCTP enhanced in situ bioremediation (EISB) post-treatment monitoring data from previous deployment areas
- Detailed discussions of OUCTP GWMP results and remedy performance results
- Recommendations for system modifications to improve performance, reduce costs, and/or increase the likelihood of site closeout

1.2 Brief Summary of Conceptual Site Model

OUCTP includes portions of three aquifers: the A-Aquifer, the Upper 180-Foot Aquifer, and the Lower 180-Foot Aquifer. OUCTP COCs for each aquifer are listed in Table 1; however, carbon tetrachloride (CT), with an ACL of 0.5 micrograms per liter (µg/L), is used to define the extent of the OUCTP area because it is historically the most frequently detected COC with a plume extent that encompasses the areas of all other detected COCs. No contamination has been observed in the 400-Foot Aquifer.

Depth to groundwater in the unconfined A-Aquifer is 24 feet to 175 feet below ground surface across the northern part of the former Fort Ord. Groundwater in the A-Aquifer flows from the south to the north and deviates to the west and east along a north to northeast-trending groundwater divide, which extends from the eastern portion of the Fort Ord Landfills to the former Fritzsche Army Airfield (now the Marina Municipal Airport) (Figures 3 through 6). Groundwater west of the A-Aquifer divide flows toward the western edge of the Fort Ord Salinas Valley Aquitard (FO-SVA), where it enters the unconfined portion of the Upper 180-Foot Aquifer. Groundwater flowing east of the A-Aquifer divide eventually discharges to the Salinas River. The A-Aquifer lithology consists primarily of fine to medium well-sorted

dune sands and is separated from the Upper 180-Foot Aquifer by the FO-SVA, which consists primarily of blue-gray plastic clay with interbedded units of fine sand. The FO-SVA Channel Low preferential pathway is present in the A-Aquifer and is a very important feature. This feature is a significant reason for the locations of new wells for the site.

CT was apparently disposed of at a location near what is now Lexington Court (within the former Fort Ord) possibly sometime in the 1950s as part of various training and maintenance activities where CT and other solvents were used (MACTEC, 2006). CT (and other volatile organic compounds [VOCs] to a lesser extent) entered the underlying A-Aquifer and migrated north along the western edge of the groundwater divide, then west-northwest parallel to Reservation Road.

Depth to groundwater in the Upper 180-Foot Aquifer is between 45 feet and 260 feet below ground surface across the northern part of the former Fort Ord. The Upper 180-Foot Aquifer lithology consists primarily of sandy deposits with some gravel approximately 60 feet thick and is separated from the Lower 180-Foot Aquifer by the Intermediate 180-Foot Aquitard, which consists primarily of silt and clay units. Groundwater in the Upper 180-Foot Aquifer flows eastward and southeastward (Figures 14 through 17). The plume migrated into the Upper 180-Foot Aquifer through two known vertical conduits in the FO-SVA, creating two distinct parallel plumes. These vertical conduits (monitoring wells installed with inadequate sanitary seals) were decommissioned in 1999 and 2005. The two parallel plumes commingled and continued to migrate southeastward toward a natural vertical conduit (a discontinuity in the Intermediate 180-Foot Aquitard) southeast of monitoring well MW-OU2-64-180.

The Lower 180-Foot Aquifer consists of approximately 200 feet of coarse sand and gravel. Significant local and regional pumping from this aquifer since the 1940s has resulted in seawater intrusion that extends to the northern portion of OUCTP and a reversal of natural groundwater flow direction. Groundwater flows to the east in the Lower 180-Foot Aquifer (Figures 25 through 28) but varies seasonally between northeast and southeast in response to increased agricultural pumping in the Salinas Valley. CT entered the Lower 180-Foot Aquifer likely through at least one of the same vertical conduits through which it entered the Upper 180-Foot Aquifer, and also through the natural vertical conduit in the Intermediate 180-Foot Aquitard, creating two distinct plumes: one north and one south of Reservation Road. VOC concentrations associated with OUCTP in the Lower 180-Foot Aquifer south of Reservation Road are commingled with VOC concentrations associated with OU2.

1.3 Statement of Remedy Goals and Conditions for Terminating the Groundwater Remedy

Groundwater at OUCTP is considered a potential drinking water, industrial water, and agricultural water source under the *Water Quality Control Plan for the Central Coast Basin* (CCRWQCB, 2019) although the water is not currently being used for these purposes. Accordingly, the OUCTP groundwater remedy goals are to protect human health and comply with Federal and State laws and regulations by returning groundwater to a condition that will allow beneficial use, including potential future use as a drinking water source, as described in OUCTP ROD (Army, 2008). Specifically, the remedial action objective is to remediate COCs in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer to Federal or State drinking water Maximum Contaminant Levels (MCLs) or lower for some COCs. These goals are

accomplished through EISB and monitored natural attenuation (MNA) in the A-Aquifer, hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater exceeding ACLs in the Upper 180-Foot Aquifer, and MNA in the Lower 180-Foot Aquifer. It is further stated in the OUCTP ROD that the achievement of the remedial action objectives would restore the beneficial uses of groundwater within and adjacent to OUCTP and the ACLs are acceptable contaminant concentrations that, when achieved within a site, would reduce potential risks and comply with applicable or relevant and appropriate requirements. It is anticipated that the remedies will achieve the cleanup of the COCs to MCLs in groundwater at the OUCTP in 2029.

The OUCTP groundwater plume is characterized by the presence of eight COCs (Chloroform; CT; 1,1-dichloroethene [1,1-DCE]; methylene chloride; tetrachloroethene [PCE]; total 1,2-dichloroethene [total 1,2-DCE]; vinyl chloride; and trichloroethene [TCE]) in groundwater in the A-Aquifer, one COC (CT) in the Upper 180-Foot Aquifer, and two COCs (CT and 1,2-dichloroethane [1, 2-DCA]) in the Lower 180-Foot Aquifer at concentrations above their respective ACLs (Table 1).

Criteria for terminating the groundwater remedy are based on decision rules identified in the QAPP (Ahtna, 2021a). Groundwater monitoring wells and extraction wells are sampled quarterly during the remediation monitoring phase. The remediation monitoring phase is complete and the attainment monitoring phase begins when four consecutive quarters of monitoring data show concentrations of all COCs in a well are less than or equal to their respective ACLs.[2] The attainment monitoring phase for a well is complete when concentrations of all COCs in the well meet one of the following statements:

- COC concentrations are less than or equal to their respective ACLs in eight consecutive monitoring events and data analysis indicates COC concentrations are stable or declining,[3] or
- COC concentrations are below their respective limits of quantitation or below 10 percent of their respective ACLs, whichever is greater, in six consecutive monitoring events.

When the attainment monitoring phase for a well is complete, the well may be removed from the sampling program. If the well is no longer needed for groundwater elevation data, it will be proposed for decommissioning. The groundwater remedy termination metric to be evaluated will be whether the attainment monitoring phase is complete for all wells within each hydraulic zone at OUCTP,[4] at which point the groundwater remedy for each aquifer may be terminated and closure of the OUCTP groundwater remedies will be proposed in a remedial action completion report.

1.4 Remedy Description

The A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer are impacted by OUCTP COCs (Table 1). The remedies for each aquifer are described in the OUCTP ROD (Army, 2008) and summarized below. In a letter dated September 3, 2013, the USEPA concurred with the Army's determination that

[2] The remediation monitoring phase and the attainment monitoring phase are defined in the *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well* (USEPA, 2014).

[3] The eight consecutive monitoring events may include events completed during the remediation monitoring phase.

[4] See the QAPP (Ahtna, 2021a) for descriptions of OUCTP hydraulic zones. Maps of the OUCTP hydraulic zones in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer are presented in Figures 8-11, 19-22, 30-33, respectively.

the OUCTP remedies are "operating properly and successfully" and provided a remedy construction complete determination (USEPA, 2011 and 2013).

1.4.1 A-Aquifer EISB

The OUCTP A-Aquifer groundwater remedy is EISB performed in six deployment areas (Pilot Study, 1A, 1B, 1C, 2A, and 2B) from 2007 to 2012, and MNA as described in the *Final Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Action Construction Completion Report* (Shaw, 2012).[5]

In June 2015 eight new OUCTP A-Aquifer groundwater monitoring wells were installed to delineate the CT plume in the southeastern portion of the estimated plume extent near the groundwater divide. The results of the investigation indicated the CT plume had migrated further east and north than previously defined and the potential for the plume to migrate further. Therefore, EISB Deployment Area 3A was constructed in October 2016 and began operation in December 2016 according to the RAWP Addendum (AEI, 2016). Injection and recirculation of the sodium lactate substrate was completed in August 2017, after which the injection and recirculation system was shut down and long-term performance monitoring was initiated. The ten extraction wells and four monitoring wells within EISB Deployment Area 3A were monitored quarterly, from the Third Quarter 2017 through the Fourth Quarter 2018. Detailed analysis of the results of the EISB treatment in Deployment Area 3A is presented in the *OUCTP Deployment Area 3A Data Summary Report, EISB* (AEI, 2020).

Groundwater in the A-Aquifer is monitored in select deployment area wells for post EISB-treatment water quality parameters as well as COCs. The measurement data is used to assess the effect of EISB on the aquifer and reduction of COC concentrations to support MNA as described in the *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan, Former Fort Ord, California; Appendix A, Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Design Addendum* (AES, 2014).

1.4.2 Upper 180-Foot Aquifer Pump and Treat

The Upper 180-Foot Aquifer groundwater remedy has been in operation since September 2011 and includes one groundwater extraction well (EW-OU2-09-180) connected to the OU2 groundwater treatment system (GWTS). The extracted groundwater is treated with granular activated carbon as described in the OU2 Groundwater Monitoring and Treatment System Quarterly and Annual Reports. The OU2 groundwater treatment plant (GWTP) was transitioned from the old facility located at the western extent of the OU2 plume area to a new facility located at the Fort Ord Landfills. During the transition period (October 12 to November 21, 2018), the OU2 GWTS and EW-OU2-09-180 were offline; however, there were no significant changes in CT concentrations observed at EW-OU2-09-180 or nearby monitoring wells as a result of the OU2 GWTS being offline during the transition.

1.4.3 Lower 180-Foot Aquifer MNA

MNA was implemented as the groundwater remedy for the Lower 180-Foot Aquifer in March 2011 as described in the *Final Operable Unit Carbon Tetrachloride Plume, Lower 180-Foot Aquifer Remedial Design* (Shaw, 2010) and in the *Final Well Installation Completion Report, Operable Unit Carbon*

[5] EISB provides a substrate (carbon source) to the existing bacteria in the groundwater to support anaerobic degradation (reductive dechlorination) of COCs. Sodium lactate was used as the substrate in all of the OUCTP EISB deployment areas.

Tetrachloride Plume Lower 180-Foot Aquifer and Operable Unit 2 (AES, 2011). Additionally, there is a contingency plan for wellhead treatment of groundwater (via granular activated carbon or air stripping) at potable water supply wells that are extracting groundwater from the Lower 180-Foot Aquifer if COCs associated with OUCTP are detected at concentrations above the ACLs in these water supply wells (Shaw, 2010). Groundwater monitoring locations for each aquifer are shown in Figure 2.

1.4.4 Other Remedy Components

As specified in the OUCTP ROD (Army, 2008), the remedy includes institutional controls (i.e., deed restrictions) to prevent access or use of groundwater within the OUCTP area for any purpose until cleanup levels are met, and to maintain the integrity of any current or future remedial or monitoring system including monitoring, extraction, and injection wells.

2.0 Subsurface Performance Summary

2.1 Sampling Events Performed During this Reporting Period

This report summarizes OUCTP GWMP field and laboratory data gathered during four quarterly monitoring events. The monitoring events occurred as tabulated below.[6]

Scheduled GWMP Events

Event Description	Start Date	End Date
Fourth Quarter 2020	December 7, 2020	December 11, 2020
First Quarter 2021	March 1, 2021	March 5, 2021
Second Quarter 2021	June 7, 2021	June 11, 2021
Third Quarter 2021	August 30, 2021	September 3, 2021

2.2 Sampling Methodologies and Laboratory Analyses

The majority of the groundwater samples were collected using passive diffusion bags (PDBs) at groundwater monitoring wells and extraction wells where the extraction pump was removed. Vertical placement of a PDB within the well screen is designed to capture the highest COC concentration zone of the aquifer based on historical data from the saturated screen interval. If the well has two or more high (or similar) COC concentration zones, then hanging multiple PDBs or periodically rotating a PDB between hanging stations is necessary.

PDBs are placed at a designated depth using PDB sampler hardware consisting of a dedicated rope and stainless steel weight secured to the top of the well casing or well cap. The PDB hardware rope is fitted with PDB hanging stations, usually at 5-foot intervals in the well screen zone. Depth to water measurements taken prior to sample collection ensures proper placement and complete groundwater submersion of the PDB, which is necessary for representative data collection. Once sampling is completed, a new PDB for the next quarterly GWMP event (if the well is sampled quarterly) is hung at the appropriate station. PDBs are typically left in place for three months (but must remain in place for at least two weeks) before sampling.

Some monitoring wells are multiport wells with multiple screened zones across multiple aquifers. These multiport wells are sampled and monitored for depth to groundwater using Westbay Instruments® multilevel groundwater monitoring system.

Select monitoring wells in the EISB deployment areas are also monitored for water quality parameters including dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductance, temperature, and turbidity (AES, 2014). A downhole water quality meter is used to measure the water quality parameters at each of the wells after they are sampled with PDBs.

[6] The listed start and end dates are the scheduled GWMP event dates. Additional samples may be collected after the scheduled end date for technical reasons (see Section 2.3 and Table 3).

Samples from operable Fort Ord supply wells are collected from a designated sampling spigot at the wellhead, which is turned online for a sufficient time before sampling to remove stagnant water from pumping and sampling pipes. Sampling standard operating procedures and the monitoring schedule for the OUCTP GWMP are in the QAPP (Ahtna, 2021a).

SGS North America, Inc. (SGS) performed analyses for the OUCTP GWMP. SGS is accredited through the Department of Defense Environmental Laboratory Accreditation Program (Ahtna, 2021a). OUCTP GWMP samples are analyzed for a project-specific list of OUCTP COCs (Table 1) by USEPA Method 8260 SIM (selected ion monitoring).

2.3 Deviations from the QAPP

The 2019 coronavirus disease (COVID-19) pandemic caused temporary staffing shortages at the SGS Orlando laboratory during the reporting period. SGS subcontracted the Fourth Quarter 2020 GWMP event sample analyses to the Eurofins Test America Seattle laboratory with USACE approval. Eurofins Test America is accredited through the Department of Defense Environmental Laboratory Accreditation Program (Ahtna, 2021b). Eurofins Test America used method 8260 Low Level instead of 8260 SIM. All OUCTP COCs, except methylene chloride, had a limit of quantitation (LOQ) at or below the LOQs listed in the QAPP (Ahtna, 2021a). The LOQ for methylene chloride was at the ACL; however, this was determined not to be a quality issue. Eurofins Test America was not able to analyze OUCTP A-Aquifer COC total 1,2-dichloroethene (Table 1) and these data were inferred from analytical data for the isomers cis-1,2-dichloroethene and trans-1,2-dichloroethene (Table 6).

The scheduled GWMP sample locations are listed in Table 2. Changes in the GWMP during the reporting period are listed in Table 3.

The groundwater monitoring well sampling schedule is adjusted periodically to fill data gaps or reduce sampling frequency at locations that have historically low COC concentrations. These adjustments are made based on analyses of historical results at each sampling point and comparison to decision rules in the QAPP (Ahtna, 2021a).

2.4 Well Maintenance

Field teams evaluated the physical integrity of each well during routine monitoring activities to ensure collection of representative samples, aquifer protection from potential exposure to surface contaminants, and safe access to the well by field technicians. Well maintenance notes and repairs are shown in Table 4.

2.5 Sampling Results and Interpretation

2.5.1 A-Aquifer

2.5.1.1 Water Levels

Depth to groundwater measurements were collected from 99 OUCTP A-Aquifer wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP A-Aquifer during the reporting period are presented in Figures 3 through 6. Hydrographs of representative A-Aquifer wells in Figure 7 show relatively steady

groundwater elevations in the A-Aquifer over time, though with a downward trend. Groundwater elevations decreased by 0.26 of a foot on average since the Second Quarter 2021 (Ahtna, 2021c) and decreased by 0.44 of a foot on average compared to Third Quarter 2020 (Ahtna, 2021d). The average OUCTP A-Aquifer groundwater elevation has increased 4.3 feet since the Second Quarter 2015, which was the lowest groundwater elevation observed in the last nine years.

During the reporting period, groundwater elevations and flow directions in the A-Aquifer were consistent with previous trends. Groundwater elevations in the A-Aquifer do not exhibit significant seasonal variation, likely due to the thick vadose zone (up to 175 feet) that appears to buffer precipitation infiltration over time and no seasonal increased pumping of the aquifer. With the exception of the western A-Aquifer near the edge of the FO-SVA where groundwater elevations were consistent throughout the period of the hydrograph, elevations have exhibited a decreasing trend since reaching relative highs during El Niño related precipitation in 1997 and 1998 and reached historic lows during the Second Quarter 2015.

Local drought conditions led to less than normal precipitation in the 2012-2015 water years.[7] Normal and above-normal precipitation occurred in the 2016-2019 water years (except for the 2018, which was below normal precipitation levels). A decrease in average precipitation occurred in the 2020-2021 water years. Average California drought intensity was categorized as shown in the table below, ranging from "None: No Drought" to "D4: Exceptional Drought". Drought intensity peaked during the 2015 water year, with 46 percent of the state of California categorized as "D4: Exceptional Drought" conditions. Dramatic drought condition improvement was seen in the 2017 water year with 54 percent of the state of California with "None: No Drought" conditions. This drought improvement receded in the 2018 water year with 35 percent of the state with "None: No Drought" conditions and 32 percent in the "D0: Abnormally Dry" conditions, though in the 2019 water year 62 percent of the state of California was in "None: No Drought" conditions, which was the highest observed since 2013. In the 2021 water year, drought conditions were intense, with most of the state experiencing conditions ranging from "D0: Abnormally Dry" to "D4: Exceptional Drought".

Local Precipitation Drought Conditions, Water Years 2012 through 2021

Water Year	Percent of Average Precipitation in California Central Coast Salinas River[8]	Percent Area Covered in California: Average Drought Intensity[9]					
		None: No Drought	D0: Abnormally Dry	D1: Moderate Drought	D2: Severe Drought	D3: Extreme Drought	D4: Exceptional Drought
2012	67	No Data					
2013	64	9	17	26	46	2	0
2014	51	1	1	5	33	36	23

[7] Water Year: time period of 12 months between October 1 and Sept 30 for which precipitation totals are measured.

[8] Source (DWR, 2012 to 2021).

[9] Source (NIDIS, 2021).

Water Year	Percent of Average Precipitation in California Central Coast Salinas River[8]	Percent Area Covered in California: Average Drought Intensity[9]					
		None: No Drought	D0: Abnormally Dry	D1: Moderate Drought	D2: Severe Drought	D3: Extreme Drought	D4: Exceptional Drought
2015	71	0	2	5	21	27	46
2016	107	1	8	16	20	23	32
2017	176	54	15	11	7	7	6
2018	67	35	32	20	11	2	0
2019	143	62	16	17	5	1	0
2020	79	47	23	19	10	2	0
2021	56	2	6	17	23	36	16

2.5.1.2 Groundwater COC Concentrations

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2020 groundwater samples were collected at 45 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 6. CT concentrations and COC contours at the ACL are shown in Figure 8.[10]
- During the First Quarter 2021 groundwater samples were collected at 45 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 7. CT concentrations and COC contours at the ACL are shown in Figure 9.
- During the Second Quarter 2021 groundwater samples were collected at 45 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 8. CT concentrations and COC contours at the ACL are shown in Figure 10.
- During the Third Quarter 2021 groundwater samples were collected at 60 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 9. CT concentrations and COC contours at the ACL are shown in Figure 11.

Figure 12 shows historical and current CT ACL exceedance contours. The Validation Summary Reports (VSRs) are presented in Appendix A. Appendix B contains CT historical trend charts for select OUCTP monitoring wells. Below is a summary of COC analytical results at the OUCTP A-Aquifer for the Third Quarter 2021.

[10] CT ACL exceedance contours in Figures 8 through 13, 19 through 24, and 30 through 39 are not drawn around single wells with CT concentrations above the CT ACL if the well is outside the main CT plume and there are insufficient data to establish the extent of a plume contour. Regardless, all wells with detected concentrations of CT above the CT ACL are indicated by bolded font in the figures and associated tables.

Two of the eight COCs (CT and chloroform) were detected above their ACLs in the OUCTP A-Aquifer during the Third Quarter 2021. The other six COCs were either detected below their ACLs or not detected (ND) in the OUCTP A-Aquifer (Table 9). The maximum concentration of each COC in the Third Quarter 2021 is summarized in the table below.

Maximum COC Concentrations for the OUCTP A-Aquifer in the Third Quarter 2021

COC Name	ACL (µg/L)	Maximum Concentration (µg/L)		Locations Above ACL	Locations with Detections	Additional Comments
		Result	Location			
1,1-DCE	6.0	ND[11]	N/A[12]	0	0%	No detections in the A-Aquifer
Total 1,2-DCE	6.0	0.23 J[13]	MW-BW-27-A	0	2%	EISB Deployment Area 2A
CT	0.5	5.4	MW-BW-80-A	19	67%	Downgradient of EISB Pilot Study Area
Chloroform	2.0	2.1	MW-BW-36-A	1	63%	Downgradient of EISB Deployment Area 2A
Methylene chloride	5.0	ND	N/A	0	0%	No detections in the A-Aquifer
PCE	5.0	0.11 J	EW-BW-129-A	0	2%	EISB Deployment Area 2A
TCE	5.0	1.1	EW-BW-129-A	0	22%	EISB Deployment Area 2A
Vinyl chloride	0.1	ND	N/A	0	0%	No detections in the A-Aquifer

Two of the eight OUCTP A-Aquifer COCs were detected at concentrations exceeding their respective ACLs during the reporting period (CT and chloroform). The remaining six OUCTP A-Aquifer COCs were detected at concentrations at or below their respective ACLs or were ND in the OUCTP A-Aquifer (Tables 6 through 9). Figures 8 through 11 show CT detections and detections of COCs other than CT that exceeded their respective ACLs during the reporting period, and the validation qualifiers as described in Appendix A. The maximum concentration of each COC in the reporting period is summarized in the table below.

[11] ND: Not detected at monitoring or extraction well locations during the reporting period. A detection is a concentration at or above the laboratory limit of detection.

[12] N/A: not applicable.

[13] J: an estimated detection below the limit of quantitation.

Maximum COC Concentrations for the OUCTP A-Aquifer during the Reporting Period (2020-4Q through 2021-3Q)

COC Name	ACL (µg/L)	Maximum Concentration (µg/L)		Quarter Identified	Additional Comments
		Result	Location		
1,1-DCE	6.0	ND	N/A	N/A	No detections in the A-Aquifer; the last detection was in the 2016-2017 reporting period at MW-BW-50-A.
Total 1,2-DCE	6.0	0.28 J	EW-BW-135-A	2021-2Q	Located in EISB Deployment Area 2A; total 1,2-DCE was only detected in one other well (MW-BW-27-A in EISB Deployment Area 2B), which is similar to the previous reporting period (Ahtna, 2021d).
CT	0.5	5.4	MW-BW-80-A	2021-3Q	Downgradient of EISB Pilot Study Area; concentration increased compared to the previous reporting period (Ahtna, 2021d).
Chloroform	2.0	9.6	MW-BW-36-A	2020-4Q	Upgradient of EISB Pilot Study Area; concentration decreased compared to the previous reporting period (Ahtna, 2021d).
Methylene Chloride	5.0	ND	N/A	N/A	No detections in the A-Aquifer; the last detection was in the 2019-2020 reporting period.
PCE	5.0	0.15 J	EW-BW-129-A	2021-1Q	EISB Deployment Area 2A. PCE was also detected at MW-BW-17-A and EW-BW-124-A during the reporting period and was comparable to the previous reporting period (Ahtna, 2021c).
TCE	5.0	1.6	EW-BW-129-A	2020-4Q	EISB Deployment Area 2A. TCE concentration comparable to the previous reporting period (Ahtna, 2021d).
Vinyl chloride	0.1	ND	N/A	N/A	No detections in the A-Aquifer.

The maximum concentrations of COCs detected during the reporting period were generally consistent with the maximum COC concentrations detected in the previous reporting period (Ahtna, 2021d) and generally occurred at the same wells or in the same hydraulic zone with a couple exceptions. CT was detected at the maximum concentration in Hydraulic Zone 5 well MW-BW-80-A during the reporting period; however, the maximum CT concentration detected during the previous reporting period (4.9 µg/L) was in Hydraulic Zone 4 at MW-BW-26-A (Ahtna, 2021d). The maximum detected chloroform

concentration during the reporting period decreased compared to the previous reporting period (Ahtna, 2021d), but was in the same hydraulic zone.

Select A-Aquifer monitoring well COC concentration trends that are representative for each hydraulic zone are presented in Appendix B.[14] The extent of the CT plume has historically remained relatively stable through the reporting period; however, the CT plumes in the A-Aquifer exhibited some changes during the previous reporting period (Ahtna, 2021d). The CT A-Aquifer plume changes during the reporting period are described below according to hydraulic zone as shown in the QAPP (Ahtna, 2021a) and Figures 8, 9, 10, 11 and summarized in Appendix B (Table B2):

- **Hydraulic Zone 1:** This area encompasses the Lexington Court source area and EISB Deployment Areas 1A, 1B, and 1C (Figure 13). The CT plume remained the same during the reporting period until the Third Quarter 2021 when concentrations of CT decreased below the ACL at EW-BW-109-A for the first time since 2014 (Figure 11 and Appendix B, Figure B5). EW-BW-109-A was the only well with concentrations of CT above the ACL in Hydraulic Zone 1 (Appendix B, Table B2); however, this well is not connected to the main CT plume due to CT concentrations below the ACL in several wells to the north. Monitoring wells in EISB Deployment Areas 1A and 1B have been removed from the groundwater monitoring program due to low CT concentrations; however, wells in EISB Deployment Area 1C continue to be monitored. During the reporting period, the maximum CT concentration was 1.4 J+ µg/L at EW-BW-109-A in the First Quarter 2021 with a decreasing trend (Appendix B, Table B2 and Figure B5).
- **Hydraulic Zone 2:** This area encompasses a portion of EISB Deployment Area 3A and downgradient areas east of the groundwater divide (Figure 13).[15] The extent of the CT plume in this area increased during the First Quarter 2021 event (Figure 9) when CT concentrations were detected above the ACL at monitoring well MW-BW-94-AR, which decreased below the ACL in the Second Quarter 2021 (Figure 10). During the reporting period, six monitoring wells in this area had concentrations of CT that were above the ACL, with a maximum concentration of 3.9 J+ µg/L at MW-BW-87-A in the First Quarter 2021 with an increasing trend (Appendix B, Table B2 and Figure B41). All other wells above the CT ACL in Hydraulic Zone 2 had steady or decreasing trends (Appendix B, Table B2).
- **Hydraulic Zone 3:** This area encompasses a portion of EISB Deployment Area 3A and downgradient areas west of the groundwater divide (Figure 13). The extent of the CT plume in this area decreased during the reporting period, when CT concentrations were detected below the ACL at MW-BW-89-A in the Second Quarter 2021 (Figure 10). During the reporting period, three monitoring wells in this area had CT concentrations above the ACL, with the maximum CT concentration of 1.4 µg/L detected at MW-BW-95-A in the First Quarter 2021 with a decreasing trend (Appendix B, Table B2 and Figure B49). All other wells above the CT ACL in Hydraulic Zone 3 had steady or decreasing trends (Appendix B, Table B2).

[14] Hydraulic zones are based on the zone of groundwater with COC concentrations above ACLs and influenced by the groundwater remedy.

[15] EISB treatment at Deployment Area 3A was conducted from 2016 to 2017 (see Section 2.5.1.3).

- **Hydraulic Zone 4:** This area encompasses the central part of the CT plume, including EISB Deployment Areas 2A and 2B and downgradient areas (Figure 13). CT concentrations generally decreased during the reporting period decreasing the size of the plume (Figures 8-11). During the reporting period, CT was detected at concentrations above the ACL in 11 monitoring wells, with the maximum CT concentration of 4.1 µg/L detected at EW-BW-129-A in the Fourth Quarter 2020 event with a decreasing trend (Appendix B, Table B2 and Figure B7). Additionally, the concentration of chloroform exceeded the ACL in two monitoring wells during the reporting period, with the maximum chloroform concentration of 9.6 µg/L detected at MW-BW-36-A in the Fourth Quarter 2020 event (Table 6). All other wells above the CT ACL in Hydraulic Zone 4 had steady or decreasing trends (Appendix B, Table B2), except for MW-BW-31-A with an increasing trend (Appendix B, Figure B25).
- **Hydraulic Zone 5:** This area encompasses the EISB Pilot Study area and downgradient areas in the City of Marina (Figure 13). During the reporting period CT concentrations increased above the ACL at a couple monitoring wells increasing the plume size (Figures 8 through 11). During the reporting period, CT was detected at concentrations greater than the ACL in seven monitoring wells in this area, with the maximum concentration of 5.4 µg/L at MW-BW-80-A in the Third Quarter 2021 event with an increasing trend (Appendix B, Table B2 and Figure B38). There were three other wells with increasing trends (MW-BW-65-A Figure B33, MW-BW-75-A Figure B36, and MW-BW-79-A Figure B37) and three with steady concentration trends in Hydraulic Zone 5 (Appendix B, Table B2).

2.5.1.3 EISB Post-Treatment and Long-Term Monitoring

EISB was conducted between 2008 and 2012 and again from 2016 to 2017. Post-treatment and long-term monitoring are conducted at select wells in each of the seven deployment areas (Pilot Study, 1A, 1B, 1C, 2A, 2B, and 3A) within the OUCTP A-Aquifer (Figure 13). Water quality parameters are measured with a downhole meter at each well to collect DO, ORP, pH, specific conductance, temperature, and turbidity. These wells are also monitored for COCs with PDBs.[16] DO, ORP, and COC data for each well and each deployment area are evaluated for enhanced biodegradation and potential COC rebound in the OUCTP A-Aquifer.

Within each deployment area, DO and ORP return to baseline levels as untreated groundwater enters the area. The conditions in the downgradient wells are more favorable for EISB as indicated by lower DO and ORP values. Table 10 and Figure 13 show the EISB post-treatment parameter results during the reporting period. Monitoring results are summarized below:

- **Pilot Study Area**: Treatment was conducted from January to April 2008.[17] Two wells (EISB-EW-12 and EISB-EW-15) were monitored quarterly for water quality parameters in the EISB Pilot Study area during the reporting period. DO and ORP concentrations increased at these wells

[16] In Deployment Area 3A monitoring wells were also sampled for a select list of COCs (CT, chloroform, methylene chloride, and TCE) using a low-flow pump. Analytical results for the select list of COCs were only collected at EISB Deployment Area 3A in the Fourth Quarter 2018 event (Table 6) and are discussed in the *OUCTP Remedial Action Summary Report Addendum* (AEI, 2020).

[17] Treatment includes substrate injection and recirculation.

during the reporting period. DO concentrations indicate limited reducing conditions are present and have increased compared to the previous reporting period (Ahtna, 2021d). Concentrations of CT in wells in the Pilot Study Area were generally below the ACL except at EISB-EW-09 and MW-BW-66-A (Figures 8 through 11) with the maximum CT concentration during the reporting period of 1.1 µg/L at EISB-EW-09. CT concentrations downgradient of the Pilot Study Area within the City of Marina increased at MW-BW-75-A, MW-BW-80-A, and MW-BW-82-A during the reporting period (Appendix B, Figures B36, B38, and B39).

- **Deployment Area 1A**: Treatment was conducted from September to November 2009 and post-treatment monitoring was completed in 2016. Long-term monitoring in Deployment Area 1A was completed in 2018 and no wells were monitored for water quality parameters during the reporting period.
- **Deployment Area 1B**: Treatment was conducted from March to June 2010 and post-treatment monitoring was completed in 2017. Long-term monitoring in Deployment Area 1B was completed in 2018 and no wells were monitored for water quality parameters during the reporting period.
- **Deployment Area 1C**: Treatment was conducted from August to November 2010. Three wells (EW-BW-112-A, EW-BW-119-A, and EW-BW-159-A) were monitored for water quality parameters in Deployment Area 1C during the reporting period. The DO concentrations remained relatively steady during the reporting period. The ORP concentrations decreased at EW-BW-119-A and EW-BW-159-A. The DO and ORP concentrations at the monitored wells were comparable to the previous reporting period and indicate limited reducing conditions persist in this area (Ahtna, 2021d and Table 10). CT was detected at concentrations above the ACL at one location in Deployment Area 1C (EW-BW-109-A with a maximum concentration of 1.4 J+ µg/L during the reporting period), which is similar to the previous reporting period (Ahtna, 2021d).
- **Deployment Area 2A**: Treatment was conducted from February to June 2011. Three wells (EW-BW-124-A, EW-BW-135-A, and EW-BW-144-A) were monitored quarterly for water quality parameters in Deployment Area 2A during the reporting period. The DO concentrations were comparable to the previous reporting period. ORP concentrations increased at EW-BW-124-A and EW-BW-144-A during the reporting period, indicating limited reducing conditions persist in this area. CT was detected at concentrations above the ACL at three locations in EISB Deployment Area 2A during the reporting period (EW-BW-129-A, EW-BW-140-A, and MW-BW-26-A), with a maximum CT concentration of 3.7 µg/L at MW-BW-26-A. CT concentrations have been consistently above the ACL at MW-BW-26-A (Appendix B, Figure B23).
- **Deployment Area 2B**: Treatment was conducted from November 2011 to March 2012. Three wells (EW-BW-149-A, EW-BW-150-A, and EW-BW-155-A) were monitored for water quality parameters in Deployment Area 2B during the reporting period. The DO concentrations were consistent during the reporting period and comparable to the previous reporting period, indicating limited reducing conditions are persisting in this area. ORP concentrations increased at the wells during the reporting period. CT was detected at concentrations above the ACL at MW-B-14-A with a maximum concentration of 0.55 µg/L at MW-B-14-A during the reporting period.

- **Deployment Area 3A:** Treatment was conducted from December 2016 to August 2017. Four wells (EW-BW-160-A, EW-BW-161-A, EW-BW-164-A, and EW-BW-166-A) in Deployment Area 3A were monitored for water quality parameters during the reporting period. DO concentrations decreased and ORP concentrations increased during the reporting . CT was above the ACL at three locations during the reporting period (EW-BW-160-A, MW-BW-87-A, and MW-BW-91-A) with a maximum CT concentration of 3.9 J+ µg/L at MW-BW-87-A. The EISB treatment system was decommissioned in January 2019. The processing system container and wellhead equipment were stored at the Fort Ord Landfills for potential future EISB deployment. Detailed results of EISB treatment in Deployment Area 3A and recommendations are presented in the OUCTP Remedial Action Summary Report Addendum (AEI, 2020).

2.5.2 Upper 180-Foot Aquifer

2.5.2.1 Water Levels

Depth to groundwater measurements were collected from 39 OUCTP Upper 180-Foot Aquifer wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP Upper 180-Foot Aquifer are presented in Figures 14 through 17 and were consistent with previous contours. Hydrographs of representative Upper 180-Foot Aquifer wells are shown in Figure 18. Groundwater elevations decreased by 3.16 feet on average since the Second Quarter 2021 (Ahtna, 2021c) and decreased by 1.32 feet on average compared to Third Quarter 2020 (Ahtna, 2021d). The average OUCTP Upper 180-Foot Aquifer groundwater elevation for all monitoring wells follows a seasonal cycle with elevations at their peak in the first quarter (March) and at their lowest in the third quarter (September) each year.

During the reporting period, groundwater elevations and flow directions in the eastern Upper 180-Foot Aquifer were consistent with previous trends. The hydrographs presented in Figure 18 illustrate the variability in Upper 180-Foot Aquifer groundwater elevations at OUCTP from September 1999 through September 2021. Groundwater elevations in the eastern Upper 180-Foot Aquifer fluctuate seasonally in response to variations in precipitation and drainage through the natural discontinuity in the Intermediate 180-Foot Aquitard to the Lower 180-Foot Aquifer due to local pumping from active supply wells and regional pumping from the Salinas Valley (HLA, 1995 and MACTEC, 2006).

2.5.2.2 Groundwater COC Concentrations

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2020 groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 19.
- During the First Quarter 2021 groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 20.
- During the Second Quarter 2021 groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 21.

- During the Third Quarter 2021 groundwater samples were collected at eleven OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 22.

Figure 23 shows historical and current CT ACL exceedance contours in the Upper 180-Foot Aquifer. A summary of analytical data during the reporting period is presented in Appendix A with the VSR presented in Appendix B. Appendix B contains CT historical trend charts for select OUCTP monitoring wells.

The maximum CT concentration detected in the Third Quarter 2021 was 6.2 J+ µg/L at MW-OU2-46-170 (Table 11 and Figure 22). The maximum CT concentration detected during the reporting period was 8.7 J+ µg/L at MW-OU2-64-180 in the First Quarter 2021 (Table 11 and Figure 19). This was similar to the maximum CT concentration of 8.8 µg/L detected at MW-OU2-64-180 in the previous reporting period (Ahtna, 2021d). A detailed discussion of the CT plumes and trends in the OUCTP Upper 180-Foot Aquifer are presented below for hydraulic zone 6 as shown in the QAPP (Ahtna, 2021a) and Figures 19, 20, 21, 22, and summarized in Appendix B (Table B2):

OUCTP Upper 180-Foot Aquifer Hydraulic Zone 6 encompasses two distinct CT plumes, which were historically one plume (Figure 23). The CT plumes were similar in extent and concentration during the reporting period (Figures 19 through 22) and were similar to the previous reporting period (Ahtna, 2021d) with one exception. During the reporting period, southern CT plume area well MW-BW-57-180 had CT concentrations decrease below the ACL decreasing the plume size in the Third Quarter 2021 event (Figure 22). CT concentrations were above the ACL at four monitoring wells in the Upper 180-Foot Aquifer during the reporting period (Appendix B, Table B2). All wells above the CT ACL in Hydraulic Zone 6 had steady or decreasing trends (Appendix B, Table B2).

EW-OU2-09-180 is the extraction well installed in 2011 for the OUCTP Upper 180-Foot Aquifer remedy and is located between the two CT plumes. CT was ND in this well until 2014. Since then, there have been several estimated detections at concentrations below the ACL, with the historical maximum of 0.21 J µg/L detected in 2016; however, CT has been ND since 2018 (except for the Fourth Quarter 2020 event). EW-OU2-09-180 was operational 99 percent of the time during the reporting period at an average flow rate of 56 gallons per minute. Downtime included maintenance activities at the OU2 GWTP, power outages, and communications losses. Due to low COC concentrations, operational downtime did not have any discernable effect on local CT concentration trends nor the extent of the CT plume in the Upper 180-Foot Aquifer.

2.5.3 Lower 180-Foot Aquifer

2.5.3.1 Water Levels

Depth to groundwater measurements were collected from 90 OUCTP Lower 180-Foot/400-Foot Aquifers wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP Lower 180-Foot/400-Foot Aquifers are presented in Figures 25 through 28, and hydrographs of representative Lower 180-Foot Aquifer monitoring wells presented in Figure 29. Groundwater elevations decreased by 4.13 feet on average since the Second Quarter 2021 (Ahtna, 2021c) and decreased by 1.99 feet on average compared to Third

Quarter 2020 (Ahtna, 2021d). The average OUCTP Lower 180-Foot/400-Foot Aquifers groundwater elevation for all monitoring wells follows a seasonal cycle with elevations at their peak in the first quarter (March) and at their lowest in the third quarter (September), similar to the Upper 180-Foot Aquifer.

During the reporting period, groundwater elevations and flow directions in the Lower 180-Foot Aquifer were consistent with previous trends. The hydrographs presented in Figure 29 illustrate the variability in Lower 180-Foot Aquifer groundwater elevations at OUCTP from February 1997 through September 2021. Groundwater elevations in the eastern Lower 180-Foot Aquifer fluctuate seasonally in response to variations in precipitation, pumping from active local supply wells, and regional agricultural pumping in the Salinas Valley.

2.5.3.2 Groundwater COC Concentrations

The Lower 180-Foot Aquifer COCs are CT and 1,2-DCA. Though not a COC, TCE is monitored to evaluate for potential impacts to downgradient supply wells. Typically, CT and TCE concentrations vary seasonally, consistent with the seasonal variations in groundwater elevations described above.

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2020 groundwater samples were collected at 18 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 30.
- During the First Quarter 2021 groundwater samples were collected at 19 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 31.
- During the Second Quarter 2021 groundwater samples were collected at 18 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 32.
- During the Third Quarter 2021 groundwater samples were collected at 20 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 33.

Figure 34 shows historical and current CT ACL exceedance contours. The VSRs are presented in Appendix A. Appendix B contains CT historical trend charts for select OUCTP monitoring wells.

The maximum CT concentration detected in the Lower 180-Foot Aquifer for the Third Quarter 2021 was 3.0 J+ µg/L at MP-BW-49-316. The maximum CT concentration detected during the reporting period was 4.1 J+ µg/L at MP-BW-49-316 during the First Quarter 2021. This was similar to the maximum CT concentration of 3.1 µg/L detected at MP-BW-49-316 in the previous reporting period (AGL, 2021e).

During the reporting period, 1,2-DCA was ND in the OUCTP Lower 180-Foot Aquifer (Table 12) similar to the previous reporting period (Ahtna, 2021d).

TCE is not a COC for OUCTP in the Lower 180-Foot Aquifer; however, TCE concentrations are monitored to evaluate potential impacts to downgradient Fort Ord supply wells FO-29, FO-30, and FO-31, as discussed in Section 2.5.4 and shown in Figures 30 through 33. The maximum TCE concentrations for the

Lower 180-Foot Aquifer for the Third Quarter 2021 (10.0 J+ µg/L) and for the reporting period (10.9 µg/L in the Second Quarter 2021) were detected at MW-BW-59-180. TCE was detected above the MCL in three Lower 180-Foot Aquifer wells (MW-BW-59-180, MW-OU2-82-180, and MP-BW-49-400) during the reporting period.[18]

A detailed discussion of the CT plumes and trends in the OUCTP Lower 180-Foot Aquifer is presented below according to hydraulic zone, as shown in the QAPP (Ahtna, 2021a) and Figures 30 through 33 and summarized in Appendix B (Table B2):

- **Hydraulic Zone 7:** The southern CT plume monitoring area is encompassed by Hydraulic Zone 7 (Figures 30 through 33). The extent of the southern CT plume during the reporting period increased during the First and Third Quarter 2021 events and decreased during the Fourth Quarter 2020 and Second Quarter 2021 events (Figures 30 through 33). Four monitoring wells had CT concentrations above the ACL during the reporting period, with the maximum CT concentration of 4.1 J+ µg/L at MP-BW-49-316 during the First Quarter 2021 event with an increasing trend (Table B2 and Figure B64). Two other wells above the CT ACL in Hydraulic Zone 7 had increasing CT trends (MP-BW-50-339 Figure B66 and MW-OU2-69-180 Figure B71), and one well with a steady CT trend (Table B2).
- **Hydraulic Zone 8**: The northern CT plume monitoring area is encompassed by Hydraulic Zone 8 (Figures 30 through 33). The Airfield well had no detections of CT above the ACL during the reporting period (Figures 30 through 33), similar to the previous reporting period (Ahtna, 2021d). The monitoring wells in this area show a reduction in CT concentrations since 2015. The maximum CT concentration of 0.44 J µg/L at the Airfield well during the Second Quarter 2021 event with an decreasing trend (Table B2 and Figure B56).

2.5.4 Supply Wells

Fort Ord supply wells include FO-29, FO-30, and FO-31, which are owned and operated by the Marina Coast Water District and are downgradient of VOC concentrations associated with OU2 and OUCTP in the Lower 180-Foot Aquifer (Figures 30 through 33).[19]

The maximum detected TCE concentration for the reporting period was 2.6 µg/L in the sample collected from FO-29 in the Third Quarter 2021 (Table 12). TCE was first detected at FO-29 in 2000 (Appendix B, Figure B58). Detected TCE concentrations at FO-30 and FO-31 are lower, ranging from 0.38 to 0.55 J+ µg/L at FO-30 and 0.75 to 0.95 J+ µg/L at FO-31 during the reporting period (Table 12). TCE concentrations at the supply wells reached the historical maximum concentrations at FO-29 and FO-31 during the reporting period (Appendix B, Figure B58 and Figure B60); however, TCE has not been detected at the supply wells at concentrations exceeding the MCL of 5.0 µg/L.

[18] The MCL is the maximum concentration of a chemical that is allowed in public drinking water systems. Federal MCLs are established by USEPA and California MCLs are established by the State Department of Public Health. The Federal and California MCL for TCE is 5.0 µg/L.

[19] The supply wells continue to be referred to as FO-29, FO-30, and FO-31 in the GWMP, though they have been renamed by the Marina Coast Water District as 29(A), 30(B), and 31(C), respectively.

The maximum detected CT concentration for the reporting period was at 0.27 J µg/L at FO-29 in the First Quarter 2021 (Table 12). CT was ND until 2016 at FO-29 and FO-30 and until 2017 at FO-31 (Appendix B, Figures B58, B59, and B60). CT concentrations at the supply wells reached the historical maximum concentrations at FO-29 and FO-31 during the reporting period; however, the concentrations remain estimated below the limit of quantitation. CT has not been detected at the supply wells at concentrations exceeding the ACL of 0.50 µg/L.

The detections of CT in the supply wells from 2016 through the reporting period are due to the change in analytical method from USEPA Method 524.2 to USEPA Method 8260 SIM in 2016. This method was used so that detectable low-level concentrations of COCs between the detection limit and limit of quantitation would be reported (estimated results below the limit of quantitation are not reported using USEPA Method 524.2) and the results could be used for project decision-making. While a seasonal cycle in CT concentrations in the supply wells is apparent, there was no increasing CT concentration trend in the supply wells during the reporting period based on the available data.

There are no increasing CT nor TCE concentration trends in monitoring wells upgradient of the supply wells (Appendix B, Figures B68 and B72). MW-BW-04-180, which is upgradient of FO-30, had a CT concentration of 0.44 J µg/L during the reporting period and 0.45 J µg/L during the previous reporting period (Appendix B, Figure B69 and Ahtna, 2021d).

2.5.5 Data Validation and Quality Control Assessment

Eleven duplicate samples were collected during the Third Quarter 2021 GWMP at OUCTP. Trip blanks, field blanks, and equipment blanks were also collected during the GWMP event.[20,21,22] Target analytes were not detected in these samples.

Data validation for the Third Quarter 2021 GWMP event was performed per QAPP guidelines (Ahtna, 2021a) and the validation summary report is provided in Appendix A. Twenty-three GWMP results required qualification based on 100 percent Stage 2B and 10 percent Stage 4 data validation review. Fourteen results were qualified with an estimated limit of detection ("UJ" qualifier) for ND results due to blank contamination and nine estimated results were qualified with a high bias (J+) due to a surrogate recovery outside the control limits. All GWMP data are considered acceptable and suitable for use.

The laboratory assigns data qualifiers when analytical results are less than the laboratory limit of quantification or quality control measures are not met. Laboratory qualifiers include a "U" meaning the analyte was ND at or above the limit of detection and a "J" meaning the analyte was detected at or above the detection limit but below the limit of quantitation.

[20] Trip blanks are laboratory provided sample bottles filled with analyte free water that are not opened, but travel with regular field samples.

[21] Field blanks are sample bottles filled with analyte free water from an unused PDB during regular field sampling.

[22] Equipment blanks are sample bottles filled with analyte free decontamination water from cleaning the reusable sample pump used to sample the multiport Westbay monitoring wells which are designated with "MP" well location identification instead of "MW".

3.0 Interpretation of Progress Toward System Goals

As described in the OUCTP ROD (Army, 2008), the goal of the OUCTP groundwater remedy is to comply with Federal and State laws and regulations by returning groundwater to a condition that will allow beneficial use, including potential future use as a source for drinking water, industrial water, and agricultural water. These goals are accomplished through EISB and MNA in the A-Aquifer, hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater exceeding ACLs in the Upper 180-Foot Aquifer, and MNA in the Lower 180-Foot Aquifer.

3.1 Progress with Respect to Short-Term Goals

Short-term goals for all three OUCTP groundwater remedial units (i.e., the remedies for all three aquifers) are summarized below. Based on comparisons of the observed COC distribution to EISB deployment areas in the A-Aquifer, hydraulic capture areas in the Upper 180-Foot Aquifer, and water supply wells in the Lower 180-Foot Aquifer, improvements are possible and recommended:

A-Aquifer:

EISB Deployment Areas are shown on Figure 13 and A-Aquifer Hydraulic Zones are shown on Figures 8 through 11. EISB treatment resulted in a reduction of CT concentrations to below the ACL during the 2017-2018 reporting period in EISB Deployment Areas 1A and 1B in Hydraulic Zone 1 and sampling was discontinued. Elevated CT concentrations persist in northern Hydraulic Zone 1 at EISB Deployment Area 1C well EW-BW-109-A, though CT concentrations have been on a declining trend since 2014 with concentrations going below the ACL in the Third Quarter 2021 (Appendix B, Figure B5), and MW-BW-24-A, though CT concentrations declined to ND during the previous reporting period and have been ND since then (Appendix B Figure B22).

The overall CT plume extent in Hydraulic Zone 2 was reduced due to treatment at EISB Deployment Area 3A. Future EISB treatment in Deployment Area 3A is not recommended at this time. However, the CT concentrations downgradient of EISB Deployment Area 3A increased above the ACL at MW-BW-94-AR until the Second Quarter 2021 and then decreased below the ACL (Appendix B, Figure B48). Additional monitoring will begin at downgradient monitoring well MW-40-01-A after the reporting period, based on recommendations from the previous reporting period (Ahtna, 2021d).

The CT plume extent in Hydraulic Zone 3 decreased during the reporting period with CT concentrations decreasing below the ACL at MW-BW-89-A (Appendix B, Figure B43).

CT concentration trends in Hydraulic Zone 4 may indicate an overall reduction in CT mass with decreasing plume size, though this area had the maximum detected concentrations of chloroform (MW-BW-36-A) for the OUCTP A-Aquifer during the reporting period. MW-BW-26-A is located at the western extent of EISB Deployment Area 2A with CT concentrations declining since 2018 (Appendix B, Figure B23). Increasing concentrations after EISB treatment indicates an upgradient source of CT that was not completely remediated by EISB at Deployment Area 2A. During the previous reporting period, three EISB Deployment Area 2A extraction wells (EW-BW-129-A, EW-BW-140-A, and EW-BW-144-A) were added to

the quarterly monitoring schedule to better define the plume and monitor CT concentrations near MW-BW-26-A.

CT concentrations in Hydraulic Zone 5 increased during the reporting period and will continue to be monitored. During the previous reporting period, two monitoring wells (MW-BW-82-A and MW-BW-83-A) were added to the quarterly monitoring schedule to better define the downgradient CT plume extent. Additional monitoring will begin after the reporting period at downgradient monitoring well MW-BW-81-A where CT had historically been ND (Ahtna, 2021d).

Upper 180-Foot Aquifer: CT has been ND in EW-OU2-09-180 since 2018 (Appendix B, Figure B53) and CT was detected at concentrations above the ACL in cross-gradient monitoring wells MW-BW-57-180 and MW-OU2-64-180 during the reporting period. Therefore, additional groundwater extraction is recommended to improve hydraulic control and containment of the OUCTP in this aquifer due to persistent CT plumes outside of the capture area of EW-OU2-09-180 (see the OU2 Annual Report). MP-BW-46-170 defines the northern extent of the northern CT plume, and CT concentrations at this location have been above the ACL at this multiport well since it was installed in 2003, with an overall increasing CT concentration trend that reached a historical maximum of 8.9 µg/L in 2019, indicating an upgradient source of CT. During the reporting period, CT at MP-BW-46-170 was detected at 6.4 J+ µg/L. CT was either ND or below the ACL in upgradient wells in this area (MW-BW-21-180 and -43-180) during the reporting period.

Since EW-OU2-09-180 began normal operations in September 2011, CT has been ND or only detected at low concentrations below the ACL (Appendix B, Figure B50). The operational efficiency of EW-OU2-09-180 improved with a pump upgrade in 2016. Increased concentrations of CT and other VOCs may be indicative of improved efficiency with respect to the capture of CT; however, increasing concentrations of cis-1,2-DCE and PCE with no corresponding increase in CT concentrations suggest this extraction well may be capturing a different, previously unidentified VOC plume. Continued evaluation of this area is warranted to 1) ensure the Upper 180-Foot Aquifer CT plume is effectively captured, and 2) assess the presence of other VOCs, particularly cis-1,2-DCE. Cis-1,2 DCE and PCE in groundwater at the OUCTP were evaluated during the RI/FS (MACTEC, 2006) and are not identified as COCs for the Upper 180-Foot Aquifer in the OUCTP ROD (Army, 2008). Therefore, these VOCs are not included on the target analyte list for samples collected from OUCTP Upper 180-Foot Aquifer monitoring wells. EW-OU2-09-180 is connected to the OU2 GWTP and is therefore monitored for OU2 COCs, which includes cis-1,2-DCE and PCE. Cis-1,2-DCE was detected at concentrations above the California MCL (6 µg/L) at EW-OU2-09-180 in Second Quarter 2017 and Fourth Quarter 2018; all other OU2 COC concentrations were below ACLs. During the reporting period, cis-1,2 DCE and PCE were not detected at concentrations above OU2 ACLs.

Lower 180-Foot Aquifer: MNA has been effective in the short-term for OUCTP in the Lower 180-Foot Aquifer, particularly for the northern area, and groundwater monitoring will continue accordingly. The extent of the TCE increased in the Lower 180-Foot Aquifer based on data from new well MW-BW-59-180, and this area will continue to be monitored. CT is now being detected in the water supply wells due to the change in analytical method used for samples collected from FO-29, FO-30, and FO-31; however, these concentrations are estimated and below the CT ACL of 0.50 µg/L with no evidence of an increasing trend. Therefore, implementation of the wellhead treatment contingency for CT is not required (Shaw,

2010). TCE was the only other VOC detected in the supply wells, and concentrations remain below the MCL of 5.0 µg/L. Water from these wells continues to meet all State and Federal guidelines for drinking water.

3.2 Progress with Respect to Long-Term Goals

The long-term goal is the closure of all three OUCTP groundwater remedial units (i.e., the remedies for all three aquifers). This goal includes attainment monitoring to evaluate whether concentrations of COCs will remain below ACLs. It was estimated that long-term remedy goals for all three OUCTP groundwater remedial units would be achieved in 30 years from implementation of the remedy (Army, 2008).

A-Aquifer: monitoring is conducted for VOCs and natural attenuation parameters throughout the duration of EISB treatment and follow-up monitoring to assess the potential for concentrations of COCs to 'rebound' after treatment is discontinued for a duration of 20 years (Army, 2008). EISB treatment was initiated in 2009; therefore, remedy completion is estimated to be in 2029. Progress toward achieving long-term goals is currently being accomplished through:

- Continued monitoring of the effectiveness of EISB in each of the deployment areas.
- Evaluation of additional EISB in existing or new deployment areas.
- Data collection for the GWMP, which supports the implementation of QAPP decision rules for modification of the GWMP and termination of the groundwater remedies as described in Section 1.3.

There are five hydraulic zones for OUCTP in the A-Aquifer (Figures 8 through 11) and progress with respect to long-term goals varies in each zone:

- Hydraulic Zone 1: the overall CT plume extent in this zone was reduced due to treatment at EISB Deployment Areas 1A, 1B, and 1C. There were CT concentrations decreasing below the ACL observed in this zone during the reporting period at EW-BW-109-A (see Section 2.5.1.2). CT concentration trends in this well indicate long-term remedy goals may have been achieved as of Third Quarter 2021 (Appendix B, Figure B5).
- Hydraulic Zone 2: the overall CT plume extent in this zone was reduced due to treatment at EISB Deployment Area 3A. Future EISB treatment in Deployment Area 3A is not recommended at this time, though CT concentrations exceeded the ACL in six wells in Hydraulic Zone 2 during the reporting period (see Section 2.5.1.2). Variability in historical CT concentrations in this zone prevents prediction of future concentration trends; therefore, further progress with respect to long-term goals will be assessed based on the results of future data collection.
- Hydraulic Zone 3: the CT plume extent in the southern part of this zone was reduced due to treatment at EISB Deployment Area 3A. Downgradient wells in this zone exhibit differing CT concentration trends, with MW-BW-88-A decreasing (Appendix B, Figure B42), MW-BW-89-A decreasing (Appendix B Figure B43), and MW-BW-95-A decreasing (Appendix B, Figure B49). No CT concentrations were more than one order of magnitude greater than the ACL during the reporting period (Tables 6 through 9). Variability in CT concentration trends between wells in this zone requires progress with respect to long-term goals to be further assessed based on the results of future data collection.

- Hydraulic Zone 4: the maximum concentration of CT observed in this zone during the reporting period was at MW-BW-26-A, which is at the upgradient extent of this zone within EISB Deployment Area 2A (see Section 2.5.1.2). A decreasing CT concentration trend in this well since 2018 indicates long-term remedy goals could be achieved by 2022 (Appendix B, Figure B23). Downgradient wells in Hydraulic Zone 4 show decreasing CT concentration trends, with concentration near or below the ACL.
- Hydraulic Zone 5: the CT plume extent in the area of the former Fort Ord boundary was reduced due to treatment at the EISB Pilot Study area and decreasing CT concentration trends in this area indicate long-term remedy goals could be achieved by 2023 (Appendix B, Figures B3 and B34); however, downgradient wells in this zone exhibit differing CT concentration trends, with MW-BW-75-A and MW-BW-80-A increasing (Appendix B, Figures B36 and B38), MW-BW-74-A stable below the CT ACL (Appendix B, Figure B35), and MW-BW-49-A decreasing (Appendix B, Figure B30). No CT concentrations were more than one order of magnitude greater than the ACL during the reporting period (Tables 6 through 9). This variability in CT concentration trends between wells in this zone requires progress with respect to long-term goals to be further assessed based on the results of future data collection.

Upper 180-Foot Aquifer: the remedy is a containment approach that includes a pumping scenario for migration control of the groundwater CT plume with aboveground treatment and reinjection of treated water back into the aquifer. The results of groundwater modeling simulation indicated this remedy would be effective in containing and remediating the majority of the Upper 180-Foot Aquifer CT plume to below the ACL levels within a time period of approximately 30 years (Army, 2008). Groundwater extraction and treatment was initiated in 2011; therefore, remedy completion is estimated to be in 2041. Progress toward achieving long-term goals is currently being accomplished through:

- Continued operation of EW-OU2-09-180 to maintain hydraulic control and containment of the OUCTP in the Upper 180-Foot Aquifer.
- Data collection for the GWMP, which supports the implementation of QAPP decision rules for GWTS operations and termination of the groundwater remedies as described in Section 1.3.
- Expansion of the groundwater remedy to expedite progress toward achieving long-term goals.

Hydraulic Zone 6 defines the area of OUCTP in the Upper 180-Foot Aquifer. Progress with respect to long-term goals is affected by the same issues identified for progress with respect to short-term goals (Section 3.1). Therefore, progress toward achieving long-term goals should be assessed after implementation of additional groundwater extraction to improve hydraulic control and containment of the OUCTP in this aquifer.

Lower 180-Foot Aquifer: the remedy assumes CT plume(s) would naturally attenuate over a period of approximately 30 years to meet remedial action objectives with a contingency for wellhead treatment at water supply wells if CT associated with OUCTP is detected in these wells at concentrations above the ACL (Army, 2008). Additional groundwater monitoring wells were installed in 2011 to implement the MNA remedy; therefore, remedy completion is estimated to be in 2041. Progress toward achieving long-term goals is currently being accomplished through data collection for the GWMP, which supports the

implementation of QAPP decision rules for GWTS operations, modification of the GWMP, and termination of the groundwater remedies as described in Section 1.3.

Hydraulic Zone 7 encompasses the southern area of OUCTP in the Lower 180-Foot Aquifer. The CT plume in this zone has historically been defined by three wells (Figures 30 through 33). These three wells exhibit persistent CT concentrations greater than the ACL, though there is no significant trend given the strong seasonal variation in CT concentrations (Appendix B, Figures B64, B66, and B71). While natural attenuation processes may be occurring in Hydraulic Zone 7, as indicated by CT concentrations in downgradient wells remaining consistently below the ACL (Appendix B, Figures B58-B60 and B68-B69), the persistent CT concentrations in this zone suggest the OUCTP in the Upper 180-Foot Aquifer continues to be a source of CT to the Lower 180-Foot Aquifer. Therefore, progress with respect to long-term goals is adversely affected and should be assessed after implementation of additional groundwater extraction in the Upper 180-Foot Aquifer to improve hydraulic control and containment of the OUCTP.

Hydraulic Zone 8 encompasses the northern area of OUCTP in the Lower 180-Foot Aquifer. The CT plume in this zone has historically been defined by the downgradient Airfield well and the upgradient Mini-Storage well (Figures 30 through 33). A decreasing trend in CT concentrations at the Airfield well since 2015 (Appendix B, Figure B56) and CT concentrations below the ACL at the Mini-Storage well over the last several reporting periods and removal from the GWMP indicate long-term goals have been accomplished in Hydraulic Zone 8. Due to low CT concentrations, annual monitoring was completed at the Mini-Storage well during the previous reporting period as recommended during the 2018-2019 reporting period (Ahtna, 2021d).

3.3 Gaps or Inconsistencies in the Conceptual Site Model

There are potential gaps or inconsistencies in the conceptual site model related to persistent CT concentrations above the ACL in both the A-Aquifer and the Upper 180-Foot Aquifer.

One A-Aquifer groundwater monitoring well (MW-BW-95-A) was installed in September 2018 to the northwest and downgradient of Deployment Area 3A as part of ongoing remedial activities at OUCTP (Ahtna, 2021d), and CT has been detected in this well at concentrations exceeding the ACL by an order of magnitude. This well is located in the former Operable Unit 1 (OU1) area within the upgradient extent of an FO-SVA Channel Low, a preferential pathway for groundwater contaminants in the A-Aquifer (HGL, 2016). All other groundwater wells associated with OU1 have been decommissioned; therefore, additional investigation is recommended to determine how the CT detected at MW-BW-95-A is connected to the previously defined CT plume in the A-Aquifer and how far downgradient CT is present in the FO-SVA Channel Low (see Section 4.1).

In the Upper 180-Foot Aquifer south of Reservation Road and west of Imjin Parkway, the overall increasing CT concentration trend at MP-BW-46-170, which currently defines the northern extent of the northern CT plume in the Upper 180-Foot Aquifer, indicates an upgradient source of CT. As described in Section 1.2, The CT plume migrated from the A-Aquifer into the Upper 180-Foot Aquifer through two known vertical conduits in the FO-SVA, creating two distinct parallel plumes (Figure 24). These vertical conduits were decommissioned in 1999 and 2005; however, the eastern historical plume extended through the area of MP-BW-46-170. Therefore, additional monitoring of existing upgradient Upper 180-

Foot Aquifer wells (MW-BW-21-180, -26-180 and -43-180) and data analyses, including a review historical analytical data and borehole logs, were recommended during the 2018-2019 reporting period (Ahtna, 2021d) to determine whether this source of CT is further upgradient in the Upper 180-Foot Aquifer, or an unidentified vertical conduit from the A-Aquifer. During the reporting period, MW-BW-21-180 and MW-BW-43-180 were monitored quarterly and CT concentrations were below the ACL.

4.0 Suggested Monitoring Modifications

GWMP modifications are made by comparing analytical results to QAPP decision rules (Ahtna, 2021a). GWMP modifications during the reporting period are discussed in Section 2.3 and listed in Table 3. The modifications to the GWMP after the Third Quarter 2021 are presented in Table 13, Figures 35 through 37, and Appendix C. Wells recommended for termination of sampling will continue to be monitored for groundwater elevation data until they are recommended for decommissioning or no longer needed.

4.1 New Wells or Additional Remediation[23]

A-Aquifer: One A-Aquifer groundwater monitoring well (MW-BW-94-AR) was installed in January 2019 to the north and downgradient of Deployment Area 3A as part of ongoing remedial activities at OUCTP. Due to CT concentrations above the ACL at MW-BW-94-AR, one to three monitoring wells are recommended to be installed and monitored to better assess the extent of the CT plume in the vicinity and downgradient of MW-BW-94-AR.

Because CT concentrations at A-Aquifer groundwater monitoring well MW-BW-95-A exceed the ACL by an order of magnitude and all other groundwater wells associated with OU1 have been decommissioned, it is recommended two new A-Aquifer groundwater monitoring wells be installed at downgradient locations: one in the area of former monitoring well MW-OU1-88-A, and one in the area of former monitoring well MW-OU1-85-A, approximately halfway between MW-OU1-88-A and the former Fort Ord boundary (Figure 38). These proposed locations are within the FO-SVA Channel Low, a preferential pathway for groundwater contaminants in the A-Aquifer (HGL, 2016).

Due to increasing CT concentrations downgradient of the EISB Pilot Study area in the City of Marina (MW-BW-75-A, MW-BW-80-A, and MW-BW-82-A), one to three monitoring wells are recommended to be installed and monitored to better assess the extent of the CT plume downgradient of MW-BW-75-A, MW-BW-80-A, and MW-BW-82-A.

Upper 180-Foot Aquifer: No new monitoring wells are recommended in the Upper 180-Foot Aquifer. A new OUCTP Upper 180-Foot Aquifer extraction well is recommended southeast of MW-OU2-64-180 to enhance containment and control of the OUCTP in the Upper 180-Foot Aquifer in accordance with the OUCTP ROD (Army, 2008) as shown in Figure 39.[24]

Lower 180-Foot Aquifer: No new monitoring wells are recommended in the Lower 180-Foot Aquifer at this time; however, the applicability of OU2 and OUCTP decision documents with respect to TCE in the Lower 180-Foot Aquifer will be addressed in the next Five-Year Review.

[23] If recommendations for new wells or additional remediation are implemented, a work plan will be prepared describing the proposed well locations, well construction details, and procedures for well borehole logging, development, and initial sampling.

[24] The actual location of any new extraction well will be optimized based on groundwater modeling.

4.2 Well Decommissioning

One well, MW-OU2-68-180, is recommended for decommissioning at this time (Figure 37).

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[25] At the end of references included in the Fort Ord Administrative Record are the Administrative Record Numbers (AR#s) (e.g. BW-1234). To find the referenced document, this number may be typed into the Online Search tool at: http://www.fortordcleanup.com/documents/search/. Please note the referenced documents were available in the Fort Ord Administrative Record at the time this document was issued; however, some may have been superseded by more current versions and were subsequently withdrawn.

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TABLES

Table 1. COCs in Groundwater and ACLs

Chemical of Concern (COC)	OUCTP A-Aquifer ACLs (µg/L)	OUCTP Upper 180-Foot Aquifer ACLs (µg/L)	OUCTP Lower 180-Foot Aquifer ACLs (µg/L)
1,1-Dichloroethene (1,1-DCE)	6.0	-	-
1,2-Dichloroethane (1,2-DCA)	-	-	0.5
Carbon tetrachloride (CT)	0.5	0.5	0.5
Chloroform	2.0	-	-
Methylene chloride	5.0	-	-
Tetrachloroethylene (PCE)	5.0	-	-
Total 1,2-Dichloroethene (total 1,2-DCE)	6.0	-	-
Trichloroethene (TCE)*	5.0	-	-
Vinyl Chloride	0.1	-	-

Notes:

-: not a COC at the specified aquifer

*TCE is not a COC for the Lower 180-Foot Aquifer, but is monitored to evaluate for potential impacts to downgradient Fort Ord supply wells.

Acronyms and Abbreviations:

µg/L: micrograms per liter

ACL: Aquifer Cleanup Level. Groundwater COCs and ACLs are taken from the Record of Decision (Army, 2008).

OUCTP: Operable Unit Carbon Tetrachloride Plume

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
A-Aquifer					
EISB-EW-01		Q	Q	PDB	OUCTP ROD
EISB-EW-02		A	Q	PDB	OUCTP ROD
EISB-EW-09		Q	Q	PDB	OUCTP ROD
EISB-EW-12	Q		Q	PTM	OUCTP ROD
EISB-EW-15	Q		Q	PTM	OUCTP ROD
EISB-MW-01		A	Q	PDB	OUCTP ROD
EW-BW-109-A		Q	Q	PDB	OUCTP ROD
EW-BW-124-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-129-A		Q	Q	PDB	OUCTP ROD
EW-BW-132-A		A	Q	PDB	OUCTP ROD
EW-BW-135-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-140-A		Q	Q	PDB	OUCTP ROD
EW-BW-144-A	Q	Q	Q	PTM	OUCTP ROD
EW-BW-149-A	Q	A	Q	PDB/PTM	OUCTP ROD
EW-BW-155-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-159-A	Q		Q	PTM	OUCTP ROD
EW-BW-160-A	Q	Q	Q	PDB/PTM	OUCTP RAWP Addendum
EW-BW-161-A	Q		Q	PTM	OUCTP RAWP Addendum
EW-BW-164-A	Q		Q	PTM	OUCTP RAWP Addendum
EW-BW-165-A		A	Q	PDB	OUCTP RAWP Addendum
EW-BW-166-A	Q	Q	Q	PDB/PTM	OUCTP RAWP Addendum
EW-BW-167-A		A	Q	PDB	OUCTP RAWP Addendum
EW-BW-168-A		A	Q	PDB	OUCTP RAWP Addendum
EW-BW-169-A		A	Q	PDB	OUCTP RAWP Addendum
MP-BW-46-095		A	Q	Westbay Port	OUCTP ROD
MW-B-12-A		Q	Q	PDB	OUCTP ROD
MW-B-14-A		Q	Q	PDB	OUCTP ROD
MW-BW-15-A		A	Q	PDB	OUCTP ROD
MW-BW-17-A		Q	Q	PDB	OUCTP ROD
MW-BW-24-A		Q	Q	PDB	OUCTP ROD
MW-BW-26-A		Q	Q	PDB	OUCTP ROD
MW-BW-27-A		Q	Q	PDB	OUCTP ROD
MW-BW-28-A		Q	Q	PDB	OUCTP ROD
MW-BW-30-A		A	Q	PDB	OUCTP ROD
MW-BW-31-A		Q	Q	PDB	OUCTP ROD
MW-BW-32-A		Q	Q	PDB	OUCTP ROD
MW-BW-35-A		Q	Q	PDB	OUCTP ROD
MW-BW-36-A		Q	Q	PDB	OUCTP ROD
MW-BW-42-A		A	Q	PDB	OUCTP ROD

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-BW-44-A		A	Q	PDB	OUCTP ROD
MW-BW-49-A		Q	Q	PDB	OUCTP ROD
MW-BW-56-A		Q	Q	PDB	OUCTP ROD
MW-BW-58-A		Q	Q	PDB	OUCTP ROD
MW-BW-60-A		Q	Q	PDB	OUCTP ROD
MW-BW-65-A		Q	Q	PDB	OUCTP ROD
MW-BW-66-A		Q	Q	PDB	OUCTP ROD
MW-BW-74-A		Q	Q	PDB	OUCTP ROD
MW-BW-75-A		Q	Q	PDB	OUCTP ROD
MW-BW-77-A		Q	Q	PDB	OUCTP ROD
MW-BW-78-A		Q	Q	PDB	OUCTP ROD
MW-BW-79-A		Q	Q	PDB	OUCTP ROD
MW-BW-80-A		Q	Q	PDB	OUCTP ROD
MW-BW-82-A		Q	Q	PDB	OUCTP ROD
MW-BW-83-A		A	Q	PDB	OUCTP ROD
MW-BW-85-A		Q	Q	PDB	OUCTP ROD
MW-BW-86-A		A	Q	PDB	OUCTP ROD
MW-BW-87-A		Q	Q	PDB	OUCTP ROD
MW-BW-88-A		Q	Q	PDB	OUCTP ROD
MW-BW-89-A		Q	Q	PDB	OUCTP ROD
MW-BW-90-A		Q	Q	PDB	OUCTP ROD
MW-BW-91-A		Q	Q	PDB	OUCTP ROD
MW-BW-92-A		Q	Q	PDB	OUCTP ROD
MW-BW-93-A		Q	Q	PDB	2019 Well Install Report
MW-BW-94-AR		Q	Q	PDB	2019 Well Install Report
MW-BW-95-A		Q	Q	PDB	2019 Well Install Report
Upper 180-Foot Aquifer					
EW-OU2-09-180		Q	Q	Sampling Port	OUCTP ROD
MP-BW-46-170		Q	Q	Westbay Port	OUCTP ROD
MW-BW-21-180		Q	Q	PDB	OUCTP ROD
MW-BW-43-180		Q	Q	PDB	OUCTP ROD
MW-BW-52-180		Q	Q	PDB	OUCTP ROD
MW-BW-57-180		Q	Q	PDB	2019 Well Install Report
MW-BW-58-180		A	Q	PDB	2019 Well Install Report
MW-OU2-64-180		Q	Q	PDB	OU2 ESD
MW-OU2-67-180		Q	Q	PDB	OU2 ESD
MW-OU2-70-180		A	Q	PDB	OU2 ESD
Lower 180-Foot/400-Foot Aquifers					
Airfield		Q	Q	PDB	OUCTP ROD

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
EW-OU2-07-180		Q	Q	PDB	OU2 ESD
FO-29		Q		Sampling Port	OUCTP ROD
FO-30		Q		Sampling Port	OUCTP ROD
FO-31		Q		Sampling Port	OUCTP ROD
MP-BW-31-292		A	Q	Westbay Port	OUCTP ROD
MP-BW-41-318		Q	Q	Westbay Port	OUCTP ROD
MP-BW-41-353		Q	Q	Westbay Port	OUCTP ROD
MP-BW-42-345		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-287		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-316		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-368		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-400		Q	Q	Westbay Port	OUCTP ROD
MP-BW-50-339		Q	Q	Westbay Port	OUCTP ROD
MP-BW-50-384		Q	Q	Westbay Port	OUCTP ROD
MP-BW-51-405		Q	Q	Westbay Port	OUCTP ROD
MW-BW-04-180		A	Q	PDB	OUCTP ROD
MW-BW-59-180		Q	Q	PDB	2019 Well Install Report
MW-OU2-66-180		Q	Q	PDB	OU2 ESD
MW-OU2-69-180		Q	Q	PDB	OU2 ESD
MW-OU2-72-180		Q	Q	PDB	OU2 ESD
MW-OU2-78-180		Q	Q	PDB	OU2 ESD
MW-OU2-82-180		Q	Q	PDB	OU2 ESD
The Following Wells were Measured for Groundwater Elevation Data Only					
A-Aquifer					
EISB-EW-03			Q	DTW	DTW trend analysis
EISB-MW-04			Q	DTW	DTW trend analysis
EW-BW-92-A			Q	DTW	DTW trend analysis
EW-BW-93-A			Q	DTW	DTW trend analysis
EW-BW-100-A			Q	DTW	DTW trend analysis
EW-BW-104-A			Q	DTW	DTW trend analysis
EW-BW-112-A			Q	DTW	DTW trend analysis
EW-BW-119-A			Q	DTW	DTW trend analysis
EW-BW-126-A			Q	DTW	DTW trend analysis
EW-BW-150-A			Q	DTW	DTW trend analysis
MP-BW-46-080			Q	DTW	DTW trend analysis
MP-BW-48-113			Q	DTW	DTW trend analysis
MP-BW-48-133			Q	DTW	DTW trend analysis
MW-40-01-A			Q	DTW	DTW trend analysis
MW-BW-16-A			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-BW-18-A			Q	DTW	DTW trend analysis
MW-BW-25-A			Q	DTW	DTW trend analysis
MW-BW-34-A			Q	DTW	DTW trend analysis
MW-BW-38-A			Q	DTW	DTW trend analysis
MW-BW-39-A			Q	DTW	DTW trend analysis
MW-BW-41-A			Q	DTW	DTW trend analysis
MW-BW-43-A			Q	PDB	OUCTP ROD
MW-BW-45-A			Q	DTW	DTW trend analysis
MW-BW-46-A			Q	DTW	DTW trend analysis
MW-BW-48-A			Q	PDB	OUCTP ROD
MW-BW-51-A			Q	DTW	DTW trend analysis
MW-BW-53-A			Q	DTW	DTW trend analysis
MW-BW-54-A			Q	DTW	DTW trend analysis
MW-BW-57-A			Q	DTW	DTW trend analysis
MW-BW-59-A			Q	DTW	DTW trend analysis
MW-BW-63-A			Q	DTW	DTW trend analysis
MW-BW-67-A			Q	DTW	DTW trend analysis
MW-BW-71-A			Q	DTW	DTW trend analysis
MW-BW-81-A			Q	DTW	DTW trend analysis
Upper 180-Foot Aquifer					
MP-BW-30-282			Q	DTW	DTW trend analysis
MP-BW-32-287			Q	DTW	DTW trend analysis
MP-BW-33-272			Q	DTW	DTW trend analysis
MP-BW-35-242			Q	DTW	DTW trend analysis
MP-BW-37-178			Q	DTW	DTW trend analysis
MP-BW-37-193			Q	DTW	DTW trend analysis
MP-BW-41-202			Q	DTW	DTW trend analysis
MP-BW-41-231			Q	DTW	DTW trend analysis
MP-BW-41-256			Q	DTW	DTW trend analysis
MP-BW-42-195			Q	DTW	DTW trend analysis
MP-BW-42-215			Q	DTW	DTW trend analysis
MP-BW-42-235			Q	DTW	DTW trend analysis
MP-BW-46-185			Q	DTW	DTW trend analysis
MP-BW-46-200			Q	DTW	DTW trend analysis
MP-BW-46-215			Q	DTW	DTW trend analysis
MW-B-05-180			Q	DTW	DTW trend analysis
MW-BW-26-180			Q	DTW	DTW trend analysis
MW-BW-44-180			Q	DTW	DTW trend analysis
MW-BW-45-180			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-BW-47-180			Q	DTW	DTW trend analysis
MW-BW-49-180			Q	DTW	DTW trend analysis
MW-BW-50-180			Q	DTW	DTW trend analysis
MW-BW-51-180			Q	DTW	DTW trend analysis
MW-BW-53-180			Q	DTW	DTW trend analysis
MW-BW-54-180			Q	DTW	DTW trend analysis
MW-BW-55-180			Q	DTW	DTW trend analysis
MW-BW-56-180			Q	DTW	DTW trend analysis
Lower 180-Foot/400-Foot Aquifers					
MCWD-08A			Q	DTW	DTW trend analysis
MP-BW-30-317			Q	DTW	DTW trend analysis
MP-BW-30-342			Q	DTW	DTW trend analysis
MP-BW-30-397			Q	DTW	DTW trend analysis
MP-BW-30-467			Q	DTW	DTW trend analysis
MP-BW-30-537			Q	DTW	DTW trend analysis
MP-BW-31-332			Q	DTW	DTW trend analysis
MP-BW-31-362			Q	DTW	DTW trend analysis
MP-BW-31-407			Q	DTW	DTW trend analysis
MP-BW-31-457			Q	DTW	DTW trend analysis
MP-BW-31-522			Q	DTW	DTW trend analysis
MP-BW-32-332			Q	DTW	DTW trend analysis
MP-BW-32-366			Q	DTW	DTW trend analysis
MP-BW-32-412			Q	DTW	DTW trend analysis
MP-BW-32-472			Q	DTW	DTW trend analysis
MP-BW-32-522			Q	DTW	DTW trend analysis
MP-BW-33-317			Q	DTW	DTW trend analysis
MP-BW-33-352			Q	DTW	DTW trend analysis
MP-BW-33-397			Q	DTW	DTW trend analysis
MP-BW-34-292			Q	DTW	DTW trend analysis
MP-BW-34-357			Q	DTW	DTW trend analysis
MP-BW-34-422			Q	DTW	DTW trend analysis
MP-BW-34-492			Q	DTW	DTW trend analysis
MP-BW-34-537			Q	DTW	DTW trend analysis
MP-BW-35-312			Q	DTW	DTW trend analysis
MP-BW-35-366			Q	DTW	DTW trend analysis
MP-BW-35-402			Q	DTW	DTW trend analysis
MP-BW-35-467			Q	DTW	DTW trend analysis
MP-BW-35-527			Q	DTW	DTW trend analysis
MP-BW-35-562			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MP-BW-37-303			Q	DTW	DTW trend analysis
MP-BW-37-328			Q	DTW	DTW trend analysis
MP-BW-37-368			Q	DTW	DTW trend analysis
MP-BW-37-398			Q	DTW	DTW trend analysis
MP-BW-37-460			Q	DTW	DTW trend analysis
MP-BW-38-327			Q	DTW	DTW trend analysis
MP-BW-38-341			Q	DTW	DTW trend analysis
MP-BW-38-353			Q	DTW	DTW trend analysis
MP-BW-38-368			Q	DTW	DTW trend analysis
MP-BW-38-418			Q	DTW	DTW trend analysis
MP-BW-39-310			Q	DTW	DTW trend analysis
MP-BW-39-330			Q	DTW	DTW trend analysis
MP-BW-39-350			Q	DTW	DTW trend analysis
MP-BW-39-395			Q	DTW	DTW trend analysis
MP-BW-40-333			Q	DTW	DTW trend analysis
MP-BW-40-353			Q	DTW	DTW trend analysis
MP-BW-40-375			Q	DTW	DTW trend analysis
MP-BW-40-400			Q	DTW	DTW trend analysis
MP-BW-41-286			Q	DTW	DTW trend analysis
MP-BW-41-396			Q	DTW	DTW trend analysis
MP-BW-42-295			Q	DTW	DTW trend analysis
MP-BW-42-314			Q	DTW	DTW trend analysis
MP-BW-42-400			Q	DTW	DTW trend analysis
MP-BW-49-336			Q	DTW	DTW trend analysis
MP-BW-50-289			Q	DTW	DTW trend analysis
MP-BW-50-309			Q	DTW	DTW trend analysis
MP-BW-50-359			Q	DTW	DTW trend analysis
MP-BW-51-315			Q	DTW	DTW trend analysis
MP-BW-51-340			Q	DTW	DTW trend analysis
MP-BW-51-370			Q	DTW	DTW trend analysis
MP-BW-52-323			Q	DTW	DTW trend analysis
MP-BW-52-338			Q	DTW	DTW trend analysis
MP-BW-52-363			Q	DTW	DTW trend analysis
MP-BW-52-388			Q	DTW	DTW trend analysis
MP-BW-52-408			Q	DTW	DTW trend analysis
MW-BW-03-400			Q	DTW	DTW trend analysis
MW-OU2-07-400			Q	DTW	DTW trend analysis
MW-OU2-28-400			Q	DTW	DTW trend analysis
MW-OU2-68-180			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-OU2-71-180			Q	DTW	DTW trend analysis
Test 2			Q	DTW	DTW trend analysis

Notes:
*Schedule is current as of Groundwater QAPP Revision 8.

Acronyms and Abbreviations:

A: Sampled on an annual basis
DO: dissolved oxygen
DTW: depth to water
ESD: Explanation of Significant Differences
OU2: Operable Unit 2
OUCTP: Operable Unit Carbon Tetrachloride Plume
ORP: oxidation reduction potential
PDB: passive diffusion bag
PTM: post-treatment monitoring
Q: Sampled on a quarterly basis
RAWP: Remedial Action Work Plan
ROD: Record of Decision
SIM: selected ion monitoring
VOCs: volatile organic compounds

Table 3. GWMP Schedule Modifications

Well Name	Previous Status	New Status	Rationale / Notes / Corrections	Last Sampling Event	Last DTW Event
A-Aquifer					
None					
Upper 180-Foot Aquifer					
None					
Lower 180-Foot Aquifer					
MW-OU2-07-400	DTW Only	DTW Only	Unable to access 2021-1Q, 2021-2Q, and 2021-3Q due to construction.	N/A	2020-4Q
FO-31	Quarterly	Quarterly	Not operating 2021-3Q.	2021-2Q	N/A

Acronyms and Abbreviations:
DTW: depth to water

Table 4. Groundwater Well Maintenance

Well ID	Quarter Identified	Condition/Repair Comments	Sample Frequency	Maintenance Notes
Airfield	2016-3Q	Tabs need to be rethreaded.	Quarterly	
EISB-EW-12	2016-3Q	Needs to be painted and labeled.	Quarterly	
EISB-MW-01	2016-2Q	Slip cap difficult to remove.	Annual	Install eyebolt on top.
EISB-MW-04	2016-3Q	Needs to be painted and labeled.	DTW Only	
EW-BW-93-A	2021-3Q	Needs new latch installed.	DTW Only	
EW-BW-112-A	2018-1Q	Needs new well cap to prevent surface water flow into well.	Annual	
EW-BW-135-A	2018-1Q	Need to remove nearby ice plant to access well.	Quarterly	
EW-BW-159-A	2015-3Q	Eyebolt to lock broken.	Quarterly	Aluminum welding is required.
EW-OU2-07-180	2016-3Q	Water in vault.	Quarterly	
MP-BW-37	2019-2Q	Vault lid needs repair	DTW Only	
MP-BW-38	2019-3Q	Vault-no lock	DTW Only	Welding required, middle of Airfield.
MP-BW-40	2019-3Q	Vault-no lock	DTW Only	Welding required, middle of Airfield.
MP-BW-41	2019-3Q	Vault needs new lock	Quarterly	
MP-BW-49	2019-3Q	Both tabs need to be retapped	Quarterly	
MP-BW-50	2019-3Q	Both tabs need to be retapped	Quarterly	
MP-BW-51	2019-3Q	Both tabs need to be retapped	Quarterly	
MP-BW-52	2019-3Q	Both tabs need to be retapped	DTW Only	
MW-14-03-180	2021-3Q	Needs new Christy Box	DTW Only	
MW-40-01-A	2016-3Q	Needs to be painted and labeled.	DTW Only	Need to wire brush and weld casing.
MW-BW-11-A	2021-3Q	Needs new Christy Box	DTW Only	
MW-BW-16-A	2014-4Q	Broken well lid hinge. Needs to be painted and labeled.	Quarterly	Welding required.
MW-BW-17-A	2016-3Q	Needs to be painted and labeled.	Quarterly	
MW-BW-18-A	2017-3Q	Needs to be painted and labeled. Well lid is rusted with holes.	DTW Only	
MW-BW-21-180	2016-2Q	Well lid will not close due to hinge, needs replacement.	DTW Only	Welding required.
MW-BW-24-A	2016-3Q	Needs to be painted and labeled.	Quarterly	
MW-BW-25-A	2016-3Q	Needs to be painted and labeled.	DTW Only	
MW-BW-26-A	2016-3Q	Needs to be painted and labeled.	Quarterly	
MW-BW-27-A	2016-3Q	Needs to be labeled.	Quarterly	
MW-BW-30-A	2018-1Q	Replace bolts.	Annual	
MW-BW-31-A	2021-3Q	Intall new stovepipe hinge.	Quarterly	
MW-BW-36-A	2018-1Q	Needs a new vault to prevent water from flowing into box, needs a new well cap.	Quarterly	

Table 4. Groundwater Well Maintenance

Well ID	Quarter Identified	Condition/Repair Comments	Sample Frequency	Maintenance Notes
MW-BW-42-A	2021-3Q	Intall new stovepipe hinge.	Quarterly	
MW-BW-44-180	2017-3Q	Well lid hinge broken.	DTW Only	
MW-BW-44-A	2016-3Q	Needs to be painted and labeled. Well lid hinge is broken.	Annual	
MW-BW-45-180	2017-3Q	Well lid hinge is broken.	DTW Only	Welding required.
MW-BW-47-180	2017-3Q	Well lid hinge is broken.	DTW Only	Welding required.
MW-BW-49-180	2016-2Q	Needs to be labeled.	DTW Only	
MW-BW-51-A	2016-3Q	Needs to be painted. Remove overgrown vegetation around well (ice plant).	DTW Only	
MW-BW-51-180	2018-1Q	Needs new 3-inch well cap.	DTW Only	
MW-BW-54-A	2017-3Q	Well lid hinge is broken.	DTW Only	Welding was required (now fixed).
	2021-1Q	Well found open.		total depth checked and ok, hinge installed and well closed, locked, and secured.
MW-BW-55-180	2016-3Q	Needs to be painted and labeled.	DTW Only	
MW-BW-58-A	2018-1Q	Needs new hinge.	Quarterly	
MW-BW-58-180	2021-3Q	Re-tap threads, install new bolts.	Quarterly	
MW-BW-63-A	2016-3Q	Needs to be painted and labeled.	DTW Only	
MW-BW-67-A	2014-4Q	Well lid starting to rust through.	DTW Only	Welding required.
MW-BW-81-A	2016-3Q	New well cap needed.	DTW Only	
MW-BW-83-A	2016-3Q	Needs new well cap and threads for lid.	Annual	
MW-BW-86-A	2016-3Q	Needs to be labeled.	Quarterly	

Acronyms and Abbreviations:
DTW: depth to water

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
A-Aquifer					
EISB-EW-01	91.18	12/7/2020	60.29	30.89	
	91.18	3/1/2021	60.25	30.93	
	91.18	6/7/2021	60.33	30.85	
	91.18	8/30/2021	61.35	29.83	82
EISB-EW-02	93.72	12/7/2020	60.70	33.02	
	93.72	3/1/2021	61.56	32.16	
	93.72	6/7/2021	60.71	33.01	
	93.72	8/30/2021	60.70	33.02	83.2
EISB-EW-03	91.67	12/7/2020	60.37	31.30	
	91.67	3/1/2021	60.88	30.79	
	91.67	6/7/2021	61.05	30.62	
	91.67	8/30/2021	66.79	24.88	84.4
EISB-EW-09	61.10	12/7/2020	50.80	10.30	
	61.10	3/1/2021	51.32	9.78	
	61.10	6/7/2021	50.70	10.40	
	61.10	8/30/2021	50.23	10.87	81.9
EISB-EW-12	73.01	12/7/2020	63.49	9.52	
	73.01	3/1/2021	63.07	9.94	
	73.01	6/10/2021	63.38	9.63	
	73.01	8/31/2021	63.68	9.33	88.6
EISB-EW-15	64.39	12/7/2020	53.95	10.44	
	64.39	3/1/2021	53.84	10.55	
	64.39	6/7/2021	53.88	10.51	
	64.39	8/31/2021	54.10	10.29	81
EISB-MW-01	80.23	12/7/2020	65.86	14.37	
	80.23	3/1/2021	65.60	14.63	
	80.23	6/7/2021	65.84	14.39	
	80.23	9/2/2021	66.02	14.21	77.29
EISB-MW-04	63.38	12/7/2020	53.78	9.60	
	63.38	3/1/2021	53.33	10.05	
	63.38	6/7/2021	53.60	9.78	
	63.38	8/30/2021	53.89	9.49	83.5
EW-BW-92-A	189.00	12/9/2020	114.35	74.65	
	189.00	3/2/2021	113.83	75.17	
	189.00	6/8/2021	114.71	74.29	
	189.00	8/30/2021	114.25	74.75	128.78
EW-BW-93-A	170.85	12/9/2020	97.04	73.81	
	170.85	3/2/2021	96.44	74.41	
	170.85	6/8/2021	97.15	73.70	
	170.85	8/30/2021	96.61	74.24	112.89

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
EW-BW-100-A	170.10	12/9/2020	98.35	71.75	
	170.10	3/4/2021	98.42	71.68	
	170.10	6/9/2021	98.63	71.47	
	170.10	9/2/2021	98.66	71.44	117.01
EW-BW-104-A	161.18	12/9/2020	89.75	71.43	
	161.18	3/4/2021	89.83	71.35	
	161.18	6/9/2021	90.00	71.18	
	161.18	9/2/2021	89.95	71.23	110.8
EW-BW-109-A	155.09	12/10/2020	84.30	70.79	
	155.09	3/3/2021	84.29	70.80	
	155.09	6/9/2021	84.54	70.55	
	155.09	9/1/2021	84.59	70.50	108.1
EW-BW-112-A	140.69	12/10/2020	71.12	69.57	
	140.69	3/4/2021	71.37	69.32	
	140.69	6/9/2021	71.43	69.26	
	140.69	9/1/2021	70.99	69.70	99.6
EW-BW-119-A	136.54	12/9/2020	68.34	68.20	
	136.54	3/4/2021	68.45	68.09	
	136.54	6/9/2021	68.70	67.84	
	136.54	9/1/2021	68.20	68.34	108.2
EW-BW-124-A	150.90	12/10/2020	85.05	65.85	
	150.90	3/4/2021	85.19	65.71	
	150.90	6/10/2021	85.29	65.61	
	150.90	9/1/2021	85.45	65.45	107.2
EW-BW-126-A	142.43	12/10/2020	78.03	64.40	
	142.43	3/4/2021	78.19	64.24	
	142.43	6/10/2021	78.35	64.08	
	142.43	9/1/2021	77.96	64.47	101.7
EW-BW-129-A	156.11	12/10/2020	91.02	65.09	
	156.11	3/4/2021	91.07	65.04	
	156.11	6/10/2021	91.25	64.86	
	156.11	9/1/2021	91.30	64.81	104.3
EW-BW-132-A	141.94	12/7/2020	76.70	65.24	
	141.94	3/2/2021	76.72	65.22	
	141.94	6/7/2021	77.13	64.81	
	141.94	9/1/2021	77.00	64.94	102
EW-BW-135-A	142.37	12/10/2020	78.59	63.78	
	142.37	3/4/2021	78.63	63.74	
	142.37	6/10/2021	78.82	63.55	
	142.37	9/1/2021	79.81	62.56	99.2

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
EW-BW-140-A	164.38	12/10/2020	104.83	59.55	
	164.38	3/4/2021	104.91	59.47	
	164.38	6/10/2021	105.03	59.35	
	164.38	9/1/2021	105.05	59.33	131.5
EW-BW-144-A	166.81	12/10/2020	108.99	57.82	
	166.81	3/4/2021	109.05	57.76	
	166.81	6/10/2021	109.06	57.75	
	166.81	9/1/2021	109.11	57.70	130
EW-BW-149-A	162.31	12/8/2020	100.74	61.57	
	162.31	3/2/2021	100.75	61.56	
	162.31	6/8/2021	100.90	61.41	
	162.31	8/31/2021	100.96	61.35	117.7
EW-BW-150-A	157.05	12/9/2020	102.00	55.05	
	157.05	3/3/2021	102.08	54.97	
	157.05	6/7/2021	102.30	54.75	
	157.05	8/31/2021	102.36	54.69	132
EW-BW-155-A	137.98	12/8/2020	81.92	56.06	
	137.98	3/2/2021	81.98	56.00	
	137.98	6/8/2021	82.12	55.86	
	137.98	8/31/2021	82.14	55.84	102.8
EW-BW-159-A	157.09	12/9/2020	87.68	69.41	
	157.09	3/3/2021	87.71	69.38	
	157.09	6/9/2021	87.97	69.12	
	157.09	9/1/2021	99.52	57.57	109.1
EW-BW-160-A	131.75	12/8/2020	65.03	66.72	
	131.75	3/2/2021	65.02	66.73	
	131.75	6/8/2021	65.31	66.44	
	131.75	8/31/2021	65.31	66.44	86.1
EW-BW-161-A	129.67	12/8/2020	62.12	67.55	
	129.67	3/3/2021	62.09	67.58	
	129.67	6/8/2021	62.40	67.27	
	129.67	8/31/2021	62.40	67.27	86
EW-BW-164-A	134.55	12/8/2020	68.94	65.61	
	134.55	3/2/2021	68.90	65.65	
	134.55	6/8/2021	69.15	65.40	
	134.55	8/31/2021	69.11	65.44	91.4
EW-BW-165-A	133.22	12/8/2020	67.19	66.03	
	133.22	3/2/2021	67.14	66.08	
	133.22	6/8/2021	67.41	65.81	
	133.22	9/1/2021	68.48	64.74	91.2

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
EW-BW-166-A	136.30	12/8/2020	69.83	66.47	
	136.30	3/2/2021	69.87	66.43	
	136.30	6/8/2021	70.05	66.25	
	136.30	8/31/2021	69.90	66.40	91.1
EW-BW-167-A	136.08	12/8/2020	69.58	66.50	
	136.08	3/2/2021	69.45	66.63	
	136.08	6/8/2021	69.75	66.33	
	136.08	9/1/2021	69.81	66.27	92
EW-BW-168-A	143.32	12/8/2020	76.17	67.15	
	143.32	3/2/2021	76.26	67.06	
	143.32	6/8/2021	76.46	66.86	
	143.32	8/31/2021	76.40	66.92	99.4
EW-BW-169-A	147.52	12/8/2020	79.70	67.82	
	147.52	3/2/2021	79.29	68.23	
	147.52	6/8/2021	80.00	67.52	
	147.52	8/31/2021	79.80	67.72	100.1
MP-BW-46-080	151.83	12/8/2020	79.09	72.42	
	151.83	3/2/2021	79.59	72.24	
	151.83	6/8/2021	79.20	72.63	
	151.83	8/30/2021	81.76	70.07	NM
MP-BW-46-095	151.83	12/8/2020	81.97	69.86	
	151.83	3/2/2021	82.50	69.33	
	151.83	6/8/2021	82.38	69.45	
	151.83	8/30/2021	84.83	67.00	NM
MP-BW-48-113	195.24	12/9/2020	113.40	81.84	
	195.24	3/2/2021	113.84	81.40	
	195.24	6/8/2021	112.92	82.32	
	195.24	8/30/2021	113.54	81.70	NM
MP-BW-48-133	195.24	12/9/2020	120.33	74.91	
	195.24	3/2/2021	120.79	74.45	
	195.24	6/8/2021	119.94	75.30	
	195.24	8/30/2021	120.95	74.29	NM
MW-40-01-A	139.55	12/7/2020	82.55	57.00	
	139.55	3/1/2021	82.30	57.25	
	139.55	6/7/2021	82.54	57.01	
	139.55	8/29/2021	82.76	56.79	98.8
MW-B-12-A	98.92	12/7/2020	54.24	44.68	
	98.92	3/1/2021	54.31	44.61	
	98.92	6/7/2021	54.00	44.92	
	98.92	8/30/2021	55.29	43.63	77.4

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-B-14-A	144.48	12/7/2020	79.78	64.70	
	144.48	3/2/2021	79.75	64.73	
	144.48	6/7/2021	80.02	64.46	
	144.48	9/1/2021	80.01	64.47	100.6
MW-BW-15-A	148.27	12/7/2020	84.53	63.74	
	148.27	3/5/2021	84.46	63.81	
	148.27	6/7/2021	84.73	63.54	
	148.27	8/30/2021	85.71	62.56	104.7
MW-BW-16-A	135.07	12/8/2020	68.43	66.64	
	135.07	3/5/2021	68.39	66.68	
	135.07	6/8/2021	68.73	66.34	
	135.07	9/1/2021	68.61	66.46	98.3
MW-BW-17-A	144.24	12/10/2020	78.70	65.54	
	144.24	3/4/2021	78.78	65.46	
	144.24	6/10/2021	78.95	65.29	
	144.24	9/1/2021	78.95	65.29	99.2
MW-BW-18-A	127.77	12/10/2020	70.70	57.07	
	127.77	3/4/2021	70.73	57.04	
	127.77	6/10/2021	70.88	56.89	
	127.77	9/3/2021	70.96	56.81	89
MW-BW-24-A	145.99	12/9/2020	77.80	68.19	
	145.99	3/3/2021	78.82	67.17	
	145.99	6/9/2021	75.04	70.95	
	145.99	9/1/2021	76.31	69.68	95.3
MW-BW-25-A	143.58	12/9/2020	75.03	68.55	
	143.58	3/4/2021	76.17	67.41	
	143.58	6/9/2021	75.31	68.27	
	143.58	9/1/2021	75.09	68.49	99.8
MW-BW-26-A	165.51	12/10/2020	108.15	57.36	
	165.51	3/4/2021	108.37	57.14	
	165.51	6/10/2021	108.39	57.12	
	165.51	9/1/2021	109.45	56.06	131.1
MW-BW-27-A	155.79	12/8/2020	96.64	59.15	
	155.79	3/1/2021	96.67	59.12	
	155.79	6/8/2021	96.80	58.99	
	155.79	8/30/2021	96.83	58.96	110.83
MW-BW-28-A	143.16	12/8/2020	81.33	61.83	
	143.16	3/2/2021	81.34	61.82	
	143.16	6/8/2021	81.50	61.66	
	143.16	8/31/2021	81.68	61.48	103.9

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-30-A	152.12	12/10/2020	97.69	54.43	
	152.12	3/5/2021	97.00	55.12	
	152.12	6/9/2021	97.77	54.35	
	152.12	9/7/2021	97.63	54.49	106.85
MW-BW-31-A	126.07	12/7/2020	74.04	52.03	
	126.07	3/1/2021	74.07	52.00	
	126.07	6/7/2021	74.18	51.89	
	126.07	8/30/2021	74.18	51.89	96.8
MW-BW-32-A	113.48	12/8/2020	61.08	52.40	
	113.48	3/1/2021	60.57	52.91	
	113.48	6/9/2021	61.23	52.25	
	113.48	9/1/2021	61.20	52.28	84.2
MW-BW-34-A	128.60	12/9/2020	78.55	50.05	
	128.60	3/2/2021	78.52	50.08	
	128.60	6/8/2021	78.68	49.92	
	128.60	9/3/2021	78.84	49.76	97.53
MW-BW-35-A	112.29	12/7/2020	64.29	48.00	
	112.29	3/1/2021	74.15	38.14	
	112.29	6/7/2021	74.10	38.19	
	112.29	8/30/2021	64.29	48.00	91.4
MW-BW-36-A	114.66	12/7/2020	66.78	47.88	
	114.66	3/1/2021	66.77	47.89	
	114.66	6/7/2021	64.75	49.91	
	114.66	9/1/2021	64.79	49.87	87.2
MW-BW-38-A	115.68	12/9/2020	68.59	47.09	
	115.68	3/2/2021	68.42	47.26	
	115.68	6/8/2021	68.53	47.15	
	115.68	9/3/2021	68.78	46.90	85.2
MW-BW-39-A	79.86	12/7/2020	35.84	44.02	
	79.86	3/1/2021	36.71	43.15	
	79.86	6/7/2021	36.73	43.13	
	79.86	8/30/2021	35.78	44.08	57.2
MW-BW-41-A	87.12	12/9/2020	48.34	38.78	
	87.12	3/2/2021	48.15	38.97	
	87.12	6/8/2021	48.27	38.85	
	87.12	9/3/2021	48.47	38.65	67.48
MW-BW-42-A	88.52	12/7/2020	47.58	40.94	
	88.52	3/1/2021	47.35	41.17	
	88.52	6/7/2021	47.50	41.02	
	88.52	8/30/2021	47.50	41.02	58.5

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-43-A	60.70	12/7/2020	24.65	36.05	
	60.70	3/1/2021	24.56	36.14	
	60.70	6/7/2021	24.70	36.00	
	60.70	8/30/2021	24.74	35.96	39.2
MW-BW-44-A	79.30	12/7/2020	70.05	9.25	
	79.30	3/1/2021	69.72	9.58	
	79.30	6/7/2021	69.95	9.35	
	79.30	8/30/2021	70.21	9.09	84.6
MW-BW-45-A	77.40	12/9/2020	68.24	9.16	
	77.40	3/2/2021	67.92	9.48	
	77.40	6/8/2021	68.15	9.25	
	77.40	9/3/2021	68.50	8.90	87.3
MW-BW-46-A	67.72	12/9/2020	59.00	8.72	
	67.72	3/5/2021	58.58	9.14	
	67.72	6/8/2021	58.91	8.81	
	67.72	9/3/2021	59.20	8.52	83.75
MW-BW-48-A	45.93	12/9/2020	37.77	8.16	
	45.93	3/5/2021	37.27	8.66	
	45.93	6/8/2021	37.53	8.40	
	45.93	9/3/2021	38.00	7.93	61.68
MW-BW-49-A	44.49	12/8/2020	35.93	8.56	
	44.49	3/3/2021	55.37	-10.88	
	44.49	6/9/2021	35.82	8.67	
	44.49	9/2/2021	36.25	8.24	61.65
MW-BW-51-A	146.14	12/9/2020	71.57	74.57	
	146.14	3/5/2021	71.62	74.52	
	146.14	6/8/2021	71.77	74.37	
	146.14	9/2/2021	71.82	74.32	94.31
MW-BW-53-A	175.72	12/9/2020	103.67	72.05	
	175.72	3/4/2021	103.72	72.00	
	175.72	6/9/2021	103.90	71.82	
	175.72	9/2/2021	103.89	71.83	125.22
MW-BW-54-A	146.54	12/9/2020	74.62	71.92	
	146.54	3/4/2021	74.65	71.89	
	146.54	6/9/2021	74.86	71.68	
	146.54	9/1/2021	74.59	71.95	88.7
MW-BW-56-A	142.74	12/8/2020	73.95	68.79	
	142.74	3/4/2021	74.24	68.50	
	142.74	6/8/2021	74.21	68.53	
	142.74	8/30/2021	74.26	68.48	100.7

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-57-A	146.11	12/8/2020	78.18	67.93	
	146.11	3/2/2021	78.20	67.91	
	146.11	6/11/2021	78.43	67.68	
	146.11	9/1/2021	78.30	67.81	106.6
MW-BW-58-A	132.48	12/8/2020	68.09	64.39	
	132.48	3/2/2021	68.04	64.44	
	132.48	6/8/2021	68.32	64.16	
	132.48	8/31/2021	68.28	64.20	88.6
MW-BW-59-A	79.50	12/7/2020	37.46	42.04	
	79.50	3/1/2021	37.34	42.16	
	79.50	6/7/2021	37.39	42.11	
	79.50	8/30/2021	37.40	42.10	68.8
MW-BW-60-A	141.28	12/7/2020	76.67	64.61	
	141.28	3/2/2021	76.69	64.59	
	141.28	6/7/2021	76.89	64.39	
	141.28	9/1/2021	76.72	64.56	94
MW-BW-63-A	182.28	12/9/2020	109.03	73.25	
	182.28	3/5/2021	108.72	73.56	
	182.28	6/8/2021	108.89	73.39	
	182.28	9/3/2021	108.91	73.37	131.5
MW-BW-65-A	49.52	12/8/2020	40.79	8.73	
	49.52	3/3/2021	39.99	9.53	
	49.52	6/9/2021	40.84	8.68	
	49.52	9/2/2021	43.30	6.22	70.31
MW-BW-66-A	86.48	12/7/2020	53.47	33.01	
	86.48	3/1/2021	54.40	32.08	
	86.48	6/7/2021	53.54	32.94	
	86.48	8/30/2021	53.54	32.94	66.9
MW-BW-67-A	111.16	12/7/2020	78.18	32.98	
	111.16	3/1/2021	78.16	33.00	
	111.16	6/7/2021	78.22	32.94	
	111.16	8/30/2021	78.21	32.95	89.8
MW-BW-71-A	191.91	12/9/2020	117.40	74.51	
	191.91	3/2/2021	117.38	74.53	
	191.91	6/8/2021	117.51	74.40	
	191.91	8/30/2021	117.30	74.61	142.04
MW-BW-74-A	30.47	12/9/2020	22.87	7.60	
	30.47	3/3/2021	22.08	8.39	
	30.47	6/11/2021	22.58	7.89	
	30.47	9/2/2021	23.00	7.47	59.7

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-75-A	32.32	12/9/2020	23.89	8.43	
	32.32	3/3/2021	23.75	8.57	
	32.32	6/9/2021	23.66	8.66	
	32.32	9/2/2021	23.98	8.34	54.75
MW-BW-77-A	82.30	12/8/2020	70.77	11.53	
	82.30	3/3/2021	70.60	11.70	
	82.30	6/9/2021	70.82	11.48	
	82.30	9/2/2021	71.20	11.10	93.29
MW-BW-78-A	64.48	12/8/2020	54.78	9.70	
	64.48	3/3/2021	55.46	9.02	
	64.48	6/9/2021	54.70	9.78	
	64.48	9/2/2021	54.97	9.51	84.25
MW-BW-79-A	65.17	12/8/2020	55.69	9.48	
	65.17	3/3/2021	55.34	9.83	
	65.17	6/9/2021	55.84	9.33	
	65.17	9/1/2021	55.95	9.22	82.6
MW-BW-80-A	51.33	12/9/2020	42.06	9.27	
	51.33	3/3/2021	41.48	9.85	
	51.33	6/9/2021	41.86	9.47	
	51.33	9/2/2021	42.21	9.12	75.31
MW-BW-81-A	51.23	12/9/2020	43.37	7.86	
	51.23	3/4/2021	42.72	8.51	
	51.23	6/8/2021	43.06	8.17	
	51.23	9/14/2021	43.53	7.70	80.65
MW-BW-82-A	38.75	12/9/2020	31.61	7.14	
	38.75	3/4/2021	30.83	7.92	
	38.75	6/9/2021	31.30	7.45	
	38.75	9/2/2021	31.65	7.10	71.05
MW-BW-83-A	23.72	12/9/2020	16.78	6.94	
	23.72	3/3/2021	15.90	7.82	
	23.72	6/8/2021	15.93	7.79	
	23.72	9/2/2021	16.90	6.82	67.45
MW-BW-85-A	132.79	12/8/2020	65.10	67.69	
	132.79	3/4/2021	65.17	67.62	
	132.79	6/8/2021	65.36	67.43	
	132.79	9/1/2021	65.44	67.35	92.2
MW-BW-86-A	135.79	12/8/2020	71.58	64.21	
	135.79	3/2/2021	71.55	64.24	
	135.79	6/8/2021	71.82	63.97	
	135.79	8/31/2021	71.86	63.93	98.5

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-87-A	135.37	12/8/2020	70.07	65.30	
	135.37	3/2/2021	70.05	65.32	
	135.37	6/8/2021	70.30	65.07	
	135.37	8/31/2021	70.50	64.87	100.2
MW-BW-88-A	148.06	12/8/2020	83.20	64.86	
	148.06	3/2/2021	83.17	64.89	
	148.06	6/8/2021	83.40	64.66	
	148.06	9/1/2021	83.41	64.65	104.9
MW-BW-89-A	141.54	12/8/2020	82.07	59.47	
	141.54	3/2/2021	82.19	59.35	
	141.54	6/8/2021	82.18	59.36	
	141.54	8/31/2021	82.30	59.24	101.92
MW-BW-90-A	118.15	12/8/2020	54.73	63.42	
	118.15	3/2/2021	54.88	63.27	
	118.15	6/8/2021	56.03	62.12	
	118.15	8/31/2021	55.13	63.02	82.1
MW-BW-91-A	131.38	12/8/2020	63.97	67.41	
	131.38	3/2/2021	64.00	67.38	
	131.38	6/8/2021	64.30	67.08	
	131.38	8/31/2021	64.11	67.27	89.9
MW-BW-92-A	121.81	12/8/2020	69.32	52.49	
	121.81	3/1/2021	69.28	52.53	
	121.81	6/8/2021	69.50	52.31	
	121.81	9/1/2021	69.39	52.42	93.2
MW-BW-93-A	138.20	12/8/2020	77.16	61.04	
	138.20	3/2/2021	77.12	61.08	
	138.20	6/8/2021	77.31	60.89	
	138.20	8/31/2021	77.34	60.86	115.8
MW-BW-94-AR	117.54	12/8/2020	55.77	61.77	
	117.54	3/2/2021	56.75	60.79	
	117.54	6/8/2021	56.03	61.51	
	117.54	8/31/2021	56.02	61.52	93.1
MW-BW-95-A	144.83	12/8/2020	92.79	52.04	
	144.83	3/2/2021	92.61	52.22	
	144.83	6/8/2021	92.82	52.01	
	144.83	8/31/2021	92.79	52.04	121.2
Upper 180-Foot Aquifer					
EW-OU2-09-180	149.55	12/9/2020	171.38	-21.83	
	149.55	3/3/2021	168.52	-18.97	
	149.55	6/9/2021	174.32	-24.77	
	149.55	8/30/2021	173.00	-23.45	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-30-282	156.08	12/7/2020	163.30	-7.22	
	156.08	3/2/2021	161.97	-5.89	
	156.08	6/7/2021	165.54	-9.46	
	156.08	8/29/2021	171.10	-15.02	NM
MP-BW-32-287	153.04	12/8/2020	161.30	-8.26	
	153.04	3/2/2021	159.13	-6.09	
	153.04	6/8/2021	163.06	-10.02	
	153.04	8/30/2021	165.85	-12.81	NM
MP-BW-33-272	153.85	12/8/2020	162.18	-8.33	
	153.85	3/2/2021	160.71	-6.86	
	153.85	6/7/2021	163.78	-9.93	
	153.85	8/30/2021	168.48	-14.63	NM
MP-BW-35-242	138.56	12/7/2020	145.89	-7.33	
	138.56	3/1/2021	144.22	-5.66	
	138.56	6/7/2021	145.50	-6.94	
	138.56	8/29/2021	150.60	-12.04	NM
MP-BW-37-178	135.76	12/8/2020	142.41	-6.65	
	135.76	3/1/2021	140.41	-4.65	
	135.76	6/8/2021	142.30	-6.54	
	135.76	8/30/2021	146.01	-10.25	NM
MP-BW-37-193	135.76	12/8/2020	142.25	-6.49	
	135.76	3/1/2021	140.36	-4.60	
	135.76	6/8/2021	142.07	-6.31	
	135.76	8/30/2021	145.83	-10.07	NM
MP-BW-41-202	157.05	12/10/2020	168.25	-11.20	
	157.05	3/3/2021	166.42	-9.37	
	157.05	6/9/2021	168.61	-11.56	
	157.05	8/31/2021	171.36	-14.31	NM
MP-BW-41-231	157.05	12/10/2020	167.22	-10.17	
	157.05	3/3/2021	165.44	-8.39	
	157.05	6/9/2021	167.70	-10.65	
	157.05	8/31/2021	170.40	-13.35	NM
MP-BW-41-256	157.05	12/10/2020	167.09	-10.04	
	157.05	3/3/2021	165.47	-8.42	
	157.05	6/9/2021	167.59	-10.54	
	157.05	8/31/2021	170.45	-13.40	NM
MP-BW-42-195	148.69	12/9/2020	158.08	-9.40	
	148.69	3/3/2021	156.30	-7.61	
	148.69	6/9/2021	158.49	-9.80	
	148.69	8/31/2021	160.78	-12.09	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-42-215	148.69	12/9/2020	158.00	-9.32	
	148.69	3/3/2021	156.25	-7.56	
	148.69	6/9/2021	158.49	-9.80	
	148.69	8/31/2021	160.73	-12.04	NM
MP-BW-42-235	148.69	12/9/2020	158.12	-9.44	
	148.69	3/3/2021	156.55	-7.86	
	148.69	6/9/2021	159.08	-10.39	
	148.69	8/31/2021	161.44	-12.75	NM
MP-BW-46-170	151.83	12/8/2020	159.20	-7.37	
	151.83	3/2/2021	157.90	-6.07	
	151.83	6/8/2021	159.84	-8.01	
	151.83	8/30/2021	164.43	-12.60	NM
MP-BW-46-185	151.83	12/8/2020	159.20	-7.37	
	151.83	3/2/2021	157.86	-6.03	
	151.83	6/8/2021	159.75	-7.92	
	151.83	8/30/2021	164.64	-12.81	NM
MP-BW-46-200	151.83	12/8/2020	159.25	-7.42	
	151.83	3/2/2021	157.84	-6.01	
	151.83	6/8/2021	159.80	-7.97	
	151.83	8/30/2021	164.60	-12.77	NM
MP-BW-46-215	151.83	12/8/2020	159.16	-7.33	
	151.83	3/2/2021	157.85	-6.02	
	151.83	6/8/2021	159.74	-7.91	
	151.83	8/30/2021	164.52	-12.69	NM
MW-B-05-180	120.74	12/7/2020	125.45	-4.71	
	120.74	3/1/2021	123.90	-3.16	
	120.74	6/7/2021	124.12	-3.38	
	120.74	8/30/2021	127.13	-6.39	209.9
MW-BW-02-180	141.25	12/10/2020	150.88	-9.63	
	141.25	3/4/2021	149.98	-8.73	
	141.25	6/10/2021	150.55	-9.30	
	141.25	9/2/2021	152.48	-11.23	170.98
MW-BW-21-180	144.67	12/7/2020	151.40	-6.73	
	144.67	3/2/2021	149.58	-4.91	
	144.67	6/7/2021	151.74	-7.07	
	144.67	9/1/2021	153.99	-9.32	195.8
MW-BW-26-180	165.21	12/10/2020	171.22	-6.01	
	165.21	3/4/2021	169.37	-4.16	
	165.21	6/10/2021	172.20	-6.99	
	165.21	9/1/2021	173.71	-8.50	248

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-43-180	132.85	12/10/2020	139.92	-7.07	
	132.85	3/4/2021	147.89	-15.04	
	132.85	6/10/2021	140.38	-7.53	
	132.85	9/1/2021	141.35	-8.50	199.9
MW-BW-44-180	147.16	12/9/2020	154.15	-6.99	
	147.16	3/3/2021	152.33	-5.17	
	147.16	6/8/2021	151.12	-3.96	
	147.16	9/3/2021	157.48	-10.32	214.2
MW-BW-45-180	140.03	12/9/2020	147.27	-7.24	
	140.03	3/4/2021	145.83	-5.80	
	140.03	6/8/2021	151.12	-11.09	
	140.03	9/1/2021	150.25	-10.22	195.6
MW-BW-47-180	162.46	12/9/2020	170.27	-7.81	
	162.46	3/4/2021	168.78	-6.32	
	162.46	6/10/2021	171.53	-9.07	
	162.46	9/3/2021	173.68	-11.22	225.5
MW-BW-49-180	164.57	12/10/2020	172.33	-7.76	
	164.57	3/5/2021	171.88	-7.31	
	164.57	6/9/2021	172.11	-7.54	
	164.57	9/3/2021	176.89	-12.32	219.6
MW-BW-50-180	178.65	12/10/2020	187.54	-8.89	
	178.65	3/5/2021	185.84	-7.19	
	178.65	6/8/2021	188.24	-9.59	
	178.65	9/3/2021	190.80	-12.15	243.3
MW-BW-51-180	148.83	12/9/2020	157.57	-8.74	
	148.83	3/5/2021	169.68	-20.85	
	148.83	6/8/2021	158.24	-9.41	
	148.83	9/2/2021	159.91	-11.08	200.04
MW-BW-52-180	148.47	12/9/2020	156.69	-8.22	
	148.47	3/2/2021	154.69	-6.22	
	148.47	6/9/2021	157.40	-8.93	
	148.47	9/2/2021	159.75	-11.28	202.01
MW-BW-53-180	170.88	12/9/2020	178.83	-7.95	
	170.88	3/4/2021	171.25	-0.37	
	170.88	6/9/2021	179.69	-8.81	
	170.88	9/2/2021	182.02	-11.14	220.9

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-BW-54-180	127.78	12/7/2020	133.25	-5.47	
	127.78	3/1/2021	131.71	-3.93	
	127.78	6/7/2021	133.70	-5.92	
	127.78	8/30/2021	136.69	-8.91	203.1
MW-BW-55-180	144.47	12/7/2020	151.11	-6.64	
	144.47	3/2/2021	149.30	-4.83	
	144.47	6/7/2021	151.50	-7.03	
	144.47	9/1/2021	153.12	-8.65	203.9
MW-BW-56-180	178.29	12/9/2020	187.52	-9.23	
	178.29	3/5/2021	187.69	-9.40	
	178.29	6/10/2021	188.49	-10.20	
	178.29	9/3/2021	190.70	-12.41	236.9
MW-BW-57-180	152.85	12/9/2020	161.64	-8.79	
	152.85	3/2/2021	159.49	-6.64	
	152.85	6/8/2021	159.60	-6.75	
	152.85	9/2/2021	164.75	-11.90	208.63
MW-BW-58-180	133.42	12/9/2020	143.30	-9.88	
	133.42	3/4/2021	145.54	-12.12	
	133.42	6/8/2021	143.95	-10.53	
	133.42	8/31/2021	146.24	-12.82	179.64
MW-OU2-30-180	163.59	12/9/2020	172.23	-8.64	
	163.59	3/5/2021	170.81	-7.22	
	163.59	6/9/2021	173.15	-9.56	
	163.59	9/2/2021	175.60	-12.01	219.2
MW-OU2-64-180	142.28	12/9/2020	151.84	-9.56	
	142.28	3/5/2021	150.14	-7.86	
	142.28	6/9/2021	152.94	-10.66	
	142.28	8/31/2021	155.20	-12.92	201.85
MW-OU2-67-180	162.80	12/9/2020	173.11	-10.31	
	162.80	3/3/2021	170.85	-8.05	
	162.80	6/9/2021	174.40	-11.60	
	162.80	8/31/2021	176.85	-14.05	212.65
MW-OU2-70-180	196.79	12/9/2020	207.60	-10.81	
	196.79	3/3/2021	205.44	-8.65	
	196.79	6/9/2021	208.69	-11.90	
	196.79	9/2/2021	211.20	-14.41	249.9
Lower 180-Foot Aquifer					
AIRFIELD	142.00	12/7/2020	150.41	-8.41	
	142.00	3/1/2021	148.61	-6.61	
	142.00	6/7/2021	154.57	-12.57	
	142.00	8/29/2021	157.91	-15.91	300

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
EW-OU2-07-180	163.39	12/9/2020	173.51	-10.12	
	163.39	3/3/2021	171.40	-8.01	
	163.39	6/8/2021	173.15	-9.76	
	163.39	8/31/2021	176.50	-13.11	262.3
MCWD-08A	151.89	12/8/2020	159.00	-7.11	
	151.89	3/1/2021	157.50	-5.61	
	151.89	6/4/2021	159.70	-7.81	
	151.89	9/2/2021	164.10	-12.21	NM
MP-BW-30-317	156.08	12/7/2020	163.31	-7.23	
	156.08	3/2/2021	161.95	-5.87	
	156.08	6/7/2021	165.60	-9.52	
	156.08	8/29/2021	171.23	-15.15	NM
MP-BW-30-342	156.08	12/7/2020	163.31	-7.23	
	156.08	3/2/2021	161.83	-5.75	
	156.08	6/7/2021	165.66	-9.58	
	156.08	8/29/2021	171.20	-15.12	NM
MP-BW-30-397	156.08	12/7/2020	162.67	-6.59	
	156.08	3/2/2021	161.27	-5.19	
	156.08	6/7/2021	165.00	-8.92	
	156.08	8/29/2021	170.66	-14.58	NM
MP-BW-30-467	156.08	12/7/2020	161.76	-5.68	
	156.08	3/2/2021	160.33	-4.25	
	156.08	6/7/2021	164.16	-8.08	
	156.08	8/29/2021	169.84	-13.76	NM
MP-BW-30-537	156.08	12/7/2020	162.02	-5.94	
	156.08	3/2/2021	160.43	-4.35	
	156.08	6/7/2021	164.65	-8.57	
	156.08	8/29/2021	170.42	-14.34	NM
MP-BW-31-292	137.11	12/8/2020	145.06	-7.95	
	137.11	3/1/2021	143.15	-6.04	
	137.11	6/8/2021	147.72	-10.61	
	137.11	8/30/2021	151.31	-14.20	NM
MP-BW-31-332	137.11	12/8/2020	144.96	-7.85	
	137.11	3/1/2021	142.68	-5.57	
	137.11	6/8/2021	147.15	-10.04	
	137.11	8/30/2021	150.61	-13.50	NM
MP-BW-31-362	137.11	12/8/2020	144.58	-7.47	
	137.11	3/1/2021	142.50	-5.39	
	137.11	6/8/2021	146.84	-9.73	
	137.11	8/30/2021	150.34	-13.23	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-31-407	137.11	12/8/2020	143.96	-6.85	
	137.11	3/1/2021	141.84	-4.73	
	137.11	6/8/2021	146.11	-9.00	
	137.11	8/30/2021	149.68	-12.57	NM
MP-BW-31-457	137.11	12/8/2020	143.56	-6.45	
	137.11	3/1/2021	141.35	-4.24	
	137.11	6/8/2021	145.64	-8.53	
	137.11	8/30/2021	149.35	-12.24	NM
MP-BW-31-522	137.11	12/8/2020	143.82	-6.71	
	137.11	3/1/2021	141.67	-4.56	
	137.11	6/8/2021	146.26	-9.15	
	137.11	8/30/2021	150.46	-13.35	NM
MP-BW-32-332	153.04	12/8/2020	161.11	-8.07	
	153.04	3/2/2021	158.97	-5.93	
	153.04	6/8/2021	163.07	-10.03	
	153.04	8/30/2021	165.91	-12.87	NM
MP-BW-32-366	153.04	12/8/2020	160.91	-7.87	
	153.04	3/2/2021	158.79	-5.75	
	153.04	6/8/2021	162.94	-9.90	
	153.04	8/30/2021	165.69	-12.65	NM
MP-BW-32-412	153.04	12/8/2020	160.48	-7.44	
	153.04	3/2/2021	158.36	-5.32	
	153.04	6/8/2021	162.58	-9.54	
	153.04	8/30/2021	165.40	-12.36	NM
MP-BW-32-472	153.04	12/8/2020	160.12	-7.08	
	153.04	3/2/2021	157.88	-4.84	
	153.04	6/8/2021	162.19	-9.15	
	153.04	8/30/2021	165.12	-12.08	NM
MP-BW-32-522	153.04	12/8/2020	160.26	-7.22	
	153.04	3/2/2021	158.05	-5.01	
	153.04	6/8/2021	162.64	-9.60	
	153.04	8/30/2021	165.89	-12.85	NM
MP-BW-33-317	153.85	12/8/2020	162.24	-8.39	
	153.85	3/2/2021	160.72	-6.87	
	153.85	6/7/2021	163.95	-10.10	
	153.85	8/30/2021	168.65	-14.80	NM
MP-BW-33-352	153.85	12/8/2020	162.16	-8.31	
	153.85	3/2/2021	162.81	-8.96	
	153.85	6/7/2021	163.89	-10.04	
	153.85	8/30/2021	168.57	-14.72	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-33-397	153.85	12/8/2020	161.76	-7.91	
	153.85	3/2/2021	160.17	-6.32	
	153.85	6/7/2021	163.52	-9.67	
	153.85	8/30/2021	168.34	-14.49	NM
MP-BW-34-292	127.61	12/8/2020	136.91	-9.30	
	127.61	3/1/2021	134.64	-7.03	
	127.61	6/7/2021	140.78	-13.17	
	127.61	8/30/2021	145.67	-18.06	NM
MP-BW-34-357	127.61	12/8/2020	136.54	-8.93	
	127.61	3/1/2021	134.30	-6.69	
	127.61	6/7/2021	139.37	-11.76	
	127.61	8/30/2021	144.15	-16.54	NM
MP-BW-34-422	127.61	12/8/2020	136.04	-8.43	
	127.61	3/1/2021	133.92	-6.31	
	127.61	6/7/2021	138.93	-11.32	
	127.61	8/30/2021	143.70	-16.09	NM
MP-BW-34-492	127.61	12/8/2020	135.73	-8.12	
	127.61	3/1/2021	133.45	-5.84	
	127.61	6/7/2021	138.82	-11.21	
	127.61	8/30/2021	143.62	-16.01	NM
MP-BW-34-537	127.61	12/8/2020	136.99	-9.38	
	127.61	3/1/2021	134.75	-7.14	
	127.61	6/7/2021	141.95	-14.34	
	127.61	8/30/2021	147.04	-19.43	NM
MP-BW-35-312	138.56	12/7/2020	147.39	-8.83	
	138.56	3/1/2021	145.48	-6.92	
	138.56	6/7/2021	151.99	-13.43	
	138.56	8/29/2021	158.44	-19.88	NM
MP-BW-35-366	138.56	12/7/2020	147.14	-8.58	
	138.56	3/1/2021	145.32	-6.76	
	138.56	6/7/2021	151.53	-12.97	
	138.56	8/29/2021	157.94	-19.38	NM
MP-BW-35-402	138.56	12/7/2020	146.95	-8.39	
	138.56	3/1/2021	145.15	-6.59	
	138.56	6/7/2021	151.35	-12.79	
	138.56	8/29/2021	157.81	-19.25	NM
MP-BW-35-467	138.56	12/7/2020	146.49	-7.93	
	138.56	3/1/2021	144.60	-6.04	
	138.56	6/7/2021	150.87	-12.31	
	138.56	8/29/2021	157.38	-18.82	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-35-527	138.56	12/7/2020	146.24	-7.68	
	138.56	3/1/2021	144.44	-5.88	
	138.56	6/7/2021	150.55	-11.99	
	138.56	8/29/2021	157.01	-18.45	NM
MP-BW-35-562	138.56	12/7/2020	147.17	-8.61	
	138.56	3/1/2021	145.14	-6.58	
	138.56	6/7/2021	152.99	-14.43	
	138.56	8/29/2021	159.79	-21.23	NM
MP-BW-37-303	135.76	12/8/2020	143.71	-7.95	
	135.76	3/1/2021	141.65	-5.89	
	135.76	6/8/2021	145.83	-10.07	
	135.76	8/30/2021	150.14	-14.38	NM
MP-BW-37-328	135.76	12/8/2020	143.77	-8.01	
	135.76	3/1/2021	141.74	-5.98	
	135.76	6/8/2021	145.87	-10.11	
	135.76	8/30/2021	150.16	-14.40	NM
MP-BW-37-368	135.76	12/8/2020	143.19	-7.43	
	135.76	3/1/2021	141.16	-5.40	
	135.76	6/8/2021	145.22	-9.46	
	135.76	8/30/2021	149.63	-13.87	NM
MP-BW-37-398	135.76	12/8/2020	142.78	-7.02	
	135.76	3/1/2021	140.79	-5.03	
	135.76	6/8/2021	144.85	-9.09	
	135.76	8/30/2021	149.21	-13.45	NM
MP-BW-37-460	135.76	12/8/2020	143.36	-7.60	
	135.76	3/1/2021	141.35	-5.59	
	135.76	6/8/2021	145.32	-9.56	
	135.76	8/30/2021	149.82	-14.06	NM
MP-BW-38-327	126.17	12/7/2020	134.59	-8.42	
	126.17	3/1/2021	133.09	-6.92	
	126.17	6/7/2021	139.85	-13.68	
	126.17	8/29/2021	143.63	-17.46	NM
MP-BW-38-341	126.17	12/7/2020	132.62	-6.45	
	126.17	3/1/2021	130.91	-4.74	
	126.17	6/7/2021	137.81	-11.64	
	126.17	8/29/2021	141.85	-15.68	NM
MP-BW-38-353	126.17	12/7/2020	132.41	-6.24	
	126.17	3/1/2021	130.78	-4.61	
	126.17	6/7/2021	137.67	-11.50	
	126.17	8/29/2021	141.66	-15.49	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-38-368	126.17	12/7/2020	134.46	-8.29	
	126.17	3/1/2021	132.93	-6.76	
	126.17	6/7/2021	139.78	-13.61	
	126.17	8/29/2021	143.73	-17.56	NM
MP-BW-38-418	126.17	12/7/2020	133.95	-7.78	
	126.17	3/1/2021	132.35	-6.18	
	126.17	6/7/2021	139.18	-13.01	
	126.17	8/29/2021	143.22	-17.05	NM
MP-BW-39-310	140.42	12/7/2020	148.58	-8.16	
	140.42	3/1/2021	146.92	-6.50	
	140.42	6/7/2021	152.51	-12.09	
	140.42	8/29/2021	158.67	-18.25	NM
MP-BW-39-330	140.42	12/7/2020	148.50	-8.08	
	140.42	3/1/2021	146.64	-6.22	
	140.42	6/7/2021	152.08	-11.66	
	140.42	8/29/2021	158.45	-18.03	NM
MP-BW-39-350	140.42	12/7/2020	148.32	-7.90	
	140.42	3/1/2021	146.31	-5.89	
	140.42	6/7/2021	152.33	-11.91	
	140.42	8/29/2021	158.35	-17.93	NM
MP-BW-39-395	140.42	12/7/2020	147.19	-6.77	
	140.42	3/1/2021	145.39	-4.97	
	140.42	6/7/2021	151.12	-10.70	
	140.42	8/29/2021	157.23	-16.81	NM
MP-BW-40-333	126.42	12/7/2020	137.65	-11.23	
	126.42	3/1/2021	135.99	-9.57	
	126.42	6/7/2021	142.86	-16.44	
	126.42	8/29/2021	149.16	-22.74	NM
MP-BW-40-353	126.42	12/7/2020	137.73	-11.31	
	126.42	3/1/2021	135.98	-9.56	
	126.42	6/7/2021	142.85	-16.43	
	126.42	8/29/2021	149.13	-22.71	NM
MP-BW-40-375	126.42	12/7/2020	137.31	-10.89	
	126.42	3/1/2021	135.60	-9.18	
	126.42	6/7/2021	142.47	-16.05	
	126.42	8/29/2021	148.82	-22.40	NM
MP-BW-40-400	126.42	12/7/2020	137.23	-10.81	
	126.42	3/1/2021	135.41	-8.99	
	126.42	6/7/2021	142.33	-15.91	
	126.42	8/29/2021	148.70	-22.28	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-41-286	157.05	12/10/2020	167.07	-10.02	
	157.05	3/3/2021	165.38	-8.33	
	157.05	6/9/2021	167.62	-10.57	
	157.05	8/31/2021	170.34	-13.29	NM
MP-BW-41-318	157.05	12/10/2020	166.90	-9.85	
	157.05	3/3/2021	165.42	-8.37	
	157.05	6/9/2021	167.71	-10.66	
	157.05	8/31/2021	170.45	-13.40	NM
MP-BW-41-353	157.05	12/10/2020	167.21	-10.16	
	157.05	3/3/2021	165.45	-8.40	
	157.05	6/9/2021	167.65	-10.60	
	157.05	8/31/2021	170.39	-13.34	NM
MP-BW-41-396	157.05	12/10/2020	167.11	-10.06	
	157.05	3/3/2021	165.40	-8.35	
	157.05	6/9/2021	167.54	-10.49	
	157.05	8/31/2021	170.34	-13.29	NM
MP-BW-42-295	148.69	12/9/2020	158.11	-9.43	
	148.69	3/3/2021	156.61	-7.92	
	148.69	6/9/2021	159.17	-10.48	
	148.69	8/31/2021	161.43	-12.74	NM
MP-BW-42-314	148.69	12/9/2020	158.11	-9.43	
	148.69	3/3/2021	156.61	-7.92	
	148.69	6/9/2021	159.22	-10.53	
	148.69	8/31/2021	161.55	-12.86	NM
MP-BW-42-345	148.69	12/9/2020	158.04	-9.36	
	148.69	3/3/2021	156.47	-7.78	
	148.69	6/9/2021	159.12	-10.43	
	148.69	8/31/2021	161.43	-12.74	NM
MP-BW-42-400	148.69	12/9/2020	157.88	-9.20	
	148.69	3/3/2021	156.38	-7.69	
	148.69	6/9/2021	159.15	-10.46	
	148.69	8/31/2021	161.45	-12.76	NM
MP-BW-49-287	164.60	12/10/2020	174.66	-10.06	
	164.60	3/3/2021	172.67	-8.07	
	164.60	6/9/2021	175.79	-11.19	
	164.60	8/31/2021	179.30	-14.70	NM
MP-BW-49-316	164.60	12/10/2020	174.80	-10.20	
	164.60	3/3/2021	172.59	-7.99	
	164.60	6/9/2021	175.95	-11.35	
	164.60	8/31/2021	179.41	-14.81	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-49-336	164.60	12/10/2020	174.75	-10.15	
	164.60	3/3/2021	172.63	-8.03	
	164.60	6/9/2021	175.84	-11.24	
	164.60	8/31/2021	179.44	-14.84	NM
MP-BW-49-368	164.60	12/10/2020	174.83	-10.23	
	164.60	3/3/2021	172.66	-8.06	
	164.60	6/9/2021	175.89	-11.29	
	164.60	8/31/2021	179.58	-14.98	NM
MP-BW-49-400	164.60	12/10/2020	174.83	-10.23	
	164.60	3/3/2021	172.66	-8.06	
	164.60	6/9/2021	175.96	-11.36	
	164.60	8/31/2021	179.61	-15.01	NM
MP-BW-50-289	133.57	12/9/2020	144.09	-10.52	
	133.57	3/2/2021	142.70	-9.13	
	133.57	6/8/2021	145.98	-12.41	
	133.57	8/31/2021	148.79	-15.22	NM
MP-BW-50-309	133.57	12/9/2020	144.20	-10.63	
	133.57	3/2/2021	142.84	-9.27	
	133.57	6/8/2021	146.05	-12.48	
	133.57	8/31/2021	148.84	-15.27	NM
MP-BW-50-339	133.57	12/9/2020	144.14	-10.57	
	133.57	3/2/2021	142.85	-9.28	
	133.57	6/8/2021	146.13	-12.56	
	133.57	8/31/2021	148.94	-15.37	NM
MP-BW-50-359	133.57	12/9/2020	144.10	-10.53	
	133.57	3/2/2021	142.88	-9.31	
	133.57	6/8/2021	146.10	-12.53	
	133.57	8/31/2021	149.01	-15.44	NM
MP-BW-50-384	133.57	12/9/2020	144.23	-10.66	
	133.57	3/2/2021	142.85	-9.28	
	133.57	6/8/2021	146.12	-12.55	
	133.57	8/31/2021	149.07	-15.50	NM
MP-BW-51-315	155.82	12/10/2020	166.90	-11.08	
	155.82	3/3/2021	164.32	-8.50	
	155.82	6/9/2021	170.20	-14.38	
	155.82	8/31/2021	174.33	-18.51	NM
MP-BW-51-340	155.82	12/10/2020	166.85	-11.03	
	155.82	3/3/2021	164.34	-8.52	
	155.82	6/9/2021	170.22	-14.40	
	155.82	8/31/2021	174.26	-18.44	NM

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MP-BW-51-370	155.82	12/10/2020	166.75	-10.93	
	155.82	3/3/2021	164.30	-8.48	
	155.82	6/9/2021	170.16	-14.34	
	155.82	8/31/2021	174.34	-18.52	NM
MP-BW-51-405	155.82	12/10/2020	166.89	-11.07	
	155.82	3/3/2021	164.28	-8.46	
	155.82	6/9/2021	170.14	-14.32	
	155.82	8/31/2021	174.30	-18.48	NM
MP-BW-52-323	135.76	12/7/2020	144.98	-9.22	
	135.76	3/1/2021	143.07	-7.31	
	135.76	6/7/2021	149.99	-14.23	
	135.76	8/29/2021	156.10	-20.34	NM
MP-BW-52-338	135.76	12/7/2020	145.06	-9.30	
	135.76	3/1/2021	143.01	-7.25	
	135.76	6/7/2021	149.97	-14.21	
	135.76	8/29/2021	155.90	-20.14	NM
MP-BW-52-363	135.76	12/7/2020	144.78	-9.02	
	135.76	3/1/2021	142.91	-7.15	
	135.76	6/7/2021	149.71	-13.95	
	135.76	8/29/2021	155.78	-20.02	NM
MP-BW-52-388	135.76	12/7/2020	144.63	-8.87	
	135.76	3/1/2021	142.76	-7.00	
	135.76	6/7/2021	149.61	-13.85	
	135.76	8/29/2021	155.66	-19.90	NM
MP-BW-52-408	135.76	12/7/2020	144.59	-8.83	
	135.76	3/1/2021	142.65	-6.89	
	135.76	6/7/2021	149.41	-13.65	
	135.76	8/29/2021	155.54	-19.78	NM
MW-BW-03-400	141.32	12/10/2020	152.01	-10.69	
	141.32	3/4/2021	150.90	-9.58	
	141.32	6/10/2021	157.14	-15.82	
	141.32	9/2/2021	158.05	-16.73	300
MW-BW-04-180	140.97	12/10/2020	150.88	-9.91	
	140.97	3/4/2021	150.65	-9.68	
	140.97	6/10/2021	156.98	-16.01	
	140.97	9/2/2021	157.78	-16.81	300
MW-BW-59-180	198.85	12/9/2020	208.48	-9.63	
	198.85	3/4/2021	206.90	-8.05	
	198.85	6/8/2021	208.71	-9.86	
	198.85	8/31/2021	211.20	-12.35	300

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
MW-OU2-07-400	174.98	11/16/2020	181.43	-6.45	
	174.98	3/4/2021	NM	NM	
	174.98	6/10/2021	NM	NM	
	174.98	8/31/2021	NM	NM	NM
MW-OU2-28-400	198.33	12/9/2020	207.86	-9.53	
	198.33	3/4/2021	206.20	-7.87	
	198.33	6/8/2021	206.68	-8.35	
	198.33	8/31/2021	210.55	-12.22	300
MW-OU2-66-180	144.27	12/9/2020	153.97	-9.70	
	144.27	3/5/2021	152.33	-8.06	
	144.27	6/9/2021	155.35	-11.08	
	144.27	8/31/2021	157.69	-13.42	300
MW-OU2-68-180	162.33	12/9/2020	172.62	-10.29	
	162.33	3/3/2021	170.42	-8.09	
	162.33	6/9/2021	174.19	-11.86	
	162.33	8/31/2021	176.53	-14.20	278.42
MW-OU2-69-180	156.36	12/9/2020	166.62	-10.26	
	156.36	3/3/2021	164.51	-8.15	
	156.36	6/9/2021	168.50	-12.14	
	156.36	8/31/2021	170.91	-14.55	300
MW-OU2-71-180	197.44	12/9/2020	208.31	-10.87	
	197.44	3/3/2021	206.17	-8.73	
	197.44	6/9/2021	210.50	-13.06	
	197.44	9/2/2021	213.00	-15.56	300
MW-OU2-72-180	197.48	12/10/2020	208.50	-11.02	
	197.48	3/3/2021	206.20	-8.72	
	197.48	6/9/2021	210.98	-13.50	
	197.48	9/2/2021	213.32	-15.84	300
MW-OU2-78-180	167.04	12/9/2020	176.07	-9.03	
	167.04	3/3/2021	174.00	-6.96	
	167.04	6/8/2021	176.62	-9.58	
	167.04	8/31/2021	179.05	-12.01	300
MW-OU2-82-180	184.26	12/10/2020	194.52	-10.26	
	184.26	3/4/2021	192.80	-8.54	
	184.26	6/8/2021	195.12	-10.86	
	184.26	9/1/2021	197.86	-13.60	300

Table 5. Groundwater Elevations, Fourth Quarter 2020 through Third Quarter 2021

Station Name	Top of Casing Elevation (feet)[1]	Date Measured	Depth to Water (feet)[2]	Water Level Elevation (feet)[1]	Total Depth (feet)[2]
TEST2	252.00	12/10/2020	263.32	-11.32	
	252.00	3/1/2021	261.30	-9.30	
	252.00	6/9/2021	267.14	-15.14	
	252.00	9/2/2021	268.83	-16.83	300

Notes:

Gray cell indicate no measurement taken (total depth only collected in Third Quarter events)

NM = Not Measured

[1] Elevations are given in feet relative to mean sea level (MSL).

[2] Depth to water and total depth is measured from top of well casing. Wells with pumps, multi-port wells, or wells greater than 300 feet deep unable to measure total depth.

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2020

					Total 1,2-DCE*															
	Depth	Analyte:	1,1-DCE		cis-1,2-DCE		trans-1,2-DCE		CT		Chloroform		MC		PCE		TCE		VC	
		Units:	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
Station	(ft btoc)	Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	74	12/7/2020	<0.070	U	<0.15	U	<0.070	U	0.26		0.48		<3.5	U	<0.25	U	<0.15	U	<0.015	U
EISB-EW-09	68	12/7/2020	<0.070	U	<0.15	U	<0.070	U	**1.1**		0.52		<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-109-A	97	12/10/2020	<0.070	UJ	<0.15	UJ	<0.070	UJ	**0.58**	J	0.27	J	<3.5	UJ	<0.25	UJ	0.34	J	<0.015	UJ
EW-BW-124-A	104	12/10/2020	<0.070	U	<0.15	U	<0.070	U	0.41		0.41		<3.5	U	0.11	J	0.93		<0.015	U
EW-BW-129-A	102	12/10/2020	<0.070	U	<0.15	U	<0.070	U	**4.1**		0.69		<3.5	U	0.10	J	1.6		<0.015	UJ
EW-BW-135-A	96	12/10/2020	<0.070	UJ	0.13	J	<0.070	UJ	<0.070	UJ	<0.070	UJ	<3.5	UJ	<0.25	UJ	1.0	J-	<0.015	UJ
EW-BW-140-A	116	12/10/2020	<0.070	U	<0.15	U	<0.070	U	0.48		0.18	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-144-A	121	12/10/2020	<0.070	U	<0.15	U	<0.070	U	<0.070	U	0.14	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-144-A^	126	12/10/2020	<0.070	U	<0.15	U	<0.070	U	<0.070	U	0.068	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-144-A^	131	12/10/2020	<0.070	U	<0.15	U	<0.070	U	<0.070	U	0.076	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-155-A	91	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.95**		0.17	J	<3.5	U	<0.25	U	0.81		<0.015	U
EW-BW-160-A	81	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**1.8**		0.26		<3.5	U	<0.25	U	<0.15	U	<0.015	U
EW-BW-166-A	86	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.029	J	0.096	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-B-12-A	66	12/7/2020	<0.070	U	<0.15	U	<0.070	U	0.46		0.079	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-B-14-A	94	12/7/2020	<0.070	U	<0.15	U	<0.070	U	**0.55**		0.18	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-17-A	91	12/10/2020	<0.070	U	<0.15	U	<0.070	U	0.060	J	0.21		<3.5	U	0.08	J	0.46		<0.015	U
MW-BW-24-A	93	12/9/2020	<0.070	U	<0.15	U	<0.070	U	<0.070	U	<0.070	U	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-26-A	120	12/10/2020	<0.070	U	<0.15	U	<0.070	U	**3.7**		0.74		<3.5	U	<0.25	U	0.97		<0.015	UJ
MW-BW-27-A	110	12/8/2020	<0.070	U	0.15	J	<0.070	U	<0.070	U	<0.070	U	<3.5	U	<0.25	U	0.35		<0.015	U
MW-BW-28-A	102	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.48		0.059	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-31-A	94	12/7/2020	<0.070	U	<0.15	U	<0.070	U	**0.80**		0.64		<3.5	U	<0.25	U	0.23		<0.015	U
MW-BW-32-A	77	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.90**		0.33		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-35-A	87	12/7/2020	<0.070	U	<0.15	U	<0.070	U	0.095	J	**9.3**		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-36-A	83	12/7/2020	<0.070	U	<0.15	U	<0.070	U	**0.65**		**9.6**		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-49-A	59	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.42		0.14	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-56-A	92	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.21		0.21		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-58-A	86	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.33		0.090	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-60-A	87	12/7/2020	<0.070	U	<0.15	U	<0.070	U	0.28		0.14	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2020

					Total 1,2-DCE*															
	Depth	Analyte: Units:	1,1-DCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
MW-BW-65-A	69	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.25		0.19	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-66-A	65	12/7/2020	<0.070	U	<0.15	U	<0.070	U	0.50		0.21		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-74-A	36	12/9/2020	<0.070	U	<0.15	U	<0.070	U	0.063	J	0.035	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-74-A^	51	12/9/2020	<0.070	U	<0.15	U	<0.070	U	0.091	J	0.040	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-75-A	45	12/9/2020	<0.070	U	<0.15	U	<0.070	U	**2.4**		0.24		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-77-A	77	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.24		0.081	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-77-A^	82	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.26		0.099	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-78-A	59	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.11	J	0.080	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-78-A^	79	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.22		0.13	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-79-A	75	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.42		0.17	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-80-A	49	12/9/2020	<0.070	U	<0.15	U	<0.070	U	**2.4**		0.27		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-82-A	57	12/9/2020	<0.070	U	<0.15	U	<0.070	U	**1.1**		0.21		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-85-A	83	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.94**		0.20		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-87-A	92	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**2.1**		0.42		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-88-A	100	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.74**		0.24		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-89-A	97	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.67**		0.40		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-90-A	68	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**1.3**		0.18	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-91-A	80	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.57**		0.26		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-92-A	78	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**0.95**		0.16	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-93-A	96	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.28		0.71		<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-94-AR	88	12/8/2020	<0.070	U	<0.15	U	<0.070	U	0.48		0.086	J	<3.5	U	<0.25	U	<0.15	U	<0.015	U
MW-BW-95-A	117	12/8/2020	<0.070	U	<0.15	U	<0.070	U	**1.1**		0.13	J	<3.5	U	<0.25	U	0.25		<0.015	U
Maximum Concentration (µg/L):			<0.070	U	0.15	J	<0.070	U	**4.1**		**9.6**		<3.5	U	0.11	J	1.6		<0.015	U
Number of Sampling Locations:			45		45		45		45		45		45		45		45		45	
Number of Locations above ACL:			0		0		0		21		2		0		0		0		0	
% of Locations with Detections:			0%		4%		0%		89%		93%		0%		7%		22%		0%	

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2020

Notes:
--: sample collected from pump spigot
Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1
Results in gray are not detected (result reported as <limit of detection [LOD])
Gray cells indicate the compound was not analyzed for in the sample collected from that well (applies to wells in OUCTP EISB Deployment Area 3A)
^ Passive diffusion bag (PDB) sample collected at different depth

¥ Sample collected as part of long-term performance monitoring for OUCTP EISB Deployment Area 3A, which has a different analyte list (Athna, 2016); these data will be reported under separate cover

Analyte Names:
1,1-DCE: 1,1-dichloroethene
1,2-DCE (total): total 1,2-dichloroethene
CT: carbon tetrachloride
MC: methylene chloride
PCE: tetrachloroethene
TCE: trichloroethene
VC: vinyl chloride

Acronyms and Abbreviations:
µg/L: micrograms per liter
ft btoc: feet below top of casing
Qual: qualifier

Data Validation Qualifiers:
J: Laboratory or validation qualifier, estimated result with a possible low (J-) or
high bias (J+).
U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.50, <0.25 or <0.050).

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	80	3/1/2021	<0.25	U	<0.25	U	0.28	J	0.49	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EISB-EW-09	74	3/1/2021	<0.25	U	<0.25	U	**1.1**		0.50		<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-109-A	102	3/3/2021	<0.25	U	<0.25	U	**1.4**	**J+**	0.52	J+	<0.50	U	<0.25	UJ	0.66	J+	<0.050	U
EW-BW-124-A	94	3/4/2021	<0.25	U	<0.25	U	**0.94**	**J+**	0.55	J+	<0.50	U	0.14	J	1.2	J+	<0.050	U
EW-BW-129-A	102	3/4/2021	<0.25	U	<0.25	U	**4.0**	**J**	0.74	J+	<0.50	U	0.15	J	1.4	J+	<0.050	U
EW-BW-135-A	96	3/4/2021	<0.25	U	0.25	J	<0.25	U	<0.25	U	<0.50	U	<0.25	U	1.3	J+	<0.050	U
EW-BW-140-A	121	3/4/2021	<0.25	U	<0.25	U	**0.97**	**J+**	0.27	J	<0.50	U	<0.25	U	0.25	J	<0.050	U
EW-BW-144-A	126	3/4/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-155-A	91	3/2/2021	<0.25	U	<0.25	U	0.11	J	<0.25	U	<2	U	<0.25	U	0.81		<0.050	U
EW-BW-160-A	81	3/2/2021	<0.25	U	<0.25	U	**2.1**		0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-166-A	71	3/2/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-B-12-A	66	3/1/2021	<0.25	U	<0.25	U	0.32	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-B-14-A	84	3/2/2021	<0.25	U	<0.25	U	**0.52**		0.19	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-17-A	96	3/4/2021	<0.25	U	<0.25	U	<0.25	U	0.16	J	<2	UJ	<0.25	U	0.68	J+	<0.050	U
MW-BW-24-A	93	3/3/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-26-A	125	3/4/2021	<0.25	U	<0.25	U	**3.3**	**J+**	0.87	J+	<0.50	U	<0.25	U	0.77	J+	<0.050	U
MW-BW-27-A	110	3/1/2021	<0.25	U	0.21	J	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.50	J+	<0.050	U
MW-BW-28-A	102	3/2/2021	<0.25	U	<0.25	U	**0.58**		<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-31-A	94	3/1/2021	<0.25	U	<0.25	U	**0.84**		0.46	J	<0.50	U	<0.25	U	0.40	J	<0.050	U
MW-BW-32-A	77	3/1/2021	<0.25	U	<0.25	U	**1.2**		0.39	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-35-A	82	3/1/2021	<0.25	U	<0.25	U	<0.25	U	**3.9**		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-36-A	83	3/1/2021	<0.25	U	<0.25	U	0.46	J	**4.7**		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-49-A	54	3/3/2021	<0.25	U	<0.25	U	0.47	J	0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-56-A	92	3/4/2021	<0.25	U	<0.25	U	0.25	J	0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-58-A	86	3/2/2021	<0.25	U	<0.25	U	0.26	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-60-A	92	3/2/2021	<0.25	U	<0.25	U	0.32	J	0.16	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-65-A	54	3/3/2021	<0.25	U	<0.25	U	0.43	J	0.38	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-66-A	65	3/1/2021	<0.25	U	<0.25	U	**0.53**		0.27	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A	36	3/3/2021	<0.25	U	<0.25	U	0.18	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A^	56	3/3/2021	<0.25	U	<0.25	U	0.23	J	<0.25	U	<0.50	U	<0.25	UJ	<0.25	U	<0.050	U
MW-BW-75-A	45	3/3/2021	<0.25	U	<0.25	U	**2.9**	**J+**	0.30	J	<0.50	U	<0.25	UJ	<0.25	U	<0.050	U
MW-BW-77-A	77	3/3/2021	<0.25	U	<0.25	U	0.31	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-77-A^	87	3/3/2021	<0.25	U	<0.25	U	0.29	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A	59	3/3/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A^	79	3/3/2021	<0.25	U	<0.25	UJ	0.16	J	0.13	J	<0.50	U	<0.25	U	<0.25	UJ	<0.050	U
MW-BW-79-A	75	3/3/2021	<0.25	U	<0.25	U	0.47	J	0.13	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-80-A	49	3/3/2021	<0.25	U	<0.25	U	**2.9**	**J+**	0.35	J	<2	UJ	<0.25	UJ	<0.25	U	<0.050	U
MW-BW-82-A	52	3/4/2021	<0.25	U	<0.25	U	**1.4**		0.23	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-85-A	88	3/4/2021	<0.25	U	<0.25	U	**1.2**	**J+**	0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-87-A	92	3/2/2021	<0.25	U	<0.25	U	**3.9**	**J+**	0.60	J+	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-88-A	95	3/2/2021	<0.25	U	<0.25	U	**0.63**		0.22	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-89-A	97	3/2/2021	<0.25	U	<0.25	U	**0.73**		0.40	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-90-A	73	3/2/2021	<0.25	U	<0.25	U	**1.4**		0.17	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-91-A	85	3/2/2021	<0.25	U	<0.25	U	**1.3**		0.37	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-92-A	83	3/1/2021	<0.25	U	<0.25	U	**1.2**		0.17	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-93-A	96	3/2/2021	<0.25	U	<0.25	U	0.34	J	0.72		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-94-AR	78	3/2/2021	<0.25	U	<0.25	U	**0.56**		0.10	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-95-A	117	3/2/2021	<0.25	U	<0.25	U	**1.4**		0.15	J	<0.50	U	<0.25	U	0.44	J	<0.050	U
Maximum Concentration (µg/L):			<0.25	U	0.25	J	**4.0**	**J**	**4.7**		<0.50	U	0.15	J	1.4	J+	<0.050	U
Number of Sampling Locations:			45		45		45		45		45		45		45		45	
Number of Locations above ACL:			0		0		24		2		0		0		0		0	
% of Locations with Detections:			0%		4%		84%		76%		0%		4%		24%		0%	

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2021

Analyte Names:
1,1-DCE: 1,1-dichloroethene
1,2-DCE (total): total 1,2-dichloroethene
CT: carbon tetrachloride
MC: methylene chloride
PCE: tetrachloroethene
TCE: trichloroethene
VC: vinyl chloride

Data Validation Qualifiers:
J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).
U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.50, <0.25 or <0.050).

Acronyms and Abbreviations:
µg/L: micrograms per liter
ft btoc: feet below top of casing
Qual: qualifier

Table 8. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	68	6/7/2021	<0.25	U	<0.25	U	0.25	J	0.40	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EISB-EW-01^	74	6/7/2021	<0.25	U	<0.25	U	0.27	J	0.47	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EISB-EW-09	74	6/7/2021	<0.25	U	<0.25	U	**0.97**		0.46	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-109-A	107	6/9/2021	<0.25	U	<0.25	U	**0.80**		0.31	J	<0.50	U	<0.25	U	0.52		<0.050	U
EW-BW-124-A	99	6/10/202	<0.25	UJ	<0.25	UJ	**0.84**	**J-**	0.50	J-	<0.50	UJ	<0.25	UJ	1.1	J-	<0.050	UJ
EW-BW-129-A	102	6/10/202	<0.25	UJ	<0.25	UJ	**2.4**	**J-**	0.61	J-	<0.50	UJ	<0.25	UJ	1.3	J-	<0.050	UJ
EW-BW-135-A	96	6/10/202	<0.25	UJ	0.28	J	<0.25	UJ	<0.25	UJ	<0.50	UJ	<0.25	UJ	1.1	J-	<0.050	UJ
EW-BW-140-A	126	6/10/202	<0.25	UJ	<0.25	UJ	**0.69**	**J-**	0.20	J	<0.50	UJ	<0.25	UJ	0.24	J	<0.050	UJ
EW-BW-144-A	126	6/10/202	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.50	UJ	<0.25	UJ	<0.25	UJ	<0.050	UJ
EW-BW-155-A	91	6/8/2021	<0.25	U	<0.25	U	0.26	J	<0.25	U	<0.50	U	<0.25	U	0.86		<0.050	U
EW-BW-160-A	81	6/8/2021	<0.25	U	<0.25	U	**1.3**		0.18	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-166-A	76	6/8/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-B-12-A	66	6/7/2021	<0.25	U	<0.25	U	0.44	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-B-14-A	89	6/7/2021	<0.25	U	<0.25	U	0.48	J	0.20	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-17-A	96	6/10/202	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.50	UJ	0.11	J	0.66	J-	<0.050	UJ
MW-BW-24-A	93	6/9/2021	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.25	UJ	<0.50	UJ	<0.25	UJ	<0.25	UJ	<0.050	UJ
MW-BW-26-A	130	6/10/202	<0.25	UJ	<0.25	UJ	**2.9**	**J-**	0.71	J-	<0.50	UJ	<0.25	UJ	0.83	J-	<0.050	UJ
MW-BW-27-A	110	6/8/2021	<0.25	U	0.20	J	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.45	J	<0.050	U
MW-BW-28-A	102	6/8/2021	<0.25	U	<0.25	U	**0.60**		<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-31-A	89	6/7/2021	<0.25	U	<0.25	U	<0.25	U	1.9		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-32-A	77	6/9/2021	<0.25	UJ	<0.25	UJ	**0.98**	**J-**	0.28	J	<0.50	UJ	<0.25	UJ	<0.25	UJ	<0.050	UJ
MW-BW-35-A	82	6/7/2021	<0.25	U	<0.25	U	<0.25	U	**4.2**		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-36-A	83	6/7/2021	<0.25	U	<0.25	U	0.17	J	1.8		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-49-A	59	6/9/2021	<0.25	U	<0.25	U	0.26	J	0.12	J	<0.5	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-56-A	92	6/8/2021	<0.25	U	<0.25	U	0.12	J	0.16	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-58-A	86	6/8/2021	<0.25	U	<0.25	U	0.15	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-60-A	87	6/7/2021	<0.25	U	<0.25	U	0.30	J	0.15	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-65-A	59	6/9/2021	<0.25	U	<0.25	U	0.32	J	0.34	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-66-A	65	6/7/2021	<0.25	U	<0.25	U	0.46	J	0.31	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A	36	6/9/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A^	51	6/9/2021	<0.25	U	<0.25	U	0.12	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-75-A	45	6/9/2021	<0.25	U	<0.25	U	**2.1**		0.20	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U

Table 8. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	1,1-DCE (µg/L) Value	Qual	Total 1,2-DCE (µg/L) Value	Qual	CT (µg/L) Value	Qual	Chloroform (µg/L) Value	Qual	MC (µg/L) Value	Qual	PCE (µg/L) Value	Qual	TCE (µg/L) Value	Qual	VC (µg/L) Value	Qual
MW-BW-75-A^	50	6/9/2021	<0.25	U	<0.25	U	**2.1**		0.20	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-77-A	77	6/9/2021	<0.25	U	<0.25	U	0.30	J	0.11	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-77-A^	82	6/9/2021	<0.25	U	<0.25	U	0.30	J	0.15	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A	59	6/9/2021	<0.25	U	<0.25	U	<0.25	U	0.12	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A^	79	6/9/2021	<0.25	U	<0.25	U	0.17	J	0.23	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-79-A	80	6/9/2021	<0.25	U	<0.25	U	**0.54**	**J+**	0.20	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-80-A	49	6/9/2021	<0.25	U	<0.25	U	**3.7**		0.36	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-82-A	57	6/9/2021	<0.25	U	<0.25	U	**0.98**		0.19	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-85-A	83	6/8/2021	<0.25	U	<0.25	U	**0.69**		0.18	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-87-A	92	6/8/2021	<0.25	U	<0.25	U	**3.2**		0.61		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-88-A	100	6/8/2021	<0.25	U	<0.25	U	**0.92**		0.35	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-89-A	97	6/8/2021	<0.25	U	<0.25	U	0.47	J	0.34	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-90-A	73	6/8/2021	<0.25	U	<0.25	U	**1.1**		0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-91-A	85	6/8/2021	<0.25	U	<0.25	U	**0.87**		0.31	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-92-A	88	6/8/2021	<0.25	U	<0.25	U	**0.78**		0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-93-A	96	6/8/2021	<0.25	U	<0.25	U	0.24	J	0.59		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-93-A^	111	6/8/2021	<0.25	U	<0.25	U	0.16	J	0.37	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-94-AR	83	6/8/2021	<0.25	U	<0.25	U	0.28	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-95-A	117	6/8/2021	<0.25	U	<0.25	U	**0.84**		0.11	J	<0.50	U	<0.25	U	0.35	J	<0.050	U
Maximum Concentration (µg/L):			<0.25	U	0.28	J	**3.7**		**4.2**		<0.50	U	0.11	J	1.3	J-	<0.050	U
Number of Sampling Locations:			45		45		45		45		45		45		45		45	
Number of Locations above ACL:			0		0		20		1		0		0		0		0	
% of Locations with Detections:			0%		4%		82%		73%		0%		2%		22%		0%	

Analyte Names:
1,1-DCE: 1,1-dichloroethene
1,2-DCE (total): total 1,2-dichloroethene
CT: carbon tetrachloride
MC: methylene chloride
PCE: tetrachloroethene
TCE: trichloroethene
VC: vinyl chloride

Data Validation Qualifiers:
J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).
U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.50, <0.25 or <0.050).

Acronyms and Abbreviations:
µg/L: micrograms per liter
ft btoc: feet below top of casing
Qual: qualifier

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	80	8/30/2021	<0.25	U	<0.25	U	0.22	J	0.51		<2	UJ	<0.25	U	<0.25	U	<0.050	U
EISB-EW-02	80	8/30/2021	<0.25	U	<0.25	U	<0.25	U	0.22	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EISB-EW-09	74	8/30/2021	<0.25	U	<0.25	U	**1.1**		0.54		<2	UJ	<0.25	U	<0.25	U	<0.050	U
EISB-MW-01	74	9/2/2021	<0.25	U	<0.25	U	0.36	J	0.13	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-109-A	97	9/1/2021	<0.25	U	<0.25	U	0.32	J	0.21	J	<0.50	U	<0.25	U	0.20	J	<0.050	U
EW-BW-124-A	104	9/1/2021	<0.25	U	<0.25	U	0.43	J	0.31	J	<0.50	U	<0.25	U	1.0		<0.050	U
EW-BW-129-A	102	9/1/2021	<0.25	U	<0.25	U	**2.0**		0.5		<0.50	U	0.11	J	1.1		<0.050	U
EW-BW-132-A	91	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-135-A	96	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.96		<0.050	U
EW-BW-140-A	111	9/1/2021	<0.25	U	<0.25	U	**0.52**		0.19	J	<0.50	U	<0.25	U	0.21	J	<0.050	U
EW-BW-144-A	125.5	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-149-A	102	8/31/2021	<0.25	U	<0.25	U	<0.25	U	0.13	J	<0.50	U	<0.25	U	0.27	J	<0.050	U
EW-BW-155-A	91	8/31/2021	<0.25	U	<0.25	U	0.17	J	<0.25	U	<0.50	U	<0.25	U	0.93		<0.050	U
EW-BW-160-A	81	8/31/2021	<0.25	U	<0.25	U	**1.3**		0.23	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-165-A	77	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-166-A	76	8/31/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-167-A	77	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-168-A	85	8/31/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
EW-BW-169-A	87	8/31/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MP-BW-46-095	--	8/30/2021	<0.25	U	<0.25	U	0.15	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-B-12-A	66	8/30/2021	<0.25	U	<0.25	U	0.23	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-B-14-A	94	9/1/2021	<0.25	U	<0.25	U	0.34	J	0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-15-A	102	8/30/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.58		<0.050	U
MW-BW-17-A	96	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.59		<0.050	U
MW-BW-24-A	93	9/1/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-26-A	115	9/1/2021	<0.25	U	<0.25	U	**2.5**		0.64		<0.50	U	<0.25	U	0.76		<0.050	U
MW-BW-27-A	110	8/30/2021	<0.25	U	0.23	J	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.56		<0.050	U
MW-BW-28-A	102	8/31/2021	<0.25	U	<0.25	U	0.43	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-30-A	104	9/2/2021	<0.25	U	<0.25	U	<0.25	U	1.0		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-31-A	94	8/30/2021	<0.25	U	<0.25	U	**0.88**		0.36	J	<2	UJ	<0.25	U	0.70		<0.050	U
MW-BW-32-A	77	9/1/2021	<0.25	U	<0.25	U	**1.2**		0.36	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-35-A	82	8/30/2021	<0.25	U	<0.25	U	<0.25	U	1.5		<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-36-A	83	9/1/2021	<0.25	U	<0.25	U	<0.25	U	**2.1**		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-42-A	51	8/30/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-44-A	78	8/30/2021	<0.25	U	<0.25	U	<0.25	U	0.33	J	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-49-A	54	9/2/2021	<0.25	U	<0.25	U	0.32	J	0.11	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-56-A	92	8/30/2021	<0.25	U	<0.25	U	0.14	J	0.18	J	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-58-A	86	8/31/2021	<0.25	U	<0.25	U	0.16	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-60-A	92	9/1/2021	<0.25	U	<0.25	U	0.22	J	0.12	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-65-A	64	9/2/2021	<0.25	U	<0.25	U	**0.56**		0.24	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-66-A	65	8/30/2021	<0.25	U	<0.25	U	0.37	J	0.41	J	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A	36	9/2/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-74-A^	56	9/2/2021	<0.25	U	<0.25	U	0.14	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-75-A	45	9/2/2021	<0.25	U	<0.25	U	**2.3**		0.24	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-77-A	77	9/2/2021	<0.25	U	<0.25	U	0.34	J	0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-77-A^	87	9/2/2021	<0.25	U	<0.25	U	0.33	J	0.16	J	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A	59	9/2/2021	<0.25	U	<0.25	U	0.16	J	0.18	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-78-A^	79	9/2/2021	<0.25	U	<0.25	U	0.20	J	0.18	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-79-A	75	9/2/2021	<0.25	U	<0.25	U	**0.64**		0.25	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-80-A	49	9/2/2021	<0.25	U	<0.25	U	**5.4**		0.42	J	<2	UJ	<0.25	U	<0.25	U	<0.050	U
MW-BW-82-A	47	9/2/2021	<0.25	U	<0.25	U	**1.1**		0.22	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-83-A	25	9/2/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-83-A^	40	9/2/2021	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-85-A	88	9/1/2021	<0.25	U	<0.25	U	**0.89**		0.22	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-86-A	94	8/31/2021	<0.25	U	<0.25	U	0.16	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-87-A	92	8/31/2021	<0.25	U	<0.25	U	**2.4**		0.48	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-88-A	95	9/1/2021	<0.25	U	<0.25	U	**0.55**		0.23	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-89-A	97	9/23/2021	<0.25	U	<0.25	U	0.48	J	0.31	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-90-A	73	8/31/2021	<0.25	U	<0.25	U	**1.3**		0.16	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-91-A	85	8/31/2021	<0.25	U	<0.25	U	**0.89**		0.41	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-92-A	78	9/1/2021	<0.25	U	<0.25	U	**1.0**		0.16	J	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-93-A	96	8/31/2021	<0.25	U	<0.25	U	0.36	J	0.72		<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-94-AR	88	8/31/2021	<0.25	U	<0.25	U	0.43	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.050	U
MW-BW-95-A	117	8/31/2021	<0.25	U	<0.25	U	**1.1**		0.15	J	<0.50	U	<0.25	U	0.43	J	<0.050	U
Maximum Concentration (µg/L):			<0.25	U	0.23	J	**5.4**		**2.1**		<0.50	U	0.11	J	1.1		<0.050	U
Number of Sampling Locations:			60		60		60		60		60		60		60		60	
Number of Locations above ACL:			0		0		19		1		0		0		0		0	
Percent of Locations with Detections:			0%		2%		67%		63%		0%		2%		22%		0%	

Notes:
--: sample collected from pump spigot
Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1
Results in gray are not detected (result reported as <limit of detection [LOD])
^ Passive diffusion bag (PDB) sample collected at different depth

Analyte Names:
1,1-DCE: 1,1-dichloroethene
1,2-DCE (total): total 1,2-dichloroethene
CT: carbon tetrachloride
MC: methylene chloride
PCE: tetrachloroethene
TCE: trichloroethene
VC: vinyl chloride

Data Validation Qualifiers:
J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).
U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.50, <0.25 or <0.050).
UJ: Validation qualifier, The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Acronyms and Abbreviations:
µg/L: micrograms per liter
ft btoc: feet below top of casing
Qual: qualifier

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Date	DO mg/L	ORP mV	pH Value	Spec Cond µS/cm	Temperature °C	Turbidity NTU
Pilot Study Area (Treatment in 2008)								
EISB-EW-12	72.0	12/7/2020	0.99	45	6.9	444	17.2	115
EISB-EW-12	72.0	3/1/2021	0.89	70	7.0	435	17.2	101
EISB-EW-12	72.0	6/10/2021	0.10	53	7.6	441	17.4	119
EISB-EW-12	72.0	8/31/2021	0.85	57	6.9	414	17.2	76
EISB-EW-15	66.5	12/7/2020	2.1	9.3	7.4	444	17.1	30
EISB-EW-15	66.5	3/1/2021	1.8	120	7.5	431	17.1	7.9
EISB-EW-15	66.5	6/7/2021	1.9	160	7.1	443	17.1	45
EISB-EW-15	66.5	8/31/2021	2.4	152	7.7	429	17.1	12
Deployment Area 1C (Treatment in 2010)								
EW-BW-112-A	86.0	12/9/2020	1.1	72	7.1	713	16.8	18
EW-BW-112-A	86.0	3/1/2021	2.0	79	6.8	622	16.9	70
EW-BW-119-A	68.1	12/9/2020	1.9	121	7.0	820	17.1	1.3
EW-BW-119-A	95.0	3/4/2021	1.4	88	6.7	670	17.5	-3.5
EW-BW-159-A	96.0	12/9/2020	1.5	100	7.6	126	17.0	4.1
EW-BW-159-A	96.0	3/3/2021	1.5	85	7.7	115	17.0	-3.8
EW-BW-159-A	96.0	6/9/2021	0.22	-156	8.3	221	17.1	-3.6
EW-BW-159-A	96.0	9/1/2021	0.79	-160	8.2	246	17.2	2.1

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Date	DO mg/L	ORP mV	pH Value	Spec Cond µS/cm	Temperature °C	Turbidity NTU
Deployment Area 2A (Treatment in 2011)								
EW-BW-124-A	93.5	12/10/2020	1.0	86	6.2	1004	16.6	4.3
EW-BW-124-A	93.5	3/4/2021	2.0	97	6.6	816	16.9	-3.7
EW-BW-124-A	93.5	6/10/2021	0.03	134	7.0	931	17.0	-5.8
EW-BW-124-A	93.5	9/1/2021	0.81	122	7.0	940	17.1	-3.5
EW-BW-135-A	78.5	12/10/2020	0.84	-80	6.6	730	16.9	39.3
EW-BW-135-A	85.5	3/4/2021	2.0	-53	7.0	608	17.1	-2.6
EW-BW-135-A	85.5	6/10/2021	0.08	-95	7.3	798	17.2	-4.9
EW-BW-135-A	85.5	9/1/2021	0.49	-88	7.2	820	17.2	1.1
EW-BW-144-A	125.0	12/10/2020	2.7	70	6.9	472	17.1	30
EW-BW-144-A	125.0	3/4/2021	3.0	43	6.9	412	17.1	29
EW-BW-144-A	125.0	6/10/2021	0.20	47	7.8	472	17.2	102
EW-BW-144-A	125.0	9/1/2021	1.1	56	7.7	465	17.2	90
Deployment Area 2B (Treatment in 2011-2012)								
EW-BW-149-A	110.0	12/8/2020	1.9	48	7.1	481	16.8	26
EW-BW-149-A	110.0	3/2/2021	1.3	76	6.9	471	16.8	17
EW-BW-149-A	110.0	6/8/2021	1.1	61	7.5	485	16.8	34
EW-BW-149-A	110.0	8/31/2021	0.88	111	6.9	473	16.8	21
EW-BW-150-A	102.1	12/9/2020	2.1	70	6.8	590	17.5	47
EW-BW-150-A	114.0	3/3/2021	2.7	140	6.8	496	17.3	44
EW-BW-155-A	91.0	12/8/2020	2.2	46	7.0	602	16.9	9.0
EW-BW-155-A	88.0	3/2/2021	1.4	47	6.9	595	16.9	19
EW-BW-155-A	88.0	6/8/2021	0.58	10	7.2	605	16.6	2.3
EW-BW-155-A	88.0	8/31/2021	2.4	59	7.0	579	16.8	2.9

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Date	DO mg/L	ORP mV	pH Value	Spec Cond µS/cm	Temperature °C	Turbidity NTU
Deployment Area 3A (Treatment in 2016-2017)								
EW-BW-160-A	71.0	12/8/2020	7.7	201	7.7	232	17.1	7.6
EW-BW-160-A	71.0	3/2/2021	7.4	105	7.4	211	16.8	-1.1
EW-BW-160-A	71.0	6/8/2021	2.7	148	7.6	224	17.0	-4.2
EW-BW-160-A	71.0	8/31/2021	4.0	145	7.5	215	17.1	-5.0
EW-BW-161-A	61.9	12/8/2020	1.9	105	7.0	481	17.5	4.1
EW-BW-161-A	69.0	3/3/2021	1.2	109	7.0	406	17.3	-4.4
EW-BW-161-A	69.0	6/8/2021	0.72	141	7.3	473	17.4	-5.6
EW-BW-161-A	69.0	8/31/2021	1.3	145	7.0	447	17.4	-5.3
EW-BW-164-A	69.8	12/8/2020	6.9	114	6.8	499	16.9	2.3
EW-BW-164-A	74.0	3/2/2021	1.0	82	6.7	612	16.9	60
EW-BW-164-A	74.0	6/8/2021	2.5	174	6.7	519	16.9	9.1
EW-BW-164-A	74.0	8/31/2021	3.8	139	6.6	470	17.2	-3.7
EW-BW-166-A	81.0	12/8/2020	7.9	119	7.4	398	16.6	13
EW-BW-166-A	76.0	3/2/2021	6.7	65	6.9	435	16.7	6.5
EW-BW-166-A	76.0	6/8/2021	3.7	148	7.3	3.9	16.8	1.4
EW-BW-166-A	76.0	8/31/2021	4.0	161	7.4	308	17.0	-3.1

Notes:

--: sample collected from pump spigot (OUCTP EISB Deployment Area 3A monitoring wells were monitored with a low flow pump and water quality meter in the Fourth Quarter 2018).

Acronyms and Abbreviations:

µS/cm: microsiemens per centimeter
°C: degrees celsius
DO: dissolved oxygen
mg/L: milligrams per liter
mV: millivolts
NM: not measured
NTU: nephelometric turbidity units
ORP: oxidation/reduction potential
Spec Cond: specific conductivity
ft btoc: feet below top of casing

Table 11. Summary of Groundwater Monitoring Analytical Results, Upper 180-Foot Aquifer, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	CT (µg/L) Value	Qual
EW-OU2-09-180	--	12/9/2020	0.025	J
EW-OU2-09-180	--	3/3/2021	<0.25	U
EW-OU2-09-180	--	6/9/2021	<0.25	U
EW-OU2-09-180	--	8/30/2021	<0.25	U
MW-BW-02-180	168	9/2/2021	<0.25	U
MP-BW-46-170	--	12/8/2020	**5.2**	
MP-BW-46-170	--	3/2/2021	**6.4**	**J+**
MP-BW-46-170	--	6/8/2021	**5.2**	
MP-BW-46-170	--	8/30/2021	**6.2**	**J+**
MW-BW-21-180	183	12/7/2020	0.044	J
MW-BW-21-180	188	3/2/2021	0.16	J
MW-BW-21-180	191	6/7/2021	0.22	J
MW-BW-21-180	178	9/1/2021	<0.25	U
MW-BW-43-180	185	12/10/2020	<0.070	U
MW-BW-43-180	190	3/4/2021	<0.25	U
MW-BW-43-180	195	6/10/2021	<0.25	U
MW-BW-43-180	198	9/1/2021	<0.25	U
MW-BW-52-180	168	12/9/2020	**0.70**	
MW-BW-52-180	168	3/3/2021	**0.67**	**J+**
MW-BW-52-180	168	6/9/2021	**0.60**	**J+**
MW-BW-52-180	168	9/2/2021	**0.53**	
MW-BW-57-180	193	12/9/2020	**0.82**	
MW-BW-57-180	193	3/2/2021	**0.70**	
MW-BW-57-180	193	6/8/2021	**0.60**	
MW-BW-57-180	193	9/2/2021	0.30	J
MW-BW-58-180	175	8/31/2021	<0.25	U

Table 11. Summary of Groundwater Monitoring Analytical Results, Upper 180-Foot Aquifer, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	CT (µg/L) Value	Qual
MW-OU2-64-180	198	12/9/2020	**6.8**	
MW-OU2-64-180	193	3/5/2021	**8.7**	**J+**
MW-OU2-64-180	198	6/9/2021	**5.3**	**J+**
MW-OU2-64-180	193	8/31/2021	**3.5**	**J+**
MW-OU2-67-180	206	12/9/2020	<0.070	U
MW-OU2-67-180	206	3/3/2021	<0.25	U
MW-OU2-67-180	206	6/9/2021	<0.25	U
MW-OU2-67-180	206	8/31/2021	<0.25	U
MW-OU2-70-180	235	9/2/2021	<0.25	U
Max Conc (µg/L) 2021-3Q:			**6.2**	**J+**
Max Conc (µg/L) 2020-4Q to 2021-3Q:			**8.7**	**J+**
Number of Sampling Locations:			11	
Number of Locations above ACL:			15	
Percent of Locations with Detections:			55%	

Notes:
--: sample collected from pump spigot
^ Passive diffusion bag (PDB) sample collected at different depth
Results in **bold** are detected results at or above the Aquifer Cleanup Level (ACL) as shown in Table 1
Results in gray are not detected (result reported as <limit of detection [LOD])

Acronyms and Abbreviations:
µg/L: micrograms per liter
Conc: concentration
CT: carbon tetrachloride
ft btoc: feet below top of casing
Max: maximum
Qual: qualifier

Data Validation Qualifiers:
J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+)
U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.25)
UJ: Validation qualifier, The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 12. Summary of Groundwater Monitoring Analytical Results, Lower 180-Foot Aquifer, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	1,2-DCA (µg/L) Value	Qual	CT (µg/L) Value	Qual	TCE[1] (µg/L) Value	Qual
Lower 180-Foot Aquifer								
AIRFIELD	335	12/7/2020	<0.15	U	<0.070	U	<0.15	U
AIRFIELD	335	3/1/2021	<0.25	U	0.37	J	<0.25	U
AIRFIELD	335	6/3/2021	<0.25	U	0.44	J	<0.25	U
AIRFIELD	335	8/29/2021	<0.25	U	0.39	J	<0.25	U
EW-OU2-07-180	222	12/9/2020	0.044	J	0.030	J	3.0	
EW-OU2-07-180	234	3/3/2021	<0.25	U	<0.25	U	3.6	J+
EW-OU2-07-180	258	6/3/2021	<0.25	U	<0.25	U	2.8	
EW-OU2-07-180	222	8/31/2021	<0.25	U	<0.25	U	3.6	J+
MP-BW-31-292	--	3/1/2021	<0.25	U	0.22	J	<0.25	U
MP-BW-31-292	--	8/30/2021	<0.25	U	<0.25	U	<0.25	U
MP-BW-41-318	--	12/10/2020	<0.15	U	<0.070	U	<0.15	U
MP-BW-41-318	--	3/3/2021	<0.25	UJ	<0.25	UJ	0.59	J
MP-BW-41-318	--	6/2/2021	<0.25	U	<0.25	U	0.67	
MP-BW-41-318	--	8/31/2021	<0.25	U	<0.25	U	0.37	J
MP-BW-41-353	--	12/10/2020	<0.15	U	<0.070	U	<0.15	U
MP-BW-41-353	--	3/3/2021	<0.25	U	<0.25	U	1.5	J+
MP-BW-41-353	--	6/2/2021	<0.25	U	<0.25	U	1.3	
MP-BW-41-353	--	8/31/2021	<0.25	U	<0.25	U	1.3	J+
MP-BW-42-345	--	12/9/2020	<0.15	U	<0.070	U	0.79	
MP-BW-42-345	--	3/3/2021	<0.25	U	<0.25	U	0.97	J+
MP-BW-42-345	--	6/2/2021	<0.25	U	<0.25	U	1.1	
MP-BW-42-345	--	8/31/2021	<0.25	U	<0.25	U	1.1	J+
MP-BW-49-287	--	12/10/2020	<0.15	U	0.33		<0.15	U
MP-BW-49-287	--	3/3/2021	<0.25	U	**0.86**	**J+**	<0.25	U
MP-BW-49-287	--	6/1/2021	<0.25	U	0.32	J	<0.25	U
MP-BW-49-287	--	8/31/2021	<0.25	U	0.31	J	<0.25	U
MP-BW-49-316	--	12/10/2020	<0.15	U	**1.9**		<0.15	U
MP-BW-49-316	--	3/3/2021	<0.25	U	**4.1**	**J+**	<0.25	U
MP-BW-49-316	--	6/1/2021	<0.25	U	**3.1**		<0.25	U
MP-BW-49-316	--	8/31/2021	<0.25	U	**3.0**	**J+**	<0.25	U
MP-BW-49-368	--	12/10/2020	<0.15	U	0.043	J	0.73	
MP-BW-49-368	--	3/3/2021	<0.25	U	<0.25	U	1.2	J
MP-BW-49-368	--	6/1/2021	<0.25	U	<0.25	U	0.53	
MP-BW-49-368	--	8/31/2021	<0.25	U	<0.25	U	0.40	J
MP-BW-49-400	--	12/10/2020	<0.15	U	<0.070	U	4.0	
MP-BW-49-400	--	3/3/2021	<0.25	U	<0.25	U	**5.4**	**J+**
MP-BW-49-400	--	6/1/2021	<0.25	U	<0.25	U	4.4	
MP-BW-49-400	--	8/31/2021	<0.25	U	<0.25	U	4.0	

Table 12. Summary of Groundwater Monitoring Analytical Results, Lower 180-Foot Aquifer, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	1,2-DCA (µg/L) Value	Qual	CT (µg/L) Value	Qual	TCE[1] (µg/L) Value	Qual
MP-BW-50-339	--	12/9/2020	<0.15	U	0.31		<0.15	U
MP-BW-50-339	--	3/2/2021	<0.25	U	**0.56**	**J+**	0.23	J
MP-BW-50-339	--	6/2/2021	<0.25	U	**1.2**		<0.25	U
MP-BW-50-339	--	8/31/2021	<0.25	U	**1.2**		<0.25	U
MP-BW-50-384	--	12/9/2020	<0.15	U	0.058	J	1.6	
MP-BW-50-384	--	3/2/2021	<0.25	U	0.11	J	2.5	
MP-BW-50-384	--	6/2/2021	<0.25	U	<0.25	U	1.4	
MP-BW-50-384	--	8/31/2021	<0.25	U	<0.25	U	2.0	
MP-BW-51-405	--	12/10/2020	<0.15	U	0.13	J	1.7	
MP-BW-51-405	--	3/3/2021	<0.25	U	0.12	J	1.2	J+
MP-BW-51-405	--	6/1/2021	<0.25	U	0.13	J	1.7	
MP-BW-51-405	--	8/31/2021	<0.25	U	0.16	J	1.5	
MW-BW-04-180	357	9/2/2021	<0.25	U	0.44	J	0.12	J
MW-BW-59-180	360	12/9/2020	<0.15	U	0.076	J	**8.9**	
MW-BW-59-180	345	3/4/2021	<0.25	U	0.12	J	**9.7**	**J+**
MW-BW-59-180	350	6/3/2021	<0.25	U	0.13	J	**10.9**	
MW-BW-59-180	350	8/31/2021	<0.25	U	0.14	J	**10.0**	**J+**
MW-OU2-66-180	321	12/9/2020	<0.15	U	0.028	J	0.29	
MW-OU2-66-180	326	3/5/2021	<0.25	U	<0.25	U	0.42	J
MW-OU2-66-180	331	6/2/2021	<0.25	U	<0.25	U	0.61	
MW-OU2-66-180	326	8/31/2021	<0.25	U	<0.25	U	0.35	J
MW-OU2-69-180	340	12/9/2020	<0.15	U	**0.96**		<0.15	U
MW-OU2-69-180	345	3/3/2021	<0.25	U	**1.4**	**J+**	<0.25	U
MW-OU2-69-180	330	6/1/2021	<0.25	U	**0.91**		<0.25	U
MW-OU2-69-180	330	8/31/2021	<0.25	U	**1.1**	**J+**	<0.25	U
MW-OU2-72-180	362	12/10/2020	<0.15	U	<0.070	U	1.4	
MW-OU2-72-180	367	3/3/2021	<0.25	U	<0.25	U	1.4	J+
MW-OU2-72-180	372	6/3/2021	<0.25	U	<0.25	U	1.3	
MW-OU2-72-180	357	9/23/2021	<0.25	U	<0.25	U	1.8	
MW-OU2-78-180	325	12/9/2020	<0.15	U	<0.070	U	2.1	
MW-OU2-78-180	330	3/3/2021	<0.25	U	<0.25	U	2.5	J+
MW-OU2-78-180	340	6/3/2021	<0.25	U	<0.25	U	2.0	
MW-OU2-78-180	340	8/31/2021	<0.25	U	<0.25	U	2.2	J+
MW-OU2-82-180	355	12/10/2020	<0.15	UJ	0.041	J	4.0	J
MW-OU2-82-180	360	3/4/2021	<0.25	U	<0.25	U	4.2	J+
MW-OU2-82-180	345	6/23/2021	<0.25	U	<0.25	U	3.7	
MW-OU2-82-180	350	9/1/2021	<0.25	U	<0.25	U	**5.9**	
Max Conc (µg/L) 2021-3Q:			<0.25	U	**3.0**	**J+**	**10.0**	**J+**
Max Conc (µg/L) 2020-4Q to 2021-3Q:			<0.25	U	**4.1**	**J+**	**10.9**	

Table 12. Summary of Groundwater Monitoring Analytical Results, Lower 180-Foot Aquifer, Fourth Quarter 2020 through Third Quarter 2021

Station	Depth (ft btoc)	Analyte: Units: Date	1,2-DCA (µg/L) Value	1,2-DCA (µg/L) Qual	CT (µg/L) Value	CT (µg/L) Qual	TCE[1] (µg/L) Value	TCE[1] (µg/L) Qual
Number of Sampling Locations:			20		20		20	
Number of Locations above ACL/MCL:			0		4		3	
Percent of Locations with Detections:			0%		70%		75%	
Supply Wells								
FO-29	--	12/10/2020	0.047	J	0.18	J	1.7	
FO-29	--	3/4/2021	<0.25	U	0.27	J	1.8	J+
FO-29	--	6/3/2020	<0.25	U	0.23	J	1.8	
FO-29		9/2/2021	<0.25	U	0.17	J	2.6	
FO-30	--	12/10/2020	<0.15	U	0.17	J	0.38	
FO-30	--	3/4/2021	<0.25	U	0.19	J	0.55	J+
FO-30	--	6/3/2020	<0.25	U	0.24	J	0.52	
FO-30	--	9/2/2021	<0.25	U	0.24	J	0.55	
FO-31	--	12/10/2020	<0.15	U	0.11	J	0.75	
FO-31	--	3/4/2021	<0.25	U	0.15	J	0.95	J+
FO-31	--	6/3/2020	<0.25	U	0.14	J	0.85	
Max Conc (µg/L) 2021-3Q:			<0.25	U	0.24	J	2.6	
Max Conc (µg/L) 2020-4Q to 2021-3Q:			0.047	J	0.27	J	2.6	

Notes:

--: sample collected from pump spigot

Results in gray are not detected (result reported as <limit of detection [LOD])

Results in **bold** are detected results at or above the Aquifer Cleanup Level for CT or Maximum Contaminant Level for TCE[1]

^ Passive diffusion bag (PDB) sample collected at different depth

* Duplicate sample

[1]TCE is not a COC for the Lower 180-Foot Aquifer

Acronyms and Abbreviations:

µg/L: micrograms per liter

ft btoc: feet below top of casing

Qual: qualifier

Analyte Names:

TCE: trichloroethene

1,2-DCA: 1,2-dichloroethane

CT: carbon tetrachloride

Data Validation Qualifiers:

J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+)

U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <0.25)

UJ: Validation qualifier, The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 13. Recommended Groundwater Sample Schedule Modifications

Well Name	Current Sampling Frequency	Recommended Sampling Frequency Change	Rationale
A-Aquifer			
EISB-EW-03	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EISB-MW-01	Annual VOCs	Stop Sampling VOCs	Meets QAPP Decision Criteria to Stop Sampling[1]
EISB-MW-04	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-92-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-93-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-100-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-104-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-112-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-126-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
EW-BW-144-A	Quarterly VOCs	Annual VOCs	Meets QAPP Decision Criteria to Reduce to Annual Sampling[2]
EW-BW-167-A	Annual VOCs	Stop Sampling VOCs	Meets QAPP Decision Criteria to Stop Sampling
MW-B-12-A	Quarterly VOCs	Annual VOCs	Meets QAPP Decision Criteria to Reduce to Annual Sampling
MW-BW-42-A	Annual VOCs	Stop Sampling VOCs	Meets QAPP Decision Criteria to Stop Sampling
MW-BW-49-A	Quarterly VOCs	Annual VOCs	Meets QAPP Decision Criteria to Reduce to Annual Sampling
MW-BW-56-A	Quarterly VOCs	Annual VOCs	Meets QAPP Decision Criteria to Reduce to Annual Sampling
MW-BW-58-A	Quarterly VOCs	Annual VOCs	Meets QAPP Decision Criteria to Reduce to Annual Sampling
MW-BW-86-A	Annual VOCs	Stop Sampling VOCs	Meets QAPP Decision Criteria to Stop Sampling
Upper 180-Foot Aquifer			
MP-BW-37-193	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-41-202	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-41-256	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-42-195	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-42-235	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-46-185	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-46-200	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-46-215	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MW-BW-02-180	Annual VOCs	Stop Sampling VOCs	Meets QAPP Decision Criteria to Stop Sampling

Table 13. Recommended Groundwater Sample Schedule Modifications

Well Name	Current Sampling Frequency	Recommended Sampling Frequency Change	Rationale
Lower 180-Foot Aquifer			
MCWD-08-A	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-30-317	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-30-342	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-30-467	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-30-537	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-31-292	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-31-332	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-31-362	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-31-457	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-31-522	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-32-332	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-32-366	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-32-472	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-32-522	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-33-317	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-33-397	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-34-292	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-34-357	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-34-492	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-34-537	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-35-312	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-35-366	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-35-467	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-35-527	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-35-562	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-37-303	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-37-328	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-37-398	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-37-460	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-38-327	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-38-341	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW

Table 13. Recommended Groundwater Sample Schedule Modifications

Well Name	Current Sampling Frequency	Recommended Sampling Frequency Change	Rationale
MP-BW-38-368	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-38-418	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-39-310	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-39-350	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-39-395	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-40-333	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-40-375	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-40-400	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-41-286	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-41-396	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-42-295	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-42-314	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-42-400	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-49-336	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-50-289	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-50-309	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-50-359	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-51-315	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-51-340	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-51-370	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-52-323	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-52-338	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-52-388	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MP-BW-52-408	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MW-BW-03-400	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MW-OU2-28-400	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW
MW-OU2-68-180	DTW Only	Decommission	Meets QAPP decision rules to decommission[3]
MW-OU2-71-180	DTW Only	Remove from QAPP	Adjacent wells DTW used, not needed for DTW

Table 13. Recommended Groundwater Sample Schedule Modifications

Notes:

[1] If two consecutive annual monitoring results show concentrations of COCs below their respective LOQs, or below 10% of their respective ACLs, whichever is greater, then the well may be proposed to be removed from the sampling program.

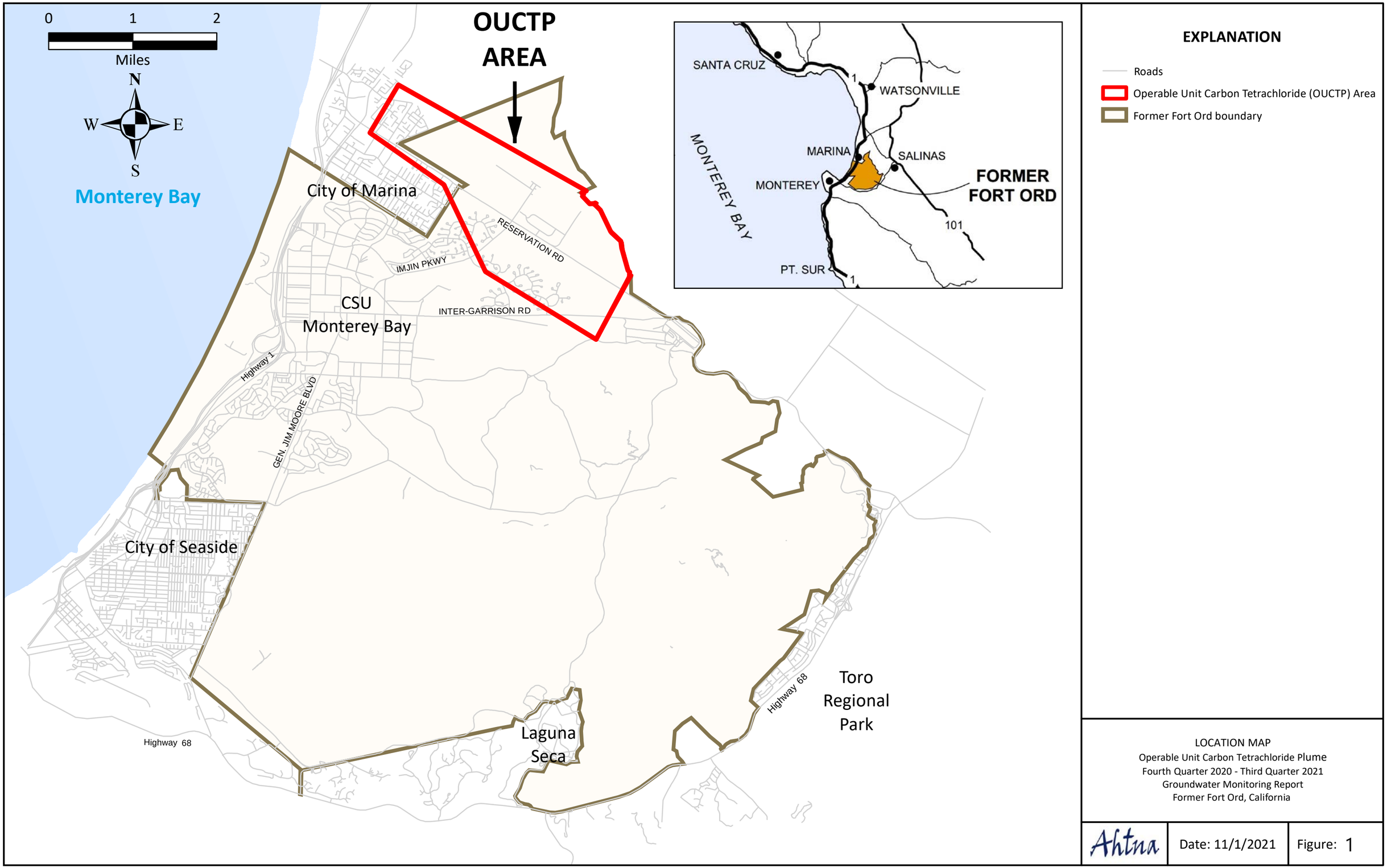
[2] If four consecutive quarters of monitoring data show concentrations of COCs below their their respective LOQs, or below 10% of their ACLs, whichever is greater, then the well may be proposed for annual sampling.

[3] If a well is no longer needed for the program, it will be proposed for decommissioning. Groundwater elevations will continue to be collected until it is decommissioned or determined to be redundant or unnecessary.

Acronyms and Abbreviations:

ACL: aquifer cleanup level
COC: chemical of concern
CT: carbon tetrachloride
DTW: depth to water
EISB: Enhanced In Situ Bioremediation
LOQ: limit of quantitation
QAPP: Quality Assurance Project Plan
VOC: volatile organic compound

FIGURES



LOCATION MAP
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 1

0 1,500 3,000

Feet

N

W E

S

MW-BW-89-A
MW-BW-28-A
MW-BW-15-A
MW-BW-55-180
MW-B-14-A
MP-BW-39
MW-40-01-A
MW-BW-60-A
MW-BW-93-A
EW-BW-132-A
MW-BW-21-180
EW-BW-124-A
MP-BW-33
AIRFIELD
MP-BW-38
MW-BW-88-A
MW-BW-90-A
MW-BW-94-AR
MP-BW-40
MP-BW-35
MW-BW-87-A
MW-BW-58-A
EW-BW-164-A
MP-BW-52
EW-BW-165-A
MW-BW-86-A
MW-BW-16-A
MP-BW-34
EW-BW-166-A
EW-BW-160-A
EW-BW-167-A
EW-BW-168-A
MW-BW-91-A
EW-BW-161-A
MW-BW-85-A
EW-BW-169-A
MW-BW-57-A
MW-BW-56-A
MW-BW-03-400
MW-BW-02-180
MW-BW-04-180
FO-30
MP-BW-50
MW-BW-58-180
MP-BW-51
FO-31
FO-29
MW-OU2-69-180
MW-OU2-70-180
MW-OU2-71-180
MW-OU2-72-180
MW-OU2-68-180
MW-OU2-67-180
MW-OU2-30-180
MP-BW-41
MW-BW-56-180
MW-OU2-82-180
EW-BW-92-A
TEST2
MW-BW-54-180
MW-BW-31-A
MP-BW-37
MW-BW-32-A
EW-BW-155-A
MP-BW-31
MW-BW-92-A
MW-BW-27-A
EW-BW-149-A
MW-BW-95-A
MW-B-05-180
MW-BW-81-A
MW-BW-75-A
MW-BW-80-A
MW-BW-82-A
MW-BW-74-A
MW-BW-83-A
MW-BW-78-A
EISB-MW-04
MW-BW-77-A
EISB-EW-03
EISB-EW-01
MW-BW-67-A
EISB-EW-02
MW-BW-65-A
MW-BW-49-A
MW-BW-48-A
MW-BW-79-A
MW-BW-46-A
MW-BW-66-A
EISB-MW-01
EISB-EW-15
EISB-EW-12
MW-BW-44-A
MW-BW-45-A
EISB-EW-09
MW-BW-43-A
MW-BW-41-A
MW-BW-42-A
MW-BW-59-A
MW-BW-38-A
MW-BW-35-A
MW-BW-34-A
MCWD-08A
MW-BW-30-A
MP-BW-30
EW-BW-150-A
MW-BW-39-A
MW-BW-36-A
MW-B-12-A
MW-BW-26-180
EW-BW-140-A
MW-BW-26-A
EW-BW-144-A
MW-BW-43-180
MP-BW-32
EW-BW-129-A
MW-BW-18-A
EW-BW-135-A
EW-BW-126-A
MW-BW-17-A
MW-OU2-07-400
MW-BW-44-180
MW-BW-24-A
MW-BW-45-180
EW-BW-119-A
MW-BW-25-A
EW-BW-112-A
MP-BW-46
MW-BW-47-180
EW-BW-100-A
MW-BW-53-180
MW-BW-53-A
EW-BW-93-A
MW-BW-71-A
MP-BW-48
MW-BW-63-A
MW-BW-50-180
MW-BW-50-A
MW-BW-49-180
EW-BW-159-A
EW-BW-109-A
MW-BW-54-A
EW-BW-104-A
MW-BW-52-180
MW-BW-51-A
MW-BW-51-180
MW-BW-57-180
MP-BW-42
EW-OU2-09-180
MW-OU2-64-180
MW-OU2-66-180
MP-BW-49
MW-OU2-28-400
MW-BW-59-180
MW-OU2-78-180
EW-OU2-07-180
B
C
D
E
F

EXPLANATION

- Extraction well
- Monitoring well
- Marina Coast active supply well
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate extent of landfill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary

SITE VICINITY AND WELL LOCATIONS
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 2

Monterey Bay

MW-BW-78-A 9.70
MW-BW-81-A 7.86
MW-BW-80-A 9.27
MW-BW-75-A 8.43
MW-BW-82-A 7.14
MW-BW-83-A 6.94
MW-BW-74-A 7.60
MW-BW-65-A 8.73
MW-BW-49-A 8.56
MW-BW-79-A 9.48
MW-BW-48-A 8.16
EISB-EW-12 9.52
MW-BW-46-A 8.72
MW-BW-44-A 9.25
EISB-EW-09 10.30
MW-BW-45-A 9.16
MW-BW-77-A 11.53
EISB-EW-15 10.44
EISB-MW-04 9.6
EISB-MW-01 14.37
EISB-EW-03 31.3
EISB-EW-01 30.89
MW-BW-66-A 33.01
EISB-EW-02 33.02
MW-BW-67-A 32.98
MW-BW-43-A 36.05
MW-B-12-A 44.68
MW-BW-59-A 42.04
MW-BW-41-A 38.78
MW-BW-42-A 40.94
MW-BW-38-A 47.09
MW-BW-30-A 54.43
EW-BW-140-A 59.55
EW-BW-144-A 57.82
EW-BW-150-A 55.05
MW-BW-26-A 57.36
EW-BW-129-A 65.09
EW-BW-126-A 64.4
MW-BW-17-A 65.54
MW-BW-18-A 57.07
MW-BW-24-A 68.19
MP-BW-46-080 72.74
EW-BW-119-A 68.2
EW-BW-112-A 69.57
EW-BW-104-A 71.43
MW-OU2-76-A 62.45
EW-BW-100-A 71.75
MP-BW-46-095 69.86
MW-OU2-83-A 65.69
MW-BW-53-A 72.05
MW-OU2-75-A 72.84
EW-BW-93-A 73.81
MW-OU2-81-A 73.89
MW-OU2-25-A 77.18
EW-OU2-16-A 69.43
MW-OU2-46-A 80.27
EW-OU2-17-A 72.46
EW-OU2-18-A 70.38
MW-OU2-44-A 77.86
MW-OU2-74-A 86.04
MW-OU2-02-A 81.34
EW-OU2-19-A 68.11
EW-OU2-20-A 66.54
MW-OU2-29-A 93.59
MW-OU2-73-A 81.33
MW-OU2-80-A 84.71
MW-OU2-57-A 86.66
MW-OU2-27-A 83.44
MW-OU2-01-A 90.54
MW-OU2-35-A 91.45
MW-OU2-03-A 61.3
MW-OU2-12-A 51.39
MW-OU2-23-A 61.03
EW-OU2-11-AR 43.18
MW-OU2-09-A 48.41
EW-OU2-07-A 50.75
EW-OU2-09-A 39.13
EW-OU2-10-A 46.6
MW-OU2-21-A 39.48
MW-OU2-04-A* nm
MW-OU2-79-A 7.28
EW-OU2-12-A 42.98
MW-OU2-08-A 60.58
MW-OU2-07-A 54.27
MW-OU2-05-A 46.44
EW-OU2-13-A 49.47
MW-OU2-06-AR 48.67
MW-BW-13-A 7.39
EW-OU2-03-A nm
EW-OU2-01-A 6.43
INF-OU2-01-180
MW-OU2-32-A* 5.21
EW-OU2-02-A 8.52
MW-BW-11-A 5.92
EW-OU2-04-A 4.38
EW-OU2-05-A 10.72
MW-OU2-40-A 9.72
EW-OU2-06-A 5.56
MW-OU2-34-A 4.10
INF-OU2-02-180
MW-BW-32-A 52.40
MW-BW-92-A 52.49
EW-BW-155-A 56.06
MW-BW-27-A 59.15
MW-BW-95-A 52.04
EW-BW-149-A 61.57
EW-BW-135-A 63.78
MW-BW-15-A 63.74
MW-BW-89-A 59.47
MW-BW-28-A 61.83
MW-BW-39-A 44.02
MW-BW-35-A 48.00
MW-BW-36-A 47.88
MW-BW-34-A 50.05
MW-BW-31-A 52.03
MW-BW-60-A 64.61
MW-B-14-A 64.70
MW-40-01-A 57.00
EW-BW-132-A 65.24
MW-BW-93-A 61.04
EW-BW-124-A 65.85
EW-BW-167-A 66.5
MW-BW-88-A 64.86
EW-BW-166-A 66.47
EW-BW-165-A 66.03
MW-BW-90-A 63.42
MW-BW-94-AR 61.77
MW-BW-87-A 65.3
EW-BW-164-A 65.61
MW-BW-58-A 64.39
MW-BW-16-A 66.64
MW-BW-86-A 64.21
EW-BW-168-A 67.15
EW-BW-160-A 66.72
MW-BW-91-A 67.41
EW-BW-161-A 67.55
EW-BW-169-A 67.82
MW-BW-35-A 67.69
MW-BW-57-A 67.93
MW-BW-56-A 68.79
MW-BW-25-A 68.55
EW-BW-159-A 69.41
MW-BW-54-A 71.92
MW-BW-01-A 56.61
EW-BW-109-A 70.79
MW-BW-51-A 74.57
EW-BW-92-A 74.65
MW-OU2-58-A 74.31
MW-OU2-30-A 76.36
MP-BW-48-113 81.84
MP-BW-48-133 74.91
MW-BW-71-A 74.51
MW-BW-63-A 73.25
EW-OU2-15-A 72.31
MW-BW-50-A 76.88
EW-OU2-14-A 78.98
MW-OU2-45-A 80.98
MW-OU2-77-A 80.58
MW-OU2-28-A 83.00
MW-OU2-13-A 86.27
6 8 10 20 30 40 50 60 70 80 90 92 90 80 70 60 50

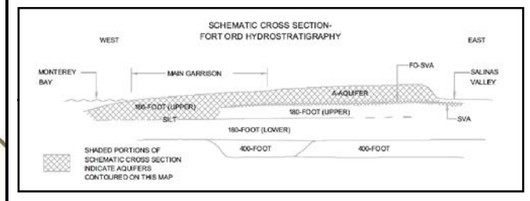
F

N
W E
S

0 2,000 4,000 Feet

EXPLANATION

- Extraction well
- Monitoring well
- Infiltration well
- Groundwater elevation contour
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Approximate extent of landfill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary
- * Water - level not used for contouring.
- nm Water - level not measured
- Location of a groundwater depression
- Location of a groundwater inclination
- MW-BW-28-A 83.00 Well ID and water-level elevation (feet)



NOTES:

(1) MW-OU2-04-A Top or casing is unknown due to construction
(2) Groundwater elevations were taken between November 16, 2020 and December 11, 2020.
(3) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may by possible.
(4) Groundwater elevations are relative to NGVD 1929.
(5) Montoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
A-AQUIFER
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 3

Monterey Bay

MW-BW-78-A 9.02
MW-BW-81-A 8.51
MW-BW-80-A 9.85
MW-BW-75-A 8.57
MW-BW-82-A 7.92
MW-BW-83-A 7.82
MW-BW-74-A 8.39
MW-BW-65-A 9.53
MW-BW-49-A 10.88
MW-BW-79-A 9.83
MW-BW-48-A 8.66
EISB-EW-12 9.94
MW-BW-46-A 9.14
MW-BW-44-A 9.58
EISB-EW-09 9.78
MW-BW-45-A 9.48
MW-BW-77-A 11.7
EISB-EW-15 10.55
EISB-MW-04 10.05
EISB-MW-01 14.63
EISB-EW-03 30.79
EISB-EW-01 30.93
MW-BW-66-A 32.08
EISB-EW-02 32.16
MW-BW-67-A 33
MW-BW-43-A 36.14
MW-B-12-A 44.61
MW-BW-41-A 38.97
MW-BW-42-A 41.17
MW-BW-59-A 42.16
MW-BW-39-A 43.15
MW-BW-35-A 38.14
MW-BW-36-A 47.89
MW-BW-34-A 50.08
MW-BW-31-A 52
MW-BW-32-A 52.91
MW-BW-92-A 52.53
EW-BW-155-A 56
MW-BW-27-A 59.12
MW-BW-95-A 52.22
EW-BW-149-A 61.56
EW-BW-135-A 63.74
MW-BW-15-A 63.81
MW-BW-89-A 59.35
MW-BW-28-A 61.82
MW-B-14-A 64.73
MW-BW-60-A 64.59
MW-40-01-A 57.25
EW-BW-132-A 65.22
MW-BW-93-A 61.08
EW-BW-124-A 65.71
EW-BW-167-A 66.63
MW-BW-88-A 64.89
EW-BW-166-A 66.43
EW-BW-165-A 66.08
MW-BW-90-A 63.27
MW-BW-94-AR 60.79
MW-BW-87-A 65.32
EW-BW-164-A 65.65
MW-BW-58-A 64.44
MW-BW-16-A 66.68
MW-BW-86-A 64.24
EW-BW-168-A 67.06
EW-BW-160-A 66.73
MW-BW-91-A 67.38
EW-BW-161-A 67.58
MW-BW-38-A 47.26
MW-BW-30-A 55.12
EW-BW-144-A 57.76
MW-BW-26-A 57.14
EW-BW-150-A 54.97
EW-BW-126-A 64.24
MW-BW-17-A 65.46
MW-BW-18-A 57.04
MW-BW-24-A 67.17
EW-BW-112-A 69.32
MW-OU2-76-A 62.37
MW-OU2-83-A 65.67
EW-BW-119-A 68.09
EW-BW-104-A 71.35
EW-BW-100-A 71.68
MW-BW-53-A 72
MP-BW-46-080 72.24
MP-BW-46-095 69.33
MW-OU2-75-A 72.86
EW-BW-93-A 74.41
EW-OU2-16-A 69.55
MW-OU2-81-A 73.92
MW-OU2-25-A 76.98
MW-OU2-46-A 80.22
EW-OU2-17-A 70.4
EW-OU2-18-A 63.88
MW-OU2-44-A 77.6
MW-OU2-74-A 85.84
MW-OU2-02-A 81.12
EW-OU2-19-A 66.1
EW-OU2-20-A 62.1
MW-OU2-29-A 93.79
MW-OU2-73-A 81.13
MW-OU2-80-A 85.07
MW-OU2-57-A 87.03
MW-OU2-27-A 83.26
MW-OU2-01-A 90.97
MW-OU2-35-A 91.79
EW-OU2-14-A 79.11
MW-OU2-45-A 80.7
MW-OU2-77-A 80.72
MW-OU2-28-A 82.78
MW-OU2-13-A 86.1
EW-BW-169-A 68.23
MW-BW-85-A 67.62
MW-BW-57-A 67.91
MW-BW-56-A 68.5
MW-BW-25-A 67.41
EW-BW-159-A 69.38
MW-BW-54-A 71.89
MW-BW-01-A 56.64
EW-BW-109-A 70.8
MW-BW-51-A 74.52
EW-BW-92-A 75.17
MW-OU2-58-A 74.13
MW-OU2-30-A 76.2
MP-BW-48-113 81.4
MP-BW-48-133 74.45
MW-BW-71-A 74.53
MW-BW-63-A 73.56
EW-OU2-15-A 78.94
MW-BW-50-A 76.94
EW-OU2-01-A 6.78
INF-OU2-01-180
MW-OU2-32-A 5.77
EW-OU2-02-A 11.95
MW-BW-11-A 6.34
EW-OU2-04-A 6.09
EW-OU2-05-A 5.35
MW-OU2-40-A 5.87
EW-OU2-06-A 5.09
MW-OU2-34-A 4.06
INF-OU2-02-180
EW-OU2-03-A 51.32
MW-BW-13-A 7.5
MW-OU2-04-A nm
MW-OU2-21-A 40.01
MW-OU2-79-A 7.39
MW-OU2-08-A 60.72
MW-OU2-07-A nm
MW-OU2-05-AR nm
EW-OU2-13-A 47.93
MW-OU2-06-AR 48.48
EW-OU2-12-A 42.34
MW-OU2-09-A 48.73
EW-OU2-07-A 50.14
EW-OU2-09-A 36.15
EW-OU2-10-A 37.44
MW-OU2-23-A 60.69
EW-OU2-11-AR 43.08
MW-OU2-12-A 51.14
MW-OU2-03-A 61.8

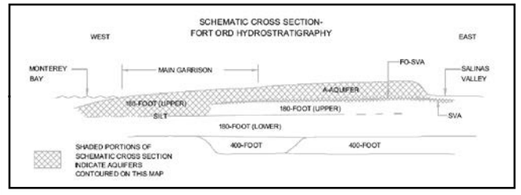
6 8 10 20 30 40 50 60 70 80 90 92 90 80 70 60 50

N
W E
S

0 2,000 4,000 Feet

EXPLANATION

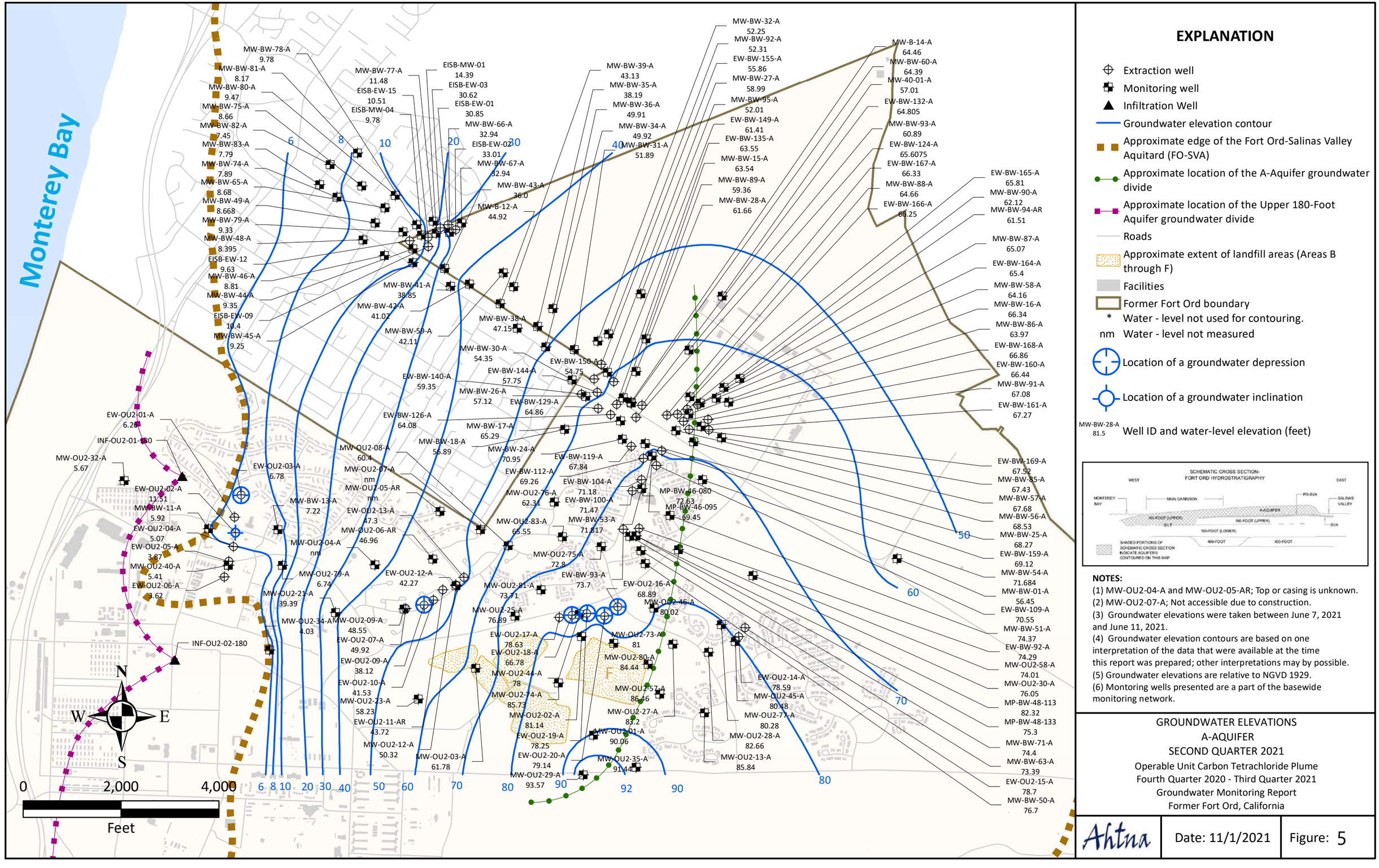
- Extraction well
- Monitoring well
- Infiltration well
- Groundwater elevation contour
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Approximate extent of landfill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary
- * Water - level not used for contouring.
- nm Water - level not measured
- Location of a groundwater depression
- Location of a groundwater inclination
- MW-BW-28-A 83.00 Well ID and water-level elevation (feet)



NOTES:
(1) MW-OU2-04-A and MW-OU2-84-A; Top of casing is unknown due to construction
(2) MW-OU2-07-A was inaccessible due to construction.
(3) Groundwater elevations were taken between March 1, 2021 and March 5, 2021.
(4) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may by possible.
(5) Groundwater elevations are relative to NGVD 1929.
(6) Montoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
A-AQUIFER
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 4



EXPLANATION

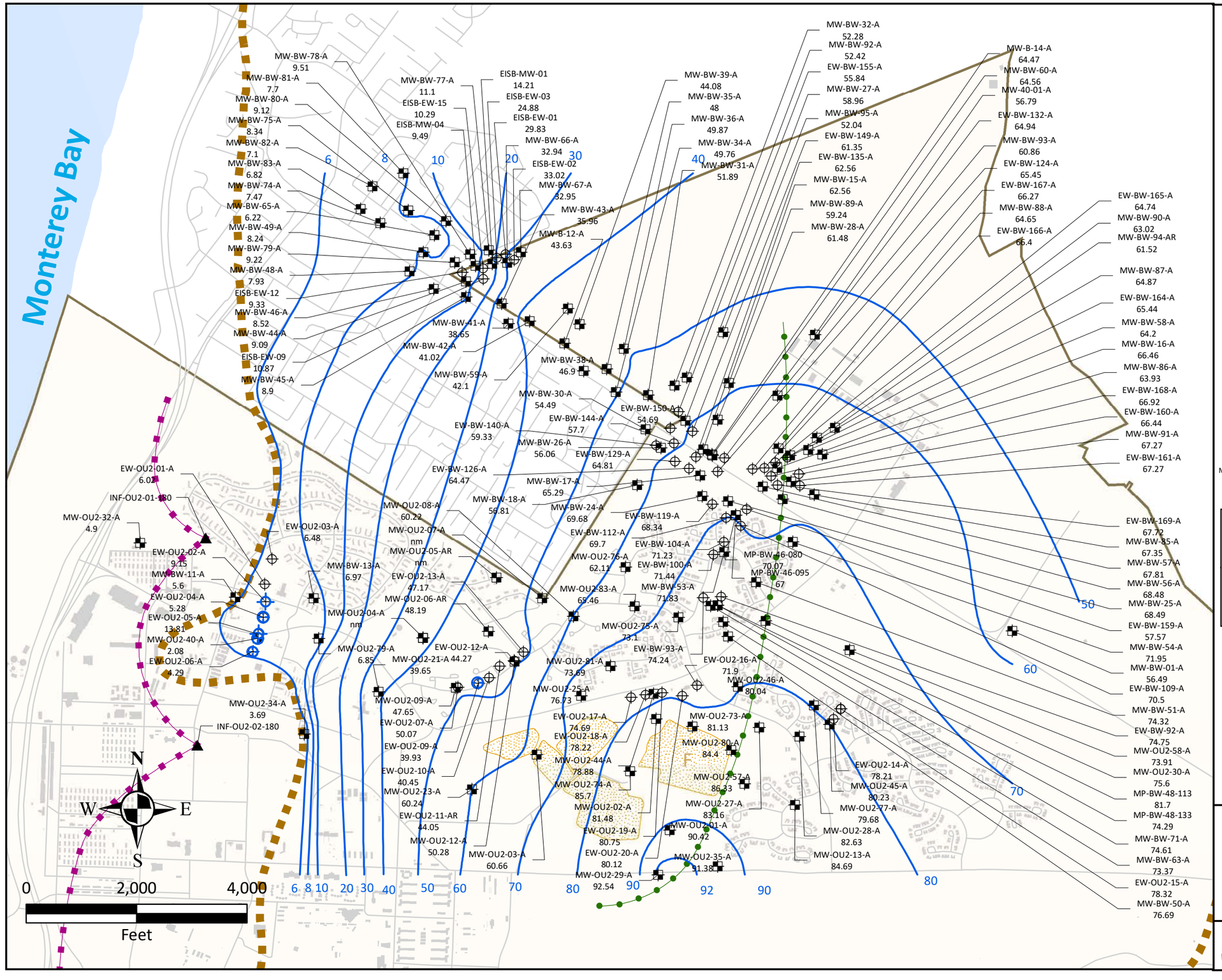
- Extraction well
- Monitoring well
- Infiltration Well
- Groundwater elevation contour
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Approximate extent of landfill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary
- * Water - level not used for contouring.
- nm Water - level not measured
- Location of a groundwater depression
- Location of a groundwater inclination
- MW-BW-28-A 81.5 Well ID and water-level elevation (feet)

NOTES:

(1) MW-OU2-04-A and MW-OU2-05-AR; Top or casing is unknown.
(2) MW-OU2-07-A; Not accessible due to construction.
(3) Groundwater elevations were taken between June 7, 2021 and June 11, 2021.
(4) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may by possible.
(5) Groundwater elevations are relative to NGVD 1929.
(6) Montoring wells presented are a part of the basewide monitoring network.

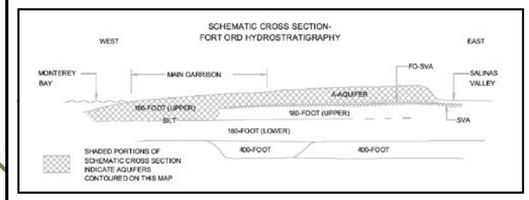
GROUNDWATER ELEVATIONS
A-AQUIFER
SECOND QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 5



EXPLANATION

- Extraction well
- Monitoring well
- Infiltration well
- Groundwater elevation contour
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Approximate extent of landfill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary
- * Water - level not used for contouring.
- nm Water - level not measured
- Location of a groundwater depression
- Location of a groundwater inclination
- MW-BW-28-A 81.5 Well ID and water-level elevation (feet)

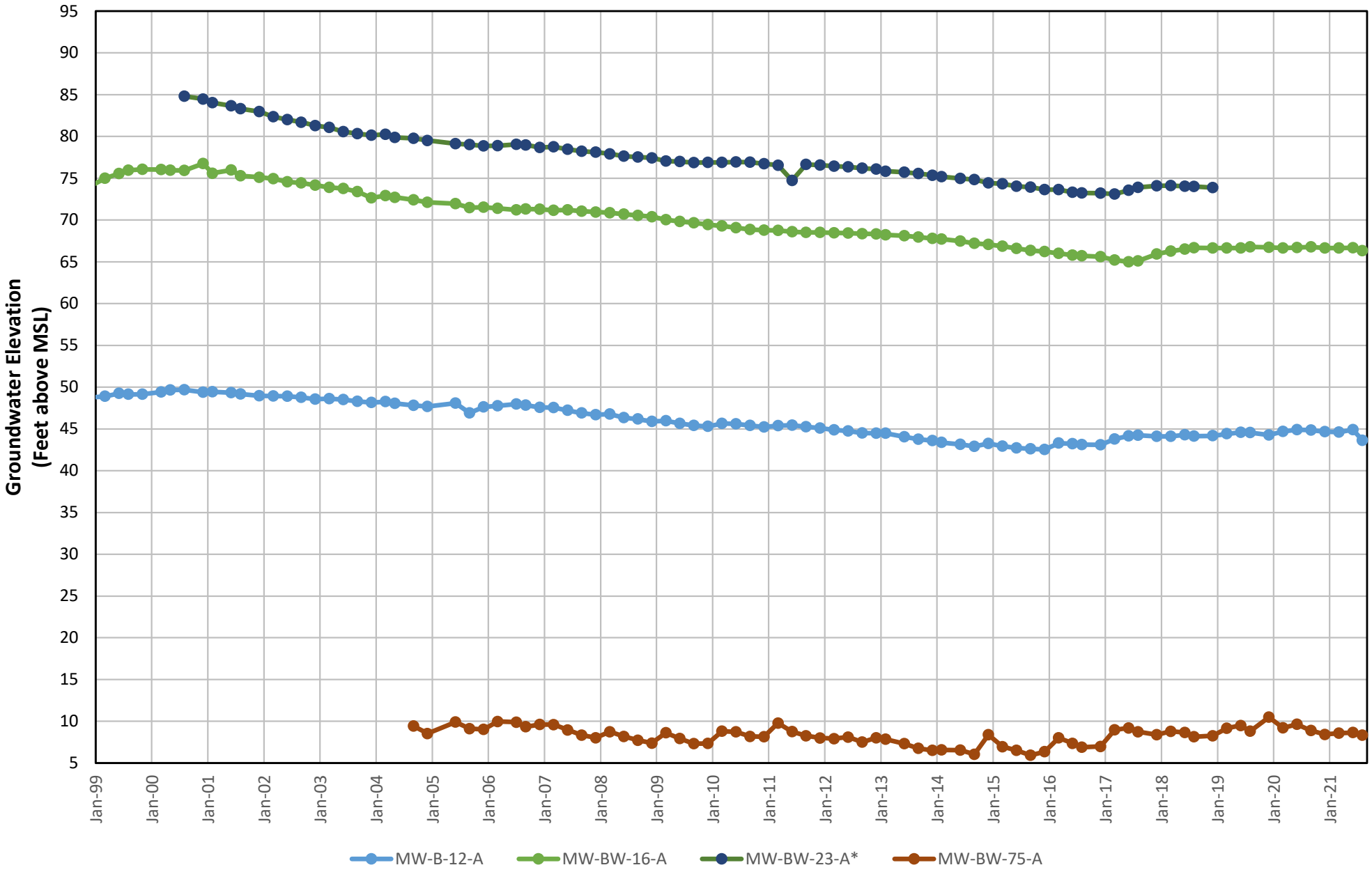


NOTES:

(1) MW-OU2-04-A and MW-OU2-05-AR; Top or casing is unknown.
(2) MW-OU2-07-A; Not accessible due to construction.
(3) Groundwater elevations were taken between August 29, 2021 and September 23, 2021.
(4) The Eastern and Western Networks were offline during the sampling event.
(5) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may by possible.
(6) Groundwater elevations are relative to NGVD 1929.
(7) Montoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
A-AQUIFER
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 6



Note: * MW-BW-23-A was decommissioned in January 2019

Ahtna

Hydrographs of Representative A-Aquifer Wells
January 1999 to September 2021

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

7

MW-BW-90-A
1.3

Well ID - Bold When CT Exceeds the ACL.
CT Concentrations (µg/L) and validation/lab qualifier.

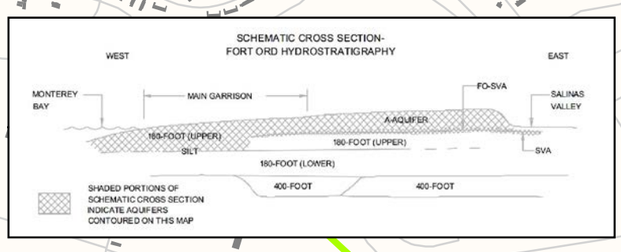
NOTES:

(1) Groundwater samples were collected between December 7, 2020 and December 11, 2020.

(2) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.

(3) Contours near wells not sampled this quarter are inferred from previous analytical data.

MW-BW-75-A 2.4
MW-BW-65-A 0.25
MW-BW-80-A 2.4
MW-BW-79-A 0.42
MW-BW-36-A 0.65
MW-BW-82-A 1.1
MW-BW-78-A 0.22
MW-BW-32-A 0.90
MW-BW-74-A 0.09 J
MW-BW-77-A 0.26
MW-BW-92-A 0.95
MW-BW-95-A 1.1
EISB-EW-01 0.26
MW-BW-89-A 0.67
MW-BW-49-A 0.42
EISB-EW-09 1.1
MW-BW-66-A 0.50
EW-BW-144-A
MW-BW-28-A 0.48
MW-BW-93-A 0.28
MW-BW-60-A 0.28
MW-B-14-A 0.55
MW-BW-88-A 0.74
MW-BW-94-AR 0.48
MW-BW-90-A 1.3
MW-BW-58-A 0.33
MW-BW-87-A 2.1
EW-BW-160-A 1.8
MW-BW-85-A 0.94
MW-BW-91-A 0.57
MW-BW-56-A 0.21
MW-B-12-A 0.46
MW-BW-35-A 0.10 J
MW-BW-31-A 0.80
EW-BW-155-A 0.95
MW-BW-27-A
EW-BW-140-A 0.48
MW-BW-26-A 3.7
EW-BW-129-A 4.1
EW-BW-135-A
MW-BW-17-A 0.06 J
EW-BW-124-A 0.41
MW-BW-24-A
EW-BW-109-A 0.58 J
EW-BW-166-A 0.03 J
0.5



Lexington Court Source Area

N
W
E
S

0 1,000 2,000
Feet

EXPLANATION

- General groundwater flow direction
- Approximate location of the A-Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Lexington Court Source Area
- Former Fort Ord

Well Type and COC Detection

- Extraction well with carbon tetrachloride (CT) detection
- Extraction well with no CT detection
- Monitoring well with CT detection
- Monitoring well with CT detection and chloroform above ACL
- Monitoring Well with no CT detection
- Extraction well not sampled
- Monitoring well not sampled

4Q2020 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) Plume Extent
- 0.5 Estimated CT plume extent

OUCTP A-Aquifer Hydraulic Zone

- 1
- 2
- 3
- 4
- 5

CT CONCENTRATIONS
A-AQUIFER
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 8

MW-BW-90-A
1.4

Well ID - Bold when CT exceeds the ACL. CT concentrations (µg/L) and validation/lab qualifier.

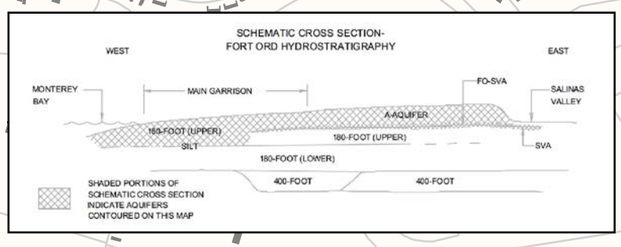
NOTES:

(1) Groundwater samples were collected between March 1, 2021 and March 5, 2021.

(2) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.

(3) Contours near wells not sampled this quarter are inferred from previous analytical data.

MW-BW-75-A
2.9 J+
MW-BW-82-A
1.4
MW-BW-74-A
0.23 J
MW-BW-65-A
0.43 J
MW-BW-80-A
2.9 J+
MW-BW-79-A
0.47 J
MW-BW-78-A
0.16 J
MW-BW-77-A
0.31 J
EISB-EW-01
0.28 J
MW-BW-36-A
0.46 J
MW-BW-32-A
1.2
MW-BW-92-A
1.2
MW-BW-95-A
1.4
MW-BW-89-A
0.73
MW-BW-49-A
0.47 J
EISB-EW-09
1.1
MW-BW-66-A
0.53
EW-BW-144-A
MW-BW-28-A
0.58
MW-BW-93-A
0.34 J
MW-BW-60-A
0.32 J
MW-B-14-A
0.52
MW-BW-88-A
0.63
MW-BW-94-AR
0.56
MW-BW-90-A
1.4
MW-BW-58-A
0.26 J
MW-BW-87-A
3.9 J+
EW-BW-160-A
2.1
MW-BW-85-A
1.2 J+
MW-BW-91-A
1.3
MW-BW-56-A
0.25 J
MW-B-12-A
0.32 J
MW-BW-35-A
MW-BW-31-A
0.84
EW-BW-155-A
0.11 J
MW-BW-27-A
EW-BW-140-A
0.97 J+
MW-BW-26-A
3.3 J+
EW-BW-129-A
4.0 J
EW-BW-135-A
MW-BW-17-A
EW-BW-124-A
0.94 J+
MW-BW-24-A
EW-BW-109-A
1.4 J+
EW-BW-166-A



Lexington Court Source Area

N
W
E
S

0 1,000 2,000
Feet

EXPLANATION

- General groundwater flow direction
- Approximate location of the A-Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Lexington Court source area
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with carbon tetrachloride (CT) detection
- Extraction well with no CT detection
- Monitoring well with CT detection
- Monitoring well with CT detection and chloroform above ACL
- Monitoring well with no CT detection and above ACL for chloroform
- Monitoring well with no CT detection
- Extraction well not sampled
- Monitoring well not sampled

1Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume Extent

OUCTP A-Aquifer Hydraulic Zone

- 1
- 2
- 3
- 4
- 5

CT CONCENTRATIONS
A-AQUIFER
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 9

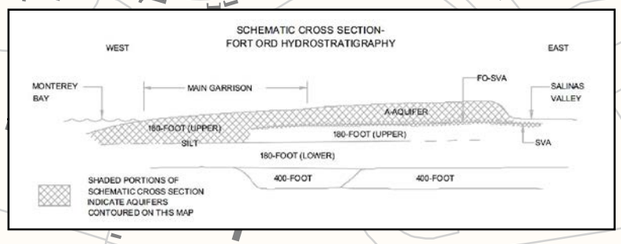
MW-BW-90-A
1.1

Well ID - Bold when CT exceeds the ACL. CT concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Groundwater samples were collected between June 7, 2021 and June 11, 2021.
(2) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.
(3) Contours near wells not sampled this quarter are inferred from previous analytical data.

MW-BW-75-A **2.1**
MW-BW-82-A **0.98**
MW-BW-74-A 0.12 J
MW-BW-65-A 0.32 J
MW-BW-80-A **3.7**
MW-BW-79-A **0.54 J+**
MW-BW-78-A 0.17 J
MW-BW-77-A 0.3 J
EISB-EW-01 0.27 J
MW-BW-36-A 0.17 J
MW-BW-32-A **0.98 J-**
MW-BW-92-A **0.78**
MW-BW-95-A **0.84**
MW-BW-89-A 0.47 J
MW-BW-49-A 0.26 J
EISB-EW-09 **0.97**
MW-BW-66-A 0.46 J
EW-BW-144-A
MW-BW-28-A **0.6**
MW-BW-93-A 0.24 J
MW-B-14-A 0.48 J
MW-BW-60-A 0.3 J
MW-BW-88-A **0.92**
MW-BW-94-AR 0.28 J
MW-B-12-A 0.44 J
MW-BW-35-A
MW-BW-31-A
EW-BW-155-A 0.26 J
MW-BW-27-A
MW-BW-90-A **1.1**
MW-BW-58-A 0.15 J
MW-BW-87-A **3.2**
EW-BW-160-A **1.3**
EW-BW-140-A **0.69 J-**
MW-BW-26-A **2.9 J-**
EW-BW-129-A **2.4 J-**
MW-BW-85-A **0.69**
EW-BW-135-A
MW-BW-17-A
EW-BW-124-A **0.84 J-**
MW-BW-91-A **0.87**
MW-BW-24-A
EW-BW-109-A **0.8**
MW-BW-56-A 0.12 J
EW-BW-166-A
Lexington Court Source Area



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0 1,000 2,000
Feet

EXPLANATION

- General groundwater flow direction
- Approximate location of the A-Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Lexington Court source area
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with carbon tetrachloride (CT) detection
- Extraction well with no CT detection
- Monitoring well wil CT detection
- Monitoring well with no CT detection and above ACL for chloroform
- Monitoring well with no CT detection
- Extraction well not sampled
- Monitoring well not sampled

2Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume extent

OUCTP A-Aquifer Hydraulic Zone

- 1
- 2
- 3
- 4
- 5

CT CONCENTRATIONS
A-AQUIFER
SECOND QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 10

MW-BW-90-A
1.3

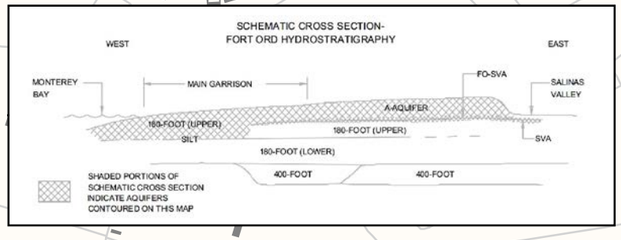
Well ID - Bold when CT exceeds the ACL. CT concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Groundwater samples were collected between August 29, 2021 and September 23, 2021.
(2) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.
(3) Contours near wells not sampled this quarter are inferred from previous analytical data.

MW-BW-75-A 2.3
MW-BW-82-A 1.1
MW-BW-65-A 0.56
MW-BW-80-A 5.4
MW-BW-79-A 0.64
MW-BW-78-A 0.20 J
MW-BW-77-A 0.34 J
EISB-MW-01 0.36 J
EISB-EW-01 0.22 J
MW-BW-66-A 0.37 J
MW-BW-74-A 0.14 J
MW-BW-83-A
MW-BW-49-A 0.32 J
EISB-EW-09 1.1
EISB-EW-02
MW-BW-44-A
MW-BW-42-A
MW-B-12-A 0.23 J
MW-BW-35-A
MW-BW-31-A 0.88
EW-BW-155-A 0.17 J
MW-BW-27-A
MW-BW-30-A
EW-BW-140-A 0.52
MW-BW-26-A 2.5
EW-BW-129-A 2.0
EW-BW-135-A
MW-BW-17-A
EW-BW-124-A 0.43 J
MW-BW-24-A
MP-BW-46-095 0.15 J
EW-BW-109-A 0.32 J
MW-BW-36-A
MW-BW-32-A 1.2
MW-BW-92-A 1.0
MW-BW-95-A 1.1
MW-BW-89-A 0.48 J
EW-BW-144-A
EW-BW-149-A
MW-BW-28-A 0.43 J
MW-BW-15-A
MW-BW-93-A 0.36 J
MW-B-14-A 0.34 J
MW-BW-60-A 0.22 J
EW-BW-132-A
MW-BW-88-A 0.55
MW-BW-94-AR 0.43 J
MW-BW-90-A 1.3
MW-BW-58-A 0.16 J
MW-BW-86-A 0.16 J
MW-BW-87-A 2.4
EW-BW-165-A
EW-BW-160-A 1.3
MW-BW-85-A 0.89
MW-BW-91-A 0.89
EW-BW-169-A
MW-BW-56-A 0.14 J
EW-BW-168-A
EW-BW-166-A
EW-BW-167-A

Lexington Court Source Area



N
W
E
S

0 1,000 2,000
Feet

EXPLANATION

- General groundwater flow direction
- Approximate location of the A-Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Lexington Court source area
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with carbon tetrachloride (CT) detection
- Extraction well with no CT detection
- Monitoring well with CT detection
- Monitoring well with no CT detection and above ACL for Chloroform
- Monitoring well with no CT detection
- Extraction well not sampled
- Monitoring well not sampled

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

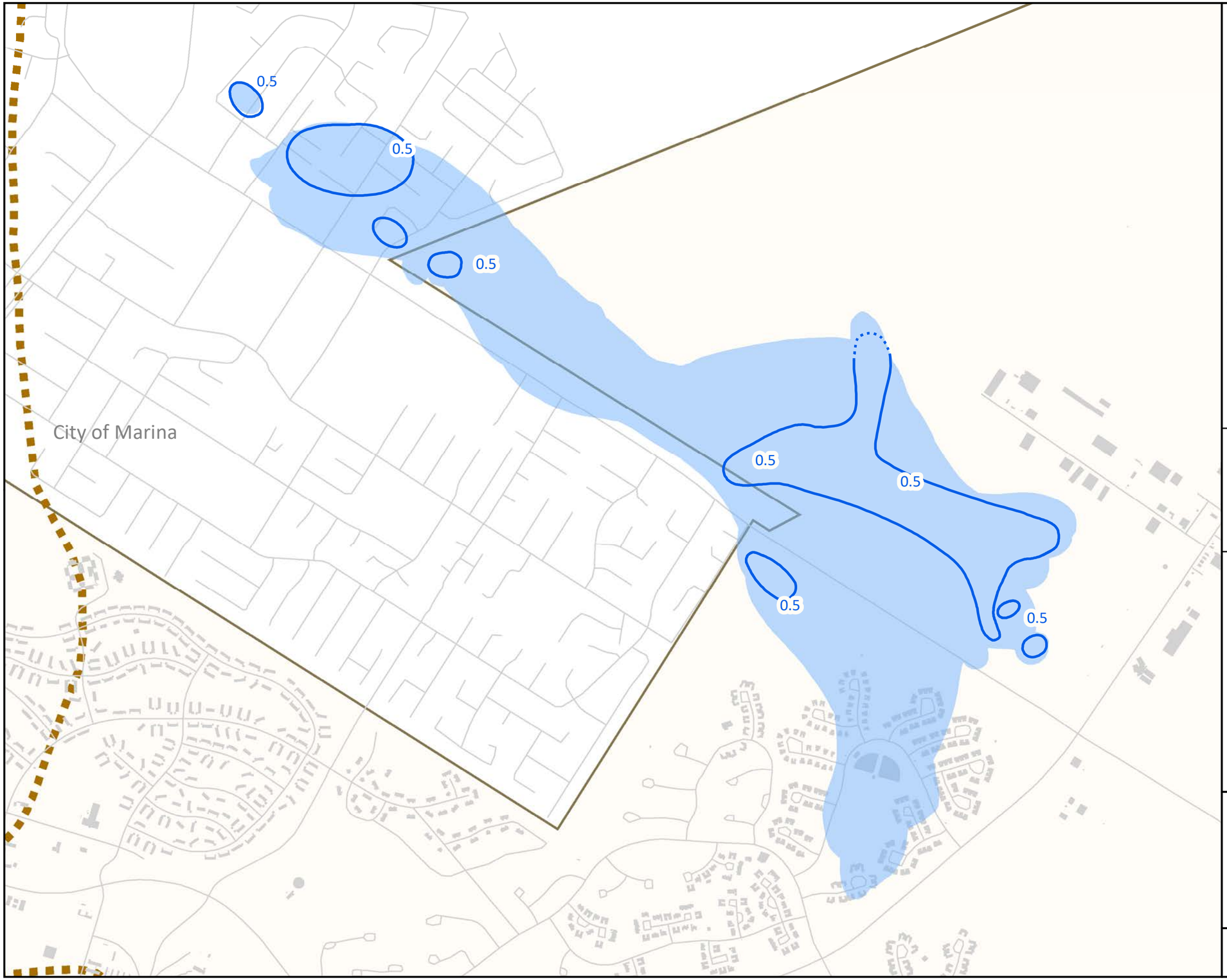
- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume extent

OUCTP A-Aquifer Hydraulic Zone

- 1
- 2
- 3
- 4
- 5

CT CONCENTRATIONS
A-AQUIFER
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 11



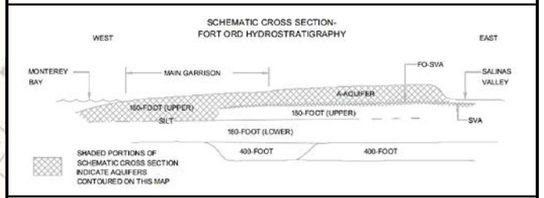
EXPLANATION

- Roads
- Facilities
- Approximate edge of the Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Former Fort Ord boundary

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 3Q2021 estimated CT plume extent
- 0.5 Historical maximum CT plume extent

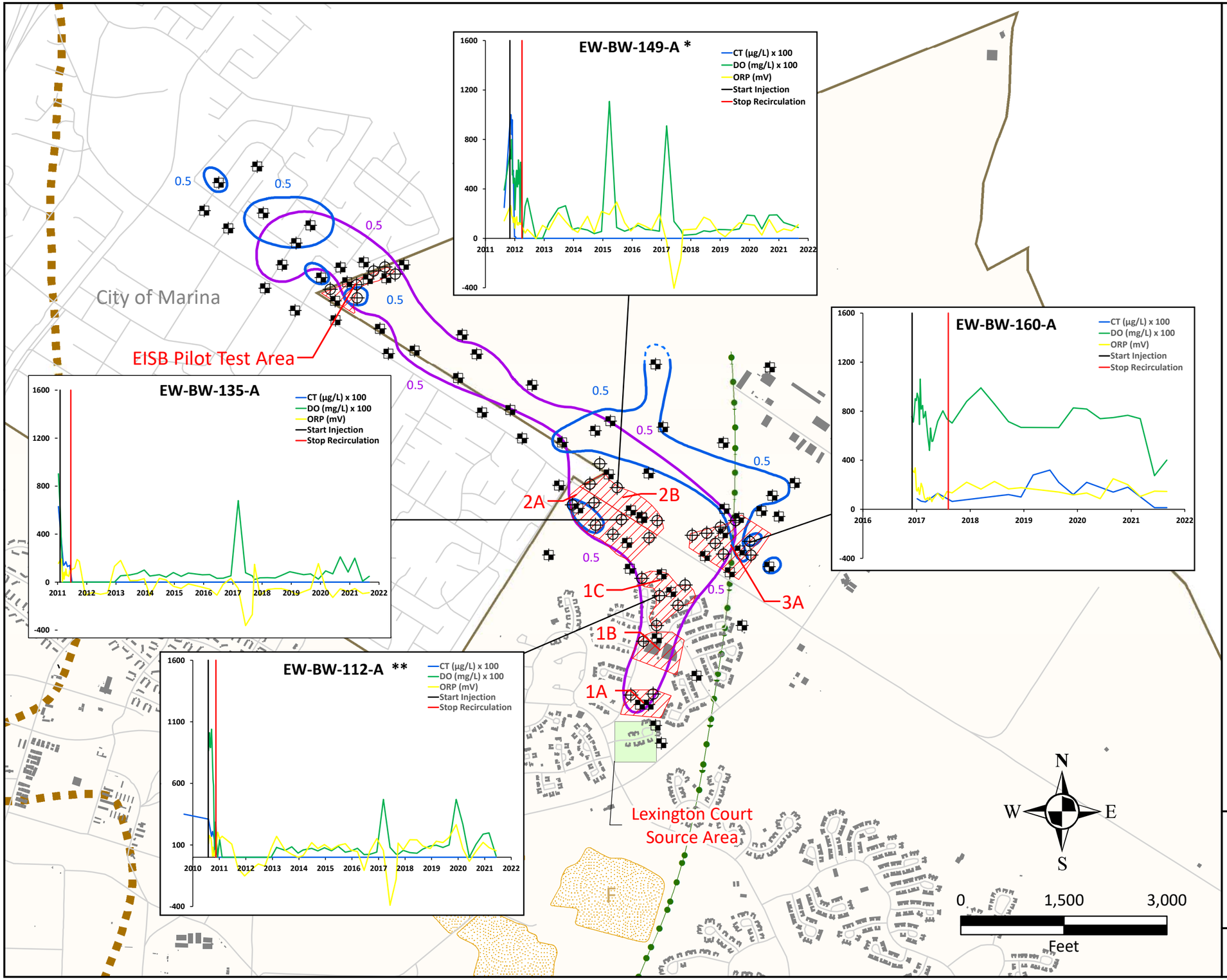
NOTES:
(1) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.



0 1,500 3,000
Feet

CURRENT AND HISTORICAL
MAXIMUM CT ACL EXCEEDANCES
A-AQUIFER
SEPTEMBER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 12



EXPLANATION

- Extraction well
- Monitoring well
- Approximate location of the A-Aquifer groundwater divide
- Approximate edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Roads
- Lexington Court source area
- Enhanced In-Situ Bioremediation (EISB) deployment areas
- Approximate extent of landill areas (Areas B through F)
- Facilities
- Former Fort Ord boundary

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent September 2021
- 0.5 Inferred CT plume extent September 2021
- 0.5 CT plume extent June 2009

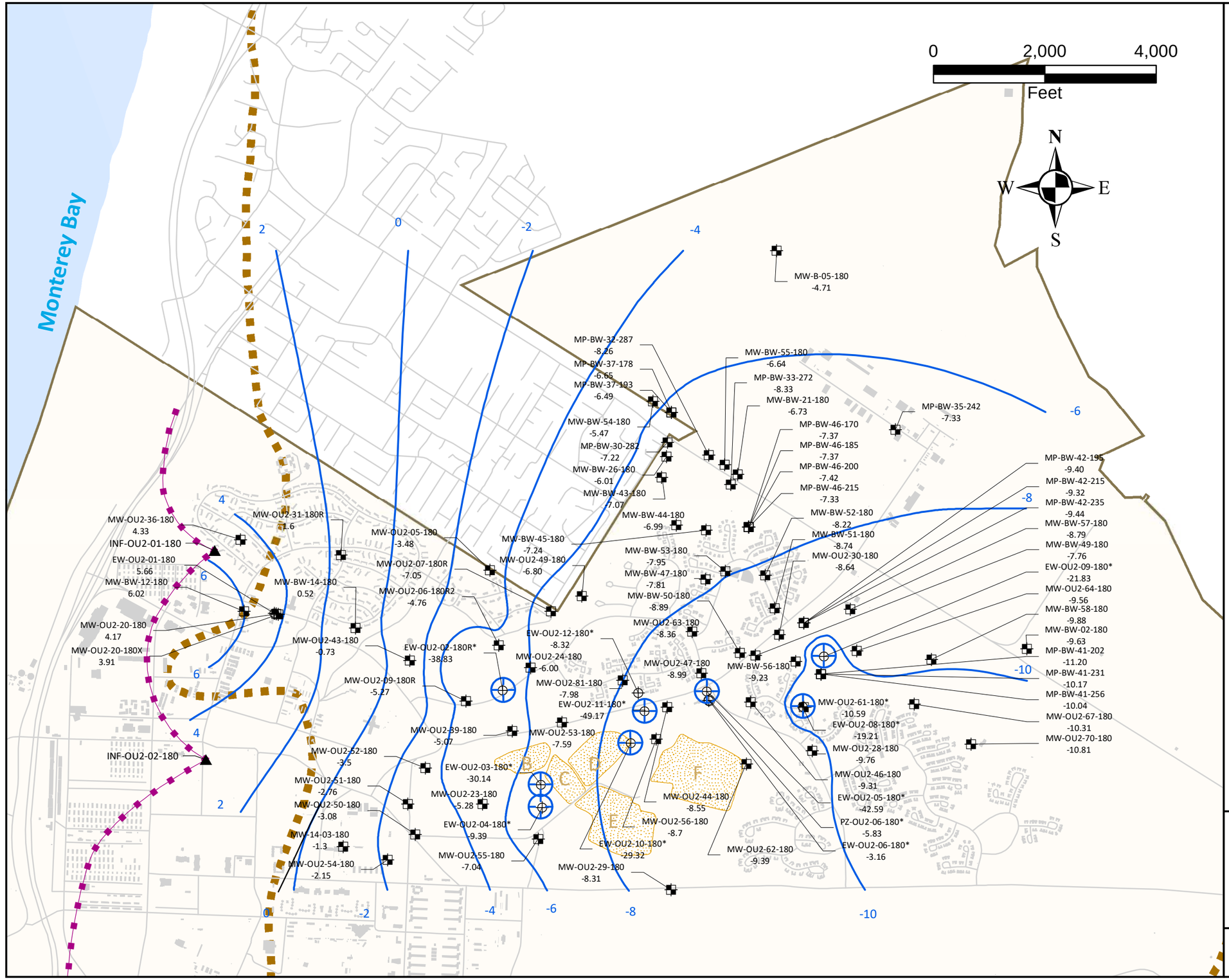
DO	Dissolved Oxygen
ORP	Oxygen Reduction Potential
mg/L	milligrams per Liter
mv	millivolts
*	Anomolous DO reading during 2nd Quarter 2015, due to meter malfunction.
**	CT concentration no longer measured at EW-BW-112-A per QAPP decision

NOTES:

(1) Groundwater samples were collected between August 29, 2021 and September 30, 2021.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.
(4) Contours near wells not sampled this quarter are inferred from previous analytical data.
(5) DO and CT data were normalized (x100) for plotting purposes.

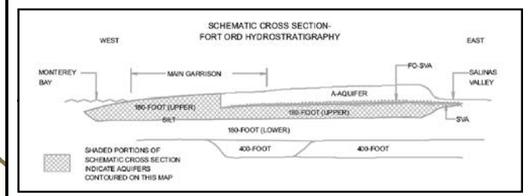
RELATIVE CHANGE IN EISB PARAMETERS OVER TIME AT REPRESENTATIVE DEPLOYMENT AREA WELLS
A-AQUIFER
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 13



EXPLANATION

- Extraction well
- Monitoring well
- Piezometer
- Infilitration well
- Groundwater elevation contour
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- nm Water level not measured this quarter
- * Water level not used for contouring
- Location of a groundwater depression
- MW-B-05-180 -4.71 Station ID and Groundwater Elevation (feet)

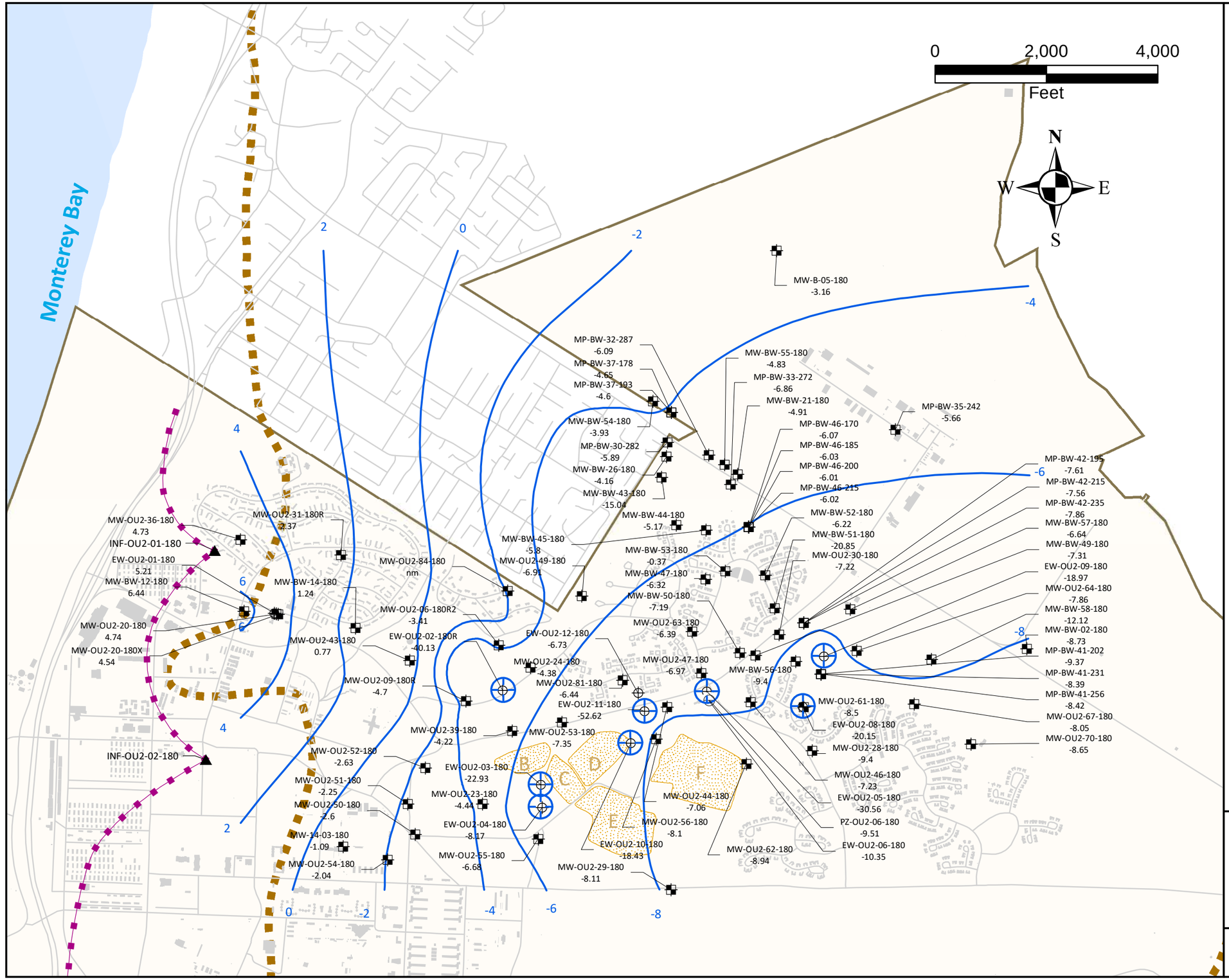


Notes:

(1) Water levels were measured between November 16, 2020 and December 11, 2020.
(2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Groundwater elevations are relative to NGVD 1929.
(4) Monitoring wells presented are a part of the basewide monitoring network.

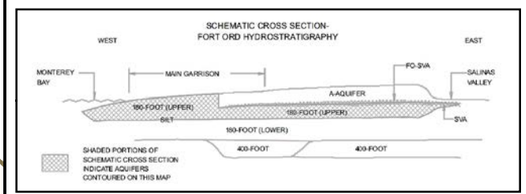
GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/01/2021	Figure: 14



EXPLANATION

- Extraction well
- Monitoring well
- Piezometer
- Infilitration well
- Groundwater elevation contour
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- nm — Water level not measured this quarter
- * — Water level not used for contouring
- Location of a groundwater depression
- MW-B-05-180 -3.16 — Station ID and Groundwater Elevation (feet)



Notes:

(1) Water levels were measured between March 1, 2021 and March 5, 2021.
(2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Groundwater elevations are relative to NGVD 1929.
(4) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 15

Monterey Bay

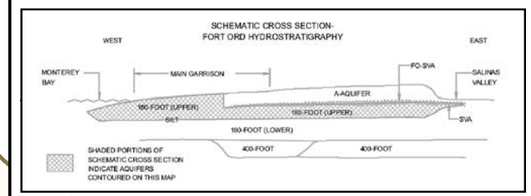
0 2,000 4,000
Feet

N
W E
S

MW-B-05-180 -3.38
MP-BW-32-287 -10.02
MP-BW-37-178 -6.54
MP-BW-37-193 -6.31
MW-BW-54-180 -5.92
MP-BW-30-282 -9.46
MW-BW-26-180 -6.99
MW-BW-43-180 -7.53
MW-BW-55-180 -7.03
MP-BW-33-272 -9.93
MW-BW-21-180 -7.07
MP-BW-35-242 -6.94
MP-BW-46-170 -8.01
MP-BW-46-185 -7.92
MP-BW-46-200 -7.97
MP-BW-46-215 -7.91
MW-BW-52-180 -8.93
MW-BW-51-180 -9.41
MW-OU2-30-180 -9.56
MW-BW-44-180 -3.96
MW-BW-45-180 -11.09
MW-OU2-49-180 -7.97
MW-BW-53-180 -8.81
MW-BW-47-180 -9.07
MW-BW-50-180 -9.59
MW-OU2-63-180 -9.16
MW-OU2-47-180 -9.5
MW-BW-56-180 -10.2
MP-BW-42-195 -9.8
MP-BW-42-215 -9.8
MP-BW-42-235 -10.39
MW-BW-57-180 -6.75
MW-BW-49-180 -7.54
EW-OU2-09-180 -24.77
MW-OU2-64-180 -10.66
MW-BW-58-180 -10.53
MW-BW-02-180 -9.3
MP-BW-41-202 -11.56
MP-BW-41-231 -10.65
MP-BW-41-256 -10.54
MW-OU2-67-180 -11.6
MW-OU2-70-180 -11.9
MW-OU2-61-180 -10.97
EW-OU2-08-180 -21.41
MW-OU2-28-180 -8.48
MW-OU2-46-180 -9.65
EW-OU2-05-180 -35.59
PZ-OU2-06-180 -11.52
EW-OU2-06-180 -12.75
MW-OU2-62-180 -9.46
MW-OU2-44-180 -8.9
MW-OU2-56-180 -8.09
EW-OU2-10-180 -8.65
MW-OU2-29-180 -8.32
EW-OU2-12-180 -8.75
MW-OU2-24-180 -6.59
MW-OU2-81-180 -6.63
EW-OU2-11-180 -50.98
MW-OU2-53-180 -7.95
EW-OU2-03-180 -32.84
MW-OU2-23-180 -5.56
EW-OU2-04-180 -6.82
MW-OU2-55-180 -7.02
MW-OU2-39-180 -5.71
MW-OU2-52-180 -3.73
MW-OU2-51-180 -3.05
MW-OU2-50-180 -3.25
MW-14-03-180 -1.22
MW-OU2-54-180 -2.11
MW-OU2-84-180 nm
MW-OU2-06-180R2 -5.32
EW-OU2-02-180R -14.98
MW-OU2-09-180R -5.4
MW-OU2-43-180 -1.06
MW-BW-14-180 1.21
MW-OU2-31-180R 1.84
MW-OU2-36-180 4.48
INF-OU2-01-180
EW-OU2-01-180 4.69
MW-BW-12-180 5.97
MW-OU2-20-180 4.03
MW-OU2-20-180X 3.97
INF-OU2-02-180
B C D E F
2 0 -2 -4 -6 -8 -10 4 2 0 -2 -4 -6 -8 -10

EXPLANATION

- Extraction well
- Monitoring well
- Piezometer
- Infilitration well
- Groundwater elevation
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- nm Water level not measured this quarter
- * Water level not used for contouring
- Location of a groundwater depression
- MW-B-05-180 -3.38 Station ID and Groundwater Elevation (feet)

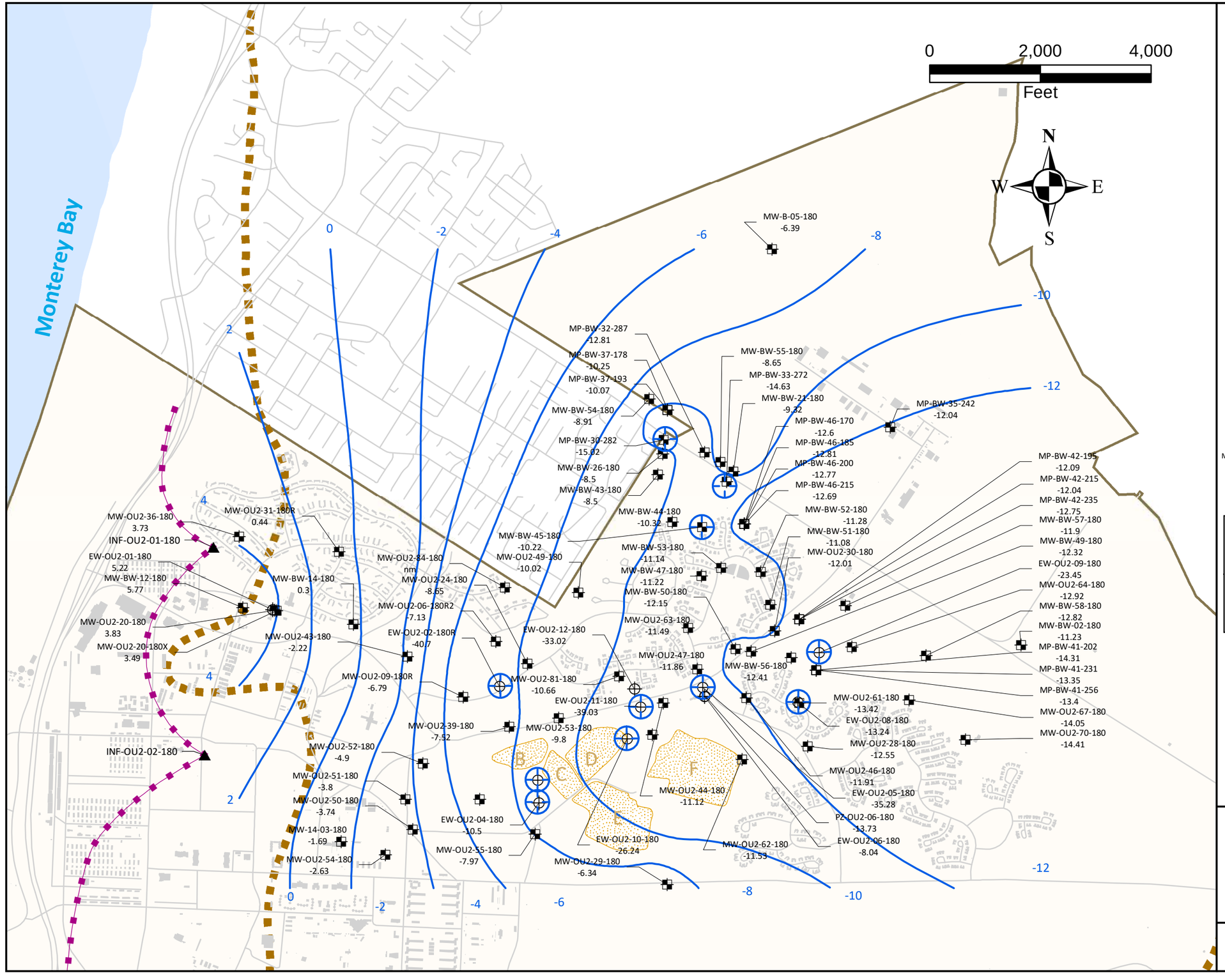


Notes:

(1) MW-OU2-84-180; Top of casing is unknown.
(2) Water levels were measured between June 7, 2021 and June 11, 2021.
(3) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(4) Groundwater elevations are relative to NGVD 1929.
(5) Monitoring wells presented are a part of the basewide monitoring network.

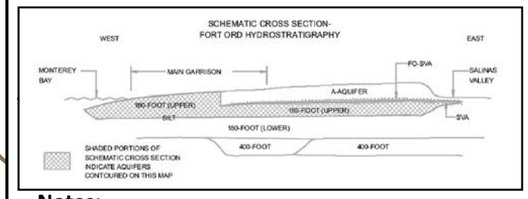
GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
SECOND QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 16



EXPLANATION

- Extraction well
- Monitoring well
- Piezometer
- Infilitration well
- Groundwater elevation contour
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- nm — Water level not measured this quarter
- * — Water level not used for contouring
- Location of a groundwater depression
- MW-B-05-180 -6.39 — Station ID and Groundwater Elevation (feet)

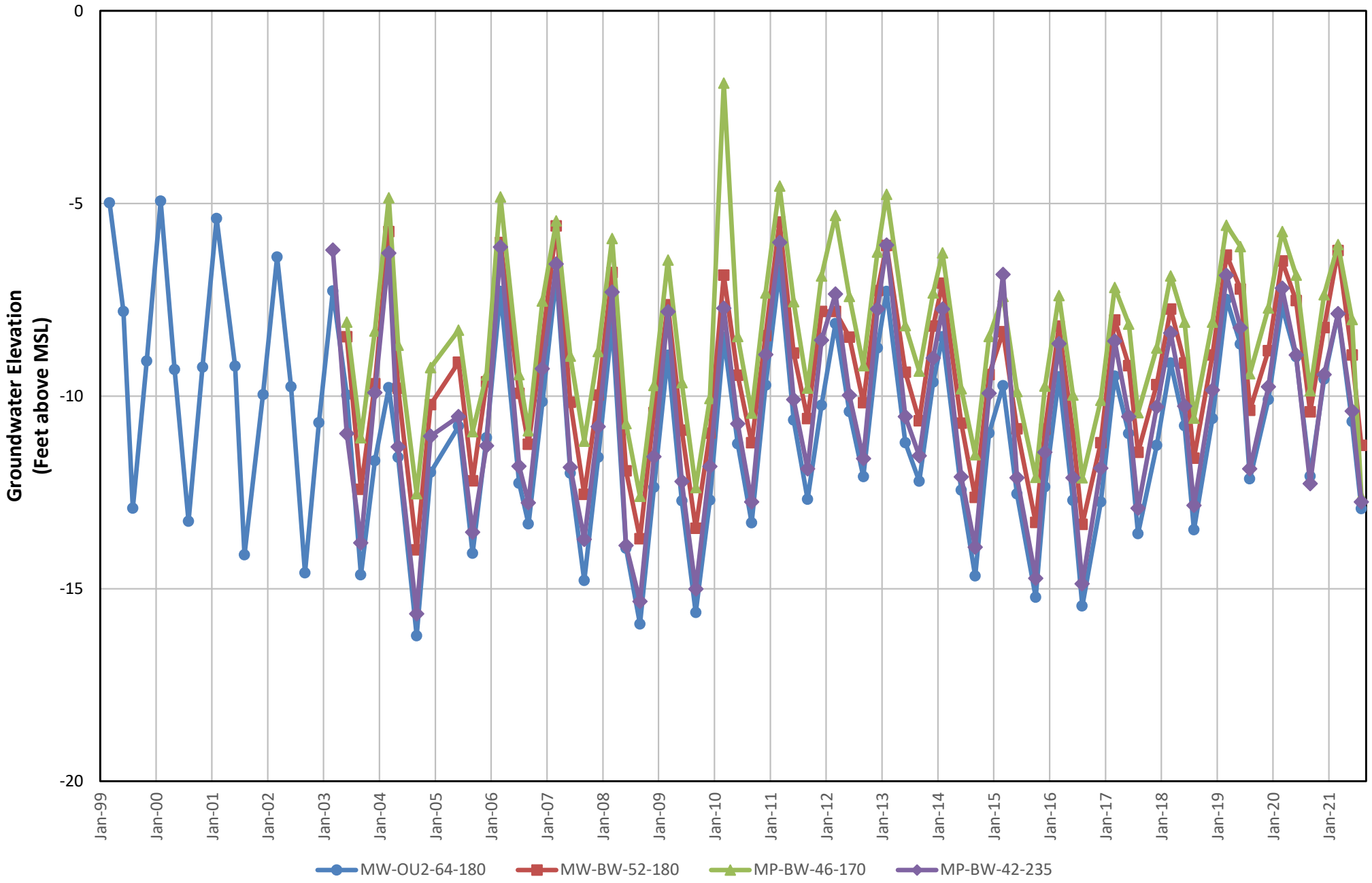


Notes:

(1) MW-OU2-84-180; Top of casing is unknown.
(2) Water levels were measured between August 29, 2021 and September 23, 2021.
(3) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(4) Groundwater elevations are relative to NGVD 1929.
(5) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 17



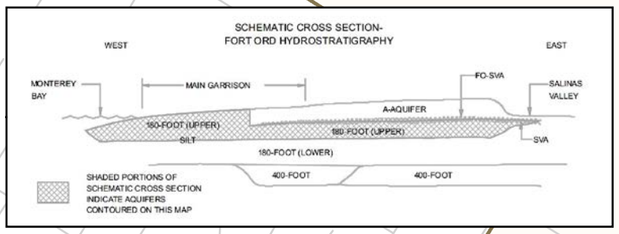
Ahtna

Hydrographs of Representative Upper 180-Foot Aquifer Wells
March 1999 to September 2021

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

18



0 1,000 2,000

Feet

N

W E

S

MW-BW-21-180
CT: 0.04 J

MW-BW-43-180

MP-BW-46-170
5.2

0.5

MW-BW-57-180
0.82

MW-BW-52-180
0.70

MW-OU2-64-180
6.8

MW-OU2-30-180

EW-OU2-09-180
CT: 0.03 J

0.5

MW-OU2-67-180

B

C

D

E

F

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and CT

- Extraction well with carbon tetrachloride (CT) detected
- Monitoring well with CT detected
- Monitoring well with no CT detected
- Monitoring well not sampled

4Q2020 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in g/L.

0.5 — Carbon tetrachloride (CT) plume extent

OUCTP Upper 180-Foot Aquifer Hydraulic Zone

- 6

MW-OU2-64-180
6.8

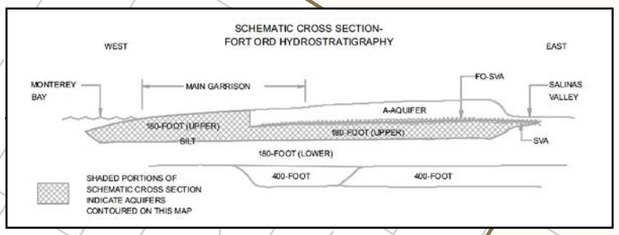
Well ID - Bold When Concentration Exceeds the ACL for CT
CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Samples were collected between December 7, 2020 and December 11, 2020.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
(4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
UPPER 180-FOOT AQUIFER
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 19



0 1,000 2,000

Feet

N

W E

S

MW-BW-21-180
0.16 J

MW-BW-43-180

MP-BW-46-170
6.4 J+

0.5

MW-BW-57-180
0.70

MW-BW-52-180
0.67 J+

MW-OU2-64-180
8.7 J+

EW-OU2-09-180

0.5

MW-OU2-67-180

B

C

D

E

F

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and CT Detection

- Extraction well with no carbon tetrachloride (CT) detected
- Monitoring well with CT detected
- Monitoring well with no CT detected
- Monitoring well not sampled

1Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

0.5 — Carbon tetrachloride (CT) plume extent

OUCTP Upper 180-Foot Aquifer Hydraulic Zone

- 6

MW-OU2-64-180
8.7 J+

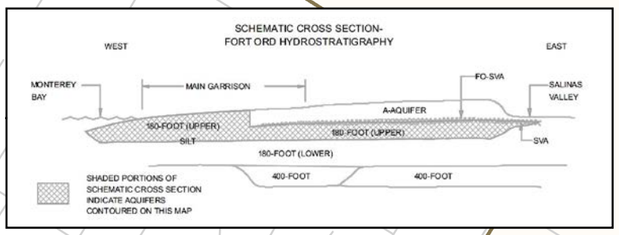
Well ID - Bold When Concentration Exceeds the ACL for CT
CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Samples were collected between March 1, 2021 and March 5, 2021.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
(4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
UPPER 180-FOOT AQUIFER
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 20



0 1,000 2,000

Feet

N

W E

S

MW-BW-21-180
0.22 J

MW-BW-43-180

MP-BW-46-170
5.2

0.5

MW-BW-52-180
0.6 J+

MW-BW-57-180
0.6

MW-OU2-64-180
5.3 J+

EW-OU2-09-180

0.5

MW-OU2-67-180

B

C

D

E

F

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and CT Detection

- Extraction well with no carbon tetrachloride (CT) detected
- Monitoring well with CT detected
- Monitoring well with no CT detected
- Monitoring well not sampled

2Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

0.5 — Carbon tetrachloride (CT) plume extent

OUCTP Upper 180-Foot Aquifer Hydraulic Zone

6

MW-OU2-64-180
5.3 J+

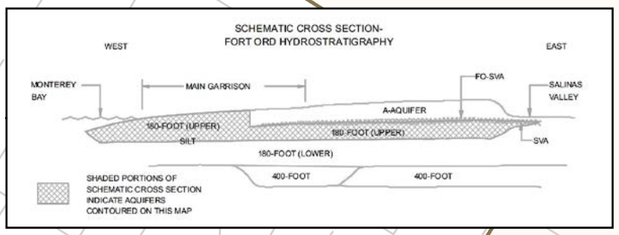
Well ID - Bold When Concentration Exceeds the ACL for CT
CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Samples were collected between June 7, 2021 and June 11, 2021.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
(4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
UPPER 180-FOOT AQUIFER
SECOND QUARTER 2021
Operasble Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 21



0 1,000 2,000

Feet

N

W E

S

MW-BW-21-180

MW-BW-43-180

MP-BW-46-170
6.2 J+

0.5

MW-BW-52-180
0.53

MW-BW-57-180
0.30 J

MW-OU2-64-180
3.5 J+

0.5

EW-OU2-09-180

MW-BW-58-180

MW-BW-02-180

MW-OU2-67-180

MW-OU2-70-180

B

C

D

E

F

EXPLANATION

General groundwater flow direction

Roads

Facilities

Approximate extent of landfill areas (Areas B through F)

Former Fort Ord boundary

Well Type and CT Detection

Extraction well with no carbon tetrachloride (CT) detected

Monitoring welll with CT detected

Monitoring well with no CT detected

Monitoring well not sampled

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

0.5 Carbon tetrachloride (CT) plume extent

OUCTP Upper 180-Foot Aquifer Hydraulic Zone

6

MW-OU2-64-180
3.5 J+

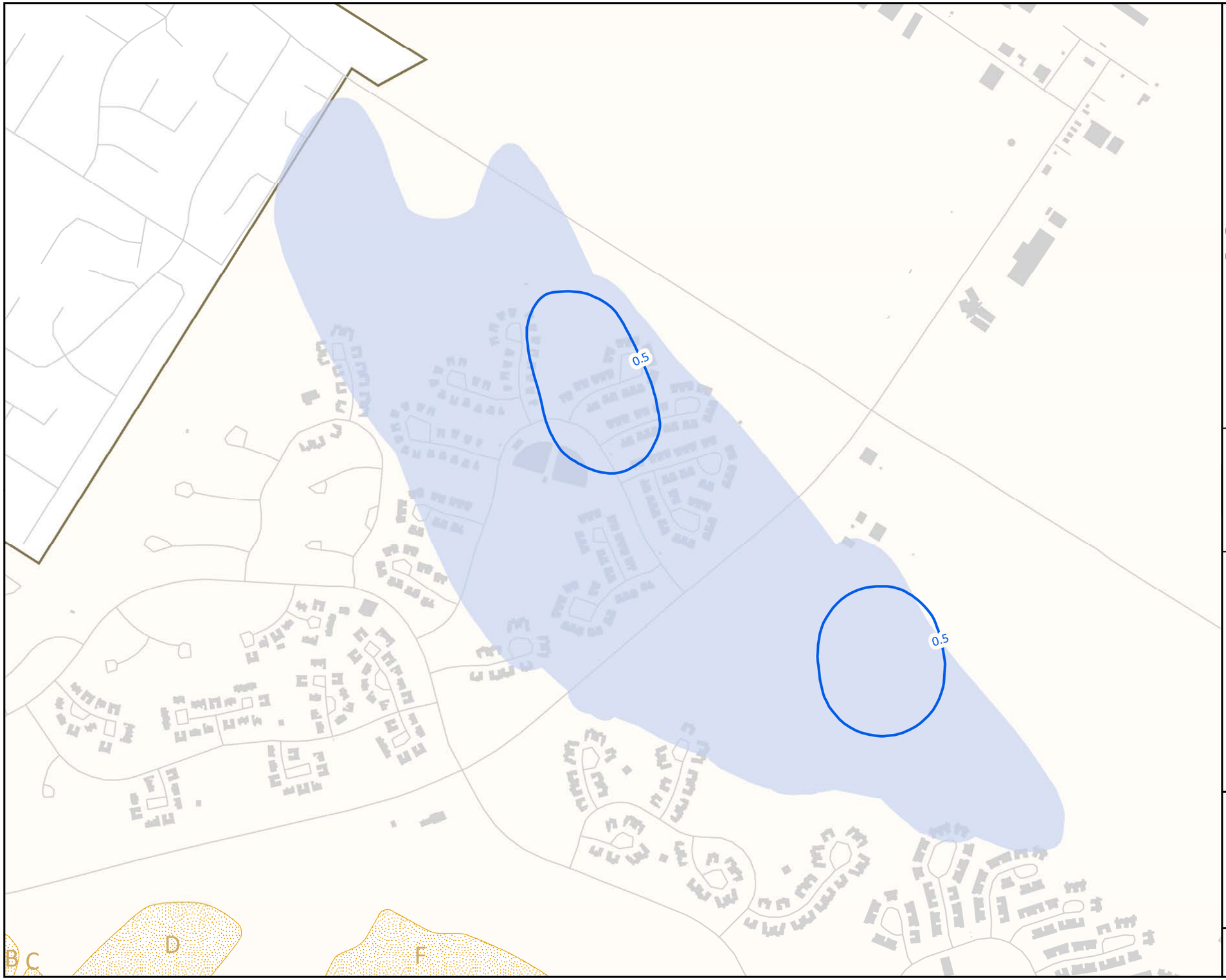
Well ID - Bold When Concentration Exceeds the ACL for CT
CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

(1) Samples were collected between August 29, 2021 and September 23, 2021.
(2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
(4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
UPPER 180-FOOT AQUIFER
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 22



EXPLANATION

- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

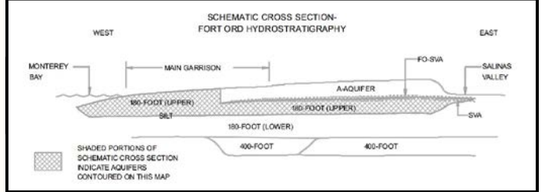
Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contours in µg/L.

0.5 — 3Q2021 carbon tetrachloride (CT) plume extent

0.5 — Historical maximum CT plume extent

NOTES:

(1) Contours are base on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.

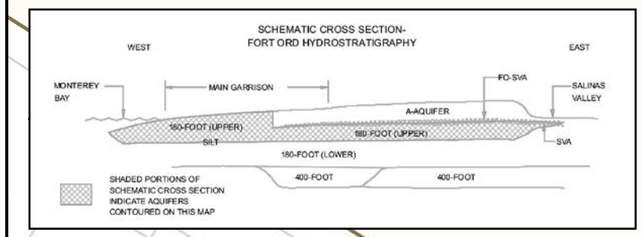


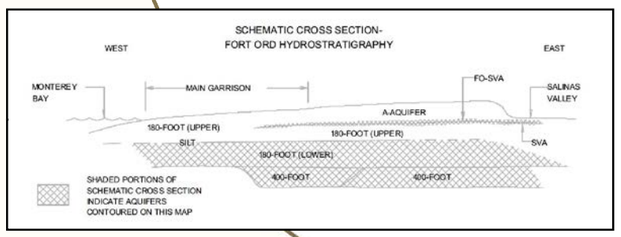
0 750 1,500

Feet

CURRENT AND HISTORICAL
MAXIMUM CT ACL EXCEEDANCES
UPPER 180-FOOT AQUIFER
SEPTEMBER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna	Date: 11/1/2021	Figure: 23





MP-BW-31-292
Lower 180-Foot

AIRFIELD
Lower 180-Foot
CT: 0.39 J

MW-BW-21-180
Upper 180-Foot

MW-BW-43-180
Upper 180-Foot

MP-BW-46-170
Upper 180-Foot
CT: 6.2 J+

MW-BW-52-180
Upper 180-Foot
CT: 0.53

MP-BW-42-345
Lower 180-Foot

MW-OU2-64-180
Upper 180-Foot
CT: 3.5 J+

EW-OU2-09-180
Upper 180-Foot

MP-BW-41-318
Lower 180-Foot

MP-BW-41-353
Lower 180-Foot

EW-OU2-07-180
Lower 180-Foot

MW-OU2-78-180
Lower 180-Foot

MW-BW-59-180
Lower 180-Foot
CT: 0.14 J

MW-OU2-82-180
Lower 180-Foot

MW-OU2-66-180
Lower 180-Foot

MW-BW-57-180
Upper 180-Foot
CT: 0.30 J

MP-BW-49-287
Lower 180-Foot
CT: 0.31 J

MP-BW-49-316
Lower 180-Foot
CT: 3.0 J+

MP-BW-49-368
Lower 180-Foot

MP-BW-49-400
Lower 180-Foot

MW-BW-58-180
Upper 180-Foot

MP-BW-50-339
Lower 180-Foot
CT: 1.2

MP-BW-50-384
Lower 180-Foot

MW-BW-04-180
Lower 180-Foot
CT: 0.44 J

MW-BW-02-180
Upper 180-Foot

FO-30
Lower 180-Foot
CT: 0.24 J

MP-BW-51-405
Lower 180-Foot
CT: 0.16 J

MW-OU2-70-180
Upper 180-Foot

MW-OU2-72-180
Lower 180-Foot

FO-29
Lower 180-Foot
CT: 0.17 J

MW-OU2-69-180
Lower 180-Foot
CT: 1.1 J+

MW-OU2-67-180
Upper 180-Foot

FO-31
Lower 180-Foot
not sampled

0.5

0.5

0.5

B
C
D
E
F

N
W
E
S

0 1,500 3,000
Feet

EXPLANATION

- General groundwater flow direction in the Lower 180-Foot Aquifer
- General groundwater flow direction in the Upper 180-Foot Aquifer
- Roads
- Suspected discontinuity in the Intermediate 180-Foot Aquitard
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type, Aquifer, and CT Detection

- OUCTP extraction well: carbon tetrachloride (CT) not detected
- OUCTP Upper-180 Foot Aquifer monitoring well: CT detected
- OUCTP Lower-180 Foot Aquifer monitoring well: CT detected
- OUCTP monitoring well: CT not detected
- Marina Coast active supply well: CT detected
- Marina Coast inactive supply well: well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contours in µg/L.

- 0.5 — 3Q2021 OUCTP Upper 180-Foot Aquifer CT plume extent
- 0.5 — 3Q2021 OUCTP Lower 180-Foot Aquifer CT plume extent

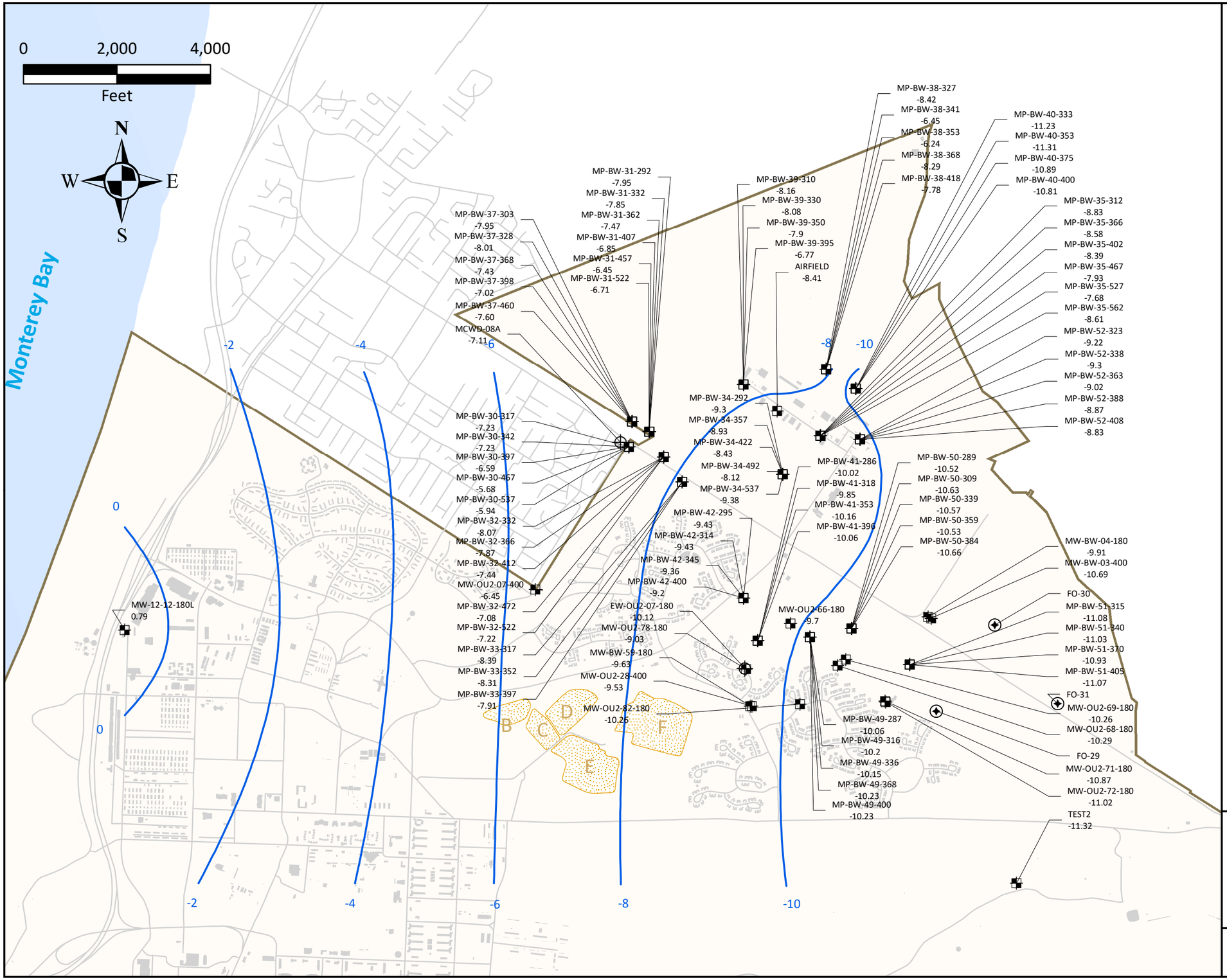
MP-BW-51-405
Lower 180-Foot
CT: 0.16 J

Well ID and Aquifer
Concentration in µg/L and validation/lab qualifier. (blue indicates Upper 180-Foot Aquifer; pink indicates Lower 180-Foot Aquifer)
CT Bold when COC exceeds the ACL.

NOTES:
(1) Groundwater samples were collected between August 29, 2021 and September 23rd, 2021.
(2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.

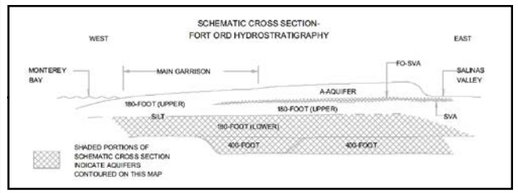
CT CONCENTRATIONS
UPPER 180-FOOT AND
LOWER 180-FOOT/400-FOOT AQUIFERS
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 24



EXPLANATION

- Extraction well
- Monitoring well
- Marina Coast active supply well
- Groundwater elevation contour
- Roads
- Facilities
- Approximate Extent of Landfill Areas (Areas B through F)
- Former Fort Ord boundary



NOTES:

(1) Water Levels were measured between November 16, 2020 and December 7, 2020.

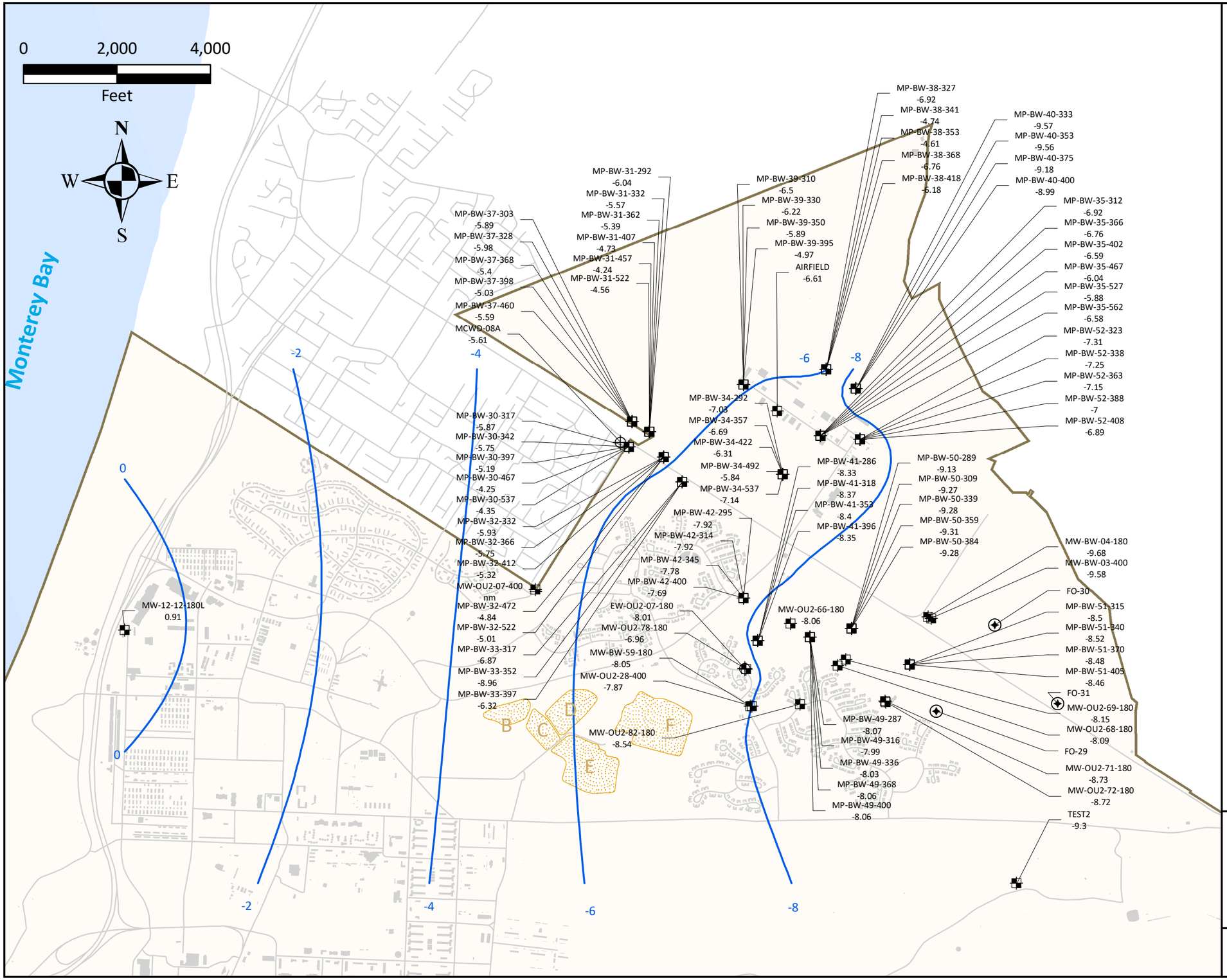
(2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.

(3) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.

(4) Groundwater elevations are based on NGVD 1929.

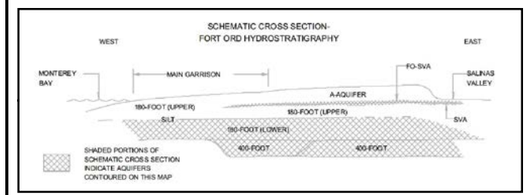
GROUNDWATER ELEVATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 25



EXPLANATION

- Extraction well
- Monitoring well
- Marina Coast active supply well
- Groundwater elevation contour
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary



NOTES:

(1) Water Levels were measured between March 1, 2021 and March 5, 2021.

(2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.

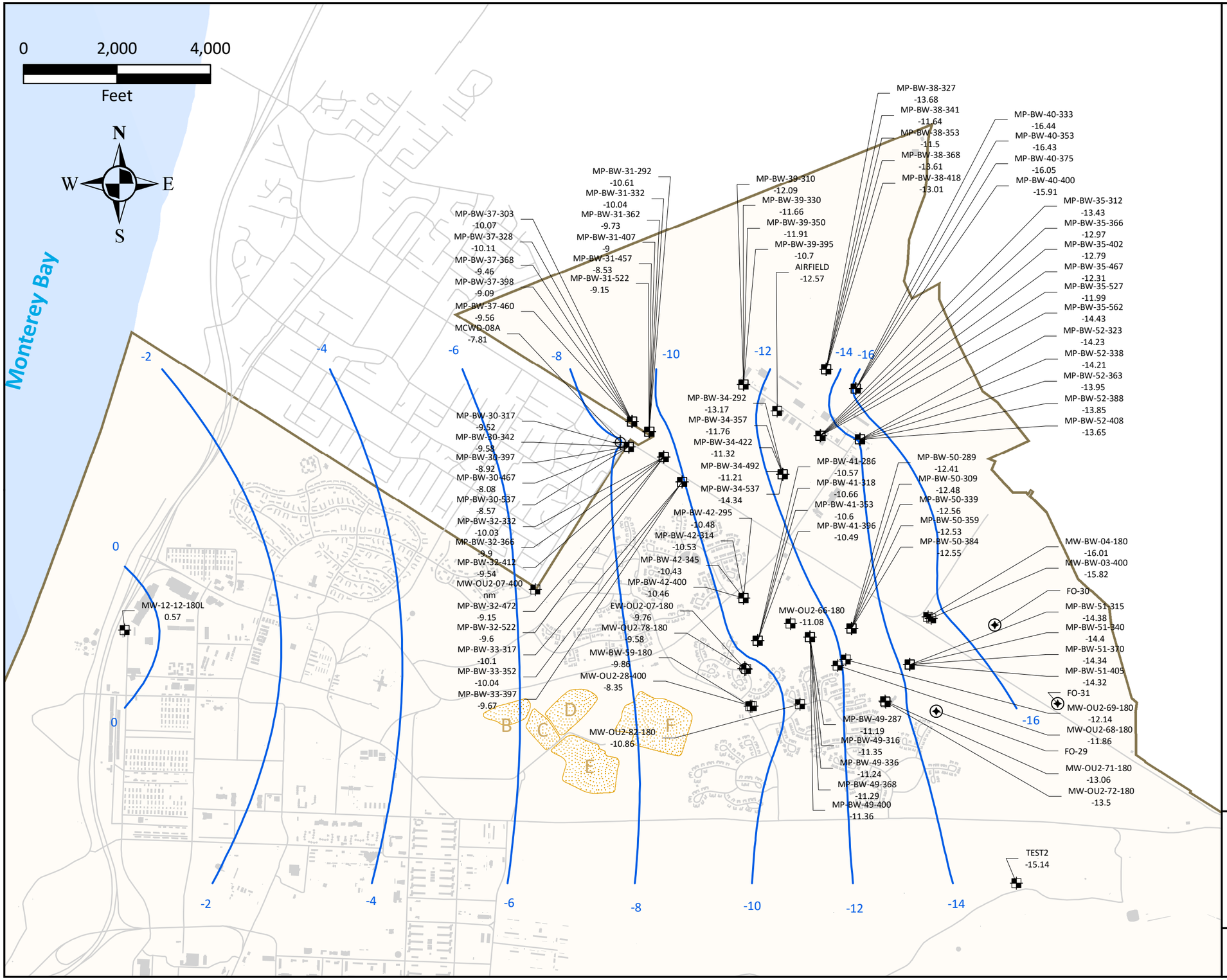
(3) MW-OU2-07-400; was inaccessible due to construction.

(4) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.

(5) Groundwater elevations are based on NGVD 1929.

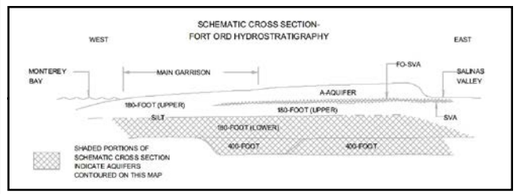
GROUNDWATER ELEVATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 26



EXPLANATION

- Extraction well
- Monitoring well
- Marina Coast active supply well
- Groundwater elevation contour
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary



NOTES:

(1) Water Levels were measured between June 7, 2021 and June 11, 2021.

(2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.

(3) MW-OU2-07-400; was inaccessible due to construction.

(4) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.

(5) Groundwater elevations are based on NGVD 1929.

GROUNDWATER ELEVATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
SECOND QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 27

0 2,000 4,000

Feet

N

W E

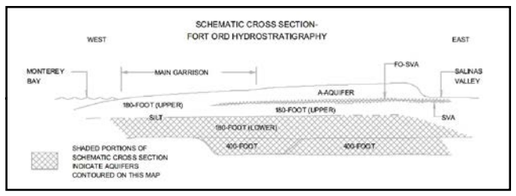
S

Monterey Bay

MP-BW-37-303 -14.38
MP-BW-37-328 -14.4
MP-BW-37-368 -13.87
MP-BW-37-398 -13.45
MP-BW-37-460 -14.06
MCWD-08A 12.21
MP-BW-31-292 -14.2
MP-BW-31-332 -13.5
MP-BW-31-362 -13.23
MP-BW-31-407 -12.57
MP-BW-31-457 -12.24
MP-BW-31-522 -13.35
MP-BW-38-327 -17.46
MP-BW-38-341 -15.68
MP-BW-38-353 -15.49
MP-BW-38-368 -17.56
MP-BW-38-418 -17.05
MP-BW-39-310 -18.25
MP-BW-39-330 -18.03
MP-BW-39-350 -17.93
MP-BW-39-395 -16.81
AIRFIELD -15.91
MP-BW-40-333 -22.74
MP-BW-40-353 -22.71
MP-BW-40-375 -22.4
MP-BW-40-400 -22.28
MP-BW-35-312 -19.88
MP-BW-35-366 -19.38
MP-BW-35-402 -19.25
MP-BW-35-467 -18.82
MP-BW-35-527 -18.45
MP-BW-35-562 -21.23
MP-BW-52-323 -20.34
MP-BW-52-338 -20.14
MP-BW-52-363 -20.02
MP-BW-52-388 -19.9
MP-BW-52-408 -19.78
MP-BW-30-317 -15.16
MP-BW-30-342 -15.12
MP-BW-30-397 -14.58
MP-BW-30-467 -13.76
MP-BW-30-537 -14.34
MP-BW-32-332 -12.87
MP-BW-32-366 -12.65
MP-BW-32-412 -12.36
MW-OU2-07-400 nm
MP-BW-32-472 -12.08
MP-BW-32-522 -12.85
MP-BW-33-317 -14.8
MP-BW-33-352 -14.72
MP-BW-33-397 -14.49
MP-BW-34-292 -18.06
MP-BW-34-357 -16.54
MP-BW-34-422 -16.09
MP-BW-34-492 -16.01
MP-BW-34-537 -19.43
MP-BW-42-295 -12.74
MP-BW-42-314 -12.86
MP-BW-42-345 -12.74
MP-BW-42-400 -12.76
EW-OU2-07-180 -13.11
MW-OU2-78-180 -12.01
MW-BW-59-180 -12.35
MW-OU2-28-400 -12.22
MW-OU2-82-180 -13.6
MW-OU2-66-180 -13.42
MP-BW-41-286 -13.29
MP-BW-41-318 -13.4
MP-BW-41-353 -13.34
MP-BW-41-396 -13.29
MP-BW-49-287 -14.7
MP-BW-49-316 -14.81
MP-BW-49-336 -14.84
MP-BW-49-368 -14.98
MP-BW-49-400 -15.01
MP-BW-50-289 -15.22
MP-BW-50-309 -15.27
MP-BW-50-339 -15.37
MP-BW-50-359 -15.44
MP-BW-50-384 -15.5
MW-BW-04-180 -16.81
MW-BW-03-400 -16.73
FO-30
MP-BW-51-315 -18.51
MP-BW-51-340 -18.44
MP-BW-51-370 -18.52
MP-BW-51-405 -18.48
FO-31
MW-OU2-69-180 -14.55
MW-OU2-68-180 -14.2
FO-29
MW-OU2-71-180 -15.56
MW-OU2-72-180 -15.84
MW-12-12-180L -0.36
TEST2 -16.83
B
C
D
E
F
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20

EXPLANATION

- Extraction well
- Monitoring well
- Marina Coast active supply well
- Groundwater elevation contour
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

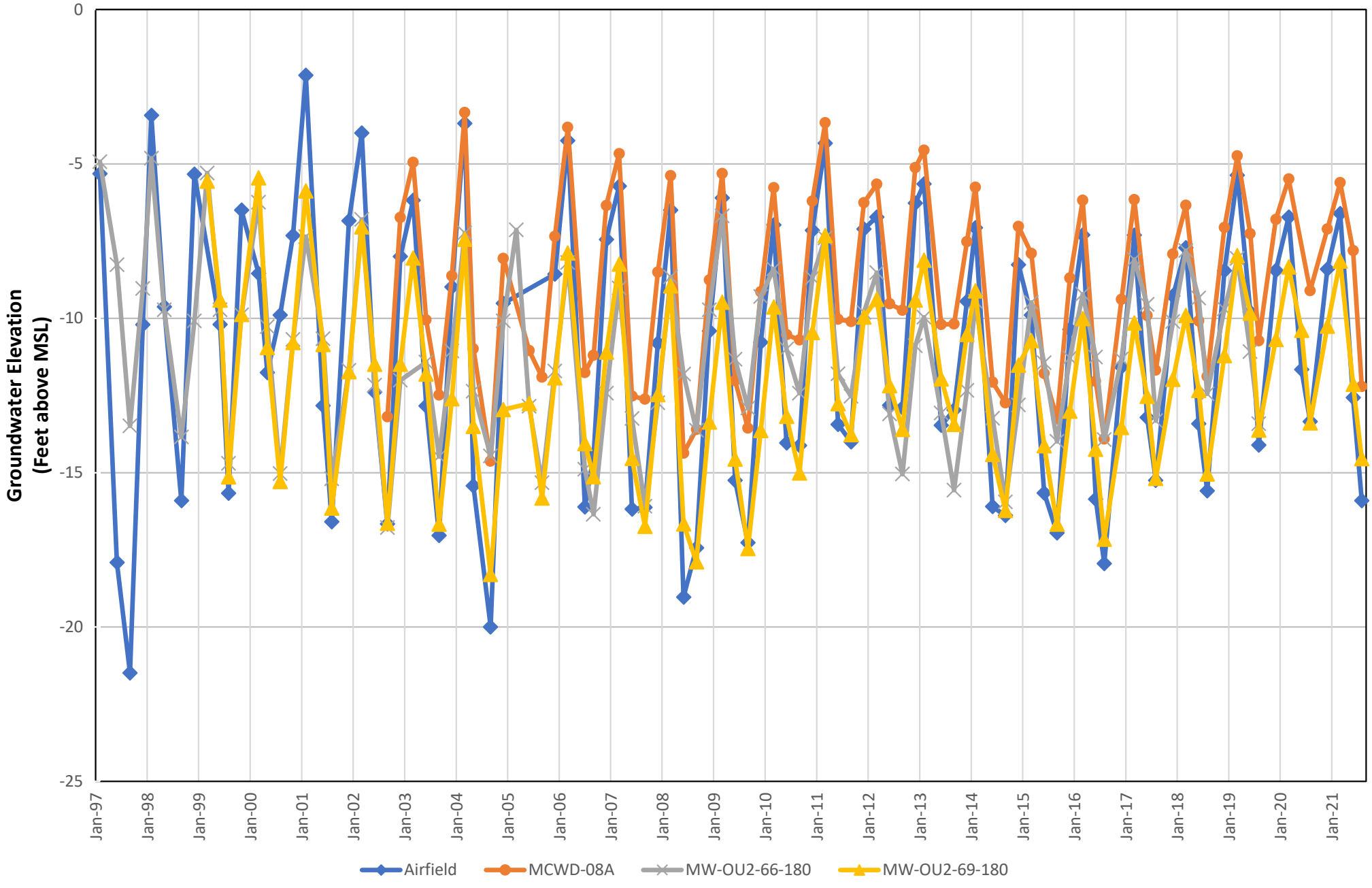


NOTES:

(1) Water Levels were measured between August 29, 2021 and September 23, 2021.
(2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
(3) MW-OU2-07-400; was inaccessible due to construction.
(4) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.
(5) Groundwater elevations are based on NGVD 1929.

GROUNDWATER ELEVATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 28



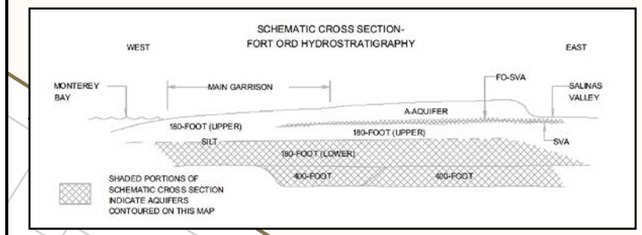
Ahtna

Hydrographs of Representative Lower 180-Foot Aquifer Wells
February 1997 to September 2021

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

29



AIRFIELD

MP-BW-49-287
CT: 0.33

MP-BW-49-316
CT: 1.9

MP-BW-49-368
CT: 0.04 J
TCE: 0.73

MP-BW-49-400
TCE: 4.0

MW-OU2-66-180
CT: 0.03 J
TCE: 0.3

MP-BW-42-345
TCE: 0.79

MP-BW-50-339
CT: 0.31

MP-BW-50-384
CT: 0.06 J
TCE: 1.6

MP-BW-41-318

MP-BW-41-353

MW-OU2-69-180
CT: 0.96

0.5

MP-BW-51-405
CT: 0.13 J
TCE: 1.7

EW-OU2-07-180
CT: 0.03 J
TCE: 3.0

MW-OU2-78-180
TCE: 2.1

MW-OU2-72-180
TCE: 1.4

MW-OU2-82-180
CT: 0.04 J
TCE: 4.0 J

5.0

MW-BW-59-180
CT: 0.08 J
TCE: 8.9

FO-30
CT: 0.17 J
TCE: 0.38

FO-31
CT: 0.11 J
TCE: 0.75

FO-29
CT: 0.18 J
TCE: 1.7

B
C
D
E
F

MP-BW-51-405 — Well ID
CT: 0.13 J — Concentration in µg/L and validation/lab qualifier.
TCE: 1.7 — (blue indicates CT; red indicates TCE)
CT Bold when COC exceeds the ACL.

NOTES:
(1) Groundwater samples were collected between December 7th, 2020 and December 11th, 2020.
(2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.
(4)TCE is not a chemical of concenrn in the OUCTP Lower 180-Foot Aquifer.

0 1,500 3,000
Feet

N
W E
S

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Concentration

- Extraction well with carbon tetrachloride (CT) and trichloroethene (TCE) detection
- Monitoring well with CT detection and no TCE detection
- Monitoring well with TCE detection and no CT detection
- Monitoring well with CT and TCE detection
- Marina Coast active supply well with CT and TCE detection
- Monitoring well with no CT or TCE detection

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

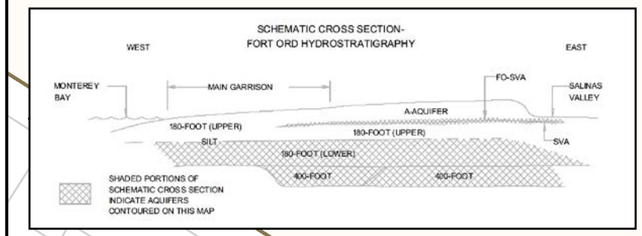
- 0.5 — Carbon Tetrachloride (CT) plume extent
- 5.0 — Trichloroethene (TCE) plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
FOURTH QUARTER 2020
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 30



MP-BW-51-405 — Well ID
CT: 0.13 J — Concentration in µg/L and validation/lab qualifier. (blue indicates CT; red indicates TCE)
TCE: 1.7 — CT Bold when COC exceeds the ACL.

NOTES:

(1) Groundwater samples were collected between March 1, 2021 and March 5, 2021.
(2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.
(4)TCE is not a chemical of concenrn in the OUCTP Lower 180-Foot Aquifer.

0 1,500 3,000
Feet

N
W E
S

MP-BW-31-292
CT: 0.22 J

AIRFIELD
CT: 0.37 J

MP-BW-49-287
CT: 0.86 J+
MP-BW-49-316
CT: 4.1 J+
MP-BW-49-368
TCE: 1.2 J
MP-BW-49-400
TCE: 5.4 J+

MW-OU2-66-180
TCE: 0.42 J

MP-BW-42-345
TCE: 0.97 J+

MP-BW-50-339
CT: 0.56 J+
TCE: 0.23 J

MP-BW-50-384
CT: 0.11 J
TCE: 2.5

MP-BW-41-318
TCE: 0.59 J

MP-BW-41-353
TCE: 1.5 J+

MW-OU2-69-180
CT: 1.4 J+

FO-30
CT: 0.19 J
TCE: 0.55 J+

MP-BW-51-405
CT: 0.12 J
TCE: 1.2 J+

EW-OU2-07-180
TCE: 3.6 J+

MW-OU2-78-180
TCE: 2.5 J+

MW-OU2-72-180
TCE: 1.4 J+

FO-31
CT: 0.15 J
TCE: 0.95 J+

MW-OU2-82-180
TCE: 4.2 J+

FO-29
CT: 0.27 J
TCE: 1.8 J+

MW-BW-59-180
CT: 0.12 J
TCE: 9.7 J+

0.5
5

B C D E F

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Concentration

- Extraction well with trichloroethene (TCE) detection
- Monitoring well with carbon tetrachloride (CT) detection
- Monitoring well with TCE detection
- Monitoring well with CT and TCE detection
- Marina Coast active supply well with CT and TCE detection

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

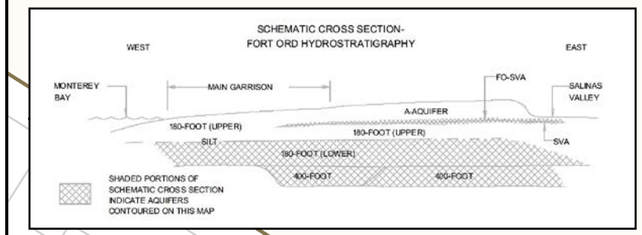
- 0.5 Carbon tetrachloride (CT) plume Extent
- 5.0 Trichloroethene (TCE) plume Extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
FIRST QUARTER 2021
Operable Unit Carbon Tetrachloride
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 31



AIRFIELD

MP-BW-49-287
CT: 0.48 J

MP-BW-49-316
CT: 3.7 J+

MP-BW-49-368
CT: 0.10 J
TCE: 0.46 J

MP-BW-49-400
TCE: 4.5 J+

MW-OU2-66-180
TCE: 0.38 J

MP-BW-42-345
TCE: 1.1

MP-BW-50-339

MP-BW-50-384
CT: 0.13 J
TCE: 1.8 J+

MP-BW-41-318
TCE: 0.32 J

MP-BW-41-353
TCE: 1.3

FO-30
CT: 0.27 J
TCE: 0.53

MP-BW-51-405
CT: 0.15 J
TCE: 1.5

EW-OU2-07-180
TCE: 3.3

0.5

MW-OU2-69-180
CT: 1.1

MW-OU2-72-180
TCE: 1.3

FO-31
CT: 0.11 J
TCE: 0.92

MW-OU2-78-180
TCE: 2.6

MW-OU2-82-180
TCE: 4.2 J+

FO-29
CT: 0.22 J
TCE: 1.8

MW-BW-59-180
CT: 0.14 J
TCE: 10.4 J+

5

B
C
D
E
F

MP-BW-51-405 — Well ID
CT: 0.15 J — Concentration in µg/L and validation/lab qualifier.
TCE: 1.5 — (blue indicates CT; red indicates TCE)
CT Bold when COC exceeds the ACL.

NOTES:
(1) Groundwater samples were collected between June 7, 2021 and June 11, 2021.
(2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.
(4)TCE is not a chemical of concenrn in the OUCTP Lower 180-Foot Aquifer.

0 1,500 3,000
Feet

N
W E
S

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Concentration

- Extraction well with trichloroethene (TCE) detection
- Monitoring well with carbon tetrachloride (CT) detection
- Monitoring well with TCE detection
- Monitoring well with CT and TCE detection
- Marina Coast active supply well with CT and TCE detection
- Monitoring well with no CT or TCE detected
- Monitoring well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

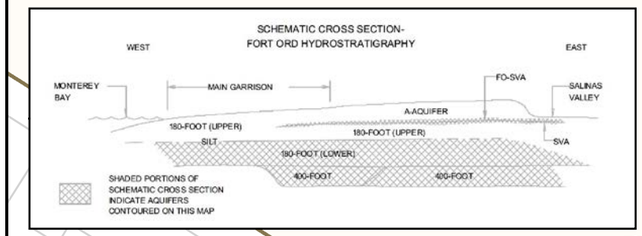
- 0.5 — Carbon tetrachloride (CT) plume extent
- 5.0 — Trichloroethene (TCE) plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
SECOND QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 32



MP-BW-31-292

AIRFIELD
CT: 0.39 J

MP-BW-49-287
CT: 0.31 J
MP-BW-49-316
CT: 3.0 J+
MP-BW-49-368
TCE: 0.4 J
MP-BW-49-400
TCE: 4.0

MW-OU2-66-180
TCE: 0.35 J

MP-BW-42-345
TCE: 1.1 J+

MP-BW-50-339
CT: 1.2
MP-BW-50-384
TCE: 2.0

MW-BW-04-180
CT: 0.44 J
TCE: 0.12 J

FO-30
CT: 0.24 J
TCE: 0.55

MP-BW-41-318
TCE: 0.37 J
MP-BW-41-353
TCE: 1.3 J+

MP-BW-51-405
CT: 0.16 J
TCE: 1.5

EW-OU2-07-180
TCE: 3.6 J+

0.5

MW-OU2-69-180
CT: 1.1 J+

MW-OU2-72-180
TCE: 1.8

FO-31

MW-OU2-78-180
TCE: 2.2 J+

5

FO-29
CT: 0.17 J
TCE: 2.6

MW-BW-59-180
CT: 0.14 J
TCE: 10 J+

MW-OU2-82-180
TCE: 5.9

B
C
D
E
F

MP-BW-51-405 — Well ID
CT: 0.16 J
TCE: 1.5
Concentration in µg/L and validation/lab qualifier.
(blue indicates CT; red indicates TCE)
CT Bold when COC exceeds the ACL.

NOTES:
(1) Groundwater samples were collected between August 29, 2021 and September 23, 2021.
(2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.
(4) Marina Coast FO-31 well was inoperable during sampling.
(4)TCE is not a chemical of concenrn in the OUCTP Lower 180-Foot Aquifer.

0 1,500 3,000
Feet

N
W E
S

EXPLANATION

- General groundwater flow direction
- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with trichloroethene (TCE) detection
- Monitoring well with carbon tetrachloride (CT) detection
- Monitoring well with TCE detection
- Monitoring well with CT and TCE detection
- Monitoring well with no CT or TCE detection
- Marina Coast active supply well with CT and TCE detection
- Marina Coast inactive supply well

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

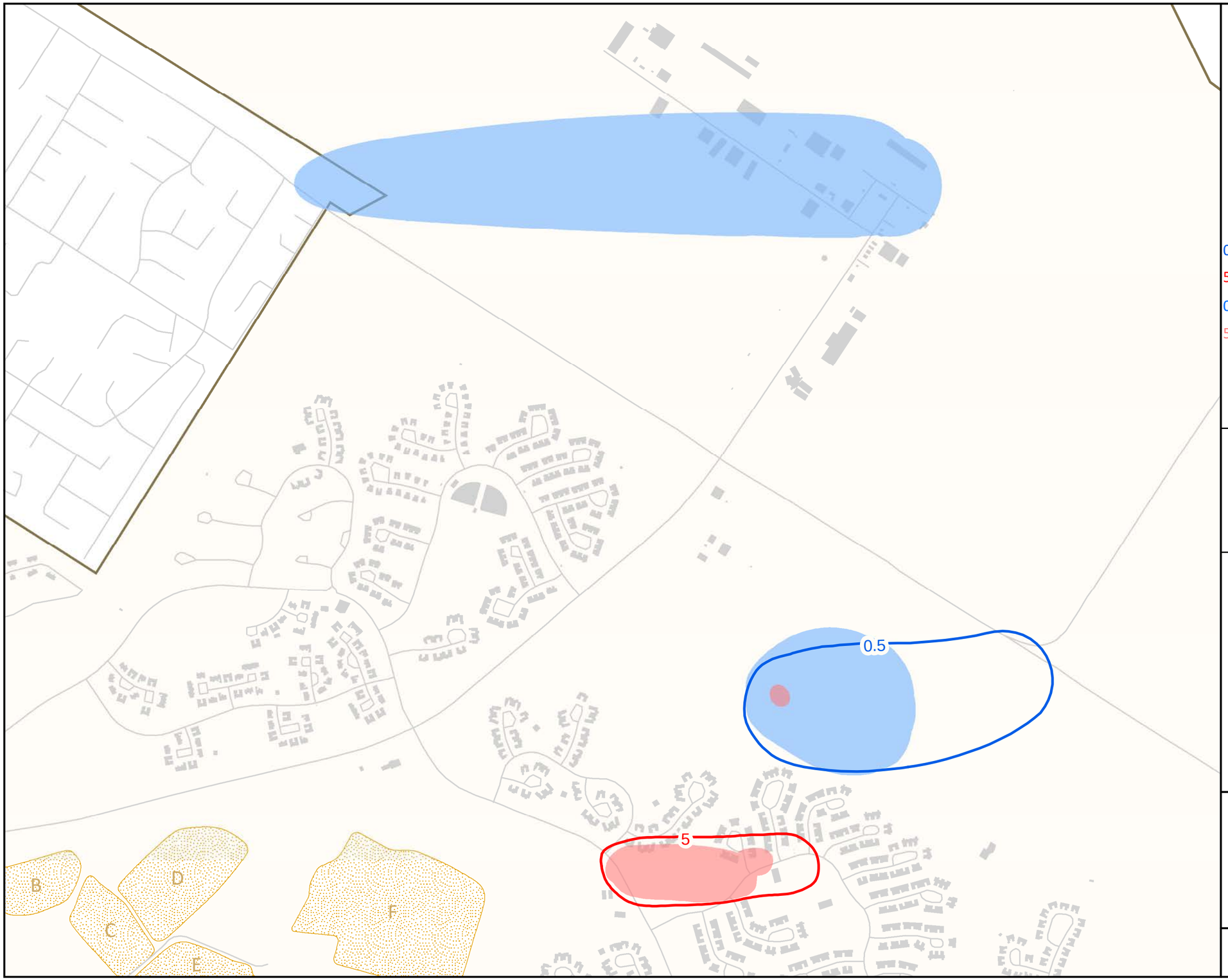
- 0.5 Carbon tetrachloride (CT) plume extent
- 5.0 Trichloroethene (TCE) plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
THIRD QUARTER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 33



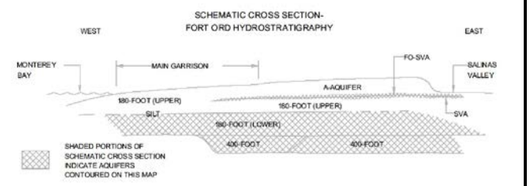
EXPLANATION

- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.

- 0.5 — 3Q2021 carbon tetrachloride (CT) plume extent
- 5.0 — 3Q2021 trichloroethane (TCE) plume extent
- 0.5 — Historical maximum CT plume extent
- 5.0 — Historical maximum TCE plume extent

NOTE:
(1) Contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
(2) TCE is not a COC in the Lower 180-Foot Aquifer



N
W E
S

0 1,000 2,000
Feet

CURRENT AND HISTORICAL
MAXIMUM CT/TCE ACL EXCEEDANCES
LOWER 180-FOOT AQUIFER
SEPTEMBER 2021
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

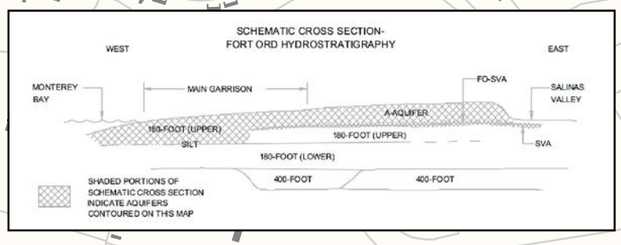
Ahtna | Date: 11/1/2021 | Figure: 34

0 1,500 3,000
Feet

N
W E
S

EISB-EW-03
MW-BW-49-A
EISB-MW-01
EISB-MW-04
MW-BW-42-A
MW-B-12-A
EW-BW-144-A
MW-BW-58-A
MW-BW-86-A
EW-BW-163-A
EW-BW-162-A
EW-BW-126-A
MW-BW-56-A
EW-BW-112-A
EW-BW-104-A
EW-BW-100-A
EW-BW-167-A
EW-BW-92-A
EW-BW-93-A

Lexington Court Source Area



EXPLANATION

- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Lexington Court source area
- Former Fort Ord boundary

Well Type and Recommendation

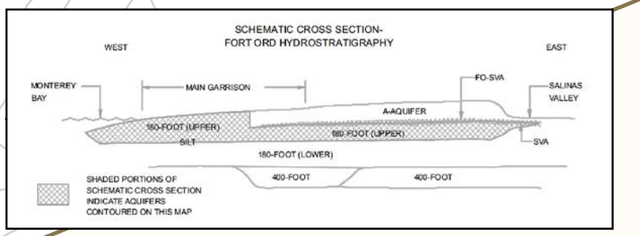
- Extraction well: recommend annual monitoring
- Extraction well: recommend removal from monitoring program
- Extraction well: recommend removal from QAPP DTW measurements not needed
- Monitoring well: recommend annual monitoring
- Monitoring well: recommend removal from sampling program
- Monitoring well: recommend removal from QAPP DTW measurements not needed
- Extraction well: no change recommended
- Monitoring well: no change recommended

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume extent

RECOMMENDED A-AQUIFER
MONITORING WELL CHANGES
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater
Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 35



0 1,500 3,000

Feet

N

W E

S

MP-BW-37-193

MP-BW-46-185
MP-BW-46-200
MP-BW-46-215

0.5

MP-BW-42-195
MP-BW-42-235

0.5

MW-BW-02-180

MP-BW-41-202
MP-BW-41-256

B
C
D
E
F

EXPLANATION

- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and Recommendation

- Monitoring well: recommend removal from monitoring program
- Monitoring well: recommend removal from QAPP DTW measurements not needed
- Extraction well: no change recommended
- Monitoring well: no change recommended

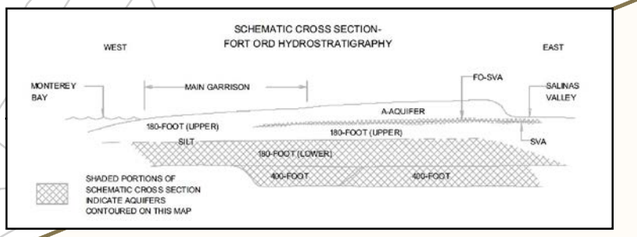
3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

0.5 — Carbon tetrachloride (CT) plume extent

RECOMMENDED UPPER 180-FOOT AQUIFER MONITORING WELL CHANGES

Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 36



0 1,500 3,000
Feet

N
W E
S

MP-BW-38-327
MP-BW-38-341
MP-BW-38-368
MP-BW-38-418

MP-BW-40-333
MP-BW-40-375
MP-BW-40-400

MP-BW-39-310
MP-BW-39-350
MP-BW-39-395

MP-BW-52-323
MP-BW-52-338
MP-BW-52-388
MP-BW-52-408

MP-BW-37-303
MP-BW-37-328
MP-BW-37-398
MP-BW-37-460

MP-BW-31-292
MP-BW-31-332
MP-BW-31-362
MP-BW-31-457
MP-BW-31-522

MP-BW-35-312
MP-BW-35-366
MP-BW-35-467
MP-BW-35-527
MP-BW-35-562

MCWD-08A

MP-BW-33-317
MP-BW-33-397

MP-BW-30-317
MP-BW-30-342
MP-BW-30-467
MP-BW-30-537

MP-BW-32-332
MP-BW-32-366
MP-BW-32-472
MP-BW-32-522

MP-BW-34-292
MP-BW-34-357
MP-BW-34-492
MP-BW-34-537

MW-OU2-07-400

MP-BW-42-295
MP-BW-42-314
MP-BW-42-400

MP-BW-49-336

MP-BW-50-289
MP-BW-50-309
MP-BW-50-359

MW-BW-03-400

MP-BW-41-286
MP-BW-41-396

0.5

MP-BW-51-315
MP-BW-51-340
MP-BW-51-370

MW-OU2-71-180

5

MW-OU2-68-180

MW-OU2-28-400

B
C
D
E
F

EXPLANATION

- Roads
- Facilities
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and Recommendation

- Marina Coast inactive supply well: recommend removal from QAPP DTW measurements not needed
- Monitoring well: recommend removal from QAPP DTW measurements not needed
- Monitoring well: recommend decomissioning
- Marina Coast Active supply well: no change recommended
- Extraction well: no change recommended
- Monitoring well: no change recommended

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in

- 0.5 Carbon tetrachloride (CT) plume extent
- 5.0 Trichloroethene (TCE) plume extent

RECOMMENDED LOWER 180-FOOT AQUIFER MONITORING WELL CHANGES
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021 Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 37

New A-Aquifer Well
MW-BW-98-A
(Former MW-OU1-85-A)

New A-Aquifer Well
MW-BW-97-A
(Former MW-OU1-88-A)

New A-Aquifer Well
MW-BW-96-A
(Former IW-OU1-10-A)

RESERVATION RD

IMJIN PKWY

EXPLANATION

- OU1 SVA Channel Low
- Approximate location of the A-Aquifer Groundwater divide

Well Type

- Existing OUCTP extraction well
- Existing OUCTP monitoring well
- Proposed new A- Aquifer monitoring well

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume extent

N
W E
S

0 1,000 2,000
Feet

NOTE:
(1) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.

RECOMMENDED NEW A-AQUIFER WELLS
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 38

IMJIN PKWY

RESERVATION RD

0.5

Proposed New
Upper 180-Foot Aquifer
Extraction Well

0.5

OLD COUNTY RD

5

EXPLANATION

Well Type

- Proposed new OUCTP Upper 180 - Foot Aquifer extraction well
- Existing OUCTP Upper 180 - Foot Aquifer extraction well
- Existing OUCTP Upper 180 - Foot Aquifer monitoring well
- Existing OUCTP Lower 180-Aquifer monitoring well

3Q2021 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 — OUCTP Upper 180-Foot Aquifer carbon tetrachloride (CT) plume extent
- 0.5 — OUCTP Lower 180-Foot Aquifer CT plume extent
- 5 — OUCTP Lower 180-Foot Aquifer trichloroethene (TCE) plume extent

N
W E
S

0 500 1,000
Feet

NOTE:
(1) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.

RECOMMENDED NEW UPPER 180-FOOT AQUIFER WELL
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2020 - Third Quarter 2021
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 11/1/2021 | Figure: 39

APPENDICES

Appendix A

Validation Summary Reports

Third Quarter 2021

Groundwater Sample

Cross Reference Table

Table A1. Third Quarter 2021 Groundwater Sample Cross Reference Table

Station ID	Aquifer	Sample ID	Sample Date	Sample Type	COC Number	Package Lab ID
AIRFIELD	OUCTP-L	2135W0BW209F	8/29/2021	GWM	0302	FA88607-1
QC-TRIP-BLANK	OUCTP-L	2135W0BW208A	8/29/2021	QC	0302	FA88607-2
QC-FIELD-BLANK	OUCTP-L	2135W0BW210C	8/29/2021	QC	0302	FA88607-3
MP-BW-31-292	OUCTP-L	2135W0BW212F	8/30/2021	GWM	0172	FA88607-4
MP-BW-51-405	OUCTP-L	2135W0BW220F	8/31/2021	GWM	0304	FA88610-1
MP-BW-49-400	OUCTP-L	2135W0BW223F	8/31/2021	GWM	0304	FA88610-2
MP-BW-49-368	OUCTP-L	2135W0BW224F	8/31/2021	GWM	0304	FA88610-3
MP-BW-49-316	OUCTP-L	2135W0BW225F	8/31/2021	GWM	0304	FA88610-4
MP-BW-49-287	OUCTP-L	2135W0BW226F	8/31/2021	GWM	0304	FA88610-5
QC-TRIP-BLANK	OUCTP-L	2135W0BW227A	8/31/2021	QC	0304	FA88610-6
MP-BW-42-345	OUCTP-L	2135W0BW230F	8/31/2021	GWM	0304	FA88610-7
MP-BW-50-384	OUCTP-L	2135W0BW232F	8/31/2021	GWM	0304	FA88610-8
MP-BW-50-339	OUCTP-L	2135W0BW233F	8/31/2021	GWM	0304	FA88610-9
MP-BW-41-353	OUCTP-L	2135W0BW234F	8/31/2021	GWM	0304	FA88610-10
MP-BW-41-318	OUCTP-L	2135W0BW235F	8/31/2021	GWM	0304	FA88610-11
QC-FIELD-BLANK	OUCTP-L	2135W0BW236C	8/31/2021	QC	0304	FA88610-12
QC-EQUIPMENT-BLANK	OUCTP-L	2135W0BW237B	8/31/2021	QC	0304	FA88610-13
MW-OU2-69-180	OUCTP-L	2135WOU2221F	8/31/2021	GWM	0170	FA88610-14
MW-OU2-66-180	OUCTP-L	2135WOU2228F	8/31/2021	GWM	0170	FA88610-15
EW-OU2-07-180	OUCTP-L	2135YOU2038F	8/31/2021	GWM	0324	FA88610-16
MW-OU2-78-180	OUCTP-L	2135YOU2039F	8/31/2021	GWM	0324	FA88610-17
MW-BW-59-180	OUCTP-L	2135Y0BW044F	8/31/2021	GWM	0324	FA88610-18
MW-OU2-82-180	OUCTP-L	2135YOU2052F	9/1/2021	GWM	0326	FA88755-1
MW-BW-04-180	OUCTP-L	2135X0BW219F	9/2/2021	GWM	0349	FA88755-2
FO-30	OUCTP-L	2135Z0BW001F	9/2/2021	GWM	0352	FA88755-3
QC-TRIP-BLANK	OUCTP-L	2135Z0BW002A	9/2/2021	QC	0352	FA88755-4
FO-29	OUCTP-L	2135Z0BW003F	9/2/2021	GWM	0352	FA88755-5
FO-29-DUP	OUCTP-L	2135Z0BW004D	9/2/2021	DUP	0352	FA88755-6
MP-BW-46-170	OUCTP-U	2125W0BW216F	8/30/2021	GWM	0303	FA88605-1
MP-BW-46-170-DUP	OUCTP-U	2125W0BW217D	8/30/2021	DUP	0303	FA88605-2
MP-BW-46-095	OUCTP-A	2125W0BW218F	8/30/2021	GWM	0303	FA88605-3
MW-OU2-67-180	OUCTP-U	2135WOU2222F	8/31/2021	GWM	0171	FA88608-1
MW-OU2-64-180	OUCTP-U	2135WOU2229F	8/31/2021	GWM	0171	FA88608-2
MW-BW-58-180	OUCTP-U	2135W0BW231F	8/31/2021	GWM	0171	FA88608-3
MW-BW-21-180	OUCTP-U	2135X0BW198F	9/1/2021	GWM	0341	FA88753-1
MW-BW-43-180	OUCTP-U	2135X0BW205F	9/1/2021	GWM	0341	FA88753-2
MW-BW-52-180	OUCTP-U	2135X0BW235F	9/2/2021	GWM	0328	FA88753-3
MW-BW-57-180	OUCTP-U	2135W0BW240F	9/2/2021	GWM	0328	FA88753-4
QC-FIELD-BLANK	OUCTP-U	2135X0BW241C	9/2/2021	QC	0328	FA88753-5
MW-OU2-70-180	OUCTP-U	2135YOU2082F	9/2/2021	GWM	0345	FA88753-6
QC-FIELD-BLANK	OUCTP-U	2135Y0BW084C	9/2/2021	QC	0345	FA88753-7
QC-TRIP-BLANK	OUCTP-A	2135XOU2168A	8/31/2021	QC	0319	FA88620-1

Table A1. Third Quarter 2021 Groundwater Sample Cross Reference Table

Station ID	Aquifer	Sample ID	Sample Date	Sample Type	COC Number	Package Lab ID
EW-BW-155-A	OUCTP-A	2135X0BW171F	8/31/2021	GWM	0319	FA88620-2
EW-BW-149-A	OUCTP-A	2135X0BW172F	8/31/2021	GWM	0319	FA88620-3
MW-BW-28-A	OUCTP-A	2135X0BW173F	8/31/2021	GWM	0319	FA88620-4
MW-BW-28-A-DUP	OUCTP-A	2135X0BW174D	8/31/2021	DUP	0319	FA88620-5
QC-FIELD-BLANK	OUCTP-A	2135X0BW175C	8/31/2021	QC	0319	FA88620-6
MW-BW-95-A	OUCTP-A	2135X0BW176F	8/31/2021	GWM	0319	FA88620-7
MW-BW-93-A	OUCTP-A	2135X0BW177F	8/31/2021	GWM	0319	FA88620-8
MW-BW-94-AR	OUCTP-A	2135X0BW178F	8/31/2021	GWM	0319	FA88620-9
MW-BW-90-A	OUCTP-A	2135X00B179F	8/31/2021	GWM	0319	FA88620-10
MW-BW-90-A-DUP	OUCTP-A	2135X0BW180D	8/31/2021	DUP	0319	FA88620-11
MW-BW-86-A	OUCTP-A	2135X0BW181F	8/31/2021	GWM	0319	FA88620-12
MW-BW-58-A	OUCTP-A	2135X0BW182F	8/31/2021	GWM	0319	FA88620-13
MW-BW-87-A	OUCTP-A	2135X0BW183F	8/31/2021	GWM	0319	FA88620-14
EW-BW-160-A	OUCTP-A	2135X0BW185F	8/31/2021	GWM	0334	FA88620-15
EW-BW-169-A	OUCTP-A	2135X0BW187F	8/31/2021	GWM	0334	FA88620-16
EW-BW-168-A	OUCTP-A	2135X0BW188F	8/31/2021	GWM	0334	FA88620-17
MW-BW-91-A	OUCTP-A	2135X0BW189F	8/31/2021	GWM	0334	FA88620-18
EW-BW-166-A	OUCTP-A	2135X0BW190F	8/31/2021	GWM	0334	FA88620-19
QC-TRIP-BLANK	OUCTP-A	2135X0BW191A	9/1/2021	QC	0335	FA88736-1
MW-BW-32-A	OUCTP-A	2135X0BW192F	9/1/2021	GWM	0335	FA88736-2
MW-BW-92-A	OUCTP-A	2135X0BW193F	9/1/2021	GWM	0335	FA88736-3
MW-BW-36-A	OUCTP-A	2135X0BW194F	9/1/2021	GWM	0335	FA88736-4
MW-B-14-A	OUCTP-A	2135X00B195F	9/1/2021	GWM	0335	FA88736-5
MW-BW-60-A	OUCTP-A	2135X0BW196F	9/1/2021	GWM	0335	FA88736-6
EW-BW-132-A	OUCTP-A	2135X0BW197F	9/1/2021	GWM	0335	FA88736-7
EW-BW-167-A	OUCTP-A	2135X0BW199F	9/1/2021	GWM	0335	FA88736-8
EW-BW-167-A-DUP	OUCTP-A	2135X0BW200D	9/1/2021	DUP	0335	FA88736-9
EW-BW-165-A	OUCTP-A	2135X0BW201F	9/1/2021	GWM	0335	FA88736-10
MW-BW-88-A	OUCTP-A	2135X0BW202F	9/1/2021	GWM	0335	FA88736-11
EW-BW-140-A	OUCTP-A	2135X0BW203F	9/1/2021	GWM	0335	FA88736-12
MW-BW-26-A	OUCTP-A	2135X0BW204F	9/1/2021	GWM	0335	FA88736-13
EW-BW-144-A	OUCTP-A	2135X0BW206F	9/1/2021	GWM	0335	FA88736-14
EW-BW-135-A	OUCTP-A	2135X0BW207F	9/1/2021	GWM	0335	FA88736-15
EW-BW-124-A	OUCTP-A	2135X0BW208F	9/1/2021	GWM	0342	FA88736-16
MW-BW-17-A	OUCTP-A	2135X0BW209F	9/1/2021	GWM	0342	FA88736-17
MW-BW-17-A-DUP	OUCTP-A	2135X0BW210D	9/1/2021	DUP	0342	FA88736-18
EW-BW-129-A	OUCTP-A	2135X0BW211F	9/1/2021	GWM	0342	FA88736-19
EW-BW-109-A	OUCTP-A	2135X0BW214F	9/1/2021	GWM	0342	FA88736-20
MW-BW-24-A	OUCTP-A	2135X0BW215F	9/1/2021	GWM	0342	FA88736-21
MW-BW-85-A	OUCTP-A	2135X0BW216F	9/1/2021	GWM	0342	FA88736-22
MW-BW-49-A	OUCTP-A	2135X0BW220F	9/2/2021	GWM	0347	FA88736-23
MW-BW-65-A	OUCTP-A	2135X0BW221F	9/2/2021	GWM	0347	FA88736-24

Table A1. Third Quarter 2021 Groundwater Sample Cross Reference Table

Station ID	Aquifer	Sample ID	Sample Date	Sample Type	COC Number	Package Lab ID
MW-BW-74-A	OUCTP-A	2135X0BW223F	9/2/2021	GWM	0347	FA88736-25
MW-BW-74-A	OUCTP-A	2135X0BW224F	9/2/2021	GWM	0347	FA88736-26
MW-BW-75-A	OUCTP-A	2135X0BW225F	9/2/2021	GWM	0347	FA88736-27
MW-BW-83-A	OUCTP-A	2135X0BW226F	9/2/2021	GWM	0347	FA88736-28
MW-BW-83-A	OUCTP-A	2135X0BW227F	9/2/2021	GWM	0347	FA88736-29
MW-BW-77-A	OUCTP-A	2135X0BW228F	9/2/2021	GWM	0347	FA88736-30
MW-BW-77-A	OUCTP-A	2135X0BW229F	9/2/2021	GWM	0347	FA88736-31
MW-BW-78-A	OUCTP-A	2135X0BW230F	9/2/2021	GWM	0347	FA88736-32
MW-BW-78-A	OUCTP-A	2135X0BW231F	9/2/2021	GWM	0347	FA88736-33
MW-BW-79-A	OUCTP-A	2135X0BW232F	9/2/2021	GWM	0347	FA88736-34
MW-BW-80-A	OUCTP-A	2135X0BW222F	9/2/2021	GWM	0347	FA88736-35
MW-BW-82-A	OUCTP-A	2135X0BW233F	9/2/2021	GWM	0348	FA88736-36
MW-BW-82-A-DUP	OUCTP-A	2135X0BW234D	9/2/2021	DUP	0348	FA88736-37
EISB-MW-01	OUCTP-A	2135XOU2236F	9/2/2021	GWM	0348	FA88736-38
EISB-MW-01-DUP	OUCTP-A	2135XOU2237D	9/2/2021	DUP	0348	FA88736-39
MW-BW-30-A	OUCTP-A	2135W0BW239F	9/2/2021	GWM	0348	FA88736-40
QC-TRIP-BLANK	OUCTP-A	2135X0BW217A	9/2/2021	QC	0348	FA88736-41
QC-TRIP-BLANK	OUCTP-A	2135XOU2154A	8/30/2021	QC	0317	FA88606-1
EISB-EW-02	OUCTP-A	2135XOU2155F	8/30/2021	GWM	0317	FA88606-2
MW-BW-66-A	OUCTP-A	2135X0BW156F	8/30/2021	GWM	0317	FA88606-3
EISB-EW-01	OUCTP-A	2135XOU2157F	8/30/2021	GWM	0317	FA88606-4
EISB-EW-09	OUCTP-A	2135XOU2158F	8/30/2021	GWM	0317	FA88606-5
MW-BW-44-A	OUCTP-A	2135X0BW159F	8/30/2021	GWM	0317	FA88606-6
MW-BW-44-A-DUP	OUCTP-A	2135X0BW160D	8/30/2021	DUP	0317	FA88606-7
MW-BW-42-A	OUCTP-A	2135X0BW161F	8/30/2021	GWM	0317	FA88606-8
MW-BW-42-A-DUP	OUCTP-A	2135X0BW162D	8/30/2021	DUP	0317	FA88606-9
MW-B-12-A	OUCTP-A	2135X00B163F	8/30/2021	GWM	0317	FA88606-10
MW-BW-35-A	OUCTP-A	2135X0BW164F	8/30/2021	GWM	0317	FA88606-11
QC-FIELD-BLANK	OUCTP-A	2135X0BW165C	8/30/2021	QC	0317	FA88606-12
MW-BW-31-A	OUCTP-A	2135X0BW166F	8/30/2021	GWM	0317	FA88606-13
MW-BW-15-A	OUCTP-A	2135X0BW167F	8/30/2021	GWM	0317	FA88606-14
MW-BW-27-A	OUCTP-A	2135W0BW213F	8/30/2021	GWM	0301	FA88606-15
MW-BW-27-A-DUP	OUCTP-A	2135W0BW214D	8/30/2021	DUP	0301	FA88606-16
QC-TRIP-BLANK	OUCTP-A	2135W0BW211A	8/30/2021	QC	0301	FA88606-17
MW-BW-56-A	OUCTP-A	2135W0BW215F	8/30/2021	GWM	0301	FA88606-18
QC-FIELD-BLANK	OUCTP-A	2135W0BW219C	8/30/2021	QC	0301	FA88606-19
MW-BW-89-A	OUCTP-A	2138M0BW167F	9/23/2021	GWM	0196	FA89262-1
MW-OU2-72-180	OUCTP-L	2138M0BW168F	9/23/2021	GWM	0197	FA89261-1

Table A1. Third Quarter 2021 Groundwater Sample Cross Reference Table

Station ID	Aquifer	Sample ID	Sample Date	Sample Type	COC Number	Package Lab ID
Sample Counts						
			Number Primary GWM Samples:	95		
			Number Duplicate Samples:	11		
			Percent Duplicate:	12%		
			Number QC Field/Trip Blanks:	16		

Notes:

COC: chain of custody

DUP: duplicate sample

GWM: groundwater monitoring sample

ID: identification

QC: quality control sample (trip blank or field blank)

Third Quarter 2021

Groundwater Laboratory Data

Validation Summary Reports (VSRs)

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

October 13, 2021

SUBJECT: Fort Ord, OUCTP Upper - Data Validation

Dear Mr. Schmidt,

Enclosed is the final validation report for the fraction listed below. These SDGs were received on September 23, 2021. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #52131:

SDG #	Fraction
FA88605	Volatiles
FA88608	
FA88753	

The data validation was performed under Stage 2B & 4 guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

119 pages-ADV

Attachment 1

ADR/Stage 4 90/10 **LDC# 52131 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-Upper)** **Project # 21065.000.01.0000**

LDC	SDG#	DATE REC'D	(3) DATE DUE	(1)VOA (8260B -SIM)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FA88605	09/23/21	10/14/21	2	0																																
B	FA88608	09/23/21	10/14/21	3	0																																
C	FA88753	09/23/21	10/14/21	7	0																																
Total	T/PG			12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

L:\Ahtna\Fort Ord\OUCTP-Upper\52131ST-OUCTP-Upper.wpd

LDC Report# 52131

Automated Data Review Data Validation Report
Fort Ord, OUCTP-Upper

Sample Delivery Group(s)

FA88605
FA88608
FA88753

October 13, 2021

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August through September 2021 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J+ (Estimated, High Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying high bias, due to non-conformances discovered during data validation.

J- (Estimated, Low Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying low bias, due to non-conformances discovered during data validation.

J (Estimated, Bias Indeterminate): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation. Bias is indeterminate.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not applicable): Data did not warrant qualification since detected results only are affected and the analyte was not detected in the associated samples.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

Two field blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of five samples. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for this method, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Field Duplicates

One field duplicate was collected and analyzed. All RPDs and absolute differences were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All compounds reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target compound identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in these SDGs.

Due to surrogate %R and results below the LOQ, data were qualified as estimated in four samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
30-Aug-2021	2135W0BW216F	FA88605-1	N	5030B	EPA8260-SIM	Stage 4
30-Aug-2021	2135W0BW217D	FA88605-2	FD	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135WOU2222F	FA88608-1	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135WOU2229F	FA88608-2	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW231F	FA88608-3	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW198F	FA88753-1	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW205F	FA88753-2	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW235F	FA88753-3	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135W0BW240F	FA88753-4	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135YOU2082F	FA88753-6	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135Y0BW084C	FA88753-7	FB	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW241C	FA88753-5	FB	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample *FD = Field Duplicate* *FB = Field Blank*

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FA88605, FA88608, FA88753 **Laboratory: ACTO**

EDD Filename: PrepFA88605ACTO, PrepFA88608ACTO, PrepFA88753ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88605

Method Category: VOA

Method: EPA8260-SIM **Matrix:** AQ

Sample ID:2135W0BW216F **Collected:**8/30/2021 15:55:00 **Analysis Type:**1RES **Dilution:** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	6.2		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

Sample ID:2135W0BW217D **Collected:**8/30/2021 16:00:00 **Analysis Type:**1RES **Dilution:** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	6.4		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

SDG: FA88608

Method Category: VOA

Method: EPA8260-SIM **Matrix:** AQ

Sample ID:2135WOU2229F **Collected:**8/31/2021 12:05:00 **Analysis Type:**1RES **Dilution:** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	3.5		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

SDG: FA88753

Method Category: VOA

Method: EPA8260-SIM **Matrix:** AQ

Sample ID:2135W0BW240F **Collected:**9/2/2021 13:28:00 **Analysis Type:**1RES **Dilution:** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.30	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605, FA88608, FA88753

Laboratory: ACTO

EDD Filename: PrepFA88605ACTO, PrepFA88608ACTO, PrepFA88753ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

Reason Code	*Description*
RI	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

FA88605

Surrogate Outlier Report

Lab Reporting Batch ID: FA88605 **Laboratory: ACTO**

EDD Filename: FA88605ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
2135W0BW216F (1RES)	1,2-Dichloroethane-d4 (Surr)	121	81.00-118.00	All Target Analytes	J+ (all detects)
2135W0BW217D (1RES)	1,2-Dichloroethane-d4 (Surr)	124	81.00-118.00	All Target Analytes	J+(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FA88605 **Laboratory: ACTO**

EDD Filename: FA88605ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Analyte	*Concentration (ug/L)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	2135W0BW216F	**2135W0BW217D**			
CARBON TETRACHLORIDE	6.2	6.4	3	30.00	No Qualifiers Applied

Project Name and Number: - Fort Ord Groundwater Monitoring

LDC #: 52131A1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21 ~~4/15/21~~
SDG #: FA88605 Stage 4 Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: PG
2nd Reviewer: KK

METHOD: GC/MS Carbon Tetrachloride (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A A	RSD ≤ 15% . ICV ≤ 20%
IV.	Continuing calibration / Closing CCV	A	CCV ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	SW	see ADR
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	SW	D=1+2 - see ADR
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	2135W0BW216F	FA88605-1	Water	08/30/21
2	2135W0BW217D	FA88605-2	Water	08/30/21
3				
4				
5				
6				
7				
8				
9				

Notes:

LDC #: 52138A6 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: Q

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) ≥ 0.05??	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent difference (%D) ≤20%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓	✓		
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?		✓	✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data	✓			
Overall assessment of data was found to be acceptable.				

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 52131A16

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 4

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	1CAL2	9/3/24	O (1st internal standard)	0.777	0.777	0.766	0.766	8.13	8.11
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52134A6

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	Z65716	9/3/14	O (1st internal standard)	0.766	0.747	0.747	2.5	2.5
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	6.03	121	121	
Toluene-d8	✓	5.26	105	105	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 52B346

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: VI2585-BS

Compound	Spike Added (MPC)		Spiked Sample Concentration (MPC)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
0	5	NA	5.5	NA	110	110				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52B3A16

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 1 , 0 :

Conc. = $\frac{(36917)(5.0)(1)}{(38685)(0.766)(\quad)(\quad)}$

= 6.23 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration ( )	Qualification
	1	0	6.2		

Quality Control
Outlier Reports

FA88608

Surrogate Outlier Report

Lab Reporting Batch ID: FA88608 **Laboratory: ACTO**

EDD Filename: FA88608ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
2135W0BW231F (1RES)	1,2-Dichloroethane-d4 (Surr)	132	81.00-118.00	All Target Analytes	J+ (all detects)
2135WOU2222F (1RES)	1,2-Dichloroethane-d4 (Surr)	120	81.00-118.00	All Target Analytes	J+(all detects)
2135WOU2229F (1RES)	1,2-Dichloroethane-d4 (Surr)	125	81.00-118.00	All Target Analytes	J+(all detects)

LDC #: 52131B1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88608 ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: [illegible]
2nd Reviewer: RW

METHOD: GC/MS Carbon Tetrachloride (EPA SW846 Method 8260B) SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	RSD ≤ 15%. ICV ≤ 20%
IV.	Continuing calibration / Ending	A	CCV ≤ 20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135WOU2222F	FA88608-1	Water	08/31/21
2	2135W0BW229F	FA88608-2	Water	08/31/21
3	2135W0BW231F	FA88608-3	Water	08/31/21
4				
5				
6				
7				
8				
9				

Notes:

Quality Control
Outlier Reports

FA88753

Reporting Limit Outliers

Lab Reporting Batch ID: FA88753 **Laboratory: ACTO**

EDD Filename: FA88753ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135W0BW240F	CARBON TETRACHLORIDE	J	0.30	0.50	LOQ	ug/L	J (all detects)

LDC #: 52131C1ab **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88753 ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: Q
2nd Reviewer: KKC

METHOD: GC/MS Carbon Tetrachloride (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	RSD ≤ 15%. ICV ≤ 20%
IV.	Continuing calibration /Ending	A	CCV ≤ 20%/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135X0BW198F	FA88753-1	Water	09/02/21
2	2135X0BW205F	FA88753-2	Water	09/02/21
3	2135X0BW235F	FA88753-3	Water	09/02/21
4	2135W0BW240F	FA88753-4	Water	09/02/21
5	2135X0BW241C	FA88753-5	Water	09/02/21
6	2135YOU2082F	FA88753-6	Water	09/02/21
7	2135Y0BW084C	FA88753-7	Water	09/02/21
8				
9				

Notes:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

October 13, 2021

SUBJECT: Fort Ord, OUCTP-A, Data Validation

Dear Mr. Schmidt,

Enclosed is the final validation report for the fraction listed below. These SDGs were received on September 23, 2021. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #52134:

SDG #	Fraction
FA88605A	Volatiles
FA88606	
FA88620	
FA88736	

The data validation was performed under Stage 2B & 4 guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

ADR/Stage 4 90/10 **LDC# 52134 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-A)** **Project # 21065.000.01.0000**

LDC	SDG#	DATE REC'D	(3) DATE DUE	(8)VOA (8260B-SIM)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FA88605A	09/23/21	10/14/21	1	0																																
B	FA88606	09/23/21	10/14/21	19	0																																
C	FA88620	09/23/21	10/14/21	19	0																																
D	FA88736	09/23/21	10/14/21	33	0																																
D	FA88736	09/23/21	10/14/21	8	0																																
Total	T/PG			80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

LDC Report# 52134

Automated Data Review Data Validation Report
Fort Ord, OUCTP-A

Sample Delivery Group(s)

FA88605A
FA88606
FA88620
FA88736

October 13, 2021

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August through September 2021 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J+ (Estimated, High Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying high bias, due to non-conformances discovered during data validation.

J- (Estimated, Low Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying low bias, due to non-conformances discovered during data validation.

J (Estimated, Bias Indeterminate): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation. Bias is indeterminate.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not applicable): Data did not warrant qualification since detected results only are affected and the analyte was not detected in the associated samples.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Flag	A or P
FA88605A	09/03/21	Methylene chloride	60.0	2135W0BW218F	J+ (all detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks with the exception of six blanks for methylene chloride. The associated sample results were qualified as non-detected (U) due to laboratory blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the associated blanks were not qualified. The details regarding the qualification of data are presented in Enclosure I.

Field Blanks

Five trip blanks were collected and analyzed. Three trip blanks had detections for methylene chloride. The associated sample results were qualified as non-detected (U) due to trip blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the trip blank were not qualified. The trip blank outlier reports are presented in Enclosure I.

Three field blanks were collected and analyzed. Two field blanks had detections for methylene chloride. The associated sample results were qualified as non-detected (U) due to field blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of one sample. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of three MS/MSD pairs for methylene chloride and two MS/MSD pairs for 1,2-dichloroethene (total) and methylene chloride. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs since the associated results were non-detected. The details are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the exception of one LCS for methylene chloride. The associated sample results were qualified as detected estimated (J+) as applicable. The details regarding the qualification of data are presented in Enclosure I.

Field Duplicates

Nine field duplicate pairs were collected and analyzed. All RPDs and absolute differences were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All analytes reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

All analyte quantitations were within validation criteria with the following exceptions:

SDG	Sample	Analyte	Finding	Flag	A or P
FA88606	All samples in SDG FA88606	Methylene chloride	Laboratory indicated that this analyte was a suspected laboratory contaminant.	J (all detects)	A
FA88620	All samples in SDG FA88620	Methylene chloride	Laboratory indicated that this analyte was a suspected laboratory contaminant.	J (all detects)	A
FA88736	2135X0BW229F 2135X0BW222F	Methylene chloride	Laboratory indicated that this analyte was a suspected laboratory contaminant.	J (all detects)	A

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in these SDGs.

Due to CCV %D, data were qualified as estimated in one sample.

Due to surrogate %R, data were qualified as estimated in one sample.

Due to MS/MSD %R, data were qualified as estimated in one sample.

Due to LCS %R, data were qualified as estimated in one sample.

Due to results below the LOQ, data were qualified as estimated in fifty samples.

Due to laboratory blank contamination, data were qualified as not detected in twenty-two samples.

Due to trip blank contamination, data were qualified as not detected in six samples.

Due to field blank contamination, data were qualified as not detected in twelve samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
30-Aug-2021	2135W0BW218F	FA88605-3	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135XOU2154A	FA88606-1	TB	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X00B163F	FA88606-10	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW164F	FA88606-11	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW165C	FA88606-12	FB	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW166F	FA88606-13	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW167F	FA88606-14	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW213F	FA88606-15	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW214D	FA88606-16	FD	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW211A	FA88606-17	TB	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW215F	FA88606-18	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW219C	FA88606-19	FB	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135XOU2155F	FA88606-2	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW156F	FA88606-3	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW156FMS	FA88606-3MS	MS	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW156FMSD	FA88606-3MSD	MSD	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135XOU2157F	FA88606-4	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135XOU2158F	FA88606-5	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW159F	FA88606-6	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW160D	FA88606-7	FD	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW161F	FA88606-8	N	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135X0BW162D	FA88606-9	FD	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135XOU2168A	FA88620-1	TB	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW179F	FA88620-10	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW180D	FA88620-11	FD	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW181F	FA88620-12	N	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample
FD = Field Duplicate
TB = Trip Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
FB = Field Blank

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
31-Aug-2021	2135X0BW182F	FA88620-13	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW183F	FA88620-14	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW185F	FA88620-15	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW187F	FA88620-16	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW188F	FA88620-17	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW189F	FA88620-18	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW190F	FA88620-19	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW171F	FA88620-2	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW171FMS	FA88620-2MS	MS	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW171FMSD	FA88620-2MSD	MSD	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW172F	FA88620-3	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW173F	FA88620-4	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW174D	FA88620-5	FD	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW175C	FA88620-6	FB	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW176F	FA88620-7	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW177F	FA88620-8	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135X0BW178F	FA88620-9	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW191A	FA88736-1	TB	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW201F	FA88736-10	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW202F	FA88736-11	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW203F	FA88736-12	N	5030B	EPA8260-SIM	Stage 4
01-Sep-2021	2135X0BW204F	FA88736-13	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW206F	FA88736-14	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW207F	FA88736-15	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW208F	FA88736-16	N	5030B	EPA8260-SIM	Stage 4
01-Sep-2021	2135X0BW209F	FA88736-17	N	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample *MS = Matrix Spike*
FD = Field Duplicate *MSD = Matrix Spike Duplicate*
TB = Trip Blank *FB = Field Blank*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
01-Sep-2021	2135X0BW210D	FA88736-18	FD	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW211F	FA88736-19	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW192F	FA88736-2	N	5030B	EPA8260-SIM	Stage 4
01-Sep-2021	2135X0BW214F	FA88736-20	N	5030B	EPA8260-SIM	Stage 4
01-Sep-2021	2135X0BW215F	FA88736-21	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW215FMS	FA88736-21MS	MS	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW215FMSD	FA88736-21MSD	MSD	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW216F	FA88736-22	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW220F	FA88736-23	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW221F	FA88736-24	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW223F	FA88736-25	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW224F	FA88736-26	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW225F	FA88736-27	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW226F	FA88736-28	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW227F	FA88736-29	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW193F	FA88736-3	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW228F	FA88736-30	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW229F	FA88736-31	N	5030B	EPA8260-SIM	Stage 4
02-Sep-2021	2135X0BW230F	FA88736-32	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW231F	FA88736-33	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW231FMS	FA88736-33MS	MS	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW231FMSD	FA88736-33MSD	MSD	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW232F	FA88736-34	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW222F	FA88736-35	N	5030B	EPA8260-SIM	Stage 4
02-Sep-2021	2135X0BW233F	FA88736-36	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW234D	FA88736-37	FD	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample *MS = Matrix Spike*
FD = Field Duplicate *MSD = Matrix Spike Duplicate*
TB = Trip Blank *FB = Field Blank*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
02-Sep-2021	2135XOU2236F	FA88736-38	N	5030B	EPA8260-SIM	Stage 4
02-Sep-2021	2135XOU2237D	FA88736-39	FD	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW194F	FA88736-4	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135W0BW239F	FA88736-40	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW217A	FA88736-41	TB	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW194FMS	FA88736-4MS	MS	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW194FMSD	FA88736-4MSD	MSD	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X00B195F	FA88736-5	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW196F	FA88736-6	N	5030B	EPA8260-SIM	Stage 4
01-Sep-2021	2135X0BW197F	FA88736-7	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW199F	FA88736-8	N	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135X0BW200D	FA88736-9	FD	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample
FD = Field Duplicate
TB = Trip Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
FB = Field Blank

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88605A

Method Category: VOA

Method: EPA8260-SIM ***Matrix:*** AQ

Sample ID: 2135W0BW218F ***Collected:*** 8/30/2021 4:05:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Surr, Ccv
CARBON TETRACHLORIDE	0.15	J	0.25	LOD	0.50	LOQ	ug/L	J	RI, Surr

SDG: FA88606

Method Category: VOA

Method: EPA8260-SIM ***Matrix:*** AQ

Sample ID: 2135W0BW211A ***Collected:*** 8/30/2021 7:00:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.92	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

Sample ID: 2135W0BW213F ***Collected:*** 8/30/2021 9:35:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHENE (TOTAL)	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.83	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, Fb, ProfJudg

Sample ID: 2135W0BW214D ***Collected:*** 8/30/2021 9:40:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHENE (TOTAL)	0.20	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.88	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, Fb, ProfJudg

Sample ID: 2135W0BW215F ***Collected:*** 8/30/2021 11:49:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88606

Method Category: VOA

Method: EPA8260-SIM ***Matrix:*** AQ

8/30/2021 11:49:00

Sample ID: 2135W0BW215F ***Collected:*** AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.92	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, Fb, ProfJudg

8/30/2021 4:15:00

Sample ID: 2135W0BW219C ***Collected:*** PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.85	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, ProfJudg

8/30/2021 11:15:00

Sample ID: 2135X00B163F ***Collected:*** AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.64	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 8:55:00

Sample ID: 2135X0BW156F ***Collected:*** AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.37	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.41	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.54	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Ms, Mb, Fb, ProfJudg

8/30/2021 9:55:00

Sample ID: 2135X0BW159F ***Collected:*** AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.33	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.60	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88606

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

8/30/2021 10:00:00

Sample ID: 2135X0BW160D *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.25	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.59	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 10:50:00

Sample ID: 2135X0BW161F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.61	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 10:55:00

Sample ID: 2135X0BW162D *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.64	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 1:20:00

Sample ID: 2135X0BW164F *Collected:* PM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.70	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 1:25:00

Sample ID: 2135X0BW165C *Collected:* PM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.70	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

8/30/2021 1:45:00

Sample ID: 2135X0BW166F *Collected:* PM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.36	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.85	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88606

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

8/30/2021 2:00:00

***Sample ID:*2135X0BW167F** ***Collected:*PM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.79	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Fb, ProfJudg

8/30/2021 7:45:00

***Sample ID:*2135XOU2154A** ***Collected:*AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.52	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

8/30/2021 8:40:00

***Sample ID:*2135XOU2155F** ***Collected:*AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/30/2021 9:15:00

***Sample ID:*2135XOU2157F** ***Collected:*AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.57	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, ProfJudg

8/30/2021 9:40:00

***Sample ID:*2135XOU2158F** ***Collected:*AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.58	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, Tb, ProfJudg

SDG: FA88620

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88620

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

8/31/2021 9:05:00

Sample ID: 2135X0BW171F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.17	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/31/2021 9:38:00

Sample ID: 2135X0BW172F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
Trichloroethylene	0.27	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/31/2021 9:58:00

Sample ID: 2135X0BW173F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.43	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/31/2021 10:01:00

Sample ID: 2135X0BW174D *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.45	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/31/2021 10:48:00

Sample ID: 2135X0BW176F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.15	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
Trichloroethylene	0.43	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/31/2021 11:00:00

Sample ID: 2135X0BW177F *Collected:* AM *Analysis Type:* 1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.36	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88620

Method Category: VOA

Method: EPA8260-SIM ***Matrix:*** AQ

Sample ID: 2135X0BW178F ***Collected:*** 8/31/2021 11:20:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.43	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW179F ***Collected:*** 8/31/2021 11:30:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW180D ***Collected:*** 8/31/2021 11:33:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW181F ***Collected:*** 8/31/2021 1:20:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW182F ***Collected:*** 8/31/2021 1:26:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW183F ***Collected:*** 8/31/2021 1:46:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.48	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88620

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

*Sample ID:*2135X0BW185F *Collected:*8/31/2021 2:15:00 PM *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

*Sample ID:*2135X0BW189F *Collected:*8/31/2021 3:15:00 PM *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.41	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

*Sample ID:*2135XOU2168A *Collected:*8/31/2021 7:30:00 AM *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.52	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

SDG: FA88736

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

*Sample ID:*2135X00B195F *Collected:*9/1/2021 9:10:00 AM *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CARBON TETRACHLORIDE	0.34	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

*Sample ID:*2135X0BW192F *Collected:*9/1/2021 8:30:00 AM *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.36	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88736

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

***Sample ID:*2135X0BW193F** ***Collected:*9/1/2021 8:40:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW196F** ***Collected:*9/1/2021 9:15:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.12	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW202F** ***Collected:*9/1/2021 10:10:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW203F** ***Collected:*9/1/2021 11:05:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.19	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
Trichloroethylene	0.21	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW208F** ***Collected:*9/1/2021 12:10:00 PM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.43	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.31	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW210D** ***Collected:*9/1/2021 12:28:00 PM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TETRACHLOROETHYLENE	0.10	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88736

Method Category: VOA

Method: EPA8260-SIM ***Matrix:*** AQ

Sample ID: 2135X0BW211F ***Collected:*** 9/1/2021 12:45:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TETRACHLOROETHYLENE	0.11	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW214F ***Collected:*** 9/1/2021 1:55:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.32	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.21	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
Trichloroethylene	0.20	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW216F ***Collected:*** 9/1/2021 3:00:00 PM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW220F ***Collected:*** 9/2/2021 8:41:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.32	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.11	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW221F ***Collected:*** 9/2/2021 8:48:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.24	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2135X0BW222F ***Collected:*** 9/2/2021 8:55:00 AM ***Analysis Type:*** 1RES ***Dilution:*** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.42	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.54	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88736

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

***Sample ID:*2135X0BW224F** ***Collected:*9/2/2021 9:07:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW225F** ***Collected:*9/2/2021 9:21:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.24	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW228F** ***Collected:*9/2/2021 9:51:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.34	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW229F** ***Collected:*9/2/2021 9:52:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.33	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.53	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Mb, ProfJudg

***Sample ID:*2135X0BW230F** ***Collected:*9/2/2021 10:01:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135X0BW231F** ***Collected:*9/2/2021 10:03:00 AM** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.20	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620, **Laboratory: ACTO**

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88736

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

Sample ID:2135X0BW231F *Collected:* **9/2/2021 10:03:00 AM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2135X0BW232F *Collected:* **9/2/2021 10:20:00 AM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.25	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2135X0BW233F *Collected:* **9/2/2021 10:34:00 AM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2135X0BW234D *Collected:* **9/2/2021 10:35:00 AM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.21	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2135XOU2236F *Collected:* **9/2/2021 12:30:00 PM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.36	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2135XOU2237D *Collected:* **9/2/2021 12:33:00 PM** *Analysis Type:* **1RES** *Dilution:* **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.28	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88605A, FA88606, FA88620,

Laboratory: ACTO

EDD Filename: FA88605AACTO, FA88606ACTO, FA88620ACTO, FA88736ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Difference Upper Estimation
Fb	Field Blank Contamination
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Lower Estimation
Surr	Surrogate/Tracer Recovery Upper Estimation
Tb	Trip Blank Contamination

* denotes a non-reportable result

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

FA88605A

Method Blank Outlier Report

Lab Reporting Batch ID: FA88605A **Laboratory: ACTO**

EDD Filename: FA88605AACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VZ2585-MB	9/3/2021 10:44:00 AM	METHYLENE CHLORIDE	1.4 ug/L	2135W0BW218F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135W0BW218F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L

Surrogate Outlier Report

Lab Reporting Batch ID: FA88605A **Laboratory: ACTO**

EDD Filename: FA88605AACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
2135W0BW218F (1RES)	1,2-Dichloroethane-d4 (Surr)	125	81.00-118.00	All Target Analytes	J+ (all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: FA88605A **Laboratory: ACTO**

EDD Filename: FA88605AACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
VZ2585-BS (2135W0BW218F)	METHYLENE CHLORIDE	126	-	74.00-124.00	-	METHYLENE CHLORIDE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: FA88605A **Laboratory: ACTO**

EDD Filename: FA88605AACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135W0BW218F	CARBON TETRACHLORIDE	J	0.15	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

LDC #: 52134A1a/b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88605A ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: Q
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15%. r² ICV ≤ 20%
IV.	Continuing calibration level 3	A/N	CCV ≤ 20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135W0BW218F	FA88605-3	Water	08/30/21
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 52134A9

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	9/3/21	265735 (closing)	E	60.0		All (dets)	J+ dets/A

Quality Control
Outlier Reports

FA88606

Method Blank Outlier Report

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VZ2590-MB	9/10/2021 3:29:00 PM	METHYLENE CHLORIDE	1.2 ug/L	2135W0BW211A 2135W0BW213F 2135W0BW214D 2135W0BW215F 2135W0BW219C 2135X00B163F 2135X0BW156F 2135X0BW159F 2135X0BW160D 2135X0BW161F 2135X0BW162D 2135X0BW164F 2135X0BW165C 2135X0BW166F 2135X0BW167F 2135XOU2154A 2135XOU2155F 2135XOU2157F 2135XOU2158F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135W0BW211A(1RES)	METHYLENE CHLORIDE	0.92 ug/L	0.92U ug/L
2135W0BW213F(1RES)	METHYLENE CHLORIDE	0.83 ug/L	0.83U ug/L
2135W0BW214D(1RES)	METHYLENE CHLORIDE	0.88 ug/L	0.88U ug/L
2135W0BW215F(1RES)	METHYLENE CHLORIDE	0.92 ug/L	0.92U ug/L
2135W0BW219C(1RES)	METHYLENE CHLORIDE	0.85 ug/L	0.85U ug/L
2135X00B163F(1RES)	METHYLENE CHLORIDE	0.64 ug/L	0.64U ug/L
2135X0BW156F(1RES)	METHYLENE CHLORIDE	0.54 ug/L	0.54U ug/L
2135X0BW159F(1RES)	METHYLENE CHLORIDE	0.60 ug/L	0.60U ug/L
2135X0BW160D(1RES)	METHYLENE CHLORIDE	0.59 ug/L	0.59U ug/L
2135X0BW161F(1RES)	METHYLENE CHLORIDE	0.61 ug/L	0.61U ug/L
2135X0BW162D(1RES)	METHYLENE CHLORIDE	0.64 ug/L	0.64U ug/L
2135X0BW164F(1RES)	METHYLENE CHLORIDE	0.70 ug/L	0.70U ug/L
2135X0BW165C(1RES)	METHYLENE CHLORIDE	0.70 ug/L	0.70U ug/L
2135X0BW166F(1RES)	METHYLENE CHLORIDE	0.85 ug/L	0.85U ug/L
2135X0BW167F(1RES)	METHYLENE CHLORIDE	0.79 ug/L	0.79U ug/L
2135XOU2154A(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2135XOU2157F(1RES)	METHYLENE CHLORIDE	0.57 ug/L	0.57U ug/L
2135XOU2158F(1RES)	METHYLENE CHLORIDE	0.58 ug/L	0.58U ug/L

Trip Blank Outlier Report

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
2135W0BW211A(1RES)	8/30/2021 7:00:00 AM	METHYLENE CHLORIDE	0.92 ug/L	2135W0BW213F 2135W0BW214D 2135W0BW215F 2135W0BW219C
2135XOU2154A(1RES)	8/30/2021 7:45:00 AM	METHYLENE CHLORIDE	0.52 ug/L	2135XOU2155F 2135XOU2157F 2135XOU2158F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135W0BW213F(1RES)	METHYLENE CHLORIDE	0.83 ug/L	0.83U ug/L
2135W0BW214D(1RES)	METHYLENE CHLORIDE	0.88 ug/L	0.88U ug/L
2135W0BW215F(1RES)	METHYLENE CHLORIDE	0.92 ug/L	0.92U ug/L
2135W0BW219C(1RES)	METHYLENE CHLORIDE	0.85 ug/L	0.85U ug/L
2135XOU2157F(1RES)	METHYLENE CHLORIDE	0.57 ug/L	0.57U ug/L
2135XOU2158F(1RES)	METHYLENE CHLORIDE	0.58 ug/L	0.58U ug/L

Field Blank Outlier Report

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
2135W0BW219C(1RES)	8/30/2021 4:15:00 PM	METHYLENE CHLORIDE	0.85 ug/L	2135W0BW213F 2135W0BW214D 2135W0BW215F
2135X0BW165C(1RES)	8/30/2021 1:25:00 PM	METHYLENE CHLORIDE	0.7 ug/L	2135X00B163F 2135X0BW156F 2135X0BW159F 2135X0BW160D 2135X0BW161F 2135X0BW162D 2135X0BW164F 2135X0BW166F 2135X0BW167F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135W0BW213F(1RES)	METHYLENE CHLORIDE	0.83 ug/L	0.83U ug/L
2135W0BW214D(1RES)	METHYLENE CHLORIDE	0.88 ug/L	0.88U ug/L
2135W0BW215F(1RES)	METHYLENE CHLORIDE	0.92 ug/L	0.92U ug/L
2135X00B163F(1RES)	METHYLENE CHLORIDE	0.64 ug/L	0.64U ug/L
2135X0BW156F(1RES)	METHYLENE CHLORIDE	0.54 ug/L	0.54U ug/L
2135X0BW159F(1RES)	METHYLENE CHLORIDE	0.60 ug/L	0.60U ug/L
2135X0BW160D(1RES)	METHYLENE CHLORIDE	0.59 ug/L	0.59U ug/L
2135X0BW161F(1RES)	METHYLENE CHLORIDE	0.61 ug/L	0.61U ug/L
2135X0BW162D(1RES)	METHYLENE CHLORIDE	0.64 ug/L	0.64U ug/L
2135X0BW164F(1RES)	METHYLENE CHLORIDE	0.70 ug/L	0.70U ug/L
2135X0BW166F(1RES)	METHYLENE CHLORIDE	0.85 ug/L	0.85U ug/L
2135X0BW167F(1RES)	METHYLENE CHLORIDE	0.79 ug/L	0.79U ug/L

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
2135X0BW156FMS 2135X0BW156FMSD (2135X0BW156F)	METHYLENE CHLORIDE	147	149	74.00-124.00	-	METHYLENE CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Analyte	Concentration (ug/L) 2135X0BW159F	Concentration (ug/L) 2135X0BW160D	Sample RPD	eQAPP RPD	Flag
CARBON TETRACHLORIDE	0.25 U	0.16	200	30.00	
CHLOROFORM	0.33	0.25	28	30.00	No Qualifiers Applied
METHYLENE CHLORIDE	0.60	0.59	2	30.00	

Analyte	Concentration (ug/L) 2135X0BW161F	Concentration (ug/L) 2135X0BW162D	Sample RPD	eQAPP RPD	Flag
METHYLENE CHLORIDE	0.61	0.64	5	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L) 2135W0BW213F	Concentration (ug/L) 2135W0BW214D	Sample RPD	eQAPP RPD	Flag
1,2-DICHLOROETHENE (TOTAL)	0.23	0.20	14	30.00	
METHYLENE CHLORIDE	0.83	0.88	6	30.00	No Qualifiers Applied
Trichloroethylene	0.56	0.53	6	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: FA88606 **Laboratory: ACTO**

EDD Filename: FA88606ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135W0BW211A	METHYLENE CHLORIDE	JB	0.92	2.0	LOQ	ug/L	J (all detects)
2135W0BW213F	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J JB	0.23 0.83	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135W0BW214D	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J JB	0.20 0.88	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135W0BW215F	CARBON TETRACHLORIDE CHLOROFORM METHYLENE CHLORIDE	J J JB	0.14 0.18 0.92	0.50 0.50 2.0	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
2135W0BW219C	METHYLENE CHLORIDE	JB	0.85	2.0	LOQ	ug/L	J (all detects)
2135X00B163F	CARBON TETRACHLORIDE METHYLENE CHLORIDE	J JB	0.23 0.64	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW156F	CARBON TETRACHLORIDE CHLOROFORM METHYLENE CHLORIDE	J J JB	0.37 0.41 0.54	0.50 0.50 2.0	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
2135X0BW159F	CHLOROFORM METHYLENE CHLORIDE	J JB	0.33 0.60	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW160D	CARBON TETRACHLORIDE CHLOROFORM METHYLENE CHLORIDE	J J JB	0.16 0.25 0.59	0.50 0.50 2.0	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
2135X0BW161F	METHYLENE CHLORIDE	JB	0.61	2.0	LOQ	ug/L	J (all detects)
2135X0BW162D	METHYLENE CHLORIDE	JB	0.64	2.0	LOQ	ug/L	J (all detects)
2135X0BW164F	METHYLENE CHLORIDE	JB	0.70	2.0	LOQ	ug/L	J (all detects)
2135X0BW165C	METHYLENE CHLORIDE	JB	0.70	2.0	LOQ	ug/L	J (all detects)
2135X0BW166F	CHLOROFORM METHYLENE CHLORIDE	J JB	0.36 0.85	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW167F	METHYLENE CHLORIDE	JB	0.79	2.0	LOQ	ug/L	J (all detects)
2135XOU2154A	METHYLENE CHLORIDE	JB	0.52	2.0	LOQ	ug/L	J (all detects)
2135XOU2155F	CHLOROFORM	J	0.22	0.50	LOQ	ug/L	J (all detects)
2135XOU2157F	CARBON TETRACHLORIDE METHYLENE CHLORIDE	J JB	0.22 0.57	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135XOU2158F	METHYLENE CHLORIDE	JB	0.58	2.0	LOQ	ug/L	J (all detects)

LDC #: 52134B1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88606 ADR Page: 1 of 2
Laboratory: SGS North America, Inc. Reviewer: Q
2nd Reviewer: KW

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15% . r^2 ICV ≤ 20%
IV.	Continuing calibration	A	CCV ≤ 20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135XOU2154A	FA88606-1	Water	08/30/21
2	2135XOU2155F	FA88606-2	Water	08/30/21
3	2135X0BW156F	FA88606-3	Water	08/30/21
4	2135XOU2157F	FA88606-4	Water	08/30/21
5	2135XOU2158F	FA88606-5	Water	08/30/21
6	2135X0BW159F	FA88606-6	Water	08/30/21
7	2135X0BW160D	FA88606-7	Water	08/30/21
8	2135X0BW161F	FA88606-8	Water	08/30/21
9	2135X0BW162D	FA88606-9	Water	08/30/21
10	2135X00B163F	FA88606-10	Water	08/30/21
11	2135X0BW164F	FA88606-11	Water	08/30/21
12	2135X0BW165C	FA88606-12	Water	08/30/21
13	2135X0BW166F	FA88606-13	Water	08/30/21
14	2135X0BW167F	FA88606-14	Water	08/30/21

LDC #: 52134B1a **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88606 ADR Page: 2 of 2
Laboratory: SGS North America, Inc. Reviewer: 9
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

	Client ID	Lab ID	Matrix	Date
15	2135W0BW213F	FA88606-15	Water	08/30/21
16	2135W0BW214D	FA88606-16	Water	08/30/21
17	2135W0BW211A	FA88606-17	Water	08/30/21
18	2135W0BW215F	FA88606-18	Water	08/30/21
19	2135W0BW219C	FA88606-19	Water	08/30/21
20	2135X0BW156FMS	FA88606-3MS	Water	08/30/21
21	2135X0BW156FMSD	FA88606-3MSD	Water	08/30/21
22				
23				
24				

Notes:

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 57134B1

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and RLs

Page: 1 of 1
Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N ~~N/A~~ Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N (N/A) Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		All	E - Suspected lab contaminant		Verify/A

Comments: See sample calculation verification worksheet for recalculations

Quality Control
Outlier Reports

FA88620

Method Blank Outlier Report

Lab Reporting Batch ID: FA88620 **Laboratory: ACTO**

EDD Filename: FA88620ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VZ2590-MB	9/10/2021 3:29:00 PM	METHYLENE CHLORIDE	1.2 ug/L	2135XOU2168A

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135XOU2168A(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L

Trip Blank Outlier Report

Lab Reporting Batch ID: FA88620 **Laboratory: ACTO**

EDD Filename: FA88620ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
2135XOU2168A(1RES)	8/31/2021 7:30:00 AM	METHYLENE CHLORIDE	0.52 ug/L	2135X0BW171F 2135X0BW172F 2135X0BW173F 2135X0BW174D 2135X0BW175C 2135X0BW176F 2135X0BW177F 2135X0BW178F 2135X0BW179F 2135X0BW180D 2135X0BW181F 2135X0BW182F 2135X0BW183F 2135X0BW185F 2135X0BW187F 2135X0BW188F 2135X0BW189F 2135X0BW190F

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FA88620 **Laboratory: ACTO**

EDD Filename: FA88620ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
2135X0BW171FMSD (2135X0BW171F)	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	- -	122 129	79.00-121.00 74.00-124.00	- -	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FA88620 **Laboratory: ACTO**

EDD Filename: FA88620ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Analyte	Concentration (ug/L) 2135X0BW179F	Concentration (ug/L) 2135X0BW180D	Sample RPD	eQAPP RPD	Flag
CARBON TETRACHLORIDE	1.3	1.2	8	30.00	No Qualifiers Applied
CHLOROFORM	0.16	0.18	12	30.00	

Analyte	Concentration (ug/L) 2135X0BW173F	Concentration (ug/L) 2135X0BW174D	Sample RPD	eQAPP RPD	Flag
CARBON TETRACHLORIDE	0.43	0.45	5	30.00	No Qualifiers Applied

Project Name and Number: 21065 - Fort Ord Groundwater Monitoring

Reporting Limit Outliers

Lab Reporting Batch ID: FA88620 **Laboratory: ACTO**

EDD Filename: FA88620ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135X0BW171F	CARBON TETRACHLORIDE	J	0.17	0.50	LOQ	ug/L	J (all detects)
2135X0BW172F	CHLOROFORM Trichloroethylene	J J	0.13 0.27	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW173F	CARBON TETRACHLORIDE	J	0.43	0.50	LOQ	ug/L	J (all detects)
2135X0BW174D	CARBON TETRACHLORIDE	J	0.45	0.50	LOQ	ug/L	J (all detects)
2135X0BW176F	CHLOROFORM Trichloroethylene	J J	0.15 0.43	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW177F	CARBON TETRACHLORIDE	J	0.36	0.50	LOQ	ug/L	J (all detects)
2135X0BW178F	CARBON TETRACHLORIDE	J	0.43	0.50	LOQ	ug/L	J (all detects)
2135X0BW179F	CHLOROFORM	J	0.16	0.50	LOQ	ug/L	J (all detects)
2135X0BW180D	CHLOROFORM	J	0.18	0.50	LOQ	ug/L	J (all detects)
2135X0BW181F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)
2135X0BW182F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)
2135X0BW183F	CHLOROFORM	J	0.48	0.50	LOQ	ug/L	J (all detects)
2135X0BW185F	CHLOROFORM	J	0.23	0.50	LOQ	ug/L	J (all detects)
2135X0BW189F	CHLOROFORM	J	0.41	0.50	LOQ	ug/L	J (all detects)
2135XOU2168A	METHYLENE CHLORIDE	JB	0.52	2.0	LOQ	ug/L	J (all detects)

LDC #: 52134C1a

VALIDATION COMPLETENESS WORKSHEET

ADR

Date: 10/7/21

SDG #: FA88620

Page: 1 of 2

Laboratory: SGS North America, Inc.

Reviewer: CJ

2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15%. r^2 ICV ≤ 20%
IV.	Continuing calibration	A	CCV ≤ 20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	SW	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135XOU2168A	FA88620-1	Water	08/31/21
2	2135X0BW171F	FA88620-2	Water	08/31/21
3	2135X0BW172F	FA88620-3	Water	08/31/21
4	2135X0BW173F	FA88620-4	Water	08/31/21
5	2135X0BW174D	FA88620-5	Water	08/31/21
6	2135X0BW175C	FA88620-6	Water	08/31/21
7	2135X0BW176F	FA88620-7	Water	08/31/21
8	2135X0BW177F	FA88620-8	Water	08/31/21
9	2135X0BW178F	FA88620-9	Water	08/31/21
10	2135X0BW179F	FA88620-10	Water	08/31/21
11	2135X0BW180D	FA88620-11	Water	08/31/21
12	2135X0BW181F	FA88620-12	Water	08/31/21
13	2135X0BW182F	FA88620-13	Water	08/31/21
14	2135X0BW183F	FA88620-14	Water	08/31/21

LDC #: 52134C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88620 ADR Page: 2 of 2
Laboratory: SGS North America, Inc. Reviewer: CL
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

	Client ID	Lab ID	Matrix	Date
15	2135X0BW185F	FA88620-15	Water	08/31/21
16	2135X0BW187F	FA88620-16	Water	08/31/21
17	2135X0BW188F	FA88620-17	Water	08/31/21
18	2135X0BW189F	FA88620-18	Water	08/31/21
19	2135X0BW190F	FA88620-19	Water	08/31/21
20	2135X0BW171FMS	FA88620-2MS	Water	08/31/21
21	2135X0BW171FMSD	FA88620-2MSD	Water	08/31/21
22				
23				
24				

Notes:

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 52134c1a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and RLs

Page: 1 of 1
Reviewer: q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N (N/A)	Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?
Y N (N/A)	Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		~~All~~ #1	Z - Suspected lab contaminant		Jdets/A

Comments: See sample calculation verification worksheet for recalculations

COMQUA 1SB

Quality Control
Outlier Reports

FA88736

Method Blank Outlier Report

Lab Reporting Batch ID: FA88736 **Laboratory: ACTO**

EDD Filename: FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VO2557-MB	9/13/2021 3:51:00 PM	METHYLENE CHLORIDE	0.60 ug/L	2135X00B195F 2135X0BW191A 2135X0BW192F 2135X0BW193F 2135X0BW194F 2135X0BW196F 2135X0BW197F 2135X0BW199F 2135X0BW200D 2135X0BW201F 2135X0BW202F 2135X0BW203F 2135X0BW204F 2135X0BW206F 2135X0BW207F 2135X0BW208F 2135X0BW209F 2135X0BW210D 2135X0BW211F 2135X0BW217A
VO2558-MB	9/14/2021 3:03:00 AM	METHYLENE CHLORIDE	0.53 ug/L	2135X0BW214F 2135X0BW215F 2135X0BW216F 2135X0BW220F 2135X0BW221F 2135X0BW223F 2135X0BW224F 2135X0BW225F 2135X0BW226F 2135X0BW227F 2135X0BW228F 2135X0BW229F 2135X0BW230F
VO2559-MB	9/14/2021 1:47:00 PM	METHYLENE CHLORIDE	1.9 ug/L	2135W0BW239F 2135X0BW222F 2135X0BW231F 2135X0BW232F 2135X0BW233F 2135X0BW234D 2135XOU2236F 2135XOU2237D

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2135X0BW222F(1RES)	METHYLENE CHLORIDE	0.54 ug/L	0.54U ug/L
2135X0BW229F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FA88736 **Laboratory: ACTO**

EDD Filename: FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
2135X0BW194FMS 2135X0BW194FMSD (2135X0BW194F)	METHYLENE CHLORIDE	132	131	74.00-124.00	-	METHYLENE CHLORIDE	J+ (all detects)
2135X0BW215FMS 2135X0BW215FMSD (2135X0BW215F)	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	- 145	122 144	79.00-121.00 74.00-124.00	- -	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J+(all detects)
2135X0BW231FMS 2135X0BW231FMSD (2135X0BW231F)	METHYLENE CHLORIDE	143	136	74.00-124.00	-	METHYLENE CHLORIDE	J+(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FA88736 **Laboratory: ACTO**

EDD Filename: FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Analyte	Concentration (ug/L) 2135X0BW209F	Concentration (ug/L) 2135X0BW210D	Sample RPD	eQAPP RPD	Flag
TETRACHLOROETHYLENE	0.25 U	0.10	200	30.00	No Qualifiers Applied
Trichloroethylene	0.59	0.61	3	30.00	

Analyte	Concentration (ug/L) 2135X0BW233F	Concentration (ug/L) 2135X0BW234D	Sample RPD	eQAPP RPD	Flag
CARBON TETRACHLORIDE	1.1	0.97	13	30.00	No Qualifiers Applied
CHLOROFORM	0.22	0.21	5	30.00	

Analyte	Concentration (ug/L) 2135XOU2236F	Concentration (ug/L) 2135XOU2237D	Sample RPD	eQAPP RPD	Flag
CARBON TETRACHLORIDE	0.36	0.28	25	30.00	No Qualifiers Applied
CHLOROFORM	0.13	0.13	0	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: FA88736 **Laboratory: ACTO**

EDD Filename: FA88736ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2135X00B195F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.34 0.14	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW192F	CHLOROFORM	J	0.36	0.50	LOQ	ug/L	J (all detects)
2135X0BW193F	CHLOROFORM	J	0.16	0.50	LOQ	ug/L	J (all detects)
2135X0BW196F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.22 0.12	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW202F	CHLOROFORM	J	0.23	0.50	LOQ	ug/L	J (all detects)
2135X0BW203F	CHLOROFORM Trichloroethylene	J J	0.19 0.21	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW208F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.43 0.31	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW210D	TETRACHLOROETHYLENE	J	0.10	0.50	LOQ	ug/L	J (all detects)
2135X0BW211F	TETRACHLOROETHYLENE	J	0.11	0.50	LOQ	ug/L	J (all detects)
2135X0BW214F	CARBON TETRACHLORIDE CHLOROFORM Trichloroethylene	J J J	0.32 0.21 0.20	0.50 0.50 0.50	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
2135X0BW216F	CHLOROFORM	J	0.22	0.50	LOQ	ug/L	J (all detects)
2135X0BW220F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.32 0.11	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW221F	CHLOROFORM	J	0.24	0.50	LOQ	ug/L	J (all detects)
2135X0BW222F	CHLOROFORM METHYLENE CHLORIDE	J JB	0.42 0.54	0.50 2.0	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW224F	CARBON TETRACHLORIDE	J	0.14	0.50	LOQ	ug/L	J (all detects)
2135X0BW225F	CHLOROFORM	J	0.24	0.50	LOQ	ug/L	J (all detects)
2135X0BW228F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.34 0.14	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW229F	CARBON TETRACHLORIDE CHLOROFORM METHYLENE CHLORIDE	J J JB	0.33 0.16 0.53	0.50 0.50 2.0	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
2135X0BW230F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.16 0.18	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW231F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.20 0.18	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135X0BW232F	CHLOROFORM	J	0.25	0.50	LOQ	ug/L	J (all detects)
2135X0BW233F	CHLOROFORM	J	0.22	0.50	LOQ	ug/L	J (all detects)
2135X0BW234D	CHLOROFORM	J	0.21	0.50	LOQ	ug/L	J (all detects)
2135XOU2236F	CARBON TETRACHLORIDE CHLOROFORM	J J	0.36 0.13	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135XOU2237D	CARBON TETRACHLORIDE CHLOROFORM	J J	0.28 0.13	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)

LDC #: 52134D1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88736 ADR/Stage 4 Page: 1 of 2
Laboratory: SGS North America, Inc. Reviewer: CK
2nd Reviewer: KC

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15%. r² ICV ≤ 20%
IV.	Continuing calibration / Closing CCV	A	CCV ≤ 20/50%
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	FB=1, 41.
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	SW	D=8+9. 17+18. 36+37. 38+39 - See ADR Report
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation.
XIV.	System performance	A	Reviewed for Stage 4 validation.
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank
**Indicates samples underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2135X0BW191A	FA88736-1	Water	09/01/21
2	2135X0BW192F**	FA88736-2**	Water	09/01/21
3	2135X0BW193F	FA88736-3	Water	09/01/21
4	2135X0BW194F	FA88736-4	Water	09/01/21
5	2135X0BW195F	FA88736-5	Water	09/01/21
6	2135X0BW196F**	FA88736-6**	Water	09/01/21
7	2135X0BW197F	FA88736-7	Water	09/01/21
8	2135X0BW199F	FA88736-8	Water	09/01/21
9	2135X0BW200D	FA88736-9	Water	09/01/21
10	2135X0BW201F	FA88736-10	Water	09/01/21
11	2135X0BW202F	FA88736-11	Water	09/01/21
12	2135X0BW203F**	FA88736-12**	Water	09/01/21
13	2135X0BW204F	FA88736-13	Water	09/01/21
14	2135X0BW206F	FA88736-14	Water	09/01/21

LDC #: 52134D1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88736 ADR/Stage 4 Page: 2 of 2
Laboratory: SGS North America, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

	Client ID	Lab ID	Matrix	Date
15	2135X0BW207F	FA88736-15	Water	09/01/21
16	2135X0BW208F**	FA88736-16**	Water	09/01/21
17	2135X0BW209F	FA88736-17	Water	09/01/21
18	2135X0BW210D	FA88736-18	Water	09/01/21
19	2135X0BW211F	FA88736-19	Water	09/01/21
20	2135X0BW214F**	FA88736-20**	Water	09/01/21
21	2135X0BW215F	FA88736-21	Water	09/01/21
22	2135X0BW216F	FA88736-22	Water	09/01/21
23	2135X0BW220F	FA88736-23	Water	09/02/21
24	2135X0BW221F	FA88736-24	Water	09/02/21
25	2135X0BW223F	FA88736-25	Water	09/02/21
26	2135X0BW224F	FA88736-26	Water	09/02/21
27	2135X0BW225F	FA88736-27	Water	09/02/21
28	2135X0BW226F	FA88736-28	Water	09/02/21
29	2135X0BW227F	FA88736-29	Water	09/02/21
30	2135X0BW228F	FA88736-30	Water	09/02/21
31	2135X0BW229F**	FA88736-31**	Water	09/02/21
32	2135X0BW230F	FA88736-32	Water	09/02/21
33	2135X0BW231F	FA88736-33	Water	09/02/21
34	2135X0BW232F	FA88736-34	Water	09/02/21
35	2135X0BW222F**	FA88736-35**	Water	09/02/21
36	2135X0BW233F	FA88736-36	Water	09/02/21
37	2135X0BW234D	FA88736-37	Water	09/02/21
38	2135XOU2236F**	FA88736-38**	Water	09/02/21
39	2135XOU2237D	FA88736-39	Water	09/02/21
40	2135X0BW239F	FA88736-40	Water	09/02/21
41	2135X0BW217A	FA88736-41	Water	09/02/21
42	2135X0BW194FMS	FA88736-4MS	Water	09/01/21
43	2135X0BW194FMSD	FA88736-4MSD	Water	09/01/21
44	2135X0BW215FMS	FA88736-21MS	Water	09/01/21
45	2135X0BW215FMSD	FA88736-21MSD	Water	09/01/21
46	2135X0BW231FMS	FA88736-33MS	Water	09/02/21
47	2135X0BW231FMSD	FA88736-33MSD	Water	09/02/21
48				
49	VO-2557 / VO-2558 / VO2559			

LDC #: 52134016

VALIDATION FINDINGS CHECKLIST

Reviewer: Q

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) ≥ 0.05??	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent difference (%D) ≤20%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?	✓			
VI. Field blanks				
Were field blanks identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?	✓			
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 52134D16

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and RLs

Page: 1 of 1
Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

(Y) N N/A Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		31, 35	e - Suspected lab contaminant		√ bets / D

Comments: See sample calculation verification worksheet for recalculations

LDC #: 52134016

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	9/13/21	O (1st internal standard)	0.736	0.736	0.712	0.712	9.15	9.14
			AA (2nd internal standard)	0.811	0.811	0.802	0.802	5.52	5.50
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52134016

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	065178	9/13/17	O (1st internal standard)	0.712	0.705	0.705	1.0	1.0
			AA (2nd internal standard)	0.802	0.766	0.766	4.5	4.5
			(3rd internal standard)					
			(4th internal standard)					
2	065207	9/14/17	O (1st internal standard)	0.712	0.727	0.727	2.1	2.1
			AA (2nd internal standard)	0.802	0.817	0.817	1.9	1.9
			(3rd internal standard)					
			(4th internal standard)					
3	065229	9/14/17	O (1st internal standard)	0.712	0.795	0.795	11.7	11.7
			AA (2nd internal standard)	0.802	0.869	0.869	8.4	8.4
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52134D1b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: CL

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.0	5.03	101	101	
Toluene-d8	↓	4.97	99	99	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 52134016

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSC | * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 44/45

Compound	Spike Added (µg/L)		Sample Concentration (µg/L)	Spiked Sample Concentration (µg/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
H	25	25	ND	30.2	31.0	121	121	124	124	3	3
S	↓	↓	↓	28.2	28.6	113	113	114	114	1	1

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52134016

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: V02557-BS

Compound	Spike Added (MRL)		Spiked Sample Concentration (CRQL)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
H	5	NA	5.2	NA	104	104				
S	✓	✓	4.9	✓	98	98				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52134016

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: QL

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 35 , 0 :

Conc. = $\frac{(26340)(5.00)(1)}{(34216)(0.712)(\quad)(\quad)}$

= 5.41 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration ( )	Qualification
	35	0	5.4		

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Ahtna Global, LLC.
9699 Blue Larkspur Lane, Suite 201
Monterey, CA 93940
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

October 6, 2021

SUBJECT: Fort Ord, OUCTP Lower - Data Validation

Dear Mr. Schmidt,

Enclosed is the final validation report for the fraction listed below. This SDG was received on October 1, 2021. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #52168:

SDG #	Fraction
FA89261	Volatiles

The data validation was performed under Stage 2B guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

ADR/Stage 4 90/10 **LDC# 52168 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-Lower)** **Project # 21065.000.01.0000**

LDC	SDG#	DATE REC'D	(3) DATE DUE	(3)VOA (8260B -SIM)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FA89261	10/01/21	10/08/21	1	0																																
Total	T/PG			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

LDC Report# 52168

Automated Data Review Data Validation Report
Fort Ord, OUCTP-Lower

Sample Delivery Group(s)

FA89261

October 6, 2021

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the September 2021 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J+ (Estimated, High Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying high bias, due to non-conformances discovered during data validation.

J- (Estimated, Low Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying low bias, due to non-conformances discovered during data validation.

J (Estimated, Bias Indeterminate): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation. Bias is indeterminate.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not applicable): Data did not warrant qualification since detected results only are affected and the analyte was not detected in the associated samples.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for this method, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-Sep-2021	2138M0BW168F	FA89261-1	N	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FA89261

Laboratory: ACTO

EDD Filename: FA89261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

FA89261

(No Outliers)

LDC #: 52168A1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/04/21
SDG #: FA89261 ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: JVG
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments	
I.	Sample receipt/Technical holding times	N/N		
II.	GC/MS Instrument performance check	A		
III.	Initial calibration/ICV	A/A	RSD ≤15%	ICV ≤20%
IV.	Continuing calibration/closing	A	CCV ≤20/50%	
V.	Laboratory Blanks	N	Not reviewed for ADR validation	
VI.	Field blanks	N		
VII.	Surrogate spikes	N	Not reviewed for ADR validation	
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation	
IX.	Laboratory control samples	N	Not reviewed for ADR validation	
X.	Field duplicates	N		
XI.	Internal standards	A		
XII.	Target analyte quantitation	N	Not reviewed for ADR validation	
XIII.	Target analyte identification	N	Not reviewed for ADR validation	
XIV.	System performance	N	Not reviewed for ADR validation	
XV.	Overall assessment of data	A		

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	2138M0BW168F	FA89261-1	Water	09/23/21
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

	VO2567-MB						

(O, L, S only)

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

October 13, 2021

SUBJECT: Fort Ord, OUCTP-A, Data Validation

Dear Mr. Schmidt,

Enclosed is the final validation report for the fraction listed below. This SDG was received on October 1, 2021. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #52169:

SDG #	Fraction
FA89262	Volatiles

The data validation was performed under Stage 2B guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

28 pages-ADV 1 WEEK TAT Attachment 1

ADR/Stage 4 90/10 **LDC# 52169 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-A)** **Project # 21065.000.01.0000**

LDC	SDG#	DATE REC'D	(3) DATE DUE	(8)VOA (8260B-SIM)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FA89262	10/01/21	10/08/21	1	0																																
Total	T/PG			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

LDC Report# 52169

Automated Data Review Data Validation Report
Fort Ord, OUCTP-A

Sample Delivery Group(s)

FA89262

October 13, 2021

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the September 2021 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J+ (Estimated, High Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying high bias, due to non-conformances discovered during data validation.

J- (Estimated, Low Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying low bias, due to non-conformances discovered during data validation.

J (Estimated, Bias Indeterminate): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation. Bias is indeterminate.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not applicable): Data did not warrant qualification since detected results only are affected and the analyte was not detected in the associated samples.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Flag	A or P
FA89262	09/22/21	Vinyl chloride	34.3	2138M0BW167F	NA	-

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks with the exception of one blank for methylene chloride. The associated sample results were not detected or were significantly greater than the concentrations found in the blanks, therefore no data were qualified. The details are presented in Enclosure I.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for this method, and therefore matrix spike and matrix spike duplicate analyses were not performed.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All analytes reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to results below the LOQ, data were qualified as estimated in one sample.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-Sep-2021	2138M0BW167F	FA89262-1	N	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FA89262 **Laboratory: ACTO**

EDD Filename: FA89262ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method Category: **VOA**

Method: **EPA8260-SIM** ***Matrix:*** **AQ**

Sample ID:**2138M0BW167F** ***Collected:*****9/23/2021 11:58:00** ***Analysis Type:*****1RES** ***Dilution:*** **1.00**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHLOROFORM	0.31	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CARBON TETRACHLORIDE	0.48	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA89262 **Laboratory: ACTO**

EDD Filename: FA89262ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Reason Code Legend

Reason Code	*Description*
Mb	Method Blank Contamination
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

FA89262

Method Blank Outlier Report

Lab Reporting Batch ID: FA89262 **Laboratory: ACTO**

EDD Filename: FA89262ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VO2567-MB	9/24/2021 15:29:00	METHYLENE CHLORIDE	1.1 ug/L	2138M0BW167F

Project Name and Number: - Fort Ord Groundwater Monitoring

Reporting Limit Outliers

Lab Reporting Batch ID: FA89262 **Laboratory: ACTO**

EDD Filename: FA89262ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2138M0BW167F	CARBON TETRACHLORIDE	J	0.48	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.31	0.50	LOQ	ug/L	

Project Name and Number: - Fort Ord Groundwater Monitoring

LDC #: 52169A1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/04/21
SDG #: FA89262 ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: JVG
2nd Reviewer: 14K

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/SW	RSD ≤15% r2 ICV ≤20%
IV.	Continuing calibration	A	CCV ≤20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	2138M0BW167F	FA89262-1	Water	09/23/21
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

	VO2567-MB						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 52169A1b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

↓

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Associated Samples	Qualifications
	09/22/21	icv2566-5	C	34.3	All (ND)	J+ dets/A

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

October 13, 2021

SUBJECT: Fort Ord, OUCTP Lower - Data Validation

Dear Mr. Schmidt,

Enclosed is the final validation report for the fraction listed below. These SDGs were received on September 23, 2021. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #52130:

SDG #	Fraction
FA88607	Volatiles
FA88610	
FA88755	

The data validation was performed under Stage 2B & 4 guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

156 pages-ADV

Attachment 1

ADR/Stage 4 90/10 **LDC# 52130 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-Lower)** **Project # 21065.000.01.0000**

LDC	SDG#	DATE REC'D	(3) DATE DUE	(3)VOA (8260B -SIM)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FA88607	09/23/21	10/14/21	4	0																																
B	FA88610	09/23/21	10/14/21	15	0																																
B	FA88610	09/23/21	10/14/21	3	0																																
C	FA88755	09/23/21	10/14/21	6	0																																
Total	T/PG			28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs L:\Ahtna\Fort Ord\OUCTP-Lower\52130ST-OUCTP-Lower.wpd

LDC Report# 52130

Automated Data Review Data Validation Report
Fort Ord, OUCTP-Lower

Sample Delivery Group(s)

FA88607
FA88610
FA88755

October 13, 2021

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August through September 2021 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J+ (Estimated, High Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying high bias, due to non-conformances discovered during data validation.

J- (Estimated, Low Bias): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated, displaying low bias, due to non-conformances discovered during data validation.

J (Estimated, Bias Indeterminate): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation. Bias is indeterminate.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detect at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not applicable): Data did not warrant qualification since detected results only are affected and the analyte was not detected in the associated samples.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all compounds.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

Three trip blanks were collected and analyzed. No contaminants were found.

One equipment blank was collected and analyzed. No contaminants were found.

Two field blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of twelve samples. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of one MS/MSD pair for carbon tetrachloride and trichloroethylene. The associated sample results were qualified as detected estimated (J/J-/J+) or non-detected estimated (UJ) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Field Duplicates

One field duplicate pair was collected and analyzed. All RPDs and absolute differences were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All compounds reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target compound identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in these SDGs.

Due to surrogate %R, data were qualified as estimated in ten samples.

Due to results below the LOQ, data were qualified as estimated in eleven samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
29-Aug-2021	2135W0BW208A	FA88607-2	TB	5030B	EPA8260-SIM	Stage 2B
29-Aug-2021	2135W0BW209F	FA88607-1	N	5030B	EPA8260-SIM	Stage 2B
29-Aug-2021	2135W0BW210C	FA88607-3	FB	5030B	EPA8260-SIM	Stage 2B
29-Aug-2021	2135W0BW210CMS	FA88607-3MS	MS	5030B	EPA8260-SIM	Stage 2B
29-Aug-2021	2135W0BW210CMSD	FA88607-3MSD	MSD	5030B	EPA8260-SIM	Stage 2B
30-Aug-2021	2135W0BW212F	FA88607-4	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW227A	FA88610-6	TB	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW220F	FA88610-1	N	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135W0BW220FMS	FA88610-1MS	MS	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135W0BW220FMSD	FA88610-1MSD	MSD	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135WOU2221F	FA88610-14	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW223F	FA88610-2	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW224F	FA88610-3	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW225F	FA88610-4	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW226F	FA88610-5	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135WOU2228F	FA88610-15	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW230F	FA88610-7	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135YOU2038F	FA88610-16	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135YOU2039F	FA88610-17	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW232F	FA88610-8	N	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135W0BW233F	FA88610-9	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135Y0BW044F	FA88610-18	N	5030B	EPA8260-SIM	Stage 4
31-Aug-2021	2135W0BW234F	FA88610-10	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW235F	FA88610-11	N	5030B	EPA8260-SIM	Stage 2B
31-Aug-2021	2135W0BW236C	FA88610-12	FB	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample *FD = Field Duplicate* *EB = Equipment Blank* *FB = Field Blank* *TB = Trip Blank*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
31-Aug-2021	2135W0BW237B	FA88610-13	EB	5030B	EPA8260-SIM	Stage 2B
01-Sep-2021	2135YOU2052F	FA88755-1	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW219F	FA88755-2	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW219FMS	FA88755-2MS	MS	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135X0BW219FMSD	FA88755-2MSD	MSD	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135Z0BW001F	FA88755-3	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135Z0BW002A	FA88755-4	TB	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135Z0BW003F	FA88755-5	N	5030B	EPA8260-SIM	Stage 2B
02-Sep-2021	2135Z0BW004D	FA88755-6	FD	5030B	EPA8260-SIM	Stage 2B

N = Normal Sample *FD = Field Duplicate* *EB = Equipment Blank* *FB = Field Blank* *TB = Trip Blank*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FA88607, FA88610, FA88755 **Laboratory: ACTO**

EDD Filename: PrepFA88607ACTO, PrepFA88610ACTO, PrepFA88755ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88607

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

*Sample ID:*2135W0BW209F *Collected:*8/29/2021 11:45:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.39	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

SDG: FA88610

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

*Sample ID:*2135W0BW220F *Collected:*8/31/2021 8:54:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

*Sample ID:*2135W0BW224F *Collected:*8/31/2021 10:30:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.40	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

*Sample ID:*2135W0BW225F *Collected:*8/31/2021 10:40:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	3.0		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

*Sample ID:*2135W0BW226F *Collected:*8/31/2021 10:50:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.31	J	0.25	LOD	0.50	LOQ	ug/L	J	RI, Surr

*Sample ID:*2135W0BW230F *Collected:*8/31/2021 12:05:00 *Analysis Type:*1RES *Dilution:* 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	1.1		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88607, FA88610, FA88755 **Laboratory: ACTO**

EDD Filename: PrepFA88607ACTO, PrepFA88610ACTO, PrepFA88755ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88610

Method Category: **VOA**

Method: **EPA8260-SIM** ***Matrix:*** **AQ**

Sample ID: **2135W0BW234F** ***Collected:*** **8/31/2021 16:00:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	1.3		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

Sample ID: **2135W0BW235F** ***Collected:*** **8/31/2021 16:15:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.37	J	0.25	LOD	0.50	LOQ	ug/L	J	RI, Surr

Sample ID: **2135WOU2221F** ***Collected:*** **8/31/2021 9:50:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	1.1		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

Sample ID: **2135WOU2228F** ***Collected:*** **8/31/2021 11:45:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.35	J	0.25	LOD	0.50	LOQ	ug/L	J	RI, Surr

Sample ID: **2135Y0BW044F** ***Collected:*** **8/31/2021 14:50:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI, Surr
Trichloroethylene	10.0		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

Sample ID: **2135YOU2038F** ***Collected:*** **8/31/2021 13:15:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	3.6		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

Sample ID: **2135YOU2039F** ***Collected:*** **8/31/2021 13:25:00** ***Analysis Type:*** **1RES** ***Dilution:*** **1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	2.2		0.25	LOD	0.50	LOQ	ug/L	J+	Surr

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88607, FA88610, FA88755 **Laboratory: ACTO**

EDD Filename: PrepFA88607ACTO, PrepFA88610ACTO, PrepFA88755ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

SDG: FA88755

Method Category: VOA

Method: EPA8260-SIM *Matrix:* AQ

***Sample ID:*2135X0BW219F** ***Collected:*9/2/2021 8:23:00** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.12	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CARBON TETRACHLORIDE	0.44	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135Z0BW001F** ***Collected:*9/2/2021 8:45:00** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.24	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135Z0BW003F** ***Collected:*9/2/2021 9:05:00** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.17	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

***Sample ID:*2135Z0BW004D** ***Collected:*9/2/2021 9:10:00** ***Analysis Type:*1RES** ***Dilution:* 1.00**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Data Qualifier Summary

Lab Reporting Batch ID: FA88607, FA88610, FA88755

Laboratory: ACTO

EDD Filename: PrepFA88607ACTO, PrepFA88610ACTO, PrepFA88755ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

Reason Code	*Description*
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Lower Estimation
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

FA88607

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FA88607 **Laboratory: ACTO**

EDD Filename: FA88607ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
2135W0BW210CMS (2135W0BW210C)	CARBON TETRACHLORIDE Trichloroethylene	143 132	- -	72.00-136.00 79.00-123.00	- -	CARBON TETRACHLORIDE Trichloroethylene	J+ (all detects)

Project Name and Number: - Fort Ord Groundwater Monitoring

Reporting Limit Outliers

Lab Reporting Batch ID: FA88607 **Laboratory: ACTO**

EDD Filename: FA88607ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM

Matrix: AQ

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135W0BW209F	CARBON TETRACHLORIDE	J	0.39	0.50	LOQ	ug/L	J (all detects)

Project Name and Number: - Fort Ord Groundwater Monitoring

LDC #: 52130A1aW

VALIDATION COMPLETENESS WORKSHEET

ADR

Date: 10/7/21

SDG #: FA88607

Page: 1 of 1

Laboratory: SGS North America, Inc.

Reviewer: A

2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B) SIM

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	RSD ≤ 15%. ICV ≤ 20%
IV.	Continuing calibration	A	CCV ≤ 20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135WOBW209F	FA88607-1	Water	08/29/21
2	2135WOBW208A	FA88607-2	Water	08/29/21
3	2135WOBW210C	FA88607-3	Water	08/29/21
4	2135WOBW212F	FA88607-4	Water	08/30/21
5	2135WOBW210CMS	FA88607-3MS	Water	08/29/21
6	2135WOBW210CMSD	FA88607-3MSD	Water	08/29/21
7				
8				
9				

Notes:

Quality Control
Outlier Reports

FA88610

Surrogate Outlier Report

Lab Reporting Batch ID: FA88610 **Laboratory: ACTO**

EDD Filename: FA88610ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: **EPA8260-SIM**
Matrix: **AQ**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
2135W0BW225F (1RES)	1,2-Dichloroethane-d4 (Surr)	119	81.00-118.00	All Target Analytes	J+ (all detects)
2135W0BW226F (1RES)	1,2-Dichloroethane-d4 (Surr)	120	81.00-118.00	All Target Analytes	J+(all detects)
2135W0BW230F (1RES)	1,2-Dichloroethane-d4 (Surr)	120	81.00-118.00	All Target Analytes	J+(all detects)
2135W0BW234F (1RES)	1,2-Dichloroethane-d4 (Surr)	122	81.00-118.00	All Target Analytes	J+(all detects)
2135W0BW235F (1RES)	1,2-Dichloroethane-d4 (Surr)	122	81.00-118.00	All Target Analytes	J+(all detects)
2135W0BW236C (1RES)	1,2-Dichloroethane-d4 (Surr)	121	81.00-118.00	All Target Analytes	J+(all detects)
2135W0BW237B (1RES)	1,2-Dichloroethane-d4 (Surr)	124	81.00-118.00	All Target Analytes	J+(all detects)
2135WOU2221F (1RES)	1,2-Dichloroethane-d4 (Surr)	124	81.00-118.00	All Target Analytes	J+(all detects)
2135WOU2228F (1RES)	1,2-Dichloroethane-d4 (Surr)	126	81.00-118.00	All Target Analytes	J+(all detects)
2135Y0BW044F (1RES)	1,2-Dichloroethane-d4 (Surr)	128	81.00-118.00	All Target Analytes	J+(all detects)
2135YOU2038F (1RES)	1,2-Dichloroethane-d4 (Surr)	127	81.00-118.00	All Target Analytes	J+(all detects)
2135YOU2039F (1RES)	1,2-Dichloroethane-d4 (Surr)	125	81.00-118.00	All Target Analytes	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: FA88610 **Laboratory: ACTO**

EDD Filename: FA88610ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2135W0BW220F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)
2135W0BW224F	Trichloroethylene	J	0.40	0.50	LOQ	ug/L	J (all detects)
2135W0BW226F	CARBON TETRACHLORIDE	J	0.31	0.50	LOQ	ug/L	J (all detects)
2135W0BW235F	Trichloroethylene	J	0.37	0.50	LOQ	ug/L	J (all detects)
2135WOU2228F	Trichloroethylene	J	0.35	0.50	LOQ	ug/L	J (all detects)
2135Y0BW044F	CARBON TETRACHLORIDE	J	0.14	0.50	LOQ	ug/L	J (all detects)

LDC #: 52130B1b **VALIDATION COMPLETENESS WORKSHEET** Date: 4/15/21 10/7/21
SDG #: FA88610 ADR/Stage 4 Page: 1 of 2
Laboratory: SGS North America, Inc. Reviewer: PG
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15%. ICV ≤ 20%
IV.	Continuing calibration / Closing CCV	A	CCV ≤ 20/30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB=6, EB=13. TB=12
VII.	Surrogate spikes	SW	See ADR Upact
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation.
XIV.	System performance	A	Reviewed for Stage 4 validation.
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank
**Indicates samples underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2135WOBW220F**	FA88610-1**	Water	08/31/21
2	2135WOBW223F	FA88610-2	Water	08/31/21
3	2135WOBW224F	FA88610-3	Water	08/31/21
4	2135WOBW225F	FA88610-4	Water	08/31/21
5	2135WOBW226F	FA88610-5	Water	08/31/21
6	2135WOBW227A	FA88610-6	Water	08/31/21
7	2135WOBW230F	FA88610-7	Water	08/31/21
8	2135WOBW232F**	FA88610-8**	Water	08/31/21
9	2135WOBW233F	FA88610-9	Water	08/31/21
10	2135WOBW234F	FA88610-10	Water	08/31/21
11	2135WOBW235F	FA88610-11	Water	08/31/21
12	2135WOBW236C	FA88610-12	Water	08/31/21
13	2135WOBW237B	FA88610-13	Water	08/31/21
14	2135WOU2221F	FA88610-14	Water	08/31/21

LDC #: 52130B1b **VALIDATION COMPLETENESS WORKSHEET** Date: ~~4/15/21~~ 10/7/21
SDG #: FA88610 ADR/Stage 4 Page: 1 of 2
Laboratory: SGS North America, Inc. Reviewer: PG
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B-SIM)

	Client ID	Lab ID	Matrix	Date
15	2135WOU2228F	FA88610-15	Water	08/31/21
16	2135YOU2038F	FA88610-16	Water	08/31/21
17	2135YOU2039F	FA88610-17	Water	08/31/21
18	2135YOBW044F**	FA88610-18**	Water	08/31/21
19	2135WOBW220FMS	FA88610-1MS	Water	08/31/21
20	2135WOBW220FMSD	FA88610-1MSD	Water	08/31/21
21				
22				
23				

Notes:

	V02547						
	V22585						

LDC #: 52130B1b

VALIDATION FINDINGS CHECKLIST

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) ≥ 0.05??	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent difference (%D) ≤20%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?		✓		
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	✓			
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 52130B16

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 1

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	KAZ	9/13/21	S (1st internal standard)	0.643	0.643	0.657	0.657	7.72	7.73
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52130B6

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	064962	9/4/21	5 (1st internal standard)	0.657	0.663	0.663	0.9	0.8
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	5.48	110	110	
Toluene-d8	↓	5.08	102	102	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 52130B46

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 19/20

Compound	Spike Added (µg/L)		Sample Concentration (µg/L)	Spiked Sample Concentration (µg/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
5	25	25	1.5	26.9	28.4	102	102	108	108	5	5

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52130B16

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: V02547-BS

Compound	Spike Added (µg/L)		Spiked Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
5	5	NA	5.3	NA	106	106				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 52030B16

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: V

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 18, 5:

Conc. = $\frac{(62492)(5.0)(1)}{(47473)(0.657)(\quad)(\quad)}$

= 10.0 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration ( )	Qualification
	18	5	10.0		

Quality Control
Outlier Reports

FA88755

Field Duplicate RPD Report

Lab Reporting Batch ID: FA88755 **Laboratory: ACTO**

EDD Filename: FA88755ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM
Matrix: AQ

Analyte	*Concentration (ug/L)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	2135Z0BW003F	**2135Z0BW004D**			
CARBON TETRACHLORIDE	0.17	0.16	6	30.00	No Qualifiers Applied
Trichloroethylene	2.6	2.5	4	30.00	

Project Name and Number: - Fort Ord Groundwater Monitoring

Reporting Limit Outliers

Lab Reporting Batch ID: FA88755 **Laboratory: ACTO**

EDD Filename: FA88755ACTO **eQAPP Name: FtOrd_UFP_QAPP_Rev9_3**

Method: EPA8260-SIM

Matrix: AQ

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
2135X0BW219F	CARBON TETRACHLORIDE Trichloroethylene	J J	0.44 0.12	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2135Z0BW001F	CARBON TETRACHLORIDE	J	0.24	0.50	LOQ	ug/L	J (all detects)
2135Z0BW003F	CARBON TETRACHLORIDE	J	0.17	0.50	LOQ	ug/L	J (all detects)
2135Z0BW004D	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)

LDC #: 52130C1a/b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/7/21
SDG #: FA88755 ADR Page: 1 of 1
Laboratory: SGS North America, Inc. Reviewer: A
2nd Reviewer: KK

METHOD: GC/MS Volatiles (EPA SW846 Method 8260B~~=SW~~)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD≤15%. ICV≤20%
IV.	Continuing calibration /Ending	A	CCV≤20/50%
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	N	
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	System performance	N	Not reviewed for ADR validation
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	2135YOU2052F	FA88755-1	Water	09/01/21
2	2135XOBW219F	FA88755-2	Water	09/02/21
3	2135ZOBW001F	FA88755-3	Water	09/02/21
4	2135ZOBW002A	FA88755-4	Water	09/02/21
5	2135ZOBW003F	FA88755-5	Water	09/02/21
6	2135ZOBW004D	FA88755-6	Water	09/02/21
7	2135XOBW219FMS	FA88755-2MS	Water	09/02/21
8	2135XOBW219FMSD	FA88755-2MSD	Water	09/02/21
9				

Notes:

Third Quarter 2021

Groundwater Data

SGS Laboratory Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Lower

SGS Job Number: FA88607

Sampling Dates: 08/29/21 - 08/30/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: 122

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88607

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Lower

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88607-1	08/29/21	11:45	LHTM	09/02/21	AQ	Ground Water	2135W0BW209F
FA88607-2	08/29/21	07:00	LHTM	09/02/21	AQ	Trip Blank Water	2135W0BW208A
FA88607-3	08/29/21	15:20	LHTM	09/02/21	AQ	Ground Water	2135W0BW210C
FA88607-4	08/30/21	09:55	LHTM	09/02/21	AQ	Ground Water	2135W0BW212F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88607

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/15/2021 2:03:22

On 09/02/2021, 3 Sample(s), 1 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88607 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VZ2585

Sample(s) FA88607-3MS, FA88607-3MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2-Dichloroethane, Carbon Tetrachloride, Trichloroethylene are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88607
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/29/21 thru 08/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88607-1	**2135W0BW209F**					
Carbon Tetrachloride		0.39 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88607-2	**2135W0BW208A**					
No hits reported in this sample.						
FA88607-3	**2135W0BW210C**					
No hits reported in this sample.						
FA88607-4	**2135W0BW212F**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW209F		
Lab Sample ID:	FA88607-1	**Date Sampled:**	08/29/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65722.D	1	09/03/21 12:08	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.39	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW208A		
Lab Sample ID:	FA88607-2	**Date Sampled:**	08/29/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65721.D	1	09/03/21 11:48	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	108%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW210C		
Lab Sample ID:	FA88607-3	**Date Sampled:**	08/29/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65723.D	1	09/03/21 12:28	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	117%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW212F		
Lab Sample ID:	FA88607-4	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65724.D	1	09/03/21 12:49	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	117%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CADS2351
Ahtna

CHAIN OF CUSTODY

FA 88607
WATER / SOIL

Chain of Custody #: 0302 1 of 2

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: L. Henderson / T. Moore
Project Name: Ft. Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Preserved: HCl	Preserved: HNO_3	Preserved: H_2SO_4	Preserved: NaOH	Preserved: MeOH	Preserved: $NaHSO_4$	Preserved: None	Preserved: Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135WØBW209F	8-29-21	1145	X			3	X								X			
2	2135WØBW206A		0700	X			2	X								X			
3	2135WØBW210C		1520	X			3	X								X			

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: INITIAL ASSESSMENT

Comments:

OUCTP-L

LABEL VERIFICATION 2.2 IBT#1

Chain of Custody Tracking:

Relinquished By Sampler: Tom Moore	Date/Time: 8-29-21 @ 1548	Received By: Steve Kerday	Date/Time: 8-29-21 / 1550
Relinquished By: Steve Kerday	Date/Time: 8-31-21 / 1040	Received By: Lee Barnes	Date/Time: 8/31/21 1040
Relinquished By: Lee Barnes	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX Carlos Delgado	Date/Time: 8/31/21 1500 9/2/21 0945

5.1 5

FA88607: Chain of Custody
Page 1 of 3

CAUS2351
Ahtna

CHAIN OF CUSTODY

WATER / SOIL

FA88607

2082

Chain of Custody #: 0172

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: L. Henderson / T. moore
Project Name: FT ORD Basewide GW
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
01	2135W & BW212F	8/30/21	0955	X			3	X								X			

Turnaround Time: √ : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush

Shipment: Method: Tracking ID:

Comments:

OUC TP-Lower

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	8-30-2021 1700	Steve Kodray	8-30-21 / 1700
Relinquished By: Steve Kodray	Date/Time: 8-31-21 / 1040	Received By: Lee Barna	Date/Time: 8/31/21 1040
Relinquished By: Lee Barna	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX Carlos Js Delgado	Date/Time: 8/31/21 1500 9/2/21 0945

5.1 5

FA88607: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: FA88607 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Lower

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774691790525

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments Cooler was received on 09/02/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

FA88607: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88607
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/29/21 thru 08/30/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ2585	SW846 8260B BY SIM						
VZ2585-BS	56-23-5	Carbon Tetrachloride	BSP	REC	110	%	72-136
VZ2585-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VZ2585-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VZ2585-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VZ2585-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FA88607-3MS	56-23-5	Carbon Tetrachloride	MS	REC	143	%	72-136
FA88607-3MS	107-06-2	1,2-Dichloroethane	MS	REC	128	%	73-128
FA88607-3MS	79-01-6	Trichloroethylene	MS	REC	132	%	79-123
FA88607-3MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	111	%	81-118
FA88607-3MS	2037-26-5	Toluene-D8	MS	SURR	85	%	89-112
FA88607-3MSD	56-23-5	Carbon Tetrachloride	MSD	REC	134	%	72-136
FA88607-3MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA88607-3MSD	107-06-2	1,2-Dichloroethane	MSD	REC	118	%	73-128
FA88607-3MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	8	%	20
FA88607-3MSD	79-01-6	Trichloroethylene	MSD	REC	123	%	79-123
FA88607-3MSD	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA88607-3MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	107	%	81-118
FA88607-3MSD	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VZ2585-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VZ2585-MB	2037-26-5	Toluene-D8	MB	SURR	109	%	89-112
FA88607-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FA88607-1	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FA88607-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FA88607-2	2037-26-5	Toluene-D8	SAMP	SURR	108	%	89-112
FA88607-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	117	%	81-118
FA88607-3	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA88607-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	117	%	81-118
FA88607-4	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112

* Sample used for QC is not from job FA88607

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-MB	Z65718.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88607-1, FA88607-2, FA88607-3, FA88607-4

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

Blank Spike Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-BS	Z65717.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88607-1, FA88607-2, FA88607-3, FA88607-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.5	110	76-136
107-06-2	1,2-Dichloroethane	5	4.8	96	75-125
79-01-6	Trichloroethylene	5	5.3	106	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	94%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88607-3MS	Z65733.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3MSD	Z65734.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3	Z65723.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88607-1, FA88607-2, FA88607-3, FA88607-4

CAS No.	Compound	FA88607-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	35.8	143*	25	33.4	134	7	76-136/23
107-06-2	1,2-Dichloroethane	0.50	U	25	31.9	128*	25	29.4	118	8	75-125/14
79-01-6	Trichloroethylene	0.50	U	25	33.0	132*	25	30.8	123	7	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA88607-3	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	107%	117%	74-125%
2037-26-5	Toluene-D8	85%*	90%	102%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-BFB
Lab File ID: Z65701.D
Instrument ID: GCMSZ
Injection Date: 09/02/21
Injection Time: 12:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32941	20.2		Pass
75	30.0 - 60.0% of mass 95	91400	56.1		Pass
95	Base peak, 100% relative abundance	162995	100.0		Pass
96	5.0 - 9.0% of mass 95	11206	6.88		Pass
173	Less than 2.0% of mass 174	1242	0.76	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	140947	86.5		Pass
175	5.0 - 9.0% of mass 174	10204	6.26	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	140437	86.2	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9114	5.59	(6.49) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2584-IC2584	Z65705.D	09/02/21	14:48	02:13	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21	15:08	02:33	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21	15:29	02:54	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21	15:49	03:14	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21	16:10	03:35	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21	16:30	03:55	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21	16:51	04:16	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21	17:32	04:57	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-BFB
Lab File ID: Z65715.D
Instrument ID: GCMSZ
Injection Date: 09/03/21
Injection Time: 09:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38475	21.1		Pass
75	30.0 - 60.0% of mass 95	105853	58.0		Pass
95	Base peak, 100% relative abundance	182464	100.0		Pass
96	5.0 - 9.0% of mass 95	12727	6.98		Pass
173	Less than 2.0% of mass 174	1494	0.82	(1.05) [a]	Pass
174	50.0 - 100.0% of mass 95	142331	78.0		Pass
175	5.0 - 9.0% of mass 174	10776	5.91	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	139501	76.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	9064	4.97	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2585-CC2584	Z65716.D	09/03/21	10:03	00:20	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21	10:23	00:40	Blank Spike
VZ2585-MB	Z65718.D	09/03/21	10:44	01:01	Method Blank
ZZZZZZ	Z65720.D	09/03/21	11:27	01:44	(unrelated sample)
FA88607-2	Z65721.D	09/03/21	11:48	02:05	2135W0BW208A
FA88607-1	Z65722.D	09/03/21	12:08	02:25	2135W0BW209F
FA88607-3	Z65723.D	09/03/21	12:28	02:45	2135W0BW210C
FA88607-4	Z65724.D	09/03/21	12:49	03:06	2135W0BW212F
ZZZZZZ	Z65725.D	09/03/21	13:09	03:26	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21	13:30	03:47	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21	13:50	04:07	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21	14:52	05:09	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21	15:12	05:29	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21	16:34	06:51	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21	16:54	07:11	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21	17:15	07:32	Ending cal 5

Internal Standard Area Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2585-CC2584	**Injection Date:**	09/03/21
Lab File ID:	Z65716.D	**Injection Time:**	10:03
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	55195	8.05	48252	11.13
Check Std [b]	60582	8.05	49907	11.12
Upper Limit [c]	121164	8.22	99814	11.29
Lower Limit [d]	30291	7.88	24954	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2585-BS	56138	8.05	44608	11.12
VZ2585-MB	49294	8.05	34756	11.13
ZZZZZZ	45027	8.05	32570	11.12
FA88607-2	42901	8.05	30724	11.13
FA88607-1	41586	8.05	30661	11.13
FA88607-3	40199	8.05	30097	11.13
FA88607-4	40382	8.05	29261	11.13
ZZZZZZ	38685	8.05	28279	11.13
ZZZZZZ	35025	8.05	27050	11.13
ZZZZZZ	34894	8.05	25283	11.13
ZZZZZZ	39670	8.05	29079	11.13
ZZZZZZ	35539	8.05	26188	11.13
FA88607-3MS	42576	8.05	37557	11.12
FA88607-3MSD	42339	8.05	34132	11.12
VZ2585-ECC2584	48867	8.05	41202	11.13

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2584-ICC2584 Z65709.D 09/02/21 16:10
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88607-1	Z65722.D	113	104
FA88607-2	Z65721.D	111	108
FA88607-3	Z65723.D	117	102
FA88607-4	Z65724.D	117	106
FA88607-3MS	Z65733.D	111	85*
FA88607-3MSD	Z65734.D	107	90
VZ2585-BS	Z65717.D	94	97
VZ2585-MB	Z65718.D	105	109

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICC2584
Lab FileID: Z65709.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Calibration Files
1 =Z65705.D 2 =Z65706.D 3 =Z65707.D 4 =Z65708.D
5 =Z65709.D 6 =Z65710.D 7 =Z65711.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	ISTD								
2) Vinyl Chloride	0.886	0.901	0.851	0.805	0.789	0.778	0.748	0.823	7.02
3) Chloromethane	1.798	1.025	0.837	0.771	0.742	0.738	0.691	0.943	41.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 0.81552 *A + -0.03012 *A^2									
4) 1,1-Dichloroethen	0.701	0.803	0.841	0.847	0.838	0.874	0.860	0.823	7.08
5) Methylene Chlorid	2.184	0.994	0.855	0.815	0.758	0.763	0.729	1.014	51.61
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 0.82437 *A + -0.02332 *A^2									
6) trans-1,2-Dichlor	0.680	0.709	0.766	0.782	0.775	0.832	0.796	0.763	6.78
7) 1,1-Dichloroethan	0.940	0.952	1.030	1.022	0.976	1.024	1.000	0.992	3.68
8) cis-1,2-Dichloroe	0.508	0.496	0.540	0.556	0.546	0.603	0.603	0.550	7.59
9) Chloroform	2.573	1.409	1.310	1.268	1.192	1.260	1.229	1.463	33.79
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 1.23929 *A + -0.00134 *A^2									
10) Carbon Tetrachlor	0.682	0.675	0.822	0.789	0.777	0.817	0.804	0.766	8.13
11) 1,1,1-Trichloroet	0.792	0.923	0.987	0.977	0.939	1.004	0.990	0.945	7.73
12) Benzene	1.775	1.780	1.973	2.065	2.035	2.200	2.185	2.002	8.64
13)S 1,2-Dichloroethan	0.475	0.480	0.443	0.422	0.409	0.395	0.384	0.430	8.78
14) 1,2-Dichloroethan	0.734	0.740	0.810	0.803	0.759	0.791	0.774	0.773	3.87
15) Trichloroethene	0.467	0.512	0.570	0.589	0.586	0.638	0.637	0.571	11.03
16) 1,2-Dichloropropa	0.462	0.488	0.525	0.536	0.517	0.558	0.551	0.520	6.61
17) cis-1,3-Dichlorop	0.517	0.357	0.595	0.637	0.711	0.770	0.782	0.624	24.30
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
Response Ratio = 0.00000 + 0.63567 *A + 0.03847 *A^2									
18) I Chlorobenzene-d5	ISTD								
19)S Toluene-d8	1.103	1.096	1.029	0.997	0.980	1.004	1.004	1.030	4.78
20) trans-1,3-Dichlor	0.591	0.304	0.687	0.721	0.768	0.858	0.872	0.686	28.34
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992									
Response Ratio = 0.00000 + 0.69172 *A + 0.04705 *A^2									
21) Tetrachloroethene	0.612	0.667	0.685	0.665	0.646	0.699	0.705	0.668	4.84
22) 1,4-Dichlorobenze	1.204	1.082	1.322	1.379	1.352	1.502	1.532	1.339	11.81
23) 1,2-Dibromo-3-Chl	0.138	0.085	0.101	0.100	0.097	0.105	0.102	0.104	15.69
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.09928 *A + 0.00082 *A^2									

(#) = Out of Range

SIMCL-09-02-2021.M Fri Sep 03 09:45:18 2021

Initial Calibration Verification

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-02\Z65713.D Vial: 14
Acq On : 2 Sep 2021 5:32 pm Operator: CHARLENG
Sample : icv2584-5 Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	8.05
2	Vinyl Chloride	0.823	0.667	19.0	89	0.00	3.39
		Amount	Calc.	%Drift			
3	Chloromethane	10.000	7.974	20.3#	87	0.00	3.27
		AvgRF	CCRF	%Dev			
4	1,1-Dichloroethene	0.823	0.832	-1.1	105	0.00	4.71
		Amount	Calc.	%Drift			
5	Methylene Chloride	10.000	9.277	7.2	101	0.00	5.36
		AvgRF	CCRF	%Dev			
6	trans-1,2-Dichloroethene	0.763	0.763	0.0	104	0.00	5.54
7	1,1-Dichloroethane	0.992	0.990	0.2	107	0.00	6.22
8	cis-1,2-Dichloroethene	0.550	0.548	0.4	106	0.00	6.79
		Amount	Calc.	%Drift			
9	Chloroform	10.000	9.279	7.2	102	0.00	7.04
		AvgRF	CCRF	%Dev			
10	Carbon Tetrachloride	0.766	0.745	2.7	102	0.00	7.21
11	1,1,1-Trichloroethane	0.945	0.902	4.6	102	0.00	7.28
12	Benzene	2.002	1.988	0.7	104	0.00	7.65
13 S	1,2-Dichloroethane-d4	0.430	0.402	6.5	104	0.00	7.78
14	1,2-Dichloroethane	0.773	0.734	5.0	102	0.00	7.85
15	Trichloroethene	0.571	0.570	0.2	103	0.00	8.21
16	1,2-Dichloropropane	0.520	0.511	1.7	105	0.00	8.74
		Amount	Calc.	%Drift			
17	cis-1,3-Dichloropropene	10.000	9.173	8.3	97	0.00	9.39
		AvgRF	CCRF	%Dev			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.13
19 S	Toluene-d8	1.030	0.954	7.4	101	0.00	9.58
		Amount	Calc.	%Drift			
20	trans-1,3-Dichloropropene	10.000	9.755	2.4	103	0.00	10.02
		AvgRF	CCRF	%Dev			
21	Tetrachloroethene	0.668	0.597	10.6	96	0.00	10.02

Initial Calibration Verification

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

22	1,4-Dichlorobenzene	1.339	1.398	-4.4	107	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.618	3.8	103	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 09:45:07 2021

Continuing Calibration Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2585-CC2584
Lab FileID: Z65716.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65716.D Vial: 3
Acq On : 3 Sep 2021 10:03 am Operator: CHARLENG
Sample : cc2584-5 Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00	8.05
2		Vinyl Chloride	0.823	0.679	17.5	94	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	8.287	17.1	94	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.795	3.4	104	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.200	-12.0	125	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.730	4.3	103	0.00	5.54
7		1,1-Dichloroethane	0.992	0.918	7.5	103	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.524	4.7	105	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	9.171	8.3	104	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.747	2.5	105	0.00	7.21
11		1,1,1-Trichloroethane	0.945	0.911	3.6	106	0.00	7.28
12		Benzene	2.002	1.930	3.6	104	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.391	9.1	105	0.00	7.78
14		1,2-Dichloroethane	0.773	0.704	8.9	102	0.00	7.85
15		Trichloroethene	0.571	0.565	1.1	106	0.00	8.21
16		1,2-Dichloropropane	0.520	0.493	5.2	105	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.827	11.7	96	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.12
19	S	Toluene-d8	1.030	0.990	3.9	104	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.641	13.6	90	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.630	5.7	101	0.00	10.02

Continuing Calibration Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

22	1,4-Dichlorobenzene	1.339	1.305	2.5	100	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	7.880	21.2#	84	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 10:47:47 2021

Continuing Calibration Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65735.D Vial: 22
Acq On : 3 Sep 2021 5:15 pm Operator: CHARLENG
Sample : ECC2584-5 Inst : MSVOA15
Misc : MS49713,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.05
2	Vinyl Chloride	0.823	0.866	-5.2	97	0.00	3.39
	----------	Amount	Calc.	%Drift	----------		
3	Chloromethane	10.000	10.712	-7.1	96	0.00	3.28
	----------	AvgRF	CCRF	%Dev	----------		
4	1,1-Dichloroethene	0.823	0.903	-9.7	95	0.00	4.71
	----------	Amount	Calc.	%Drift	----------		
5	Methylene Chloride	10.000	15.996	-60.0#	140	0.00	5.36
	----------	AvgRF	CCRF	%Dev	----------		
6	trans-1,2-Dichloroethene	0.763	0.820	-7.5	94	0.00	5.54
7	1,1-Dichloroethane	0.992	1.044	-5.2	95	0.00	6.22
8	cis-1,2-Dichloroethene	0.550	0.568	-3.3	92	0.00	6.79
	----------	Amount	Calc.	%Drift	----------		
9	Chloroform	10.000	10.308	-3.1	95	0.00	7.04
	----------	AvgRF	CCRF	%Dev	----------		
10	Carbon Tetrachloride	0.766	0.829	-8.2	95	0.00	7.21
11	1,1,1-Trichloroethane	0.945	1.007	-6.6	95	0.00	7.28
12	Benzene	2.002	2.134	-6.6	93	0.00	7.65
13 S	1,2-Dichloroethane-d4	0.430	0.428	0.5	93	0.00	7.78
14	1,2-Dichloroethane	0.773	0.786	-1.7	92	0.00	7.85
15	Trichloroethene	0.571	0.628	-10.0	95	0.00	8.21
16	1,2-Dichloropropane	0.520	0.522	-0.4	89	0.00	8.74
	----------	Amount	Calc.	%Drift	----------		
17	cis-1,3-Dichloropropene	10.000	9.031	9.7	79	0.00	9.39
	----------	AvgRF	CCRF	%Dev	----------		
18 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	11.13
19 S	Toluene-d8	1.030	0.932	9.5	81	0.00	9.58
	----------	Amount	Calc.	%Drift	----------		
20	trans-1,3-Dichloropropene	10.000	9.385	6.2	81	0.00	10.02
	----------	AvgRF	CCRF	%Dev	----------		
21	Tetrachloroethene	0.668	0.645	3.4	85	0.00	10.02

Continuing Calibration Summary

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

22	1,4-Dichlorobenzene	1.339	1.413	-5.5	89	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.902	1.0	88	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Sat Sep 04 08:53:54 2021

Run Sequence Report

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2584 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2584-BFB	Z65701.D	09/02/21 12:35	n/a	BFB Tune
VZ2584-IC2584	Z65705.D	09/02/21 14:48	n/a	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21 15:08	n/a	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21 15:29	n/a	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21 15:49	n/a	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21 16:10	n/a	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21 16:30	n/a	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21 16:51	n/a	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21 17:32	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88607
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2585 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2585-BFB	Z65715.D	09/03/21 09:43	n/a	BFB Tune
VZ2585-CC2584	Z65716.D	09/03/21 10:03	n/a	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21 10:23	n/a	Blank Spike
VZ2585-MB	Z65718.D	09/03/21 10:44	n/a	Method Blank
ZZZZZZ	Z65720.D	09/03/21 11:27	n/a	(unrelated sample)
FA88607-2	Z65721.D	09/03/21 11:48	n/a	2135W0BW208A
FA88607-1	Z65722.D	09/03/21 12:08	n/a	2135W0BW209F
FA88607-3	Z65723.D	09/03/21 12:28	n/a	2135W0BW210C
FA88607-4	Z65724.D	09/03/21 12:49	n/a	2135W0BW212F
ZZZZZZ	Z65725.D	09/03/21 13:09	n/a	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21 13:30	n/a	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21 13:50	n/a	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21 14:52	n/a	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21 15:12	n/a	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21 16:34	n/a	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21 16:54	n/a	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21 17:15	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:26:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	41586	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	30661	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20243	5.66	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 113.20%			
19) Toluene-d8	9.582	98	32954	5.22	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	8806	1.29	ug/L	# 62
9) Chloroform	7.039	83	979m	0.09	ug/L	
10) Carbon Tetrachloride	7.214	117	2488m	0.39	ug/L	

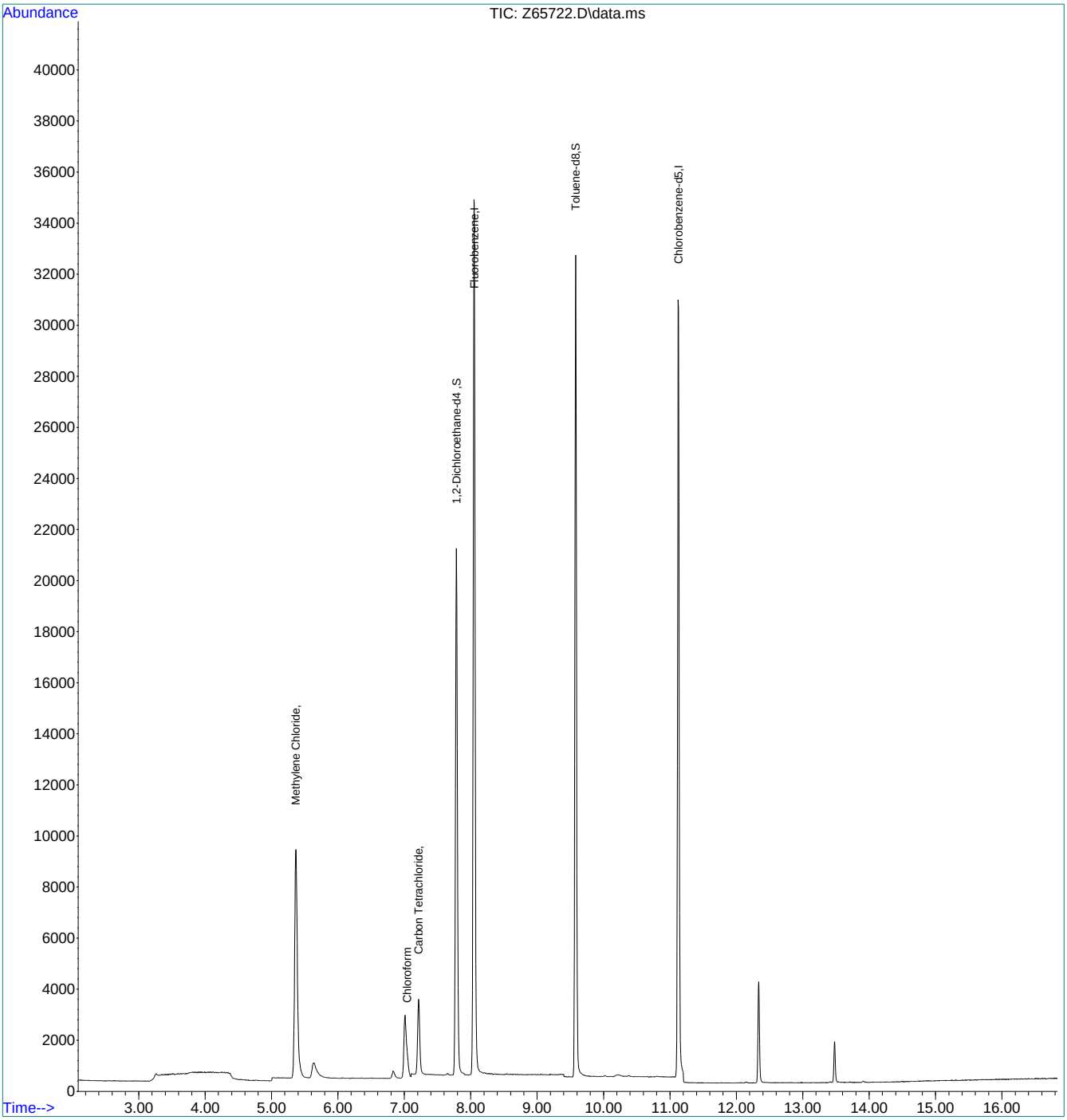
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

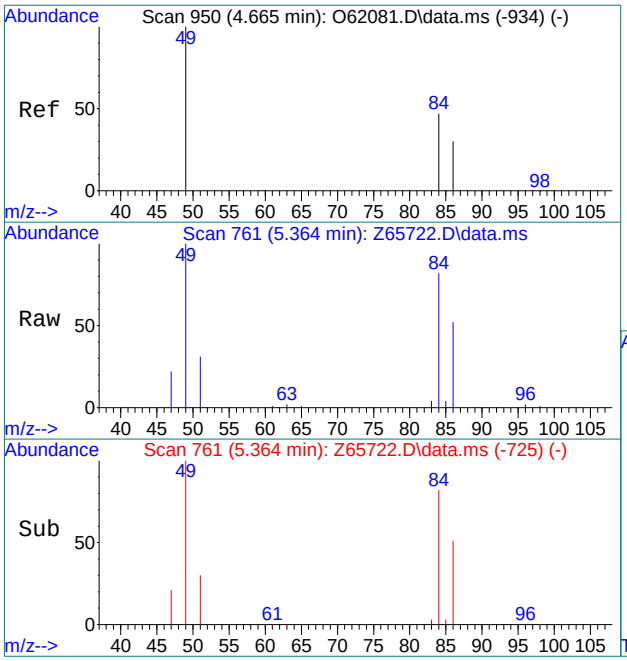
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:26:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



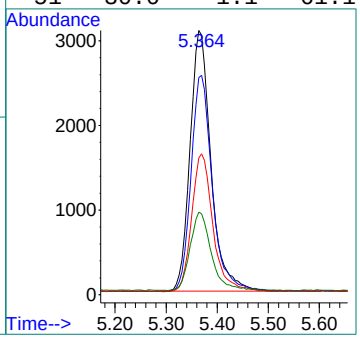
SIMCL-09-02-2021.M Fri Sep 03 12:31:02 2021 Page: 2

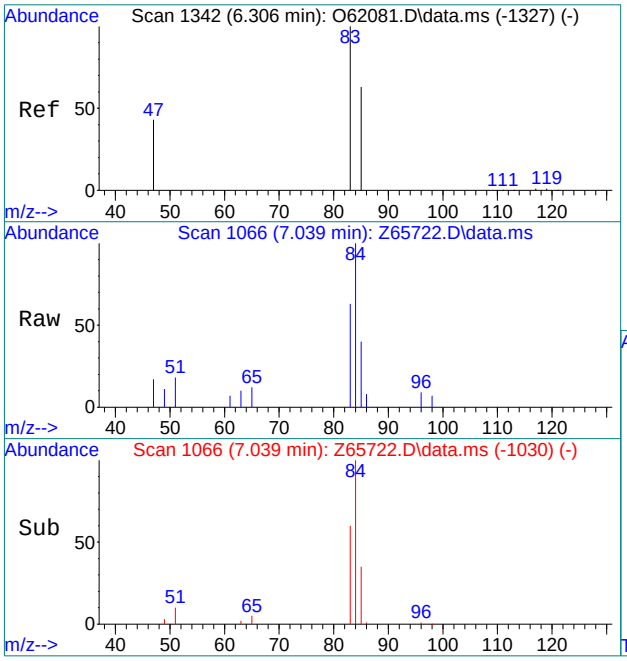


#5
Methylene Chloride
Concen: 1.29 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65722.D
Acq: 3 Sep 2021 12:08 pm

Tgt Ion: 49 Resp: 8806

Ion	Ratio	Lower	Upper
49	100		
84	82.0	13.9	73.9#
86	51.2	0.0	58.0
51	30.0	1.1	61.1

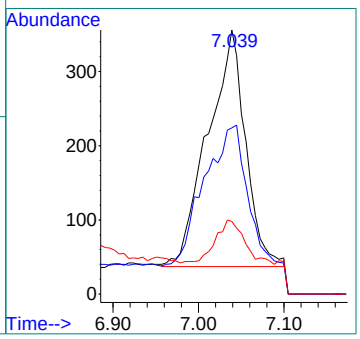


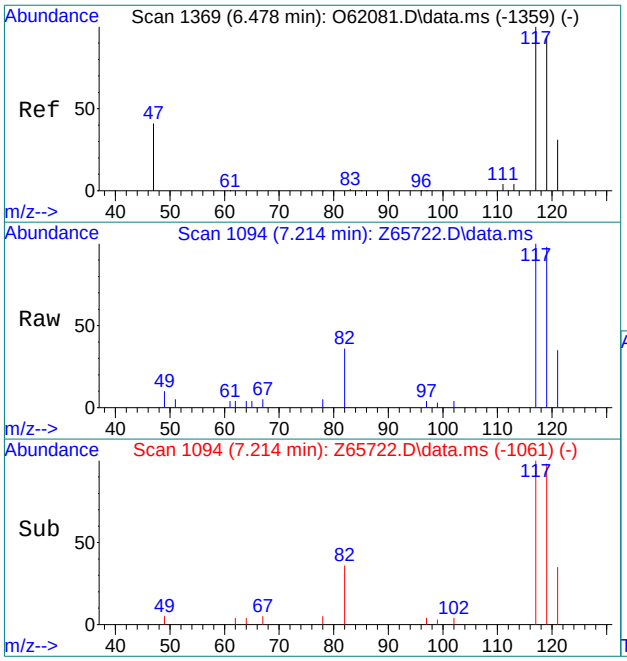


#9
Chloroform
Concen: 0.09 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. 0.000 min
Lab File: Z65722.D
Acq: 3 Sep 2021 12:08 pm

Tgt Ion: 83 Resp: 979

Ion	Ratio	Lower	Upper
83	100		
85	62.9	34.3	94.3
47	27.5	13.3	73.3

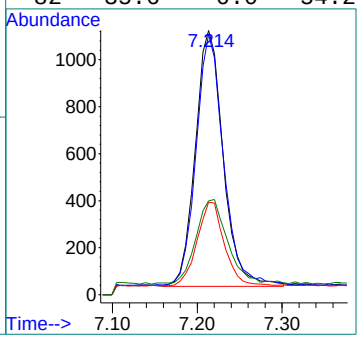




#10
Carbon Tetrachloride
Concen: 0.39 ug/L m
RT: 7.214 min Scan# 1094
Delta R.T. 0.001 min
Lab File: Z65722.D
Acq: 3 Sep 2021 12:08 pm

Tgt Ion:117 Resp: 2488

Ion	Ratio	Lower	Upper
117	100		
119	98.5	64.8	124.8
121	35.0	1.6	61.6
82	35.6	0.0	54.2



Manual Integration Approval Summary

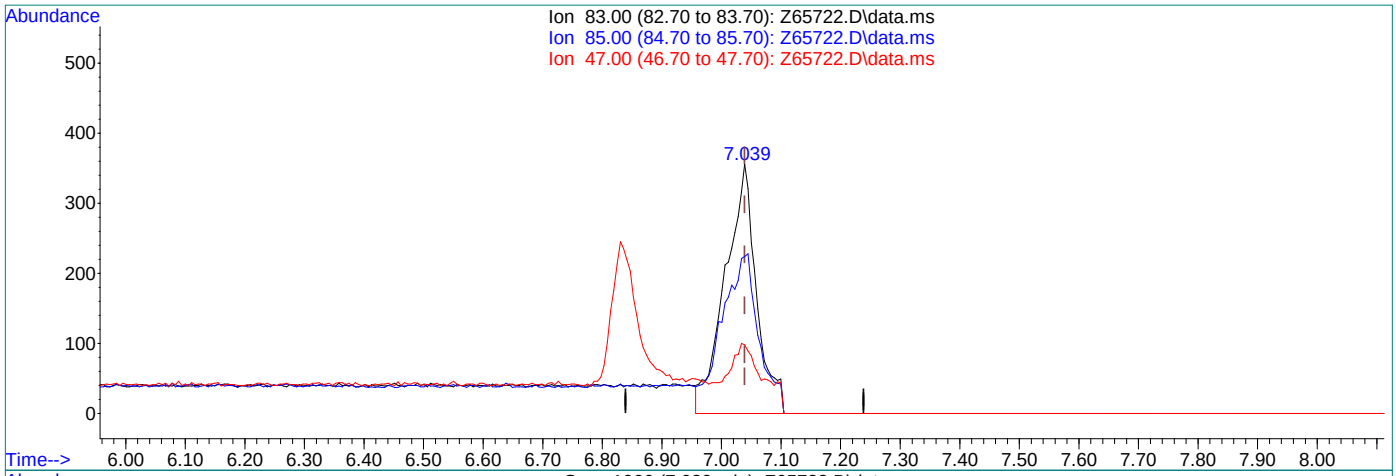
Sample Number: FA88607-1
Lab FileID: Z65722.D
Injection Time: 09/03/21 12:08
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

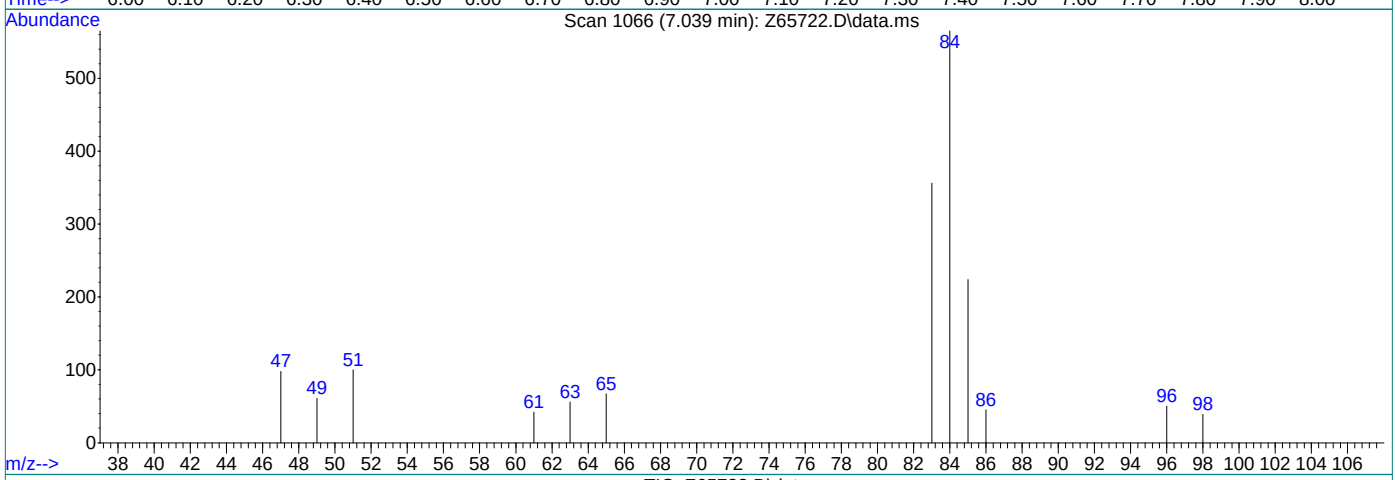
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:25:33 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65722.D\data.ms

(9) Chloroform

7.039min (+0.000) 0.13ug/L

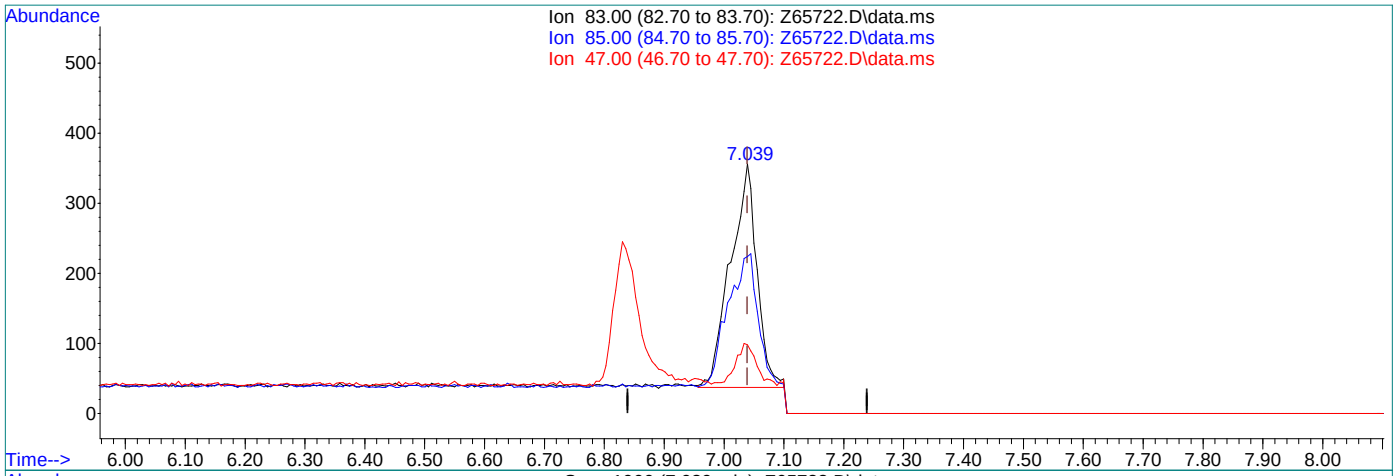
response 1307

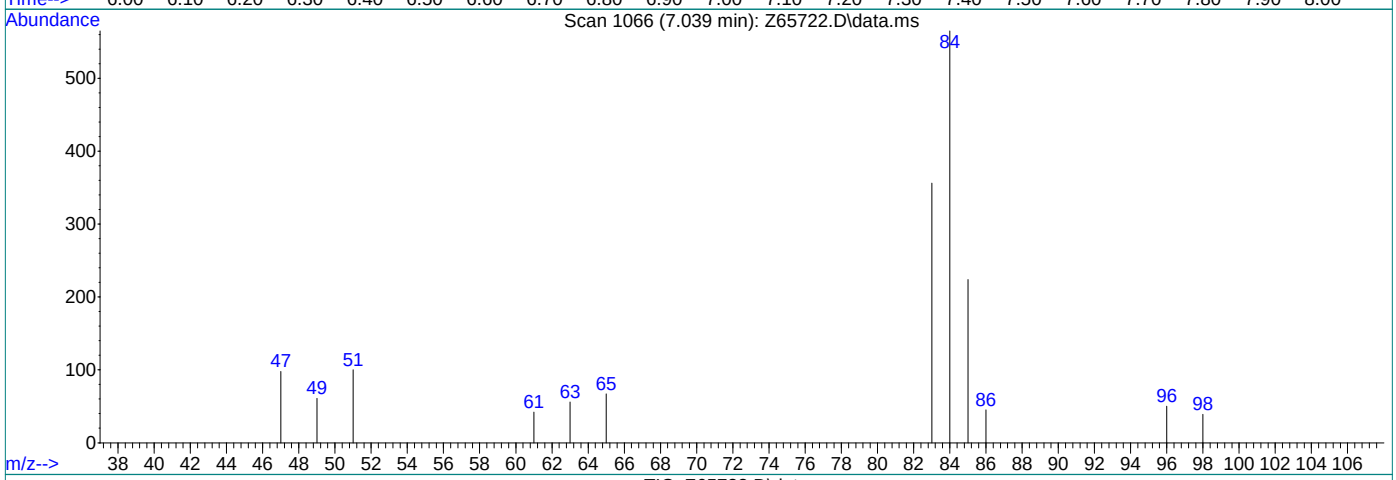
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	62.92
47.00	43.30	27.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:25:33 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65722.D\data.ms

(9) Chloroform

7.039min (+0.000) 0.09ug/L m

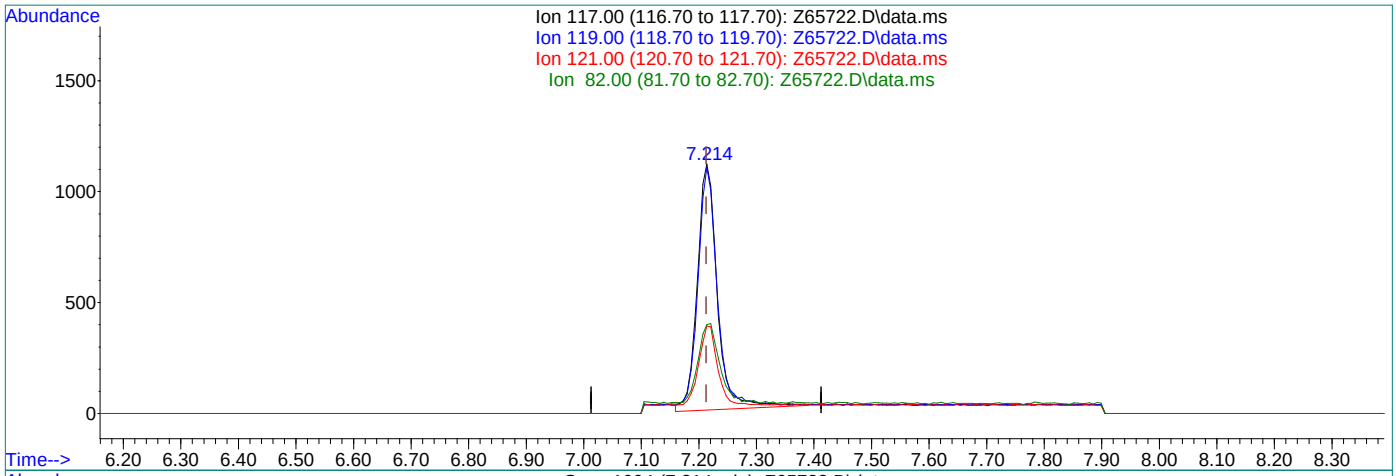
response 979

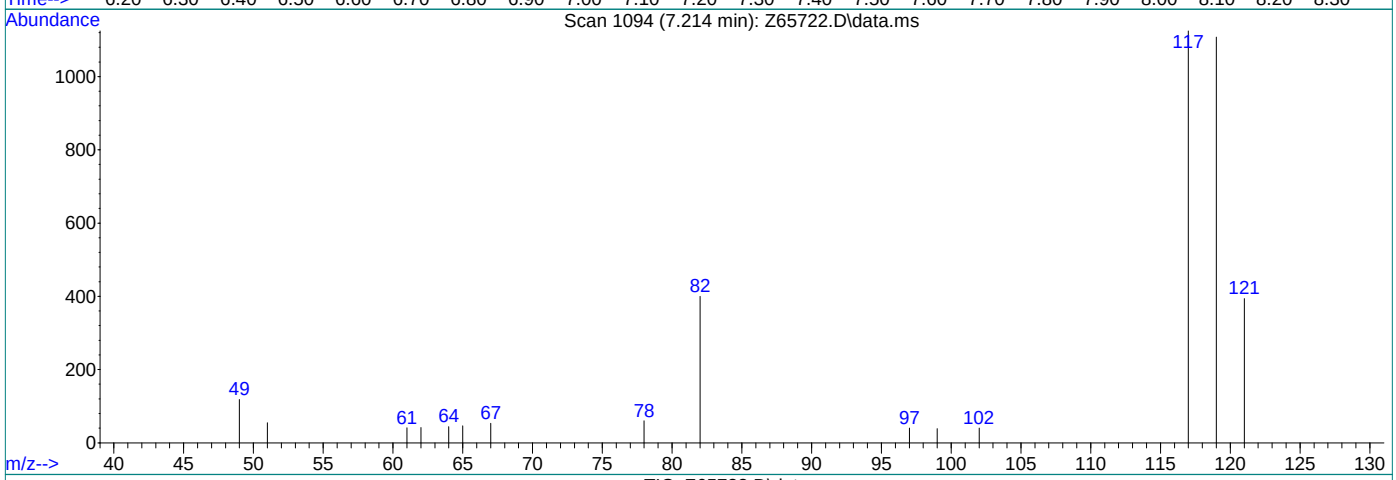
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	62.92
47.00	43.30	27.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:25:33 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65722.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.42ug/L

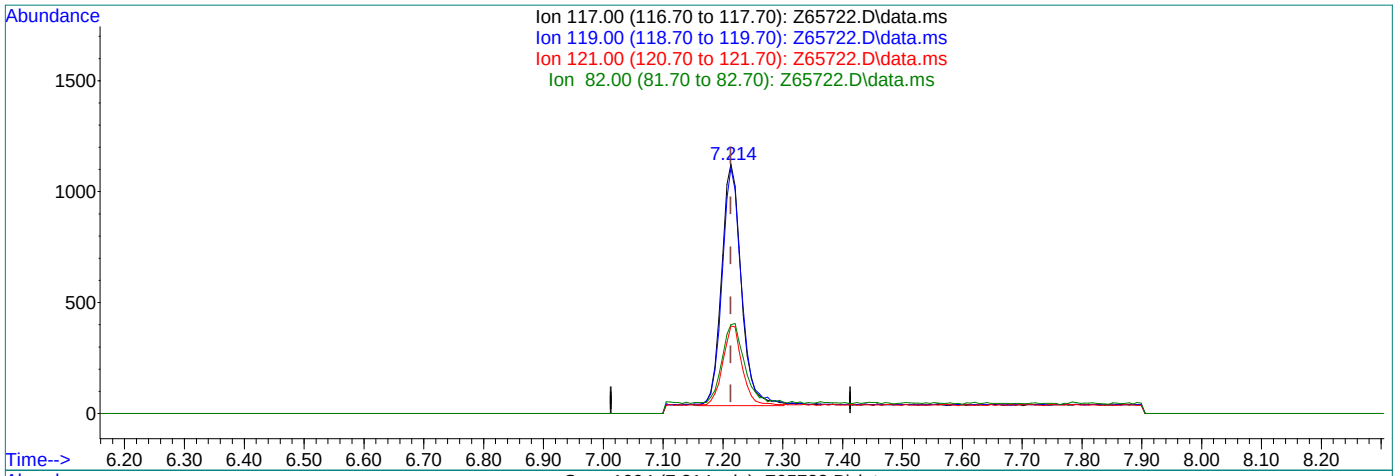
response 2699

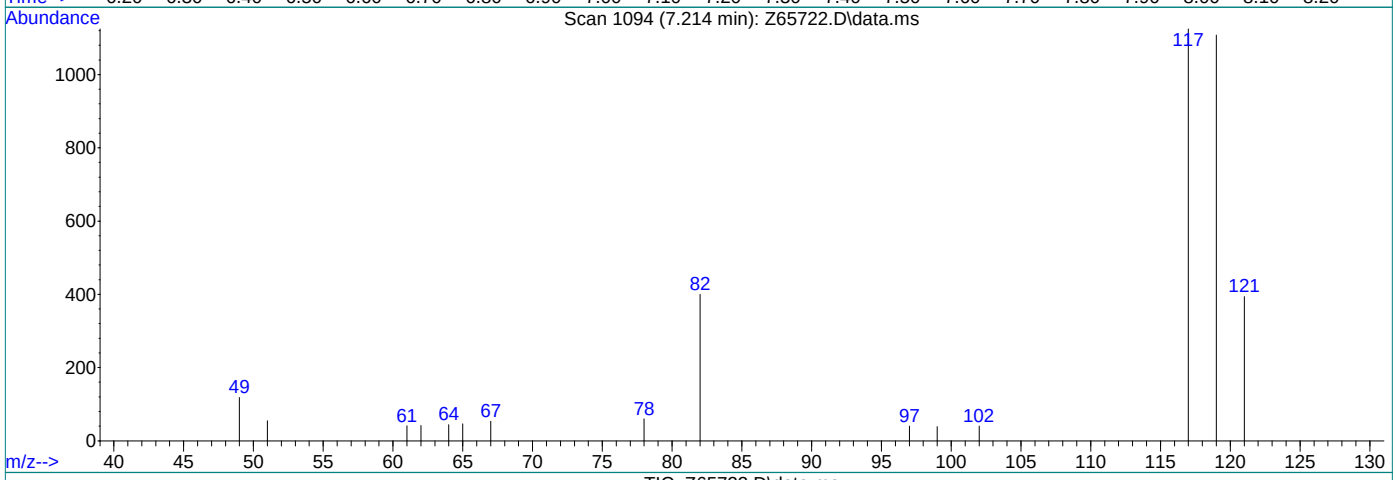
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	98.16
121.00	31.60	32.72
82.00	24.20	32.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65722.D
Acq On : 3 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : FA88607-1
Misc : MS49714,VZ2585,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 12:25:33 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65722.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.39ug/L m

response 2488

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	98.49
121.00	31.60	35.02
82.00	24.20	35.56

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65721.D
Acq On : 3 Sep 2021 11:48 am
Operator : CHARLENG
Sample : FA88607-2
Misc : MS49714,VZ2585,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:20:19 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

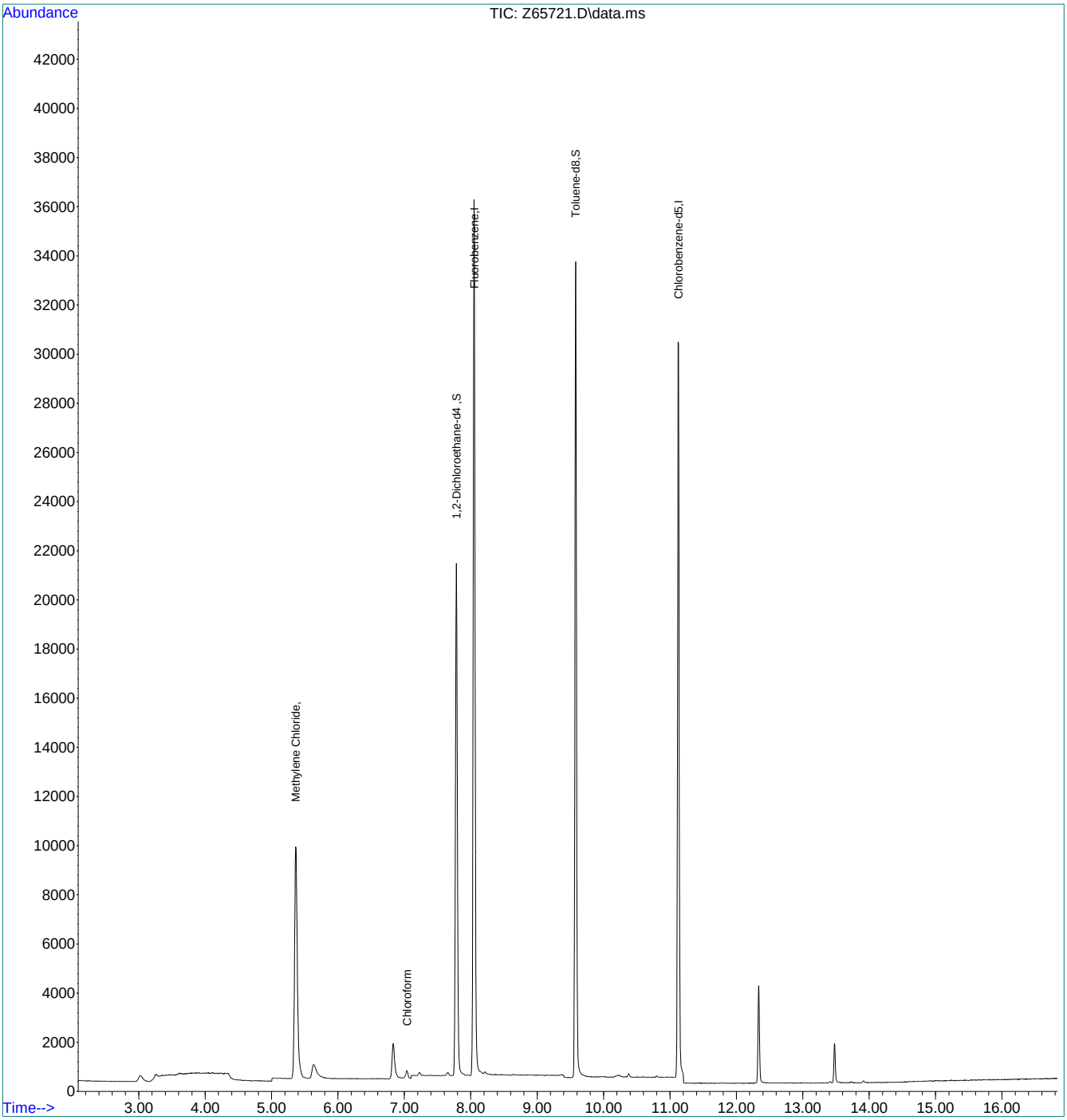
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	42901	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	30724	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20418	5.54	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 110.80%			
19) Toluene-d8	9.582	98	34142	5.39	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 107.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	9318	1.33	ug/L	# 61
9) Chloroform	7.039	83	334m	0.03	ug/L	

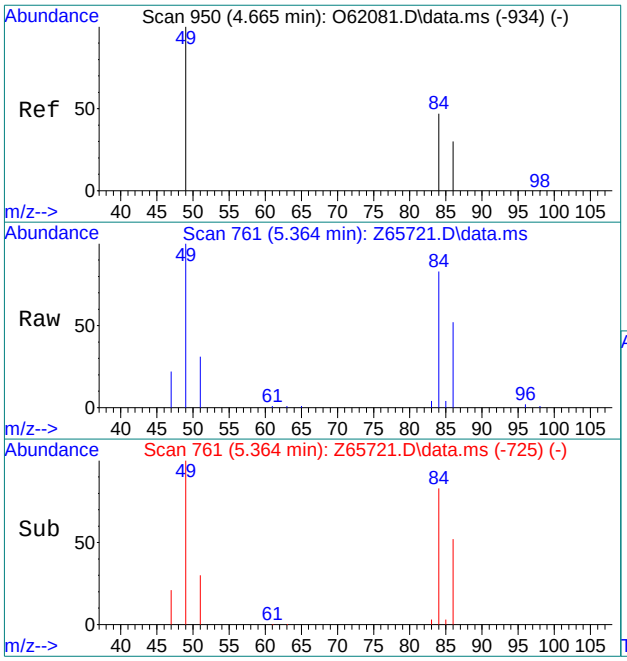
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65721.D
Acq On : 3 Sep 2021 11:48 am
Operator : CHARLENG
Sample : FA88607-2
Misc : MS49714,VZ2585,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:20:19 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

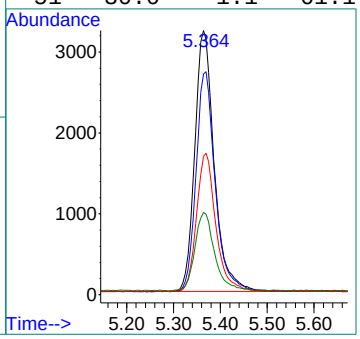


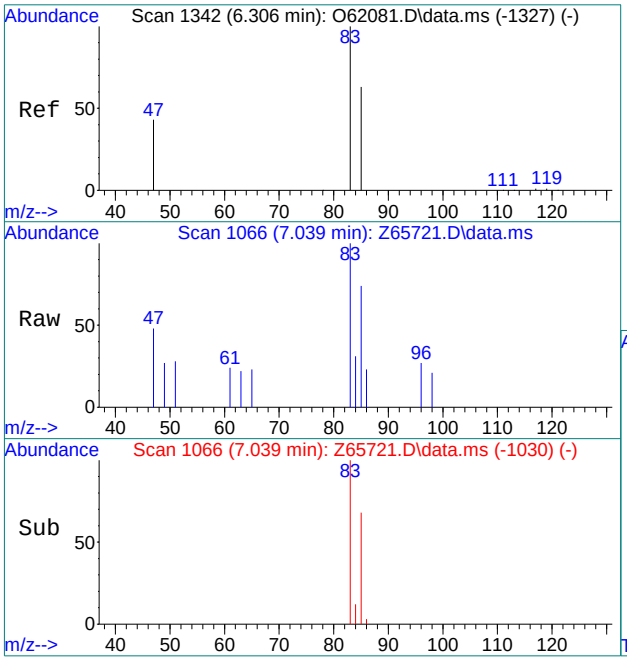


#5
Methylene Chloride
Concen: 1.33 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65721.D
Acq: 3 Sep 2021 11:48 am

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
84	83.3	13.9	73.9#
86	51.9	0.0	58.0
51	30.0	1.1	61.1

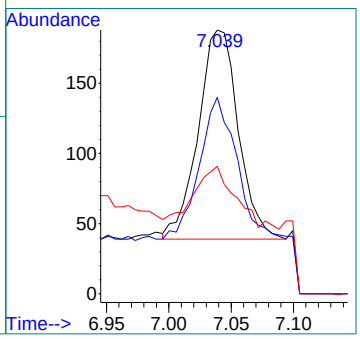




#9
Chloroform
Concen: 0.03 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65721.D
Acq: 3 Sep 2021 11:48 am

Tgt Ion: 83 Resp: 334

Ion	Ratio	Lower	Upper
83	100		
85	74.5	34.3	94.3
47	48.4	13.3	73.3



Manual Integration Approval Summary

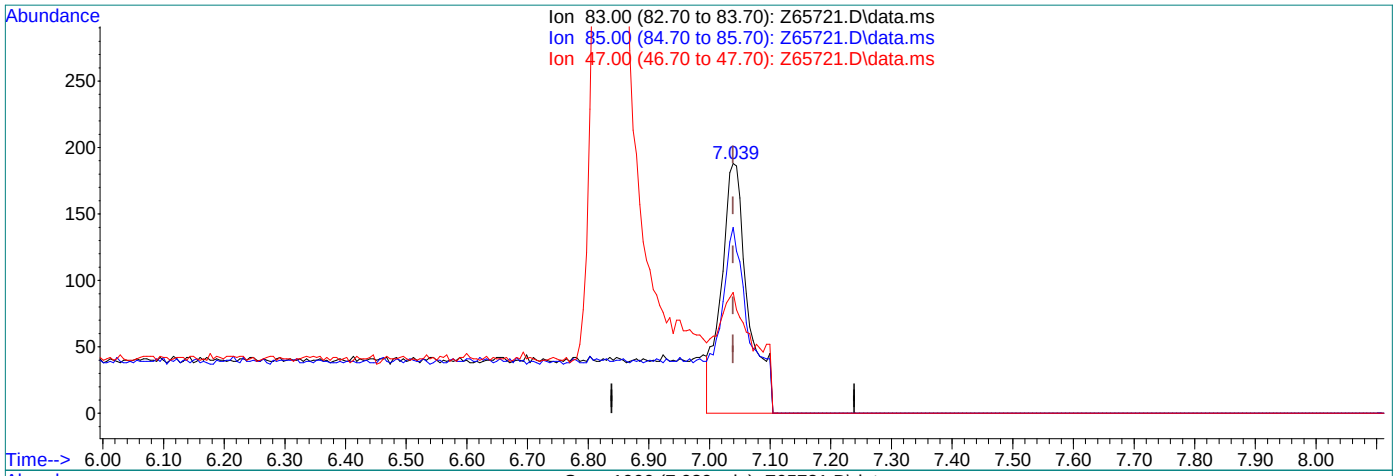
Sample Number: FA88607-2
Lab FileID: Z65721.D
Injection Time: 09/03/21 11:48
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

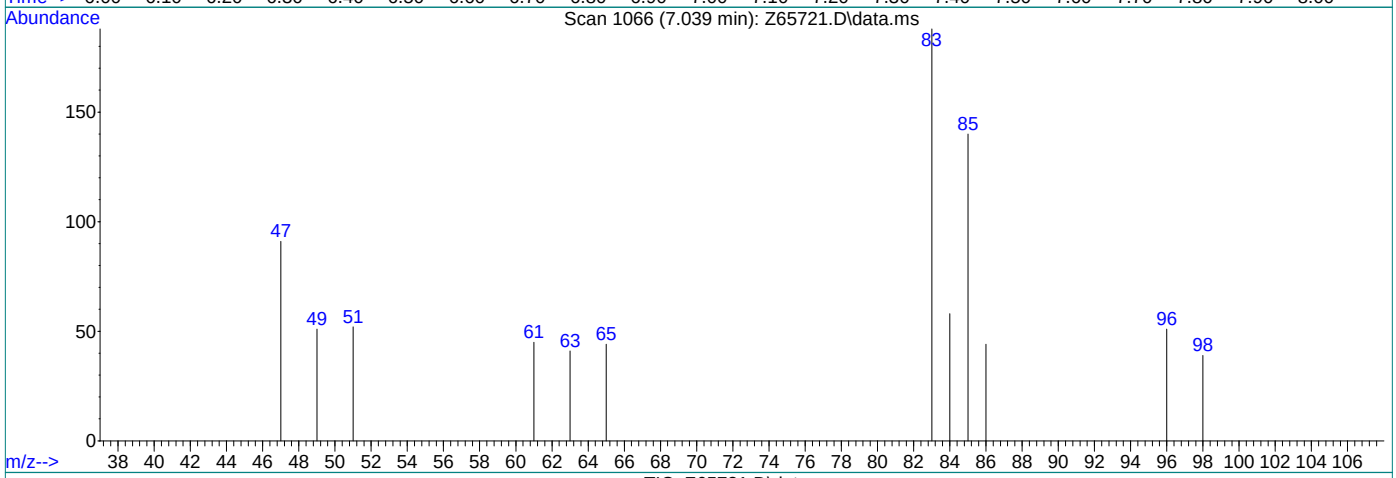
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65721.D
Acq On : 3 Sep 2021 11:48 am
Operator : CHARLENG
Sample : FA88607-2
Misc : MS49714,VZ2585,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:19:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65721.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.06ug/L

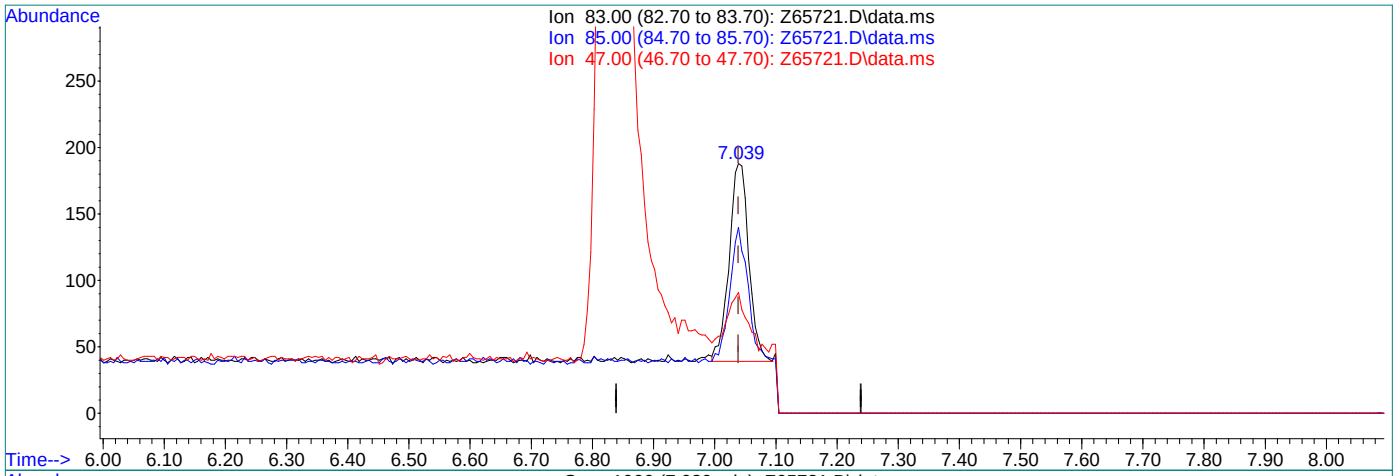
response 586

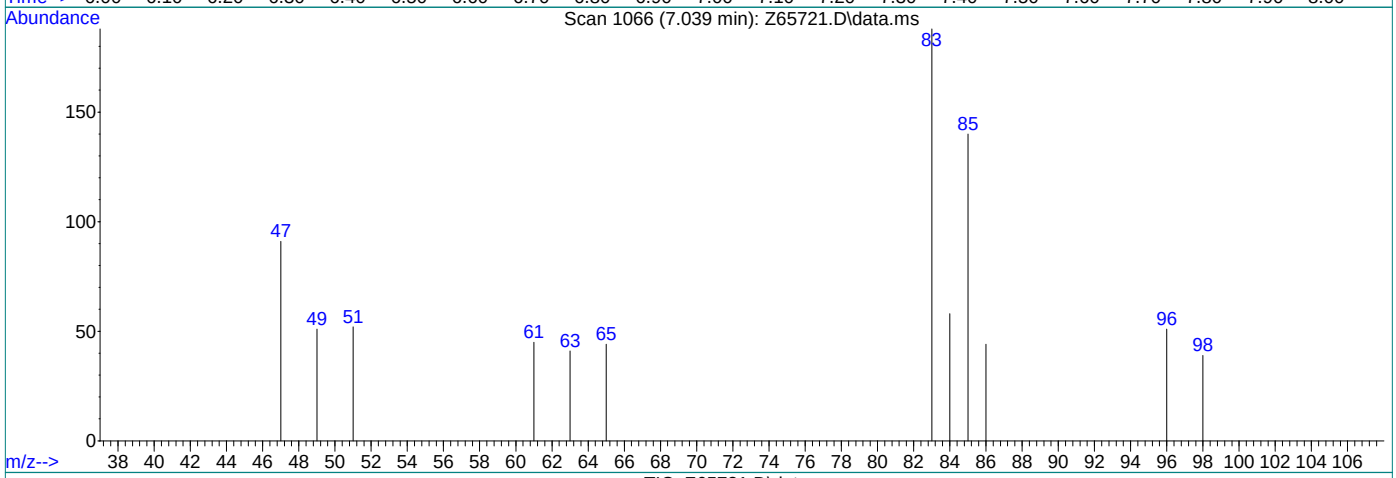
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	74.47
47.00	43.30	48.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65721.D
Acq On : 3 Sep 2021 11:48 am
Operator : CHARLENG
Sample : FA88607-2
Misc : MS49714,VZ2585,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 12:19:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65721.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.03ug/L m

response 334

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	74.47
47.00	43.30	48.40
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65723.D
Acq On : 3 Sep 2021 12:28 pm
Operator : CHARLENG
Sample : FA88607-3
Misc : MS49714,VZ2585,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 12:45:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

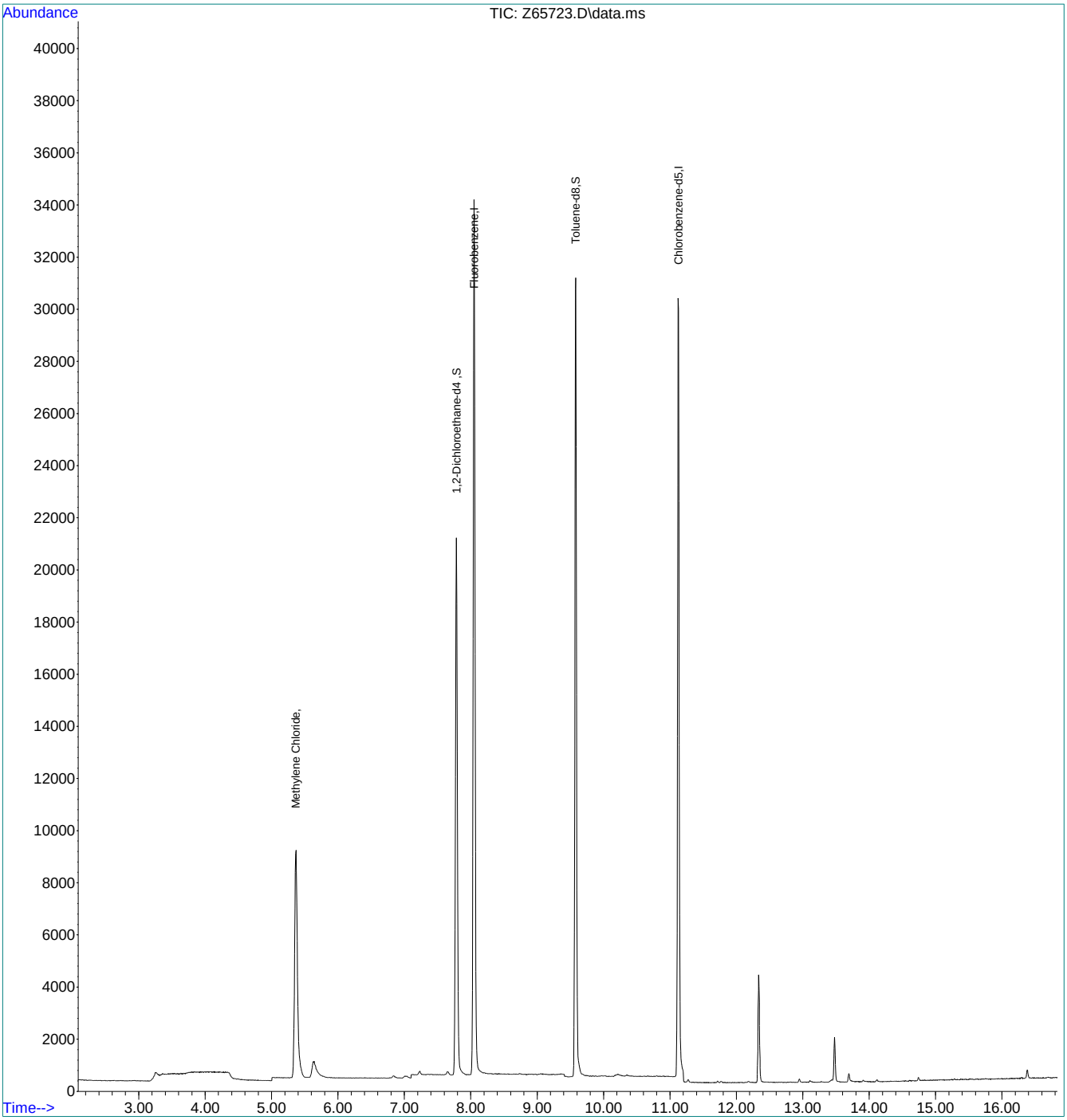
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	40199	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.129	117	30097	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	20185	5.84	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 116.80%			
19) Toluene-d8	9.577	98	31781	5.12	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 102.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	8777	1.33	ug/L	# 61

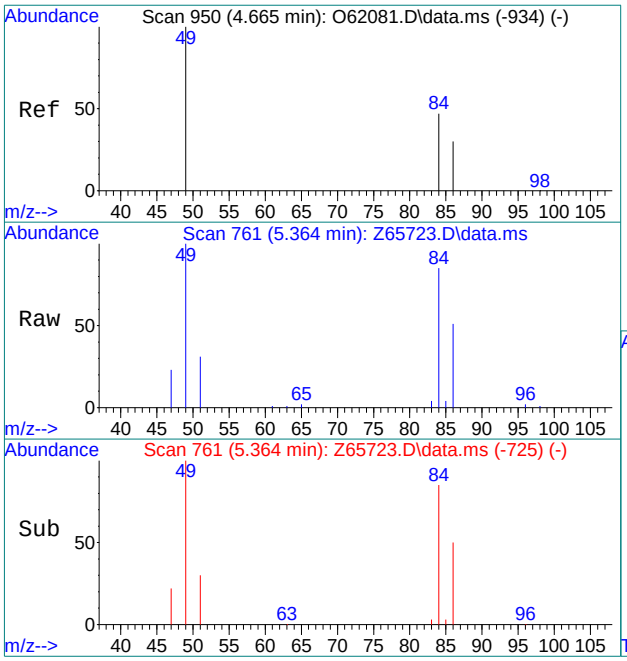
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65723.D
Acq On : 3 Sep 2021 12:28 pm
Operator : CHARLENG
Sample : FA88607-3
Misc : MS49714,VZ2585,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 12:45:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

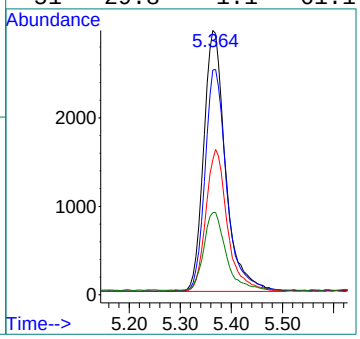




#5
Methylene Chloride
Concen: 1.33 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65723.D
Acq: 3 Sep 2021 12:28 pm

Tgt Ion: 49 Resp: 8777

Ion	Ratio	Lower	Upper
49	100		
84	84.8	13.9	73.9#
86	50.4	0.0	58.0
51	29.8	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65724.D
Acq On : 3 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : FA88607-4
Misc : MS49714,VZ2585,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 13:09:42 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

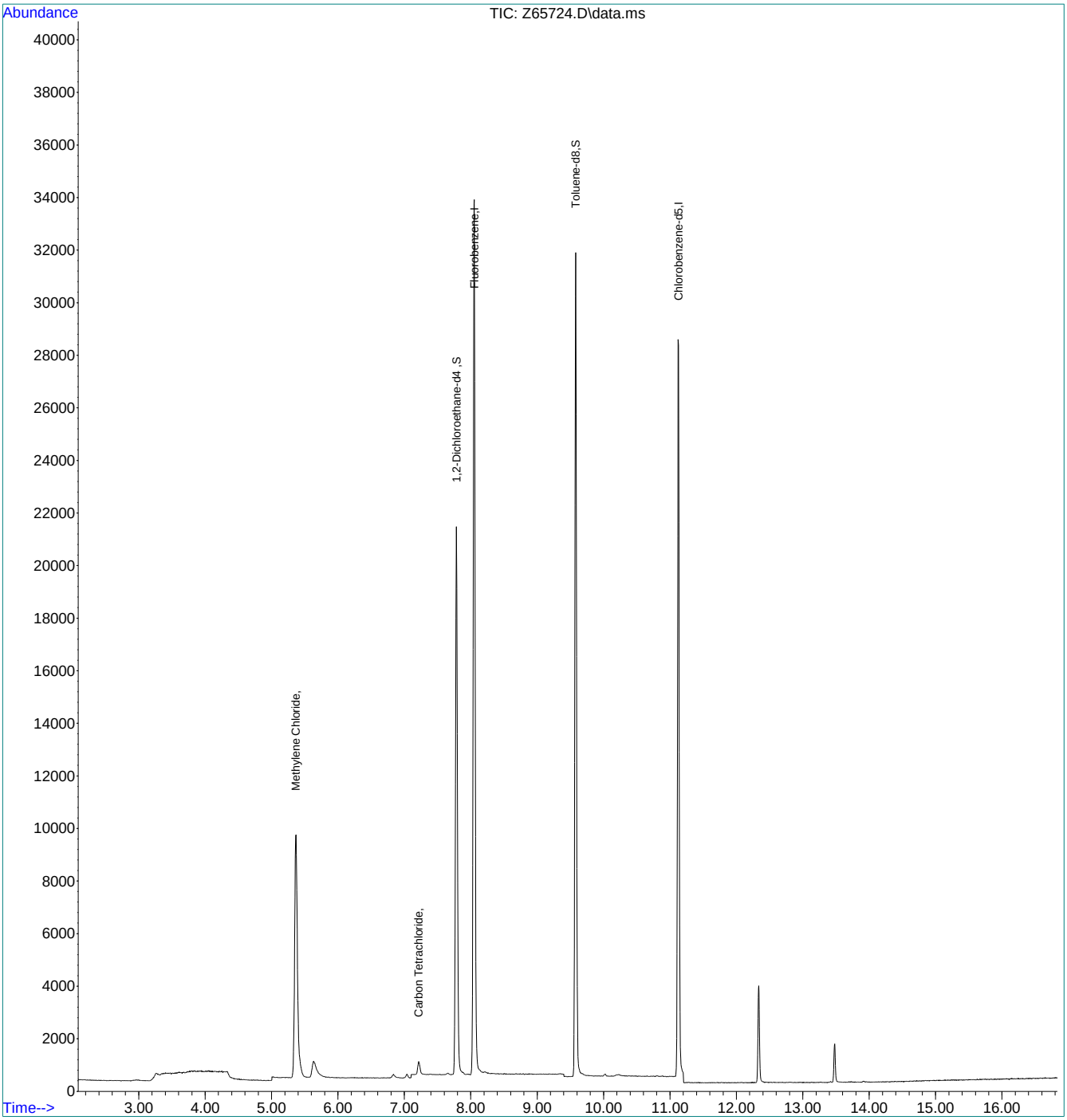
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	40382	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	29261	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	20316	5.85	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 117.00%			
19) Toluene-d8	9.582	98	32082	5.32	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 106.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	9297	1.41	ug/L	# 62
10) Carbon Tetrachloride	7.213	117	380m	0.06	ug/L	

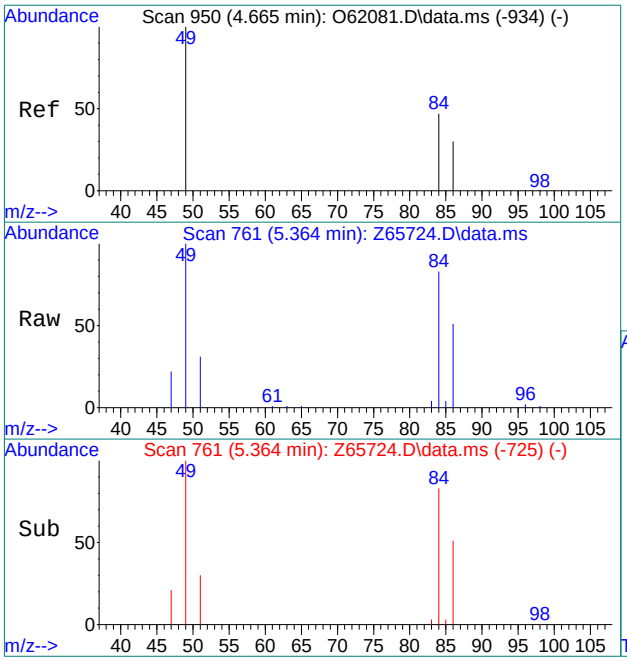
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65724.D
Acq On : 3 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : FA88607-4
Misc : MS49714,VZ2585,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 13:09:42 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

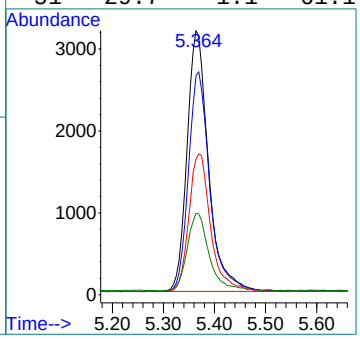


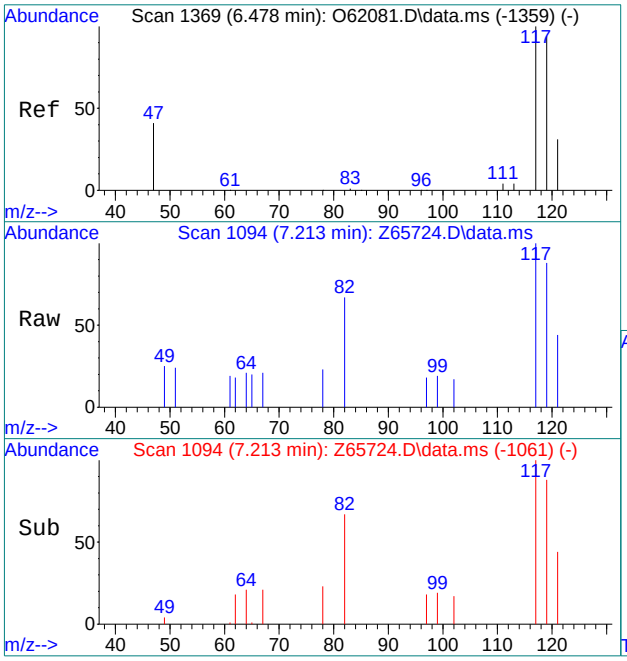


#5
Methylene Chloride
Concen: 1.41 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65724.D
Acq: 3 Sep 2021 12:49 pm

Tgt Ion: 49 Resp: 9297

Ion	Ratio	Lower	Upper
49	100		
84	82.6	13.9	73.9#
86	50.6	0.0	58.0
51	29.7	1.1	61.1

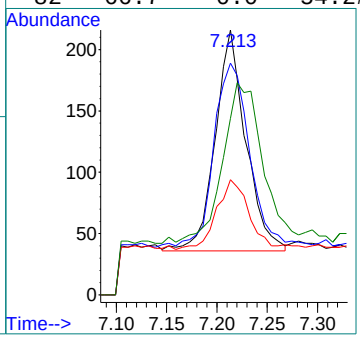




#10
Carbon Tetrachloride
Concen: 0.06 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65724.D
Acq: 3 Sep 2021 12:49 pm

Tgt Ion:117 Resp: 380

Ion	Ratio	Lower	Upper
117	100		
119	87.5	64.8	124.8
121	43.5	1.6	61.6
82	66.7	0.0	54.2#



Manual Integration Approval Summary

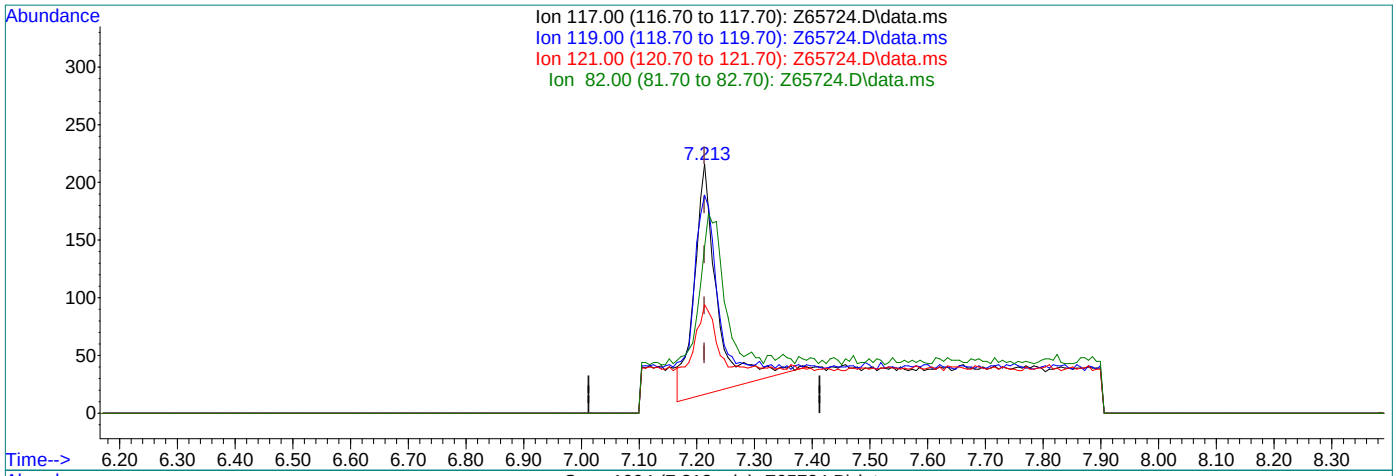
Sample Number: FA88607-4
Lab FileID: Z65724.D
Injection Time: 09/03/21 12:49
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

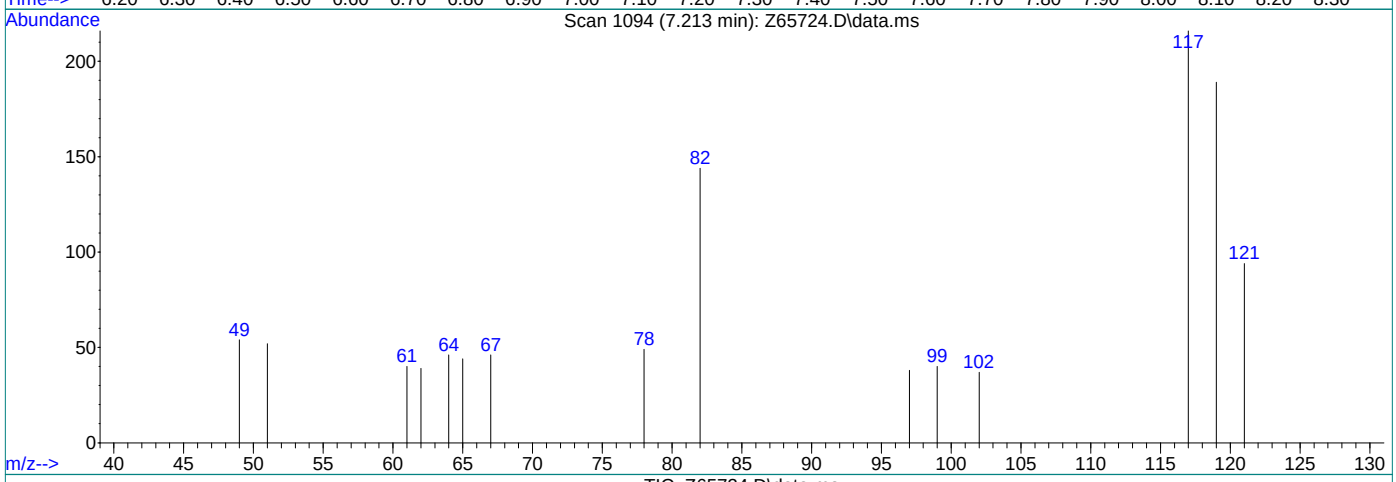
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65724.D
Acq On : 3 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : FA88607-4
Misc : MS49714,VZ2585,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 13:08:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65724.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.09ug/L

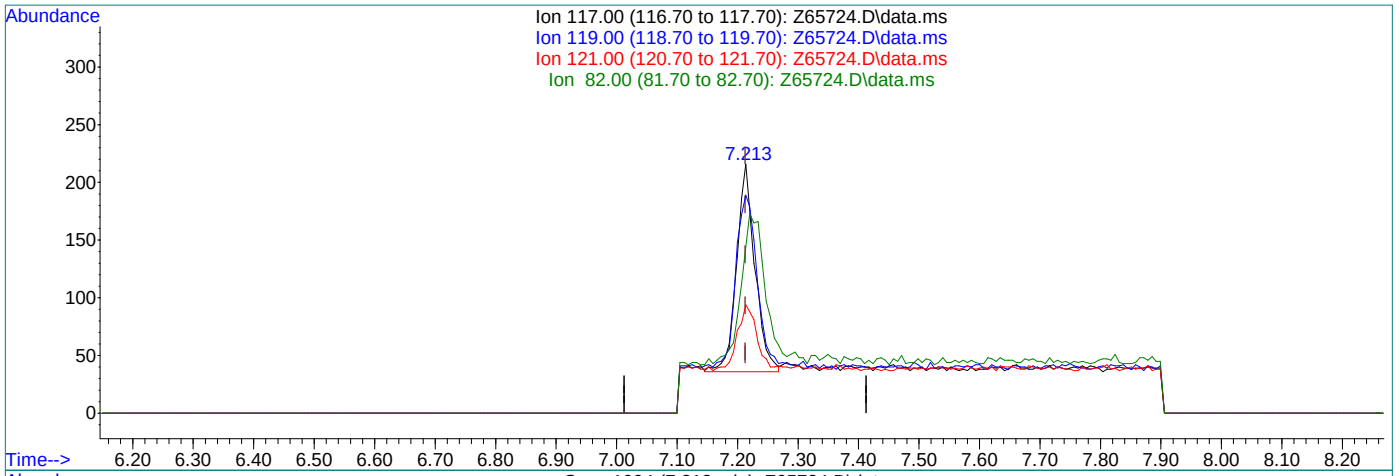
response 553

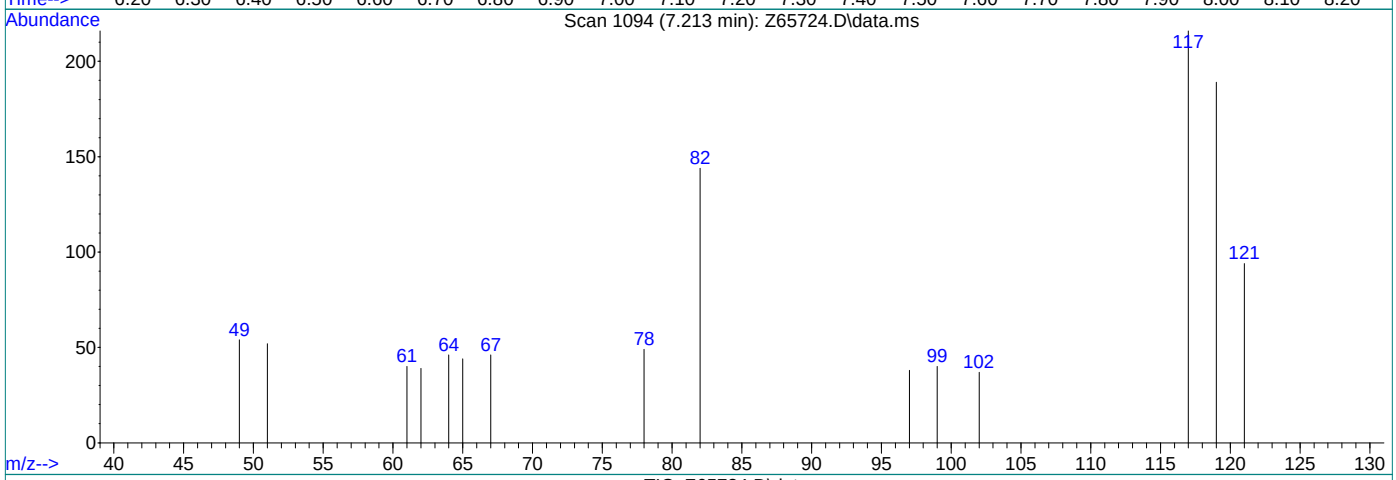
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	83.52
121.00	31.60	31.82
82.00	24.20	55.68#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65724.D
Acq On : 3 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : FA88607-4
Misc : MS49714,VZ2585,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 13:08:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65724.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.06ug/L m

response 380

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	87.50
121.00	31.60	43.52
82.00	24.20	66.67#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

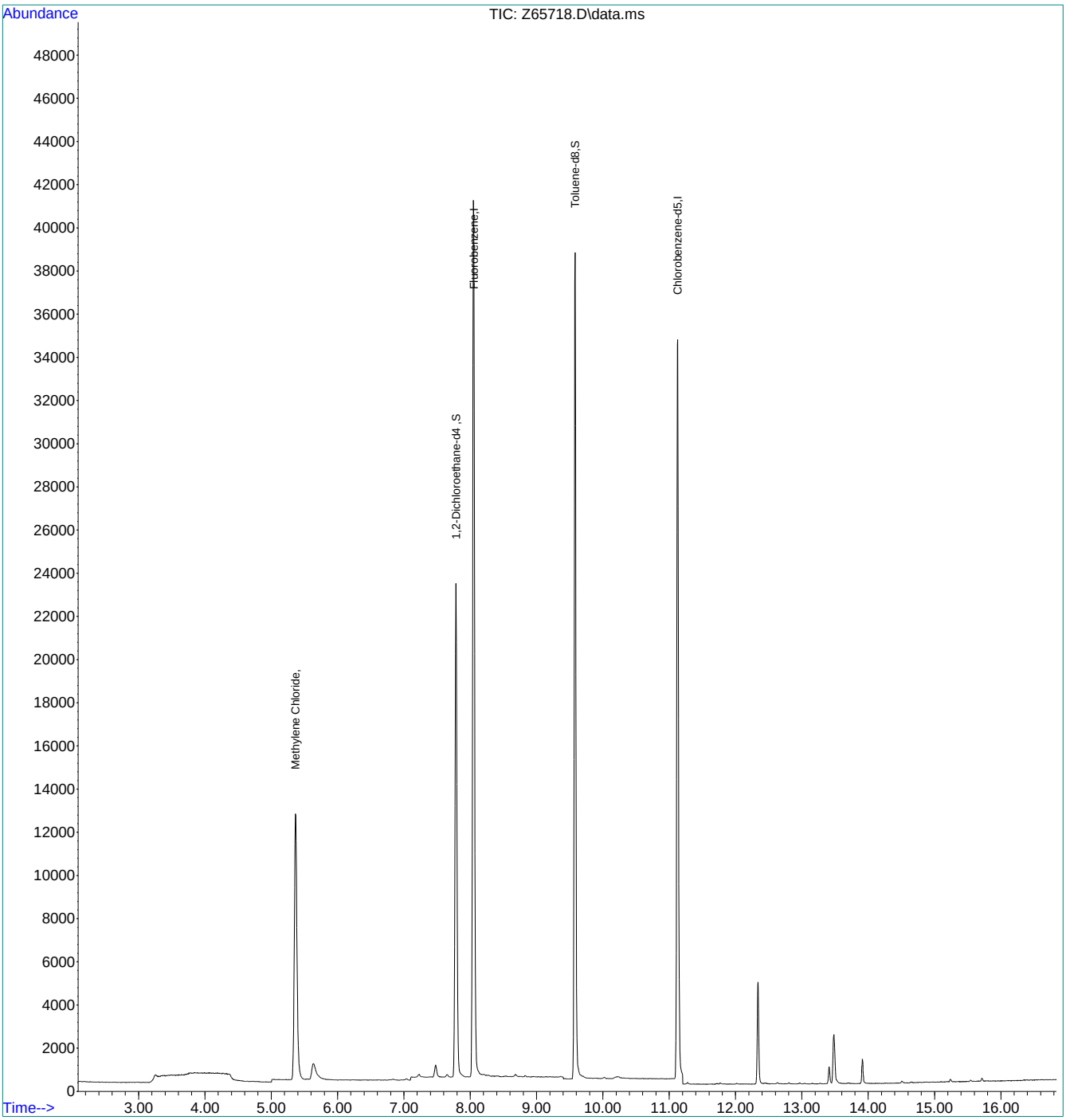
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	49294	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	34756	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	22199	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	9.582	98	39126	5.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	11597	1.44	ug/L	# 62

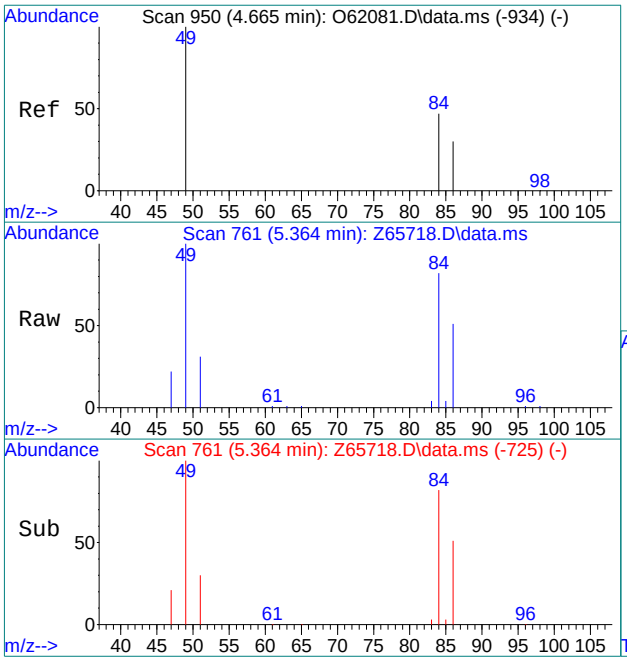
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

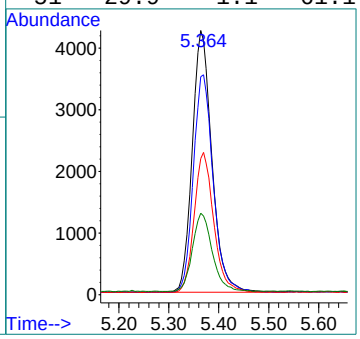




#5
Methylene Chloride
Concen: 1.44 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65718.D
Acq: 3 Sep 2021 10:44 am

Tgt Ion: 49 Resp: 11597

Ion	Ratio	Lower	Upper
49	100		
84	82.3	13.9	73.9#
86	51.0	0.0	58.0
51	29.9	1.1	61.1



7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

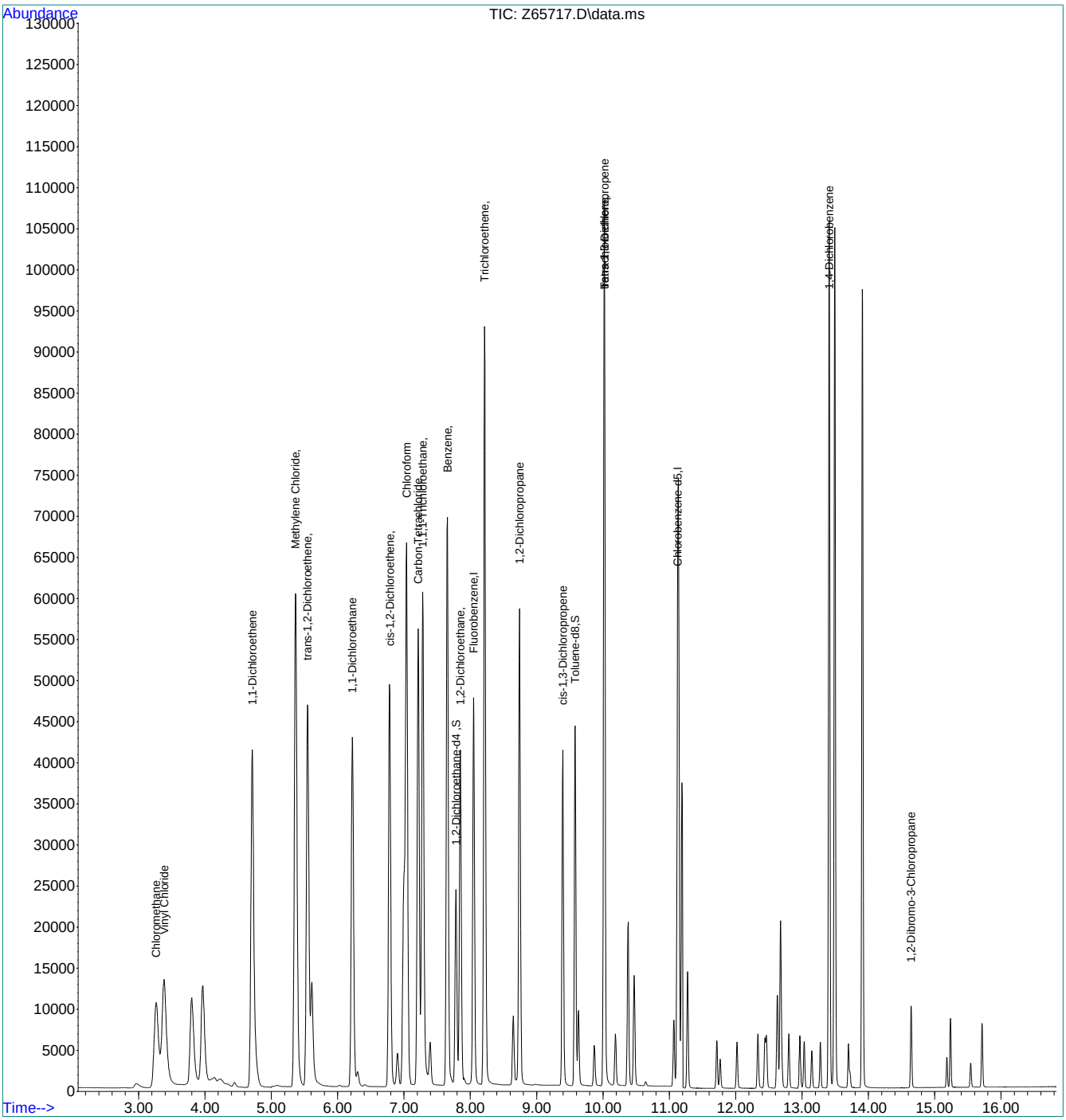
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	56138	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44608	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	22654	4.70	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.00%			
19) Toluene-d8	9.576	98	44678	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	39920	4.32	ug/L	97
3) Chloromethane	3.263	50	36326	4.09	ug/L	98
4) 1,1-Dichloroethene	4.713	61	51442	5.56	ug/L	96
5) Methylene Chloride	5.364	49	56293	6.31	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	46160	5.39	ug/L	82
7) 1,1-Dichloroethane	6.221	63	60084	5.39	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	32101	5.20	ug/L #	72
9) Chloroform	7.039	83	69706	5.02	ug/L	87
10) Carbon Tetrachloride	7.213	117	47633	5.54	ug/L	96
11) 1,1,1-Trichloroethane	7.281	97	56221	5.30	ug/L	89
12) Benzene	7.655	78	118144	5.26	ug/L	78
14) 1,2-Dichloroethane	7.851	62	41494	4.78	ug/L	85
15) Trichloroethene	8.214	95	34019	5.30	ug/L	95
16) 1,2-Dichloropropane	8.742	63	29547	5.06	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	34710	4.61	ug/L #	68
20) trans-1,3-Dichloropropene	10.022	75	33070	5.02	ug/L #	72
21) Tetrachloroethene	10.022	166	31164	5.23	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	64187	5.37	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3808	4.27	ug/L #	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

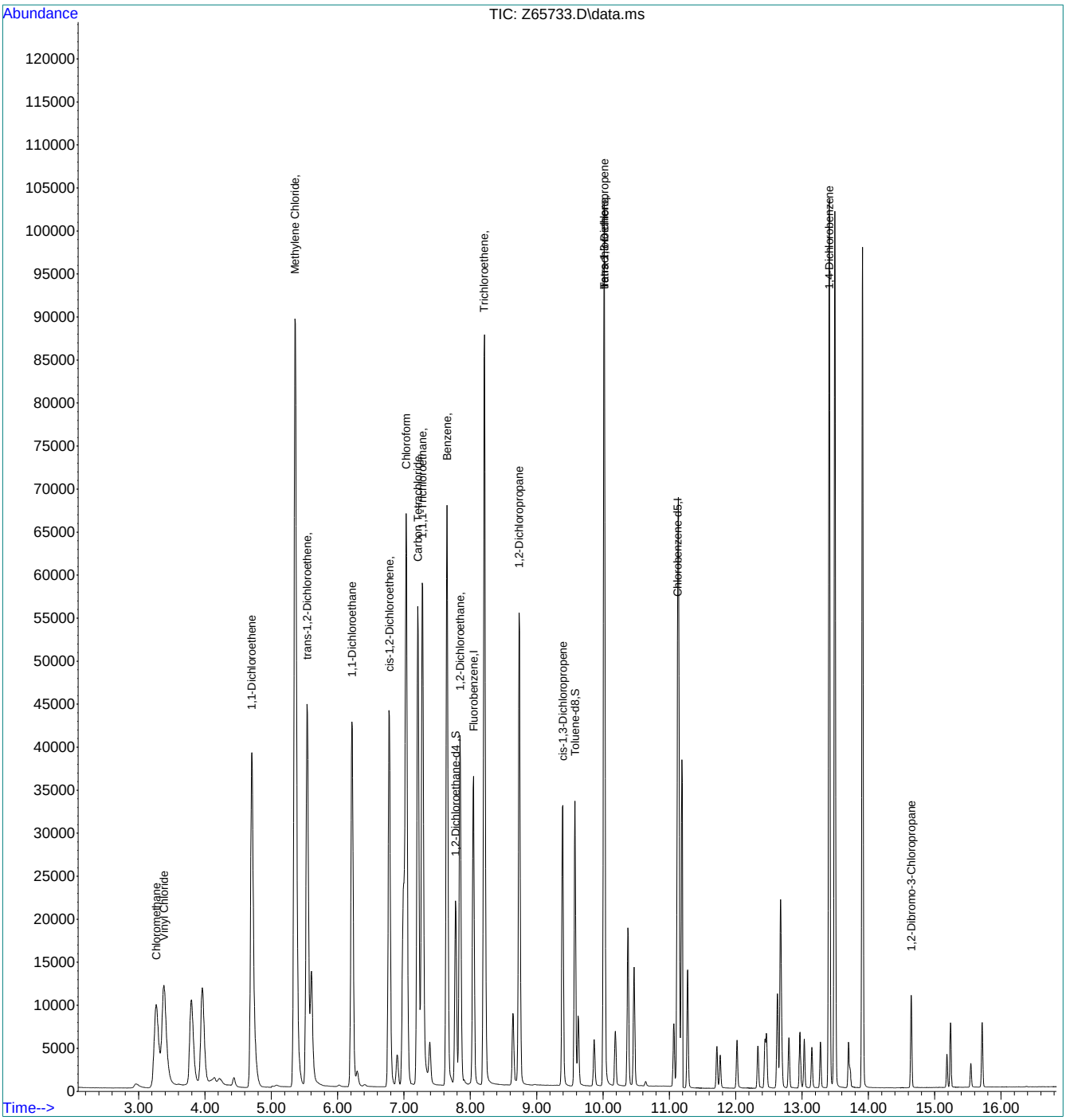
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	42576	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	37557	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.777	65	20296	5.55	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.00%				
19) Toluene-d8	9.576	98	32739	4.23	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 84.60%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	36385	5.19	ug/L		97
3) Chloromethane	3.267	50	34867	5.22	ug/L		98
4) 1,1-Dichloroethene	4.704	61	48377	6.90	ug/L		96
5) Methylene Chloride	5.358	49	82703	12.69	ug/L	#	62
6) trans-1,2-Dichloroethene	5.539	61	43001	6.62	ug/L		79
7) 1,1-Dichloroethane	6.215	63	58781	6.96	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	28083	6.00	ug/L	#	71
9) Chloroform	7.033	83	68453	6.50	ug/L		87
10) Carbon Tetrachloride	7.207	117	46770	7.17	ug/L		98
11) 1,1,1-Trichloroethane	7.275	97	55113	6.85	ug/L		89
12) Benzene	7.648	78	109688	6.44	ug/L		79
14) 1,2-Dichloroethane	7.845	62	42015	6.38	ug/L		86
15) Trichloroethene	8.208	95	32082	6.59	ug/L		97
16) 1,2-Dichloropropane	8.736	63	27566	6.23	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	28565	4.98	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	29356	5.27	ug/L	#	72
21) Tetrachloroethene	10.017	166	29464	5.87	ug/L	#	91
22) 1,4-Dichlorobenzene	13.410	146	62259	6.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4216	5.60	ug/L	#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

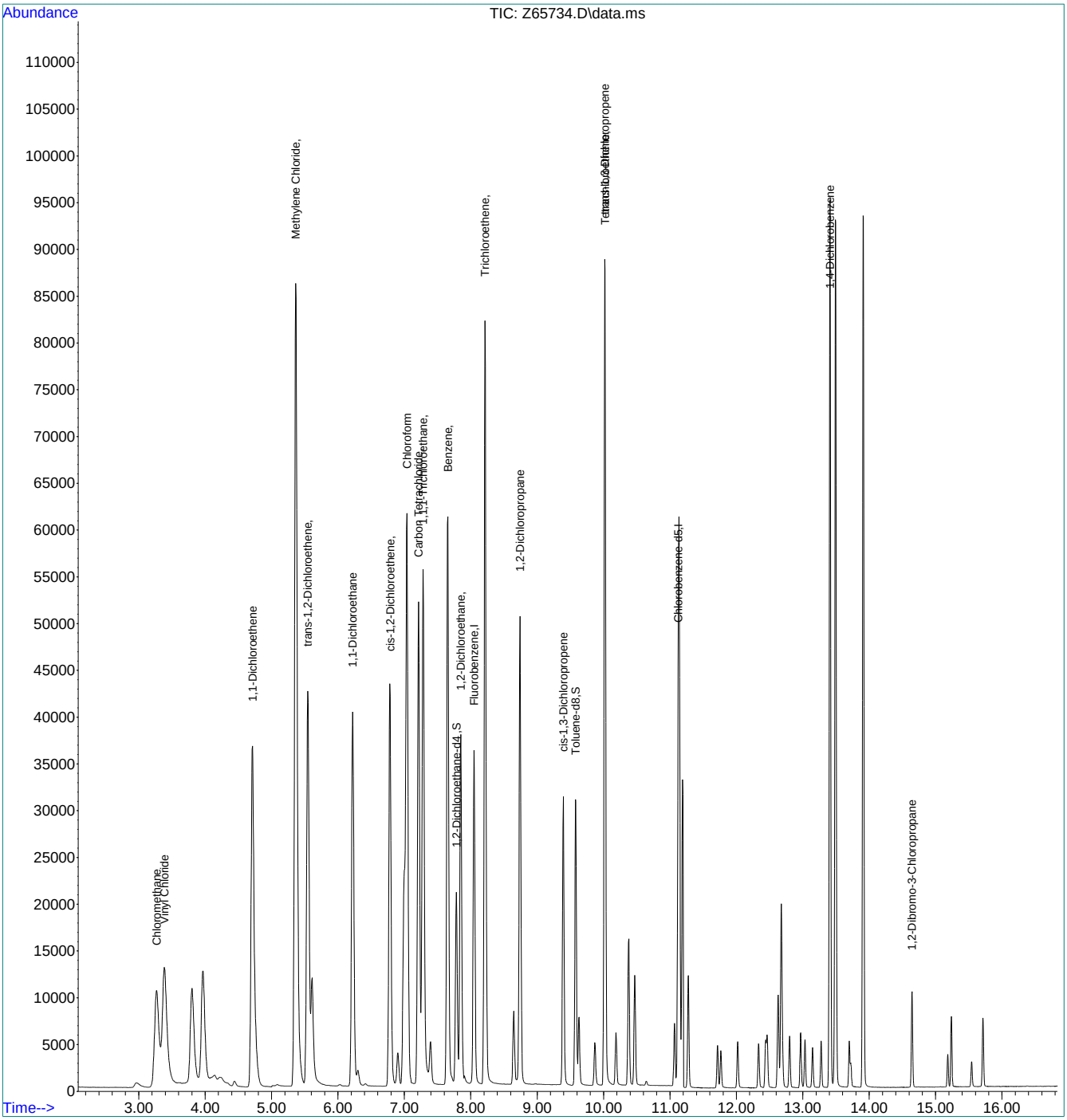
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	42339	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	34132	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19533	5.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.40%			
19) Toluene-d8	9.576	98	31522	4.48	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	39747	5.71	ug/L	96
3) Chloromethane	3.272	50	37040	5.59	ug/L	99
4) 1,1-Dichloroethene	4.713	61	47396	6.80	ug/L	96
5) Methylene Chloride	5.364	49	81965	12.65	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	41876	6.48	ug/L	79
7) 1,1-Dichloroethane	6.221	63	56081	6.68	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	27663	5.94	ug/L #	72
9) Chloroform	7.039	83	64502	6.15	ug/L	87
10) Carbon Tetrachloride	7.213	117	43372	6.68	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	51230	6.40	ug/L	89
12) Benzene	7.655	78	103166	6.09	ug/L	78
14) 1,2-Dichloroethane	7.851	62	38463	5.88	ug/L	85
15) Trichloroethene	8.214	95	29830	6.17	ug/L	94
16) 1,2-Dichloropropane	8.742	63	25144	5.71	ug/L	87
17) cis-1,3-Dichloropropene	9.394	75	25993	4.58	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	25956	5.14	ug/L #	73
21) Tetrachloroethene	10.022	166	25884	5.67	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	56985	6.23	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3926	5.74	ug/L #	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

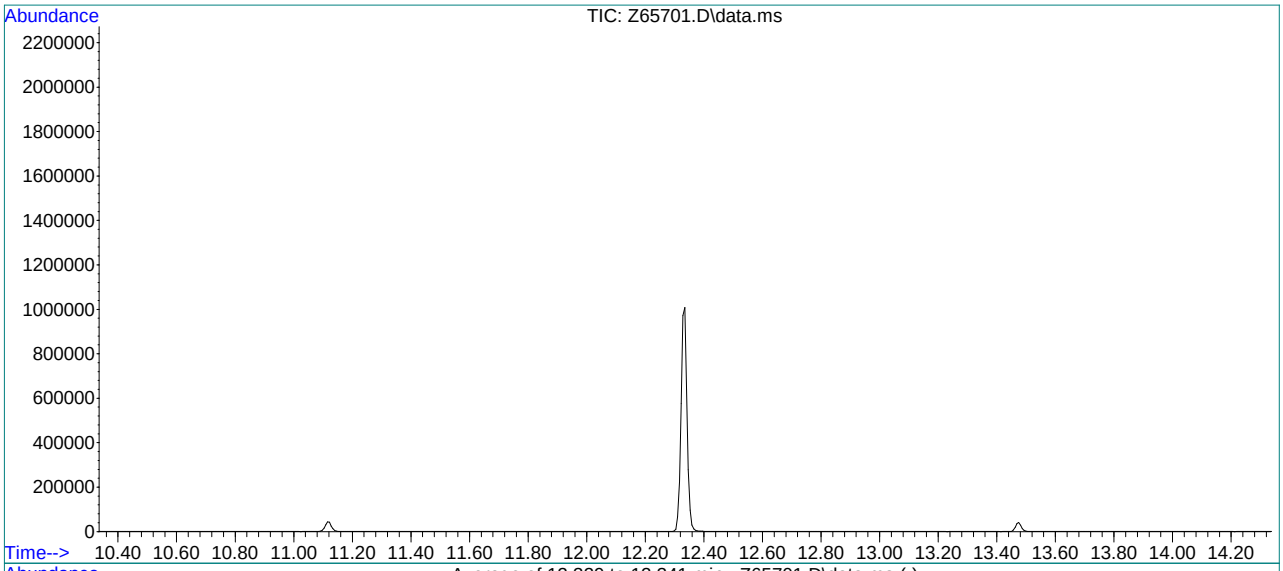
Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-02\Z65701.D Vial: 2
Acq On : 2 Sep 2021 12:35 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-08-04-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1844, 1845, 1846; Background Corrected with Scan 1836

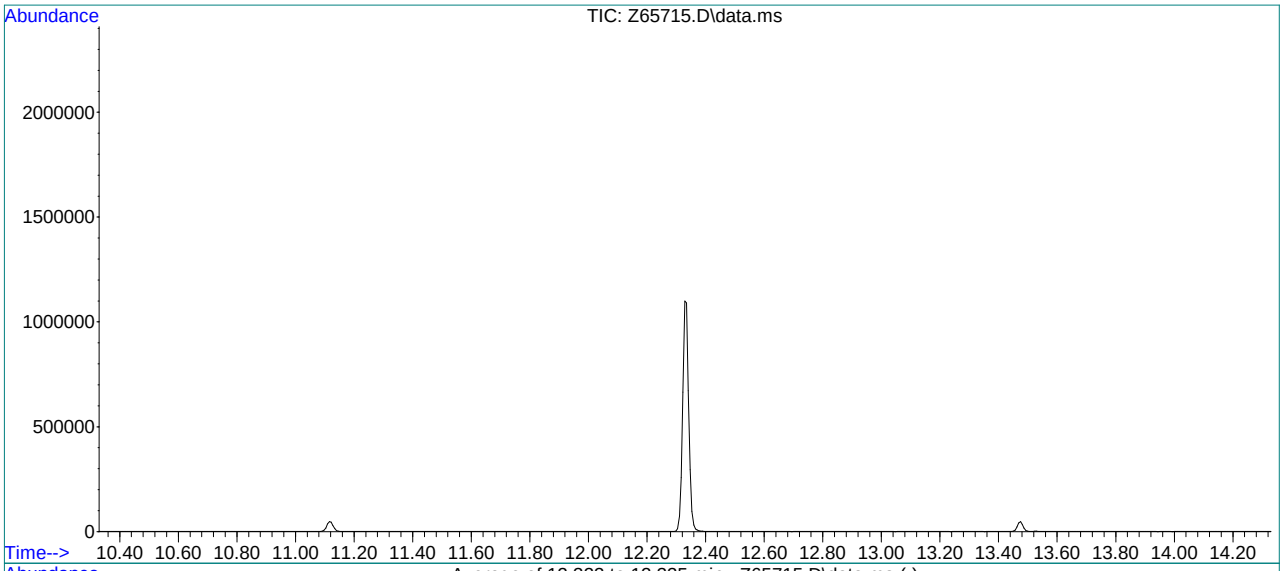
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	32941	PASS
75	95	30	60	56.1	91400	PASS
95	95	100	100	100.0	162995	PASS
96	95	5	9	6.9	11206	PASS
173	174	0.00	2	0.9	1242	PASS
174	95	50	100	86.5	140947	PASS
175	174	5	9	7.2	10204	PASS
176	174	95	101	99.6	140437	PASS
177	176	5	9	6.5	9114	PASS

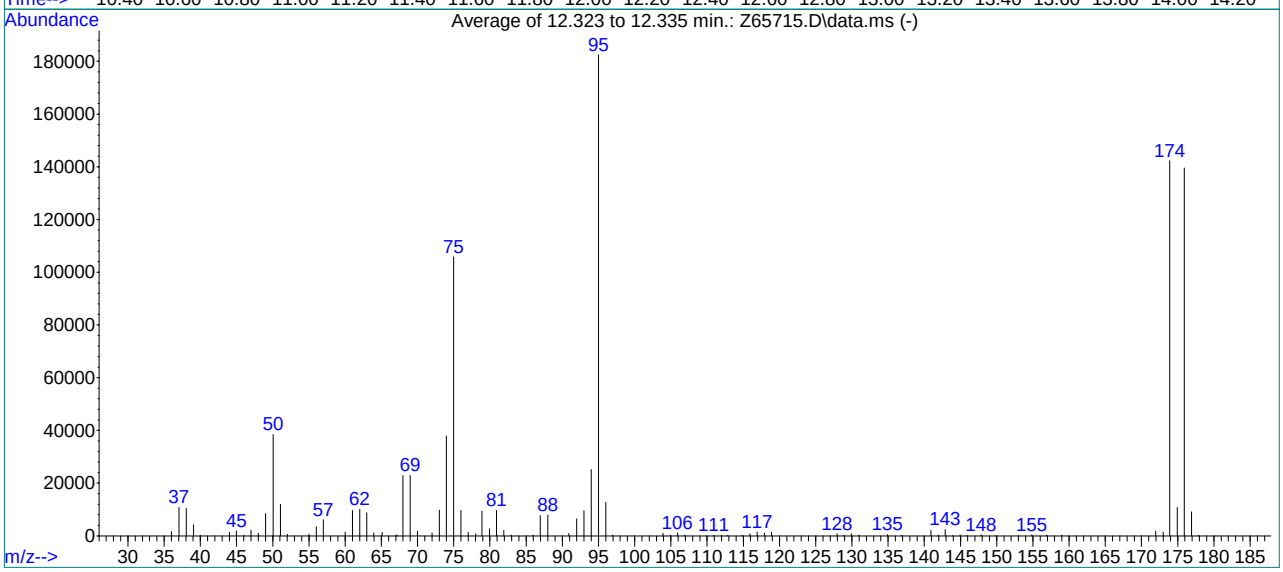
Z65701.D SIMCL-08-04-2021.M Fri Sep 03 09:33:28 2021

Methods: SW-846 8260B

```
Data File : C:\msdchem\1\data\2021-09-03\Z65715.D        Vial: 2
Acq On    :  3 Sep 2021   9:43 am                    Operator: CHARLENG
Sample    : bfb                                     Inst    : MSVOA15
Misc      : MS49506,VZ2585,,,,,                     Multiplr: 1.00
MS Integration Params: rteint.p

Method    : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title     : Standard Methods 6200B
```





AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	38475	PASS
75	95	30	60	58.0	105853	PASS
95	95	100	100	100.0	182464	PASS
96	95	5	9	7.0	12727	PASS
173	174	0.00	2	1.0	1494	PASS
174	95	50	100	78.0	142331	PASS
175	174	5	9	7.6	10776	PASS
176	174	95	101	98.0	139501	PASS
177	176	5	9	6.5	9064	PASS

Z65715.D SIMCL-09-02-2021.M Fri Sep 03 10:47:03 2021

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration

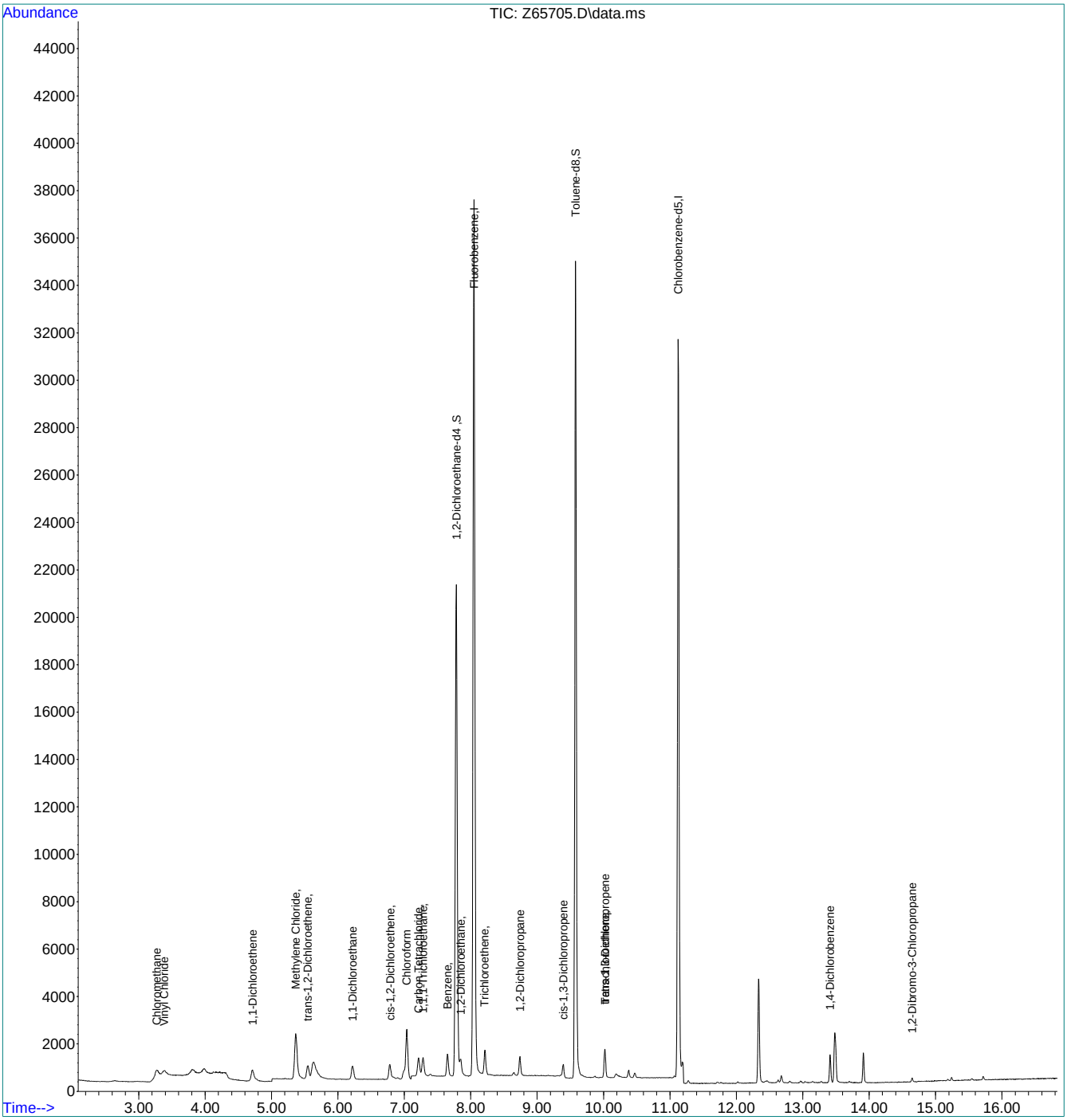
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	43726	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	31803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20759	7.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery =	145.80%#		
19) Toluene-d8	9.576	98	35071	5.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery =	106.60%		
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	775	0.10	ug/L	82
3) Chloromethane	3.272	50	1572m	0.22	ug/L	
4) 1,1-Dichloroethene	4.713	61	613	0.11	ug/L	92
5) Methylene Chloride	5.364	49	1910	0.30	ug/L #	59
6) trans-1,2-Dichloroethene	5.545	61	595	0.11	ug/L	80
7) 1,1-Dichloroethane	6.221	63	822	0.12	ug/L	97
8) cis-1,2-Dichloroethene	6.786	96	444	0.10	ug/L #	72
9) Chloroform	7.034	83	2250m	0.23	ug/L	
10) Carbon Tetrachloride	7.213	117	596m	0.12	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	693m	0.11	ug/L	
12) Benzene	7.648	78	1552	0.10	ug/L	80
14) 1,2-Dichloroethane	7.851	62	642	0.13	ug/L	84
15) Trichloroethene	8.208	95	408	0.10	ug/L	94
16) 1,2-Dichloropropane	8.742	63	404	0.12	ug/L	89
17) cis-1,3-Dichloropropene	9.394	75	452	0.10	ug/L #	71
20) trans-1,3-Dichloropropene	10.022	75	376	0.10	ug/L #	69
21) Tetrachloroethene	10.022	166	389	0.10	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	766m	0.10	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	88m	0.19	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:44 2021 Page: 2

Manual Integration Approval Summary

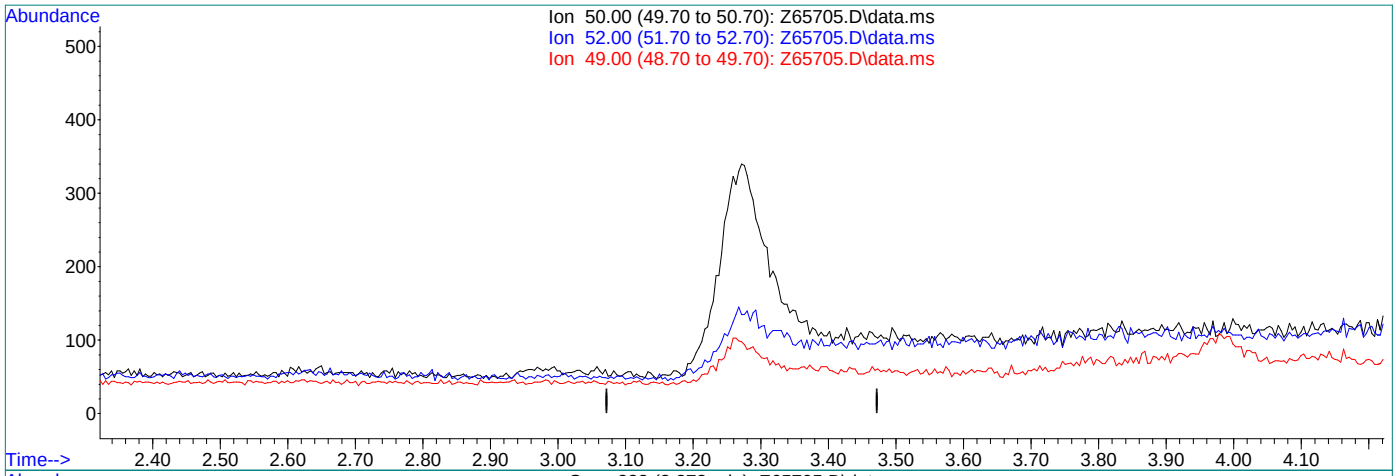
Sample Number: VZ2584-IC2584
Lab FileID: Z65705.D
Injection Time: 09/02/21 14:48
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

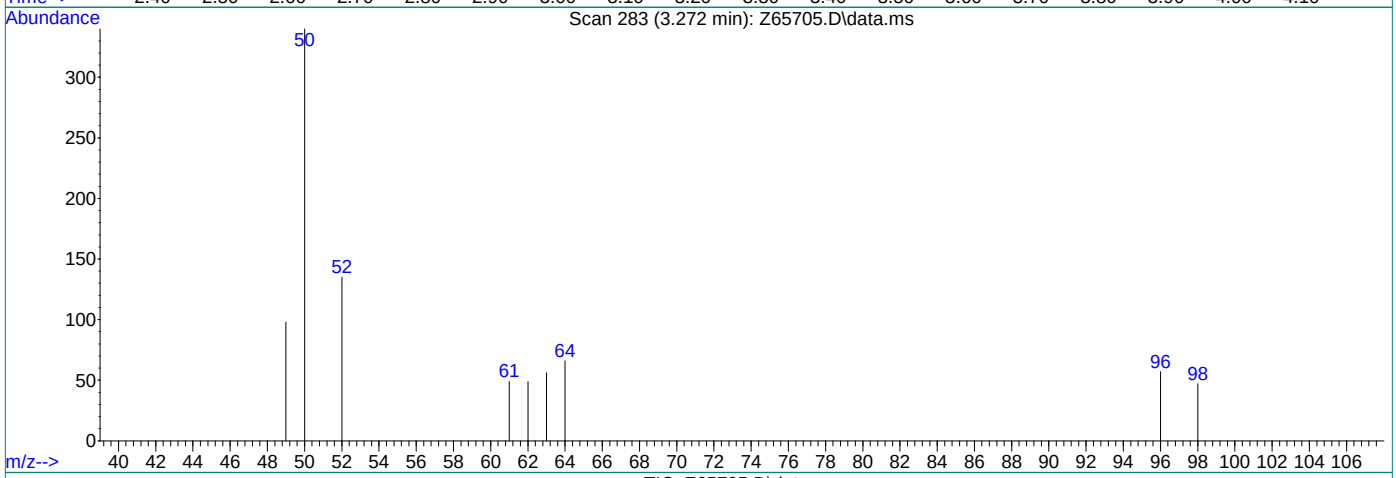
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.27	Missed peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-3.272) 0.00ug/L

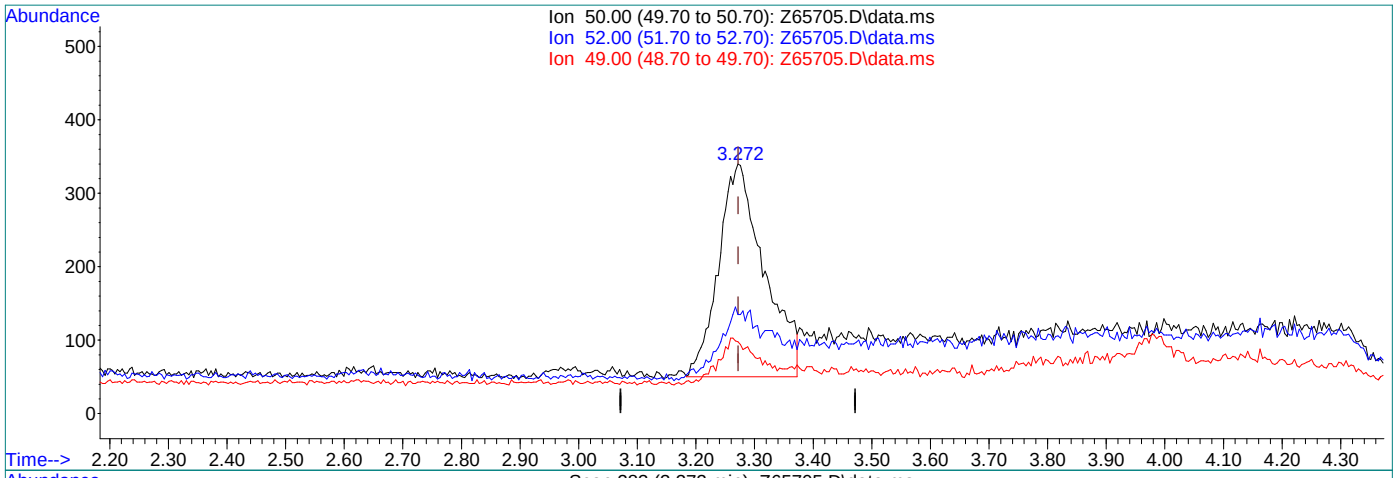
response 0

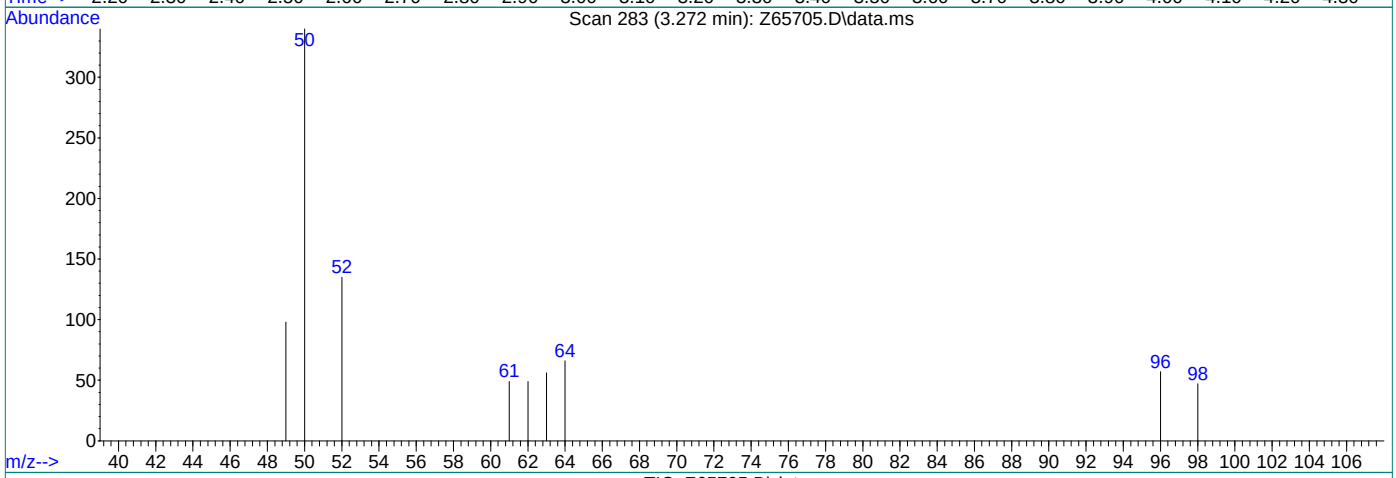
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.80	0.00#
49.00	9.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-0.000) 0.22ug/L m

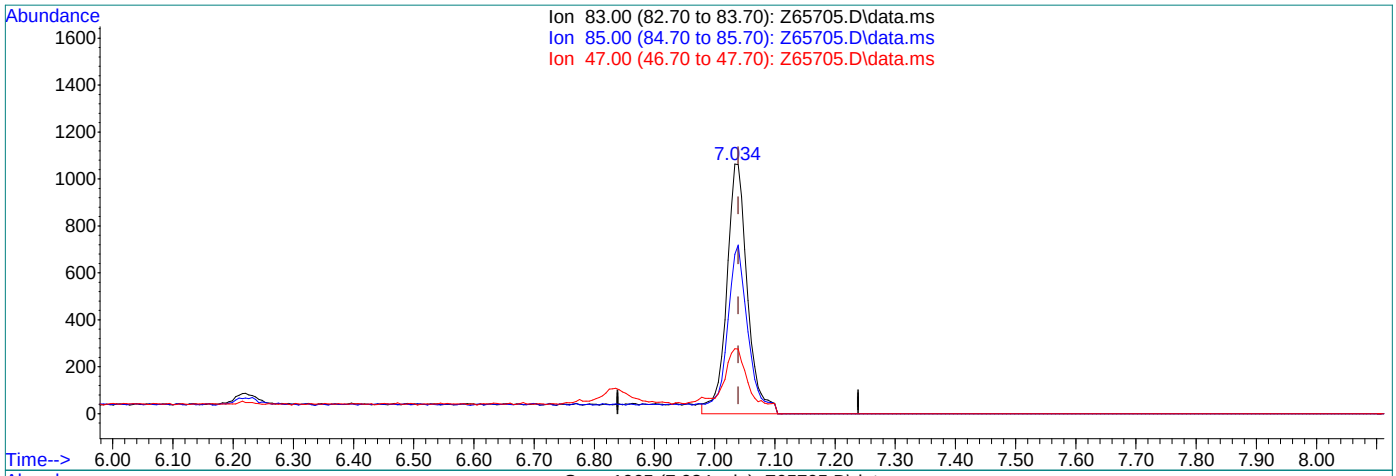
response 1572

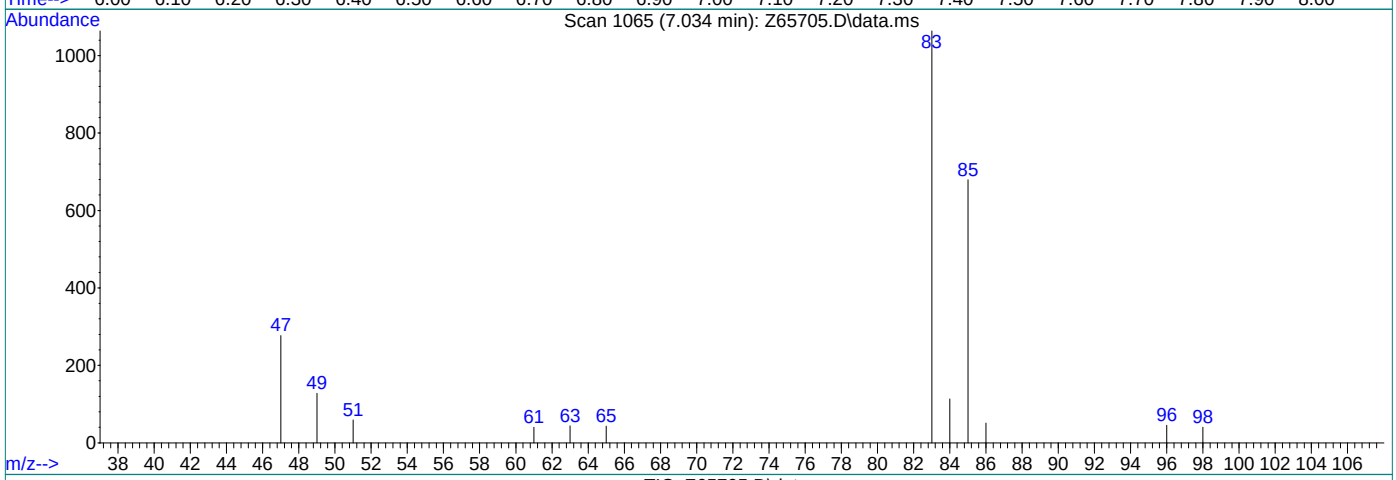
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.71
49.00	9.90	28.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.26ug/L

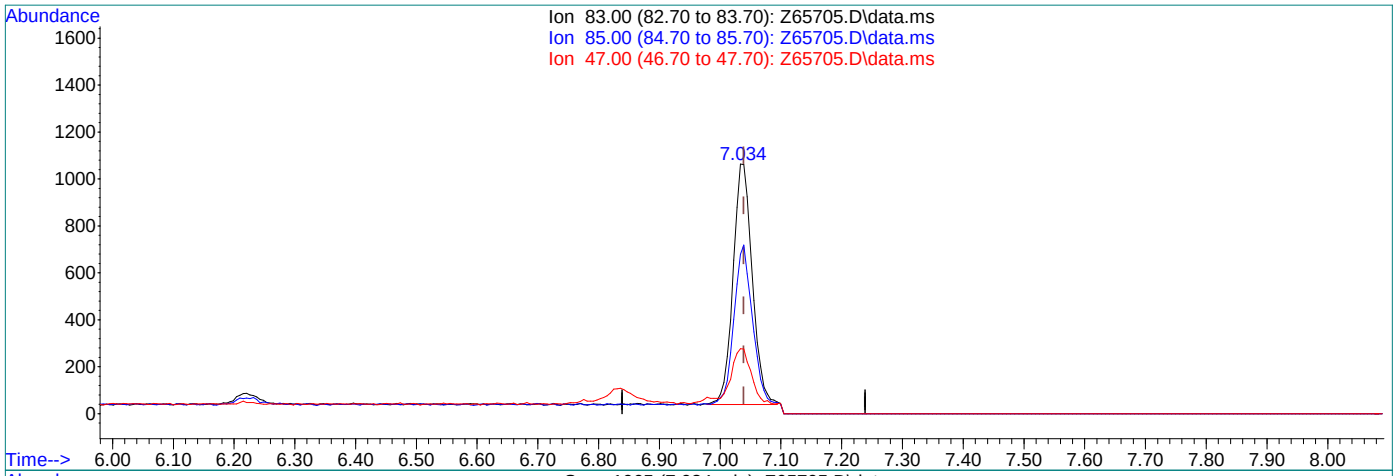
response 2560

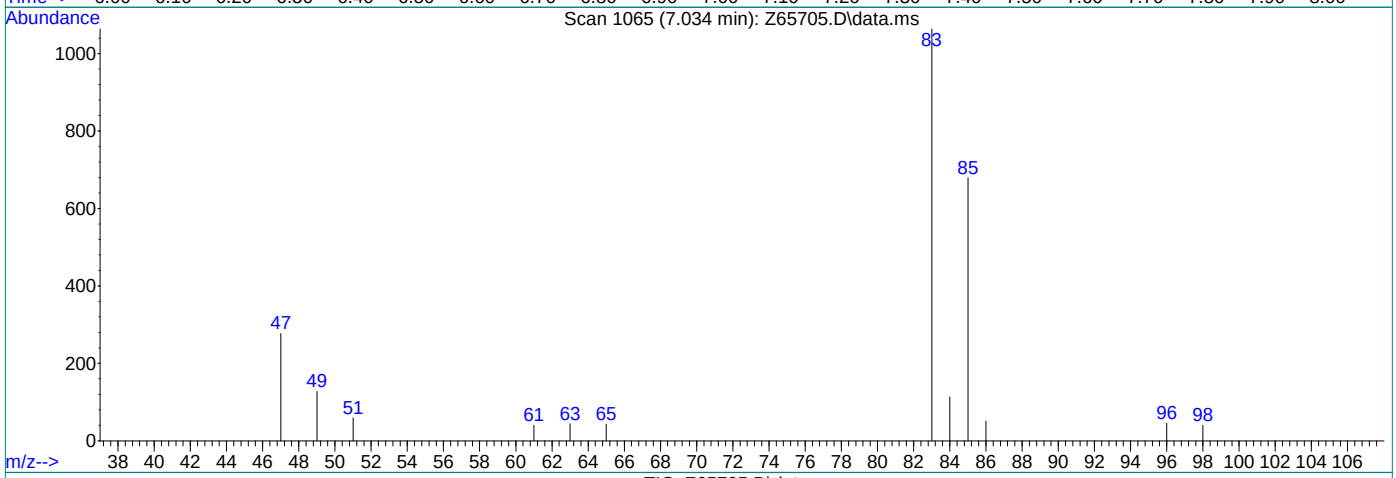
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.23ug/L m

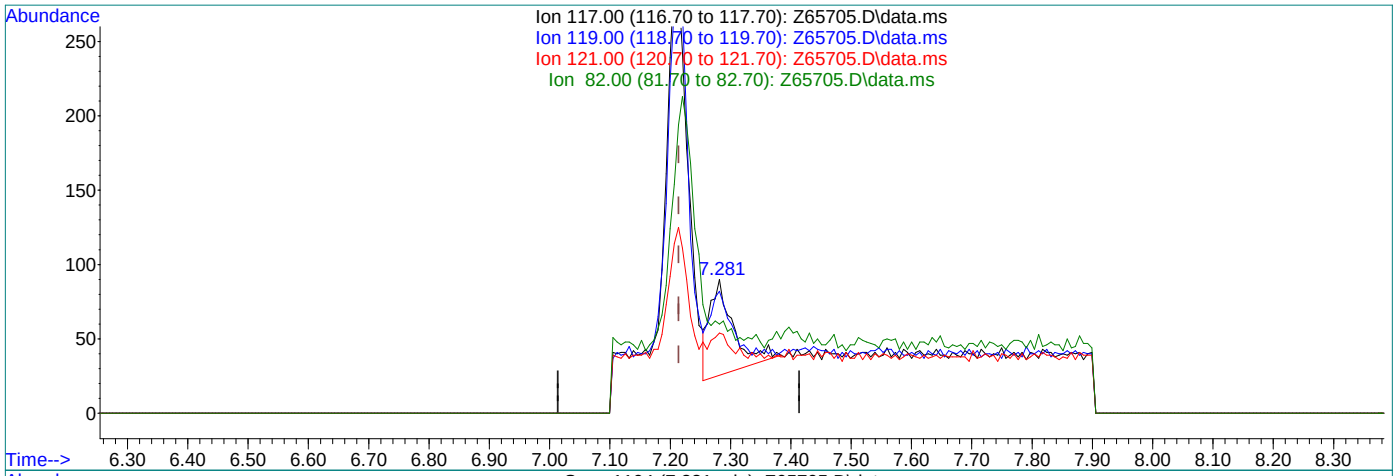
response 2250

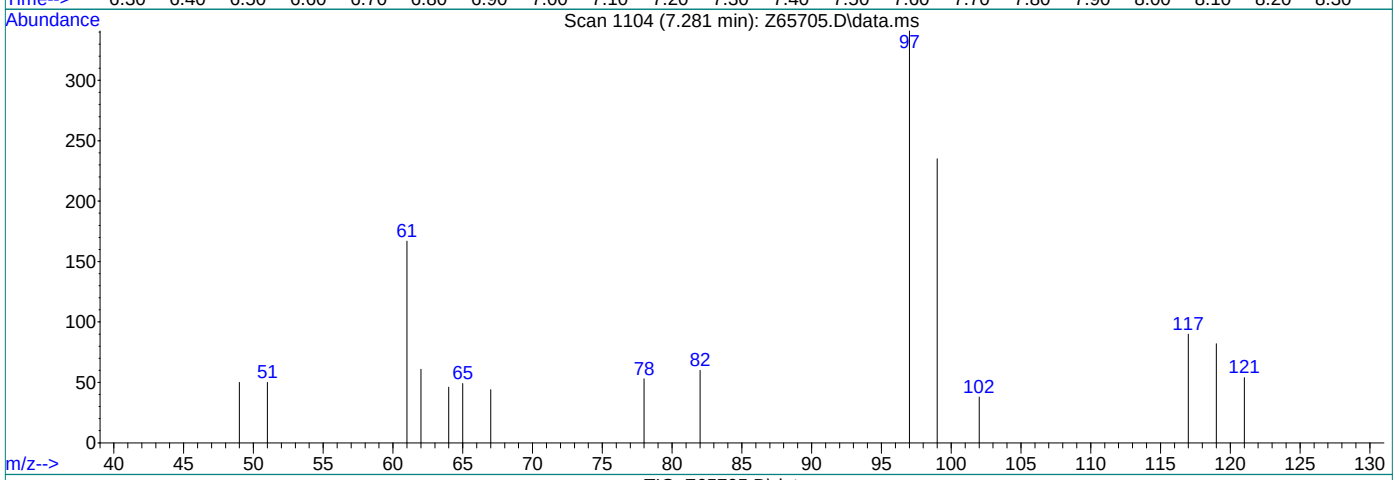
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.281min (+0.067) 0.04ug/L

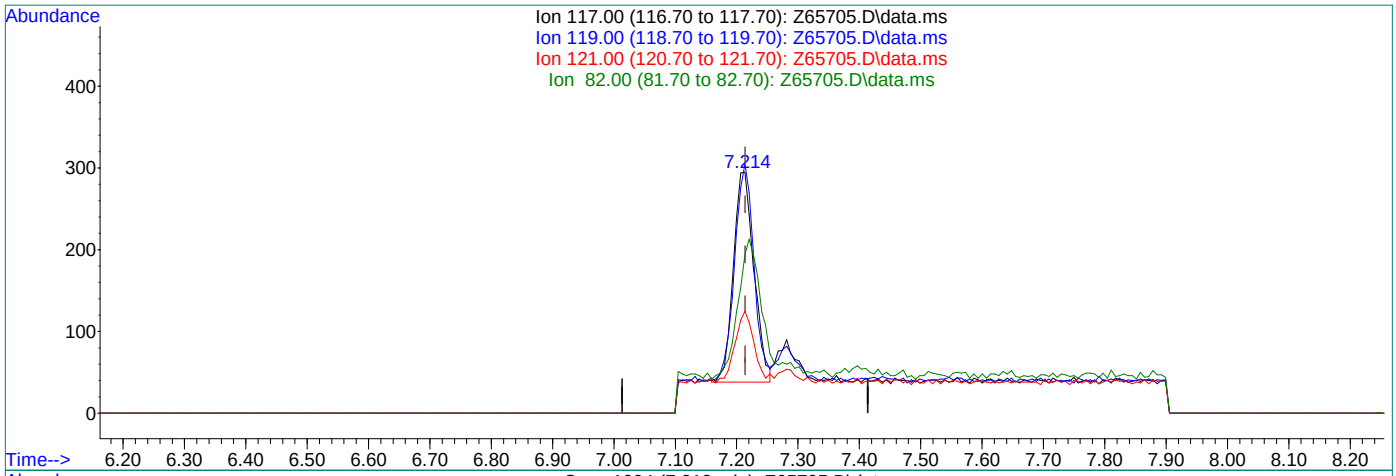
response 177

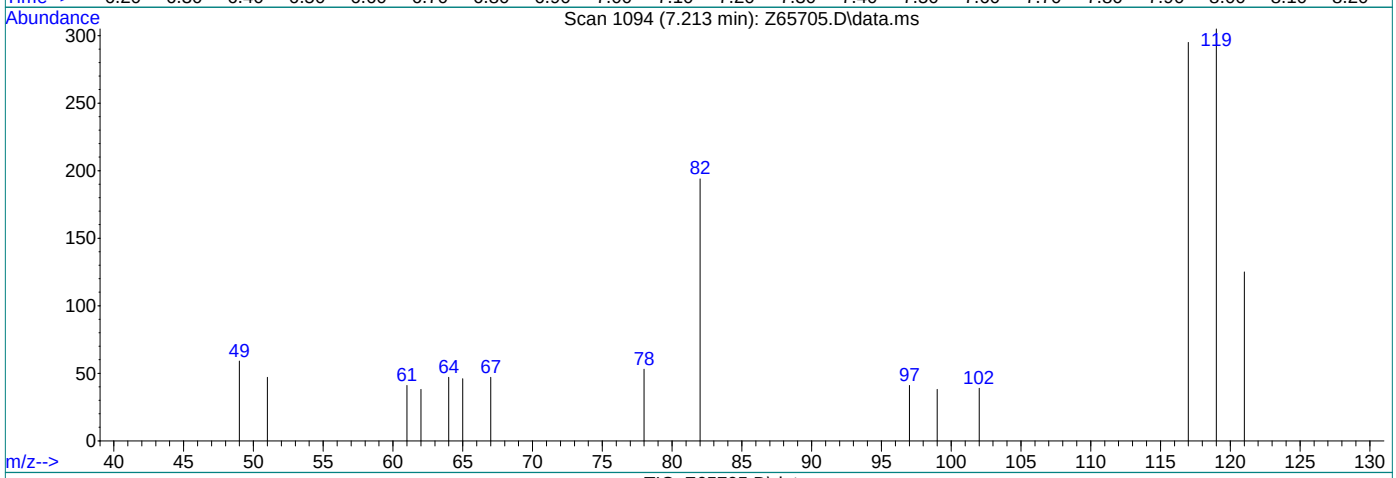
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	80.39
121.00	31.60	31.37
82.00	24.20	19.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.12ug/L m

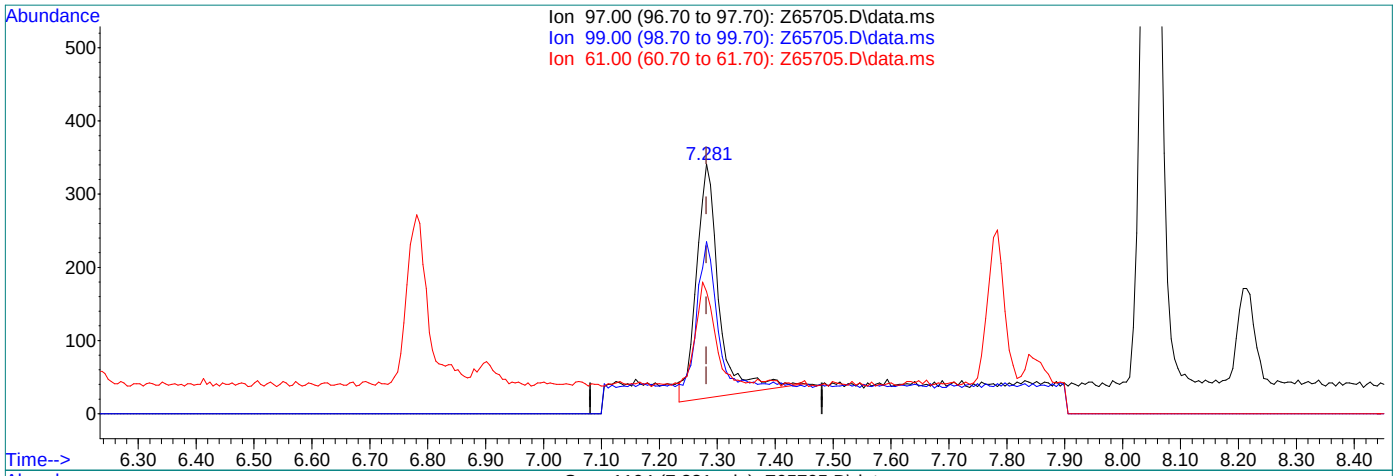
response 596

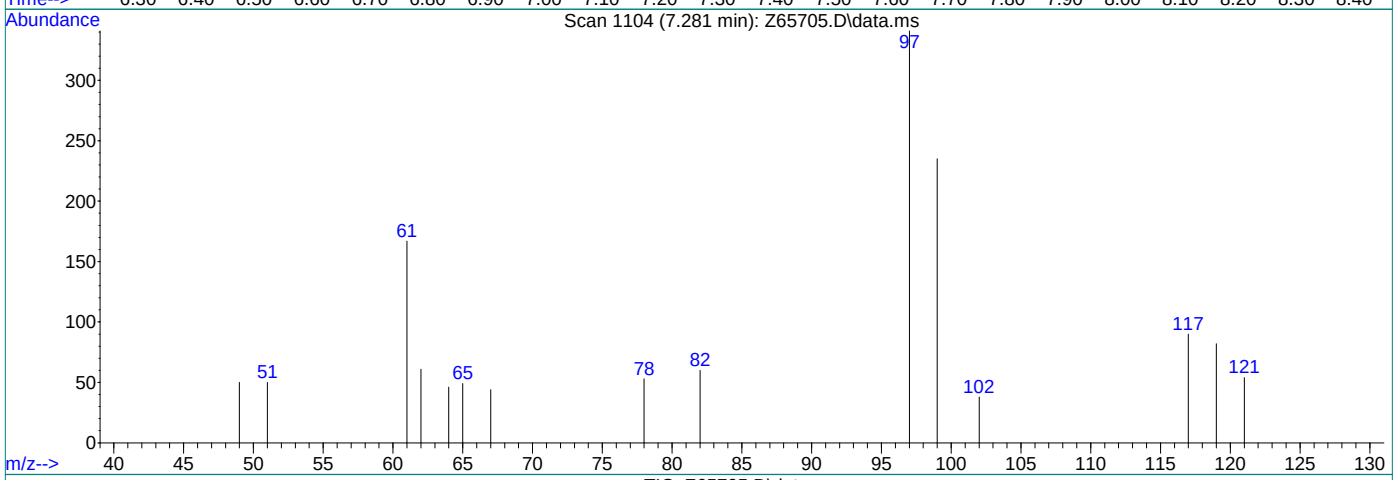
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.39
121.00	31.60	42.37
82.00	24.20	65.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.14ug/L

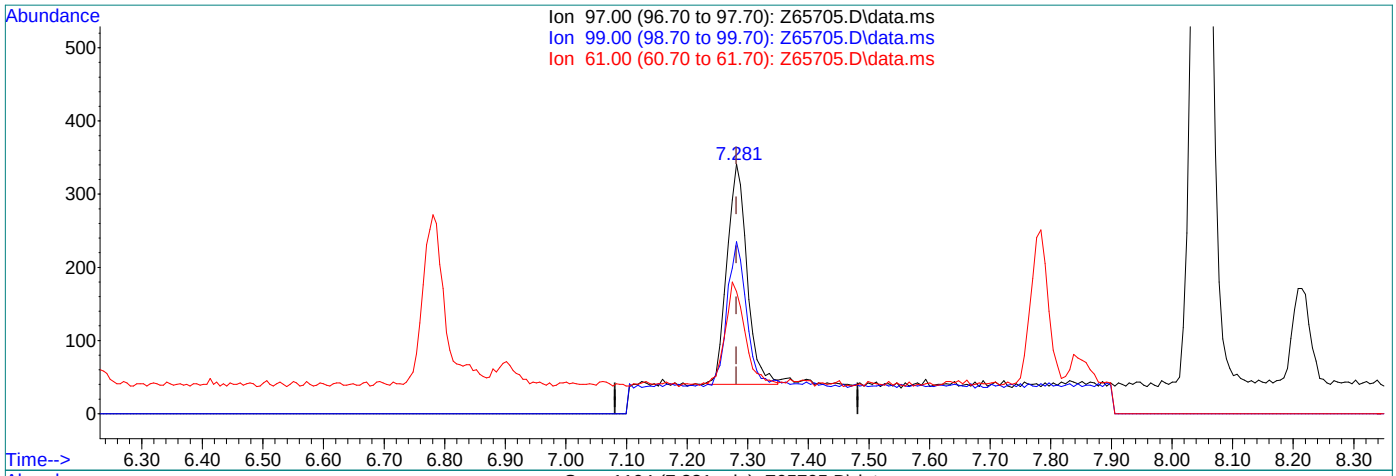
response 866

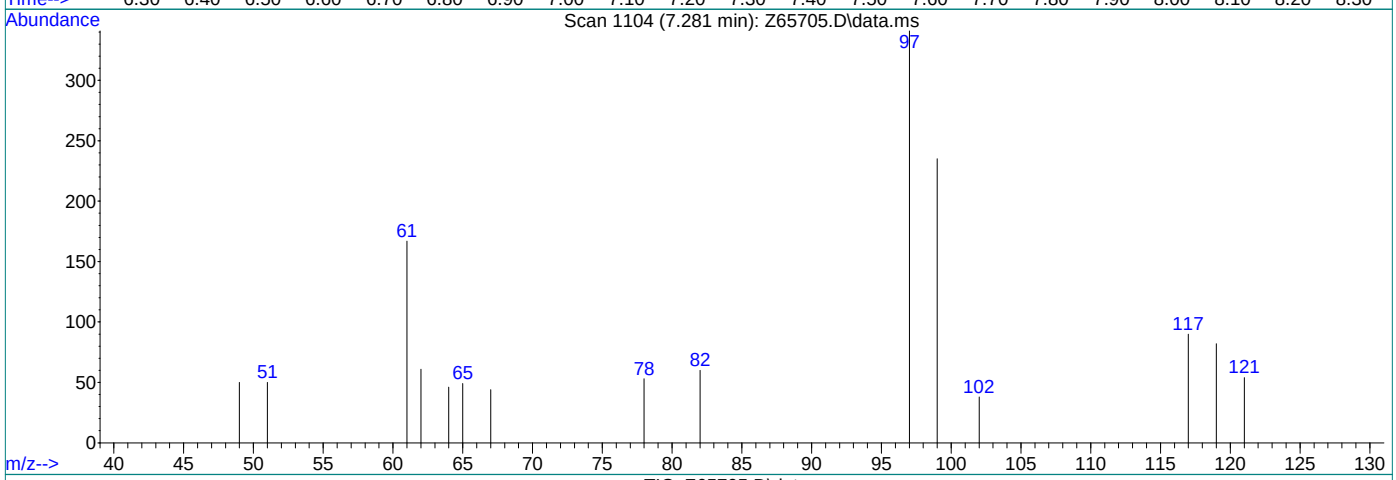
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	66.00
61.00	61.40	42.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.11ug/L m

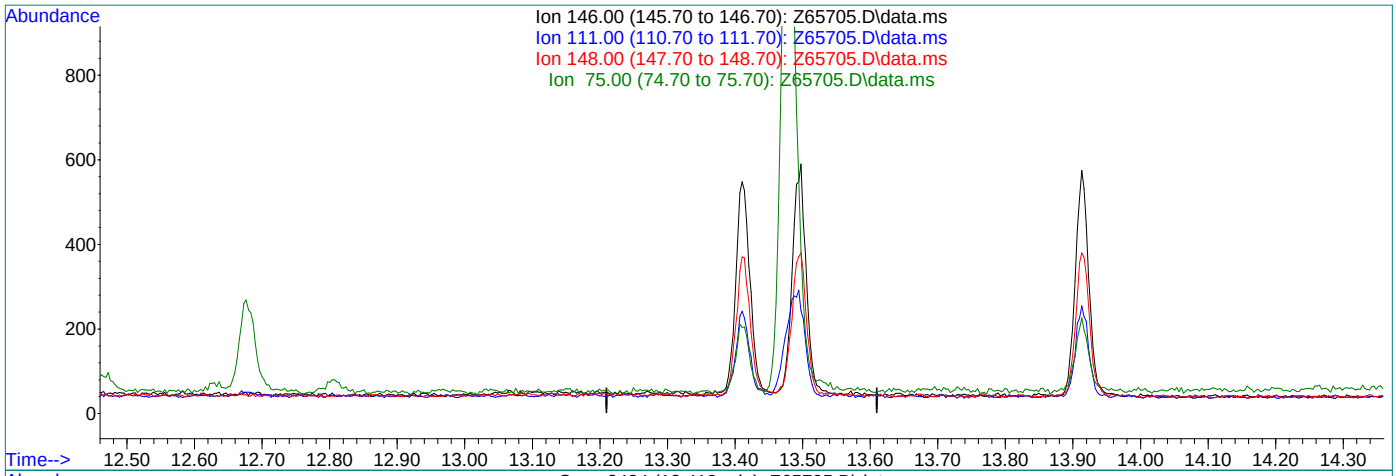
response 693

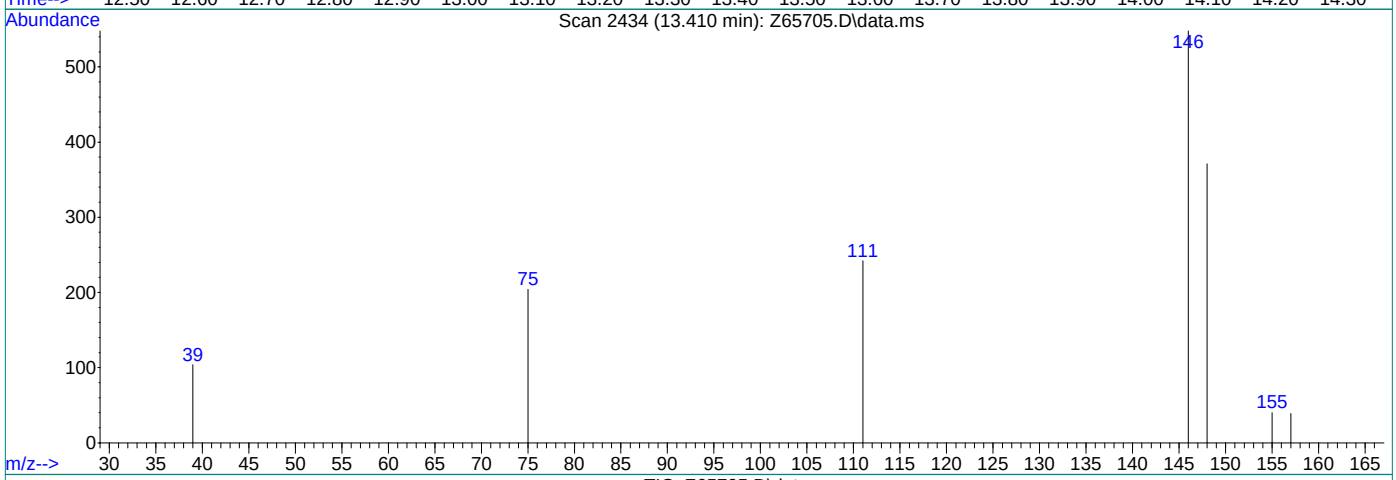
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	68.91
61.00	61.40	48.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-13.410) 0.00ug/L

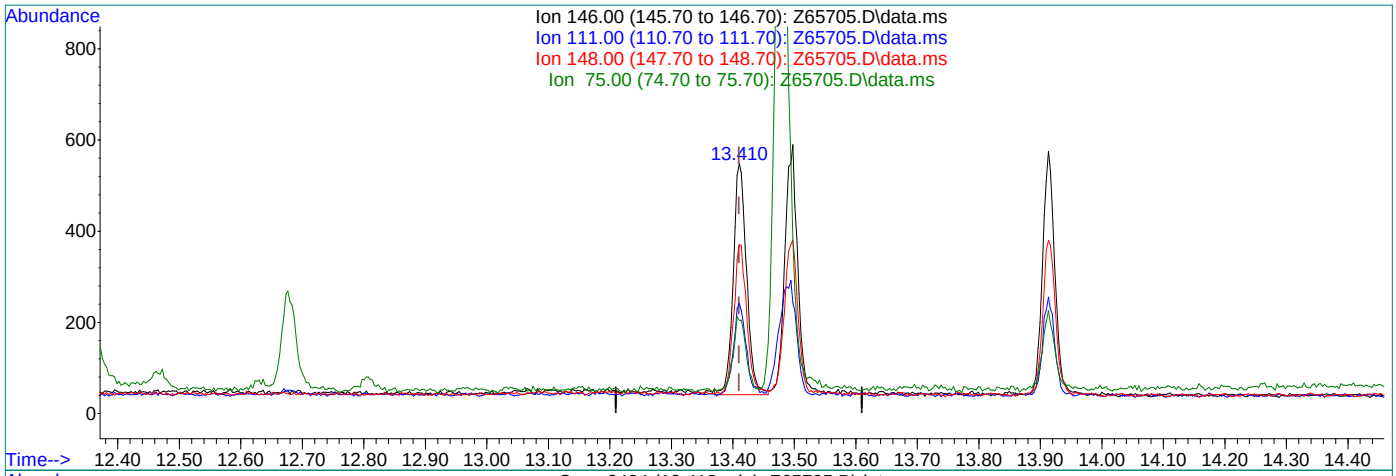
response 0

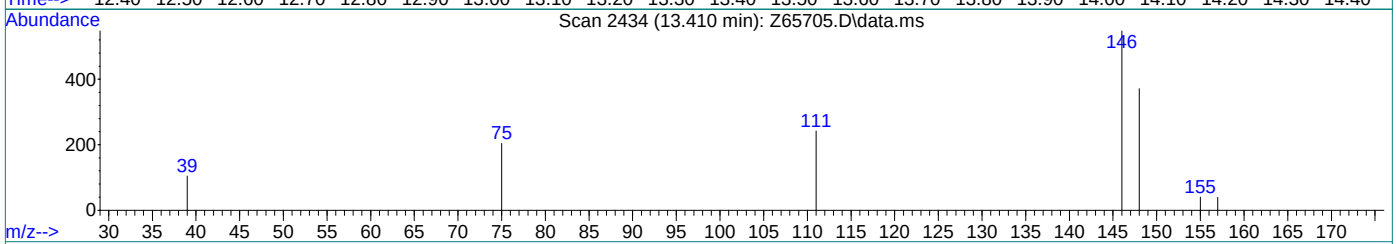
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

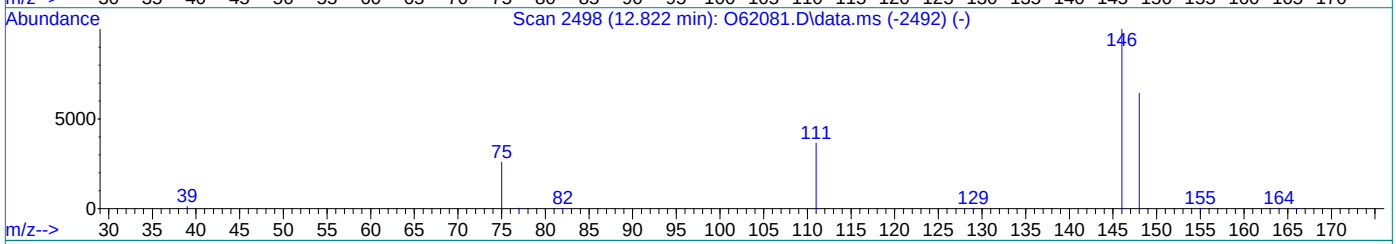
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (+0.000) 0.10ug/L m

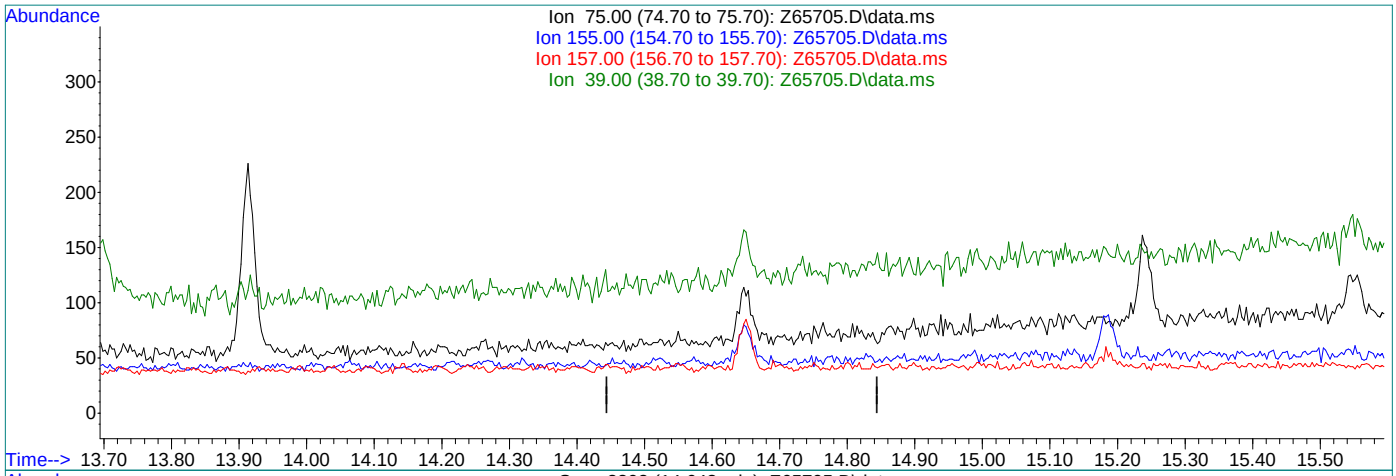
response 766

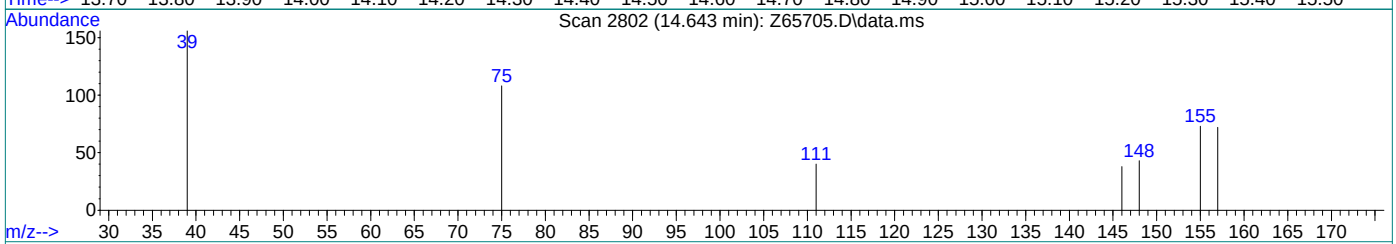
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	44.16
148.00	63.10	67.70
75.00	17.60	37.23

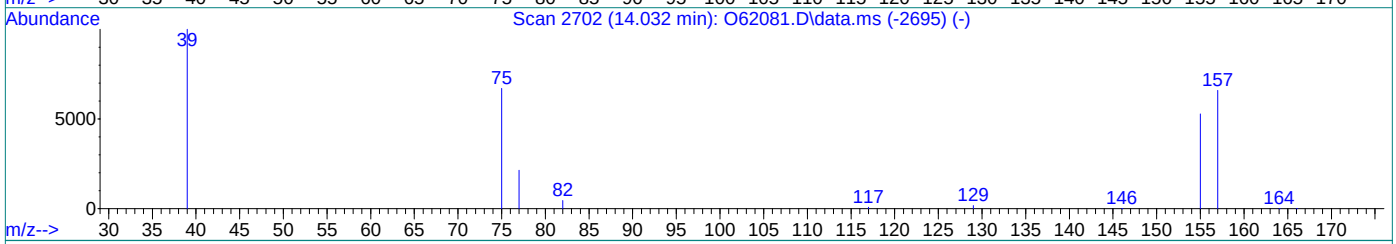
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

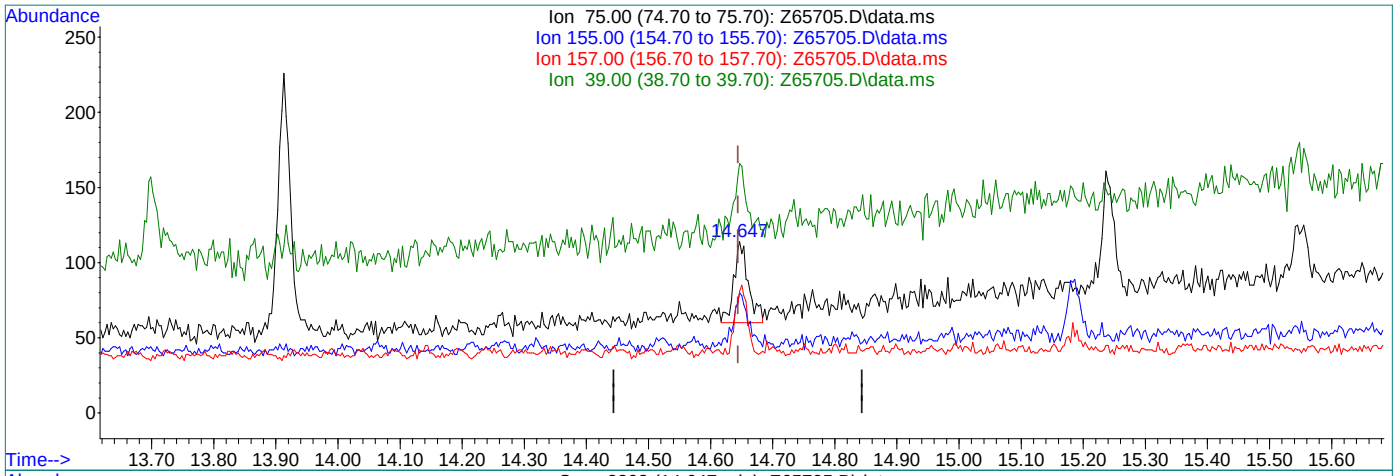
response 0

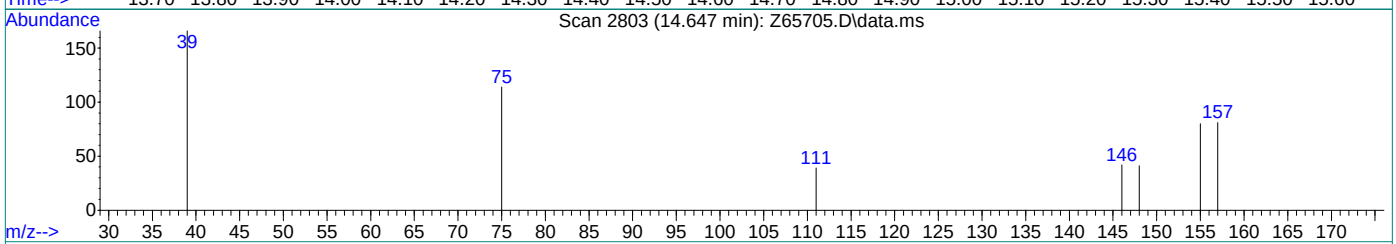
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

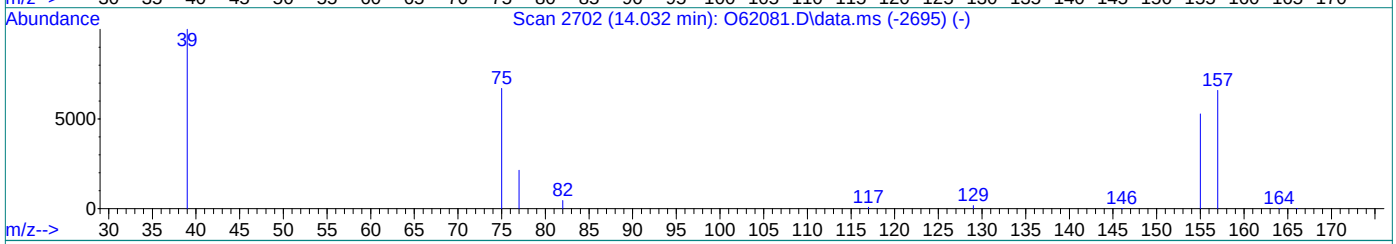
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.19ug/L m

response 88

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	70.18
157.00	81.90	71.05
39.00	23.90	145.61#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration

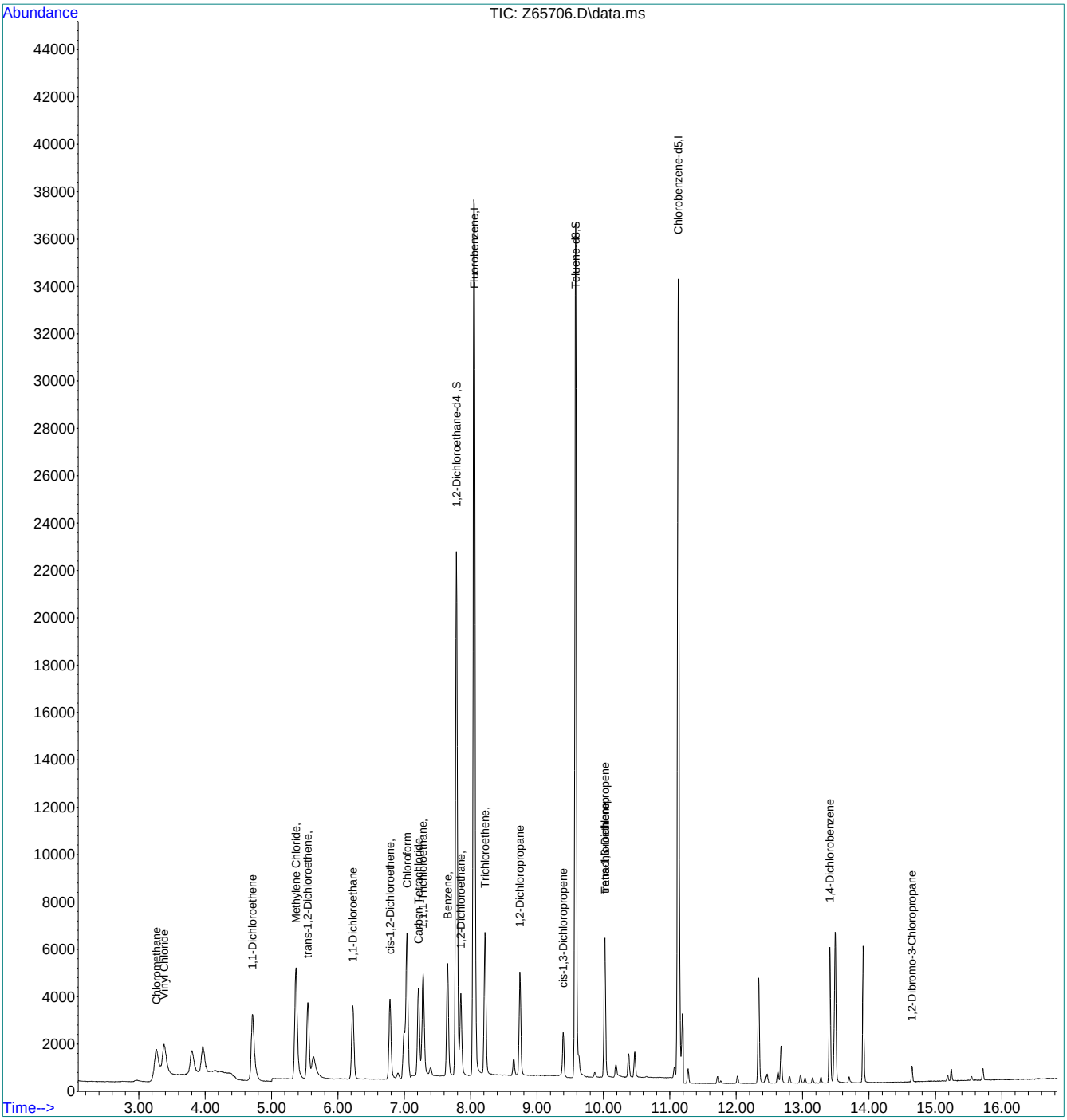
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.054	96	45132	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	33154	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	21670	6.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 139.60%#				
19) Toluene-d8	9.582	98	36327	5.25	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	4065	0.52	ug/L		91
3) Chloromethane	3.267	50	4626	0.60	ug/L		96
4) 1,1-Dichloroethene	4.713	61	3623	0.60	ug/L		97
5) Methylene Chloride	5.369	49	4486	0.53	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	3200	0.56	ug/L		84
7) 1,1-Dichloroethane	6.226	63	4297	0.59	ug/L		98
8) cis-1,2-Dichloroethene	6.786	96	2237	0.49	ug/L	#	72
9) Chloroform	7.039	83	6357m	0.58	ug/L		
10) Carbon Tetrachloride	7.213	117	3046m	0.57	ug/L		
11) 1,1,1-Trichloroethane	7.281	97	4166	0.63	ug/L		89
12) Benzene	7.655	78	8033	0.50	ug/L		79
14) 1,2-Dichloroethane	7.851	62	3338	0.61	ug/L		87
15) Trichloroethene	8.214	95	2312	0.51	ug/L		94
16) 1,2-Dichloropropane	8.742	63	2204	0.59	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	1609	0.33	ug/L	#	70
20) trans-1,3-Dichloropropene	10.022	75	1009	0.26	ug/L	#	73
21) Tetrachloroethene	10.022	166	2213	0.55	ug/L	#	94
22) 1,4-Dichlorobenzene	13.410	146	3588	0.42	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	283m	0.54	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration



Manual Integration Approval Summary

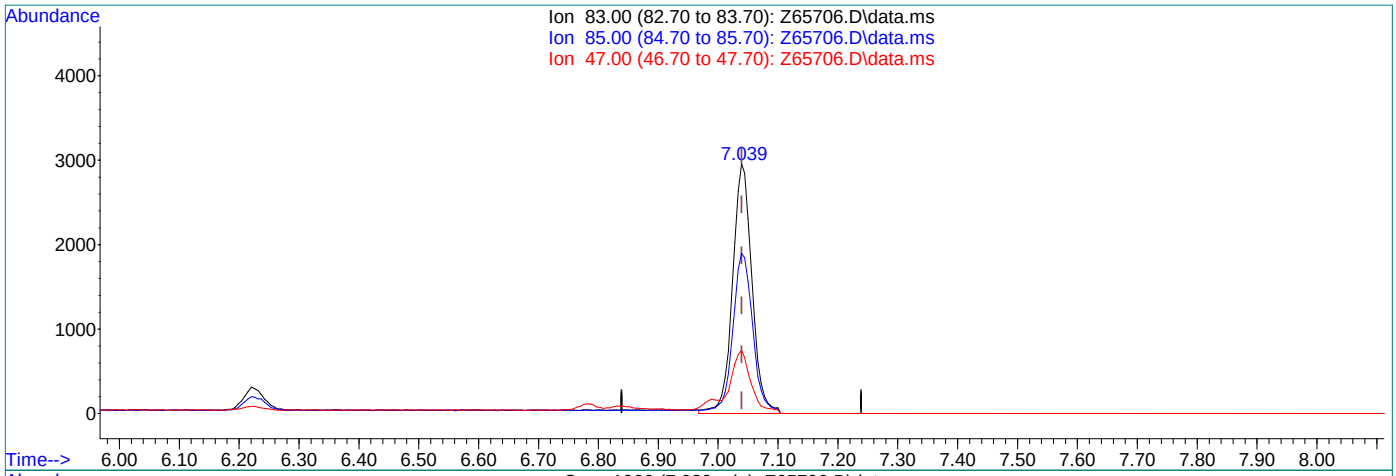
Sample Number: VZ2584-IC2584
Lab FileID: Z65706.D
Injection Time: 09/02/21 15:08
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

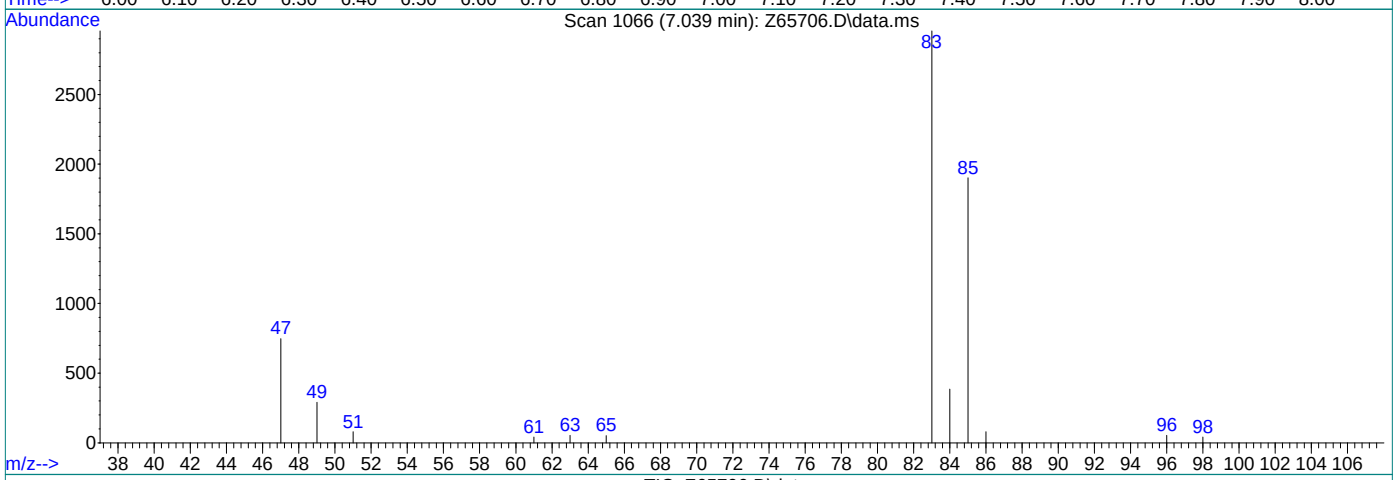
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.61ug/L

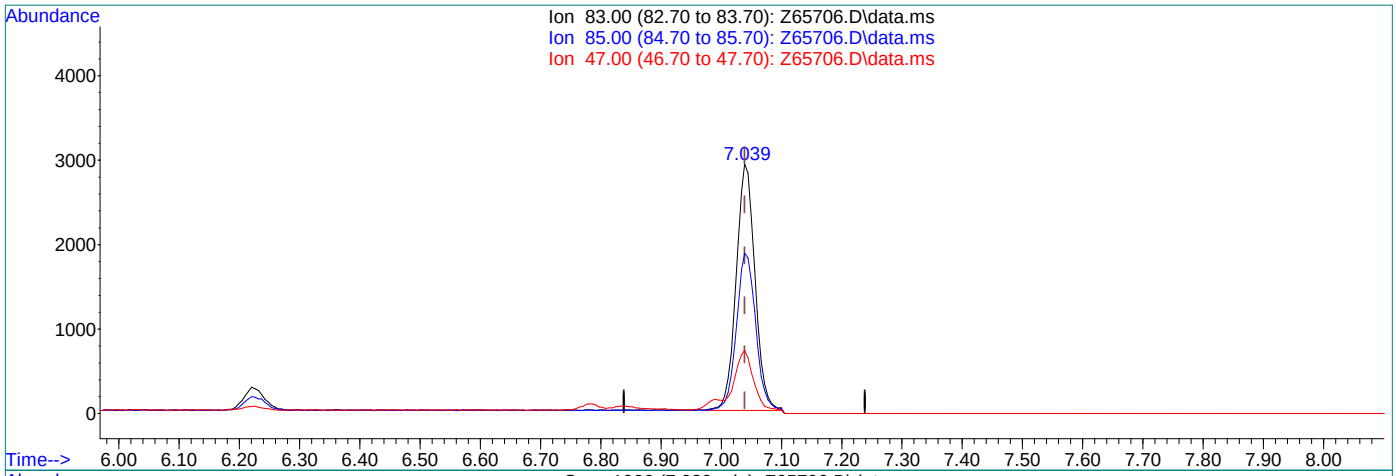
response 6726

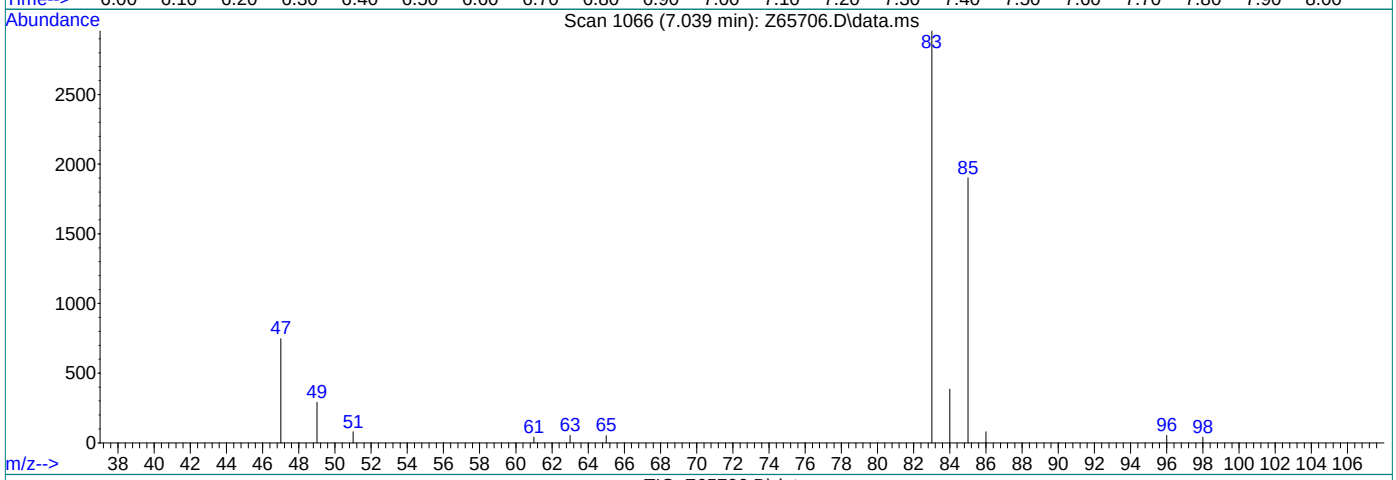
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.58ug/L m

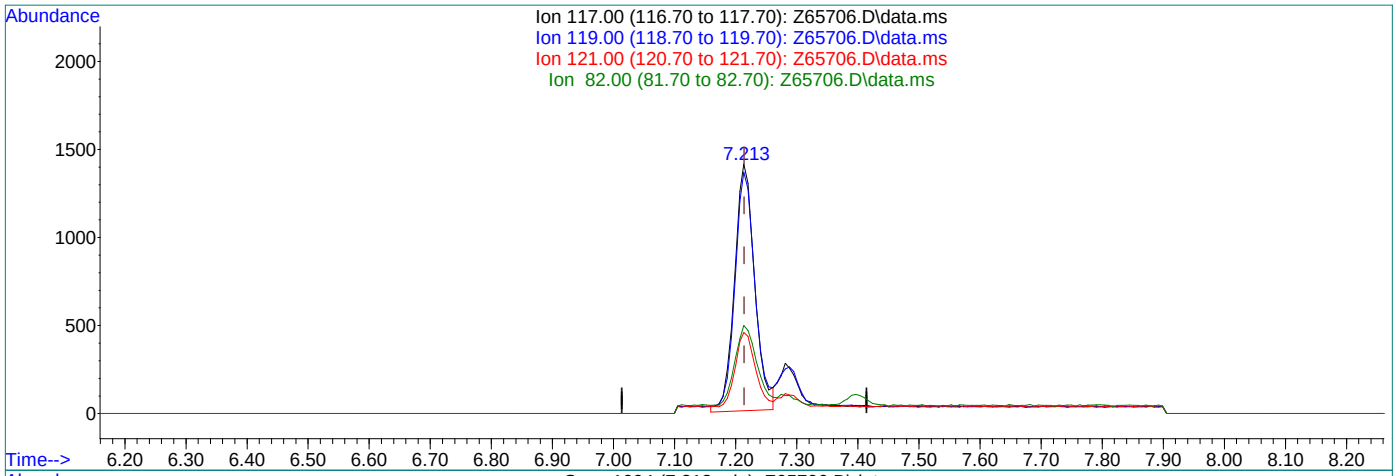
response 6357

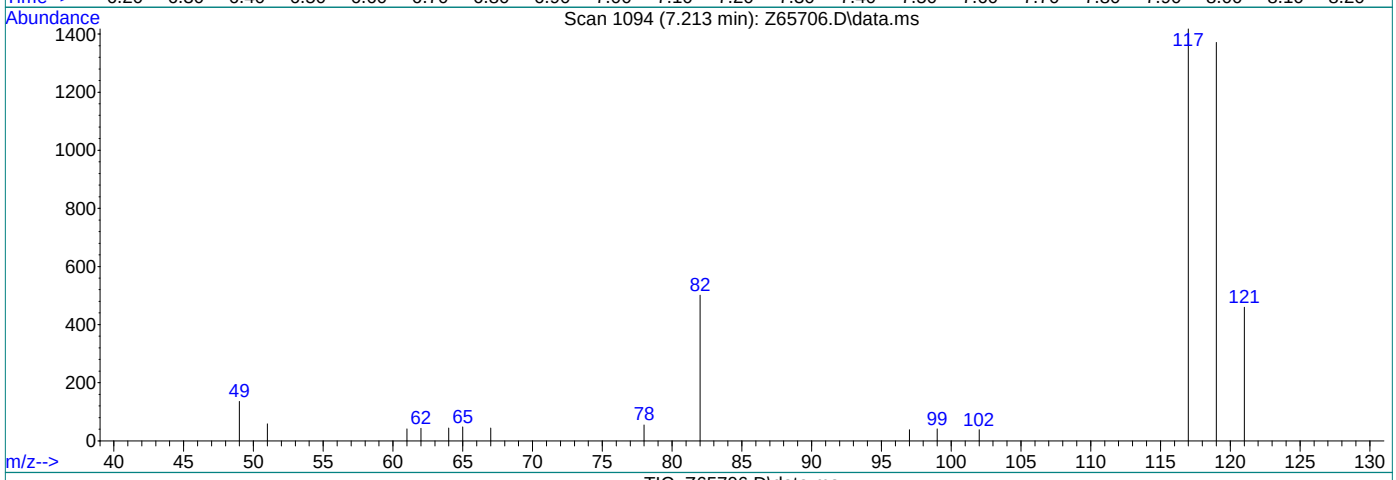
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.61ug/L

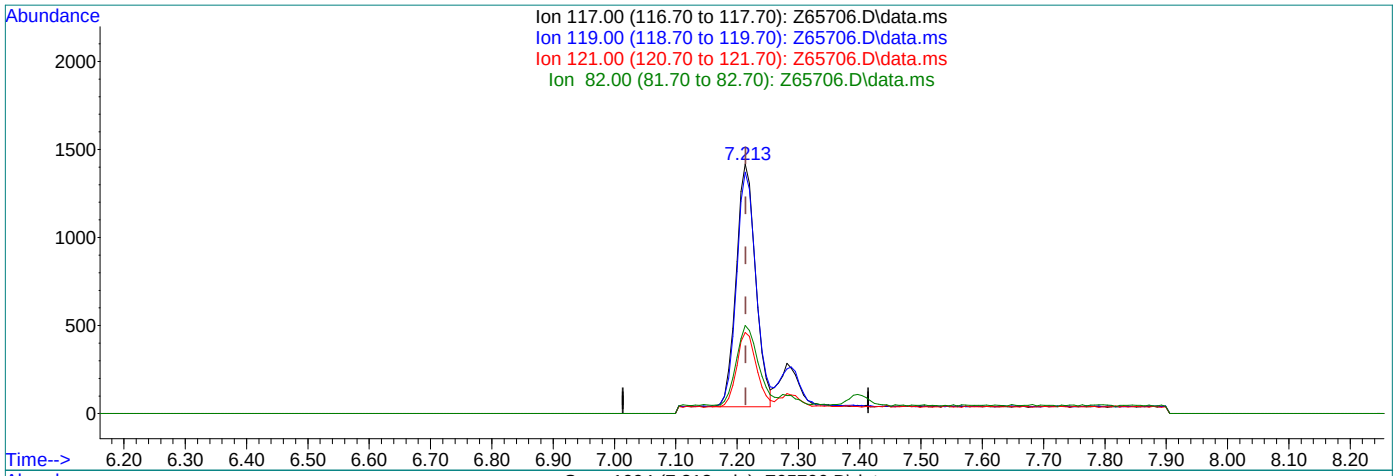
response 3226

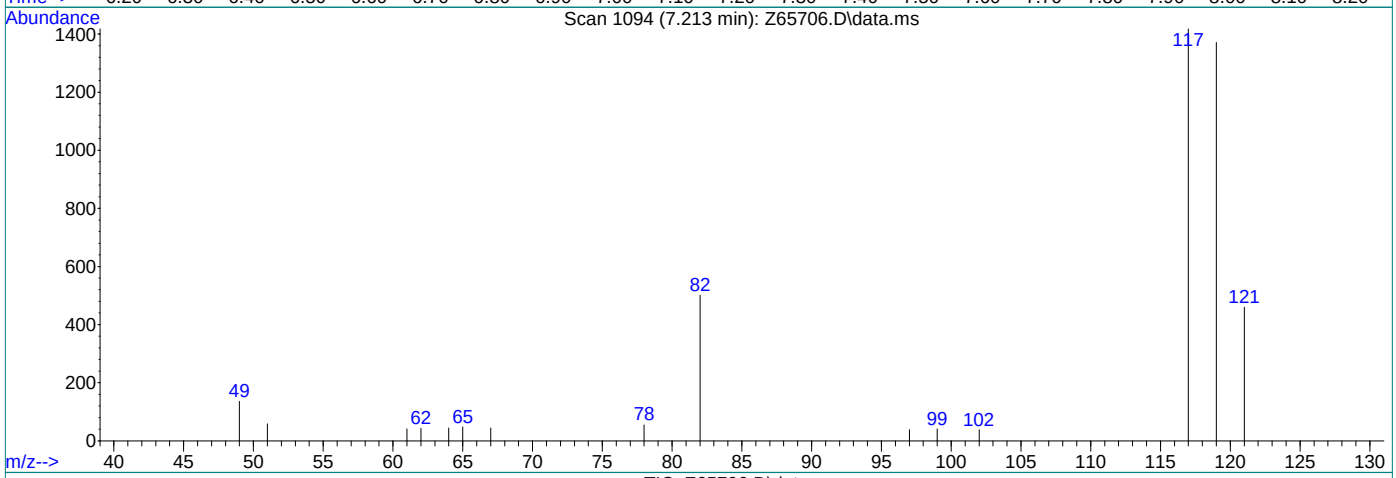
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.37
121.00	31.60	30.65
82.00	24.20	33.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.57ug/L m

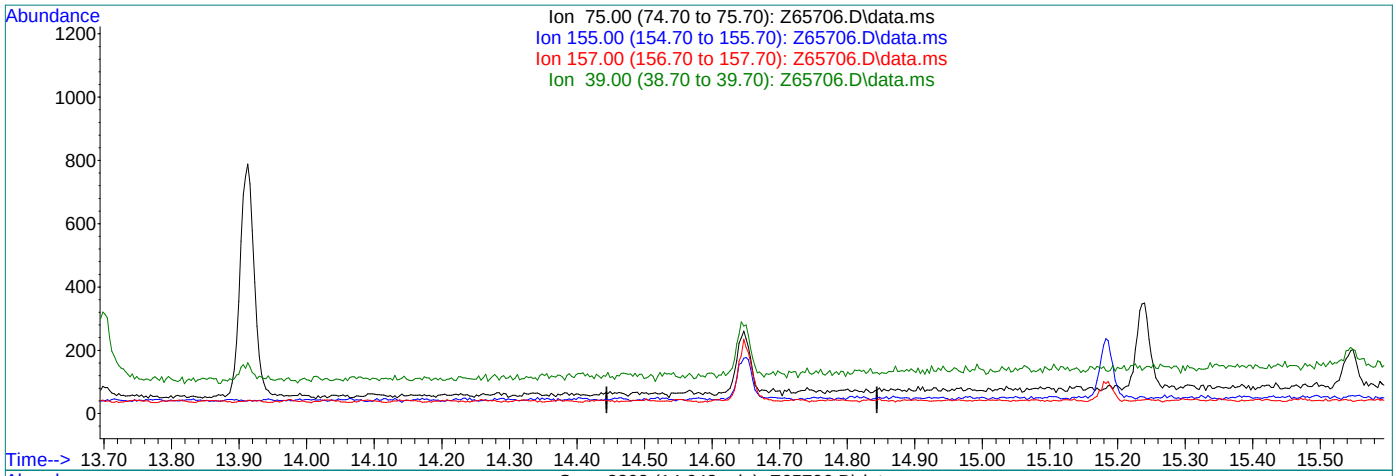
response 3046

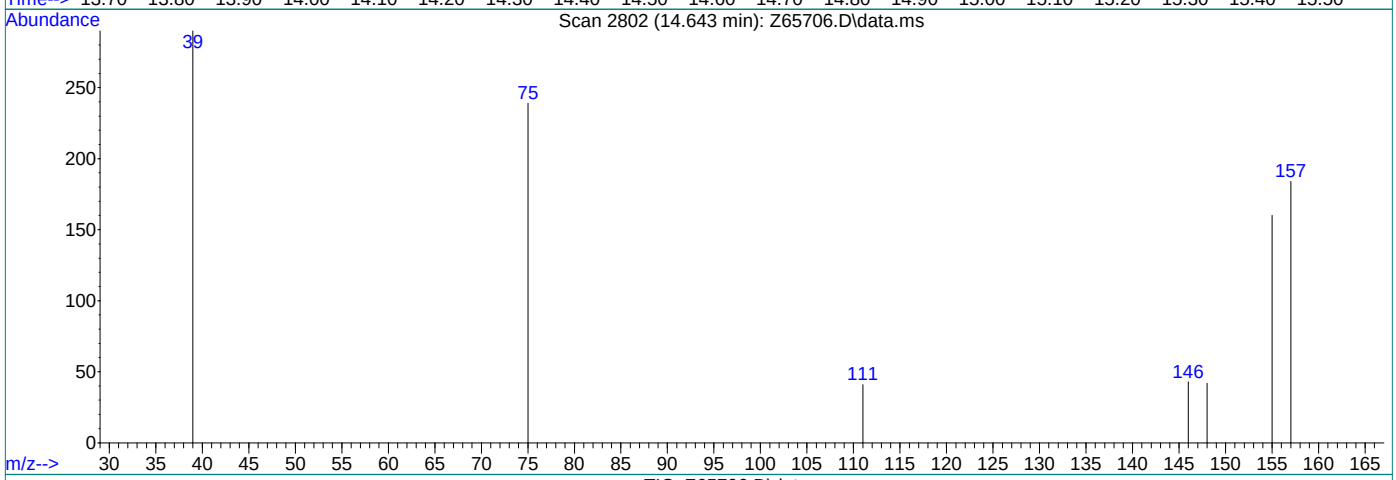
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.69
121.00	31.60	32.44
82.00	24.20	35.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

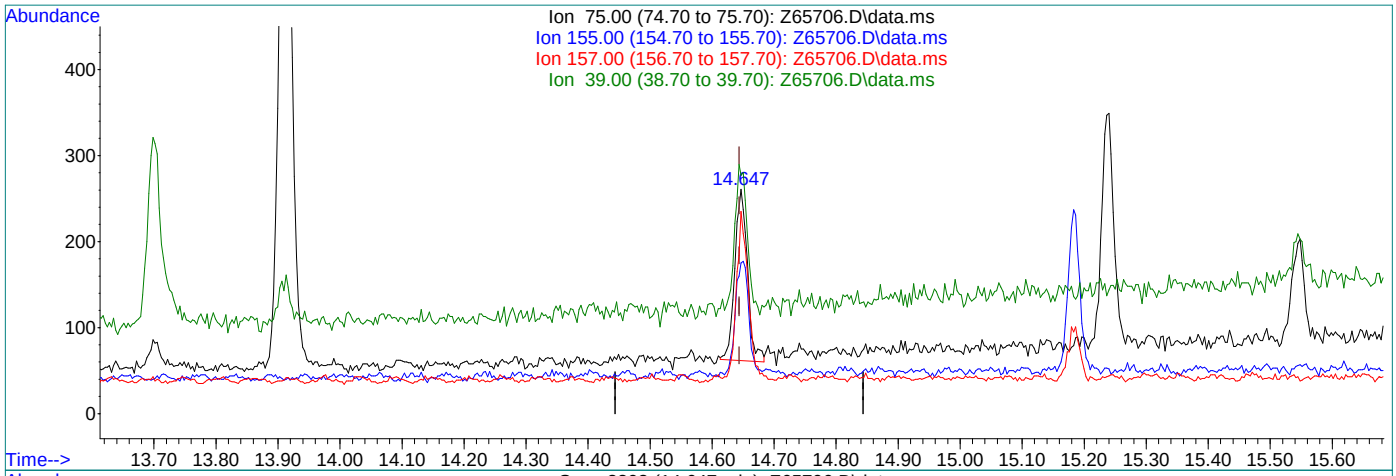
response 0

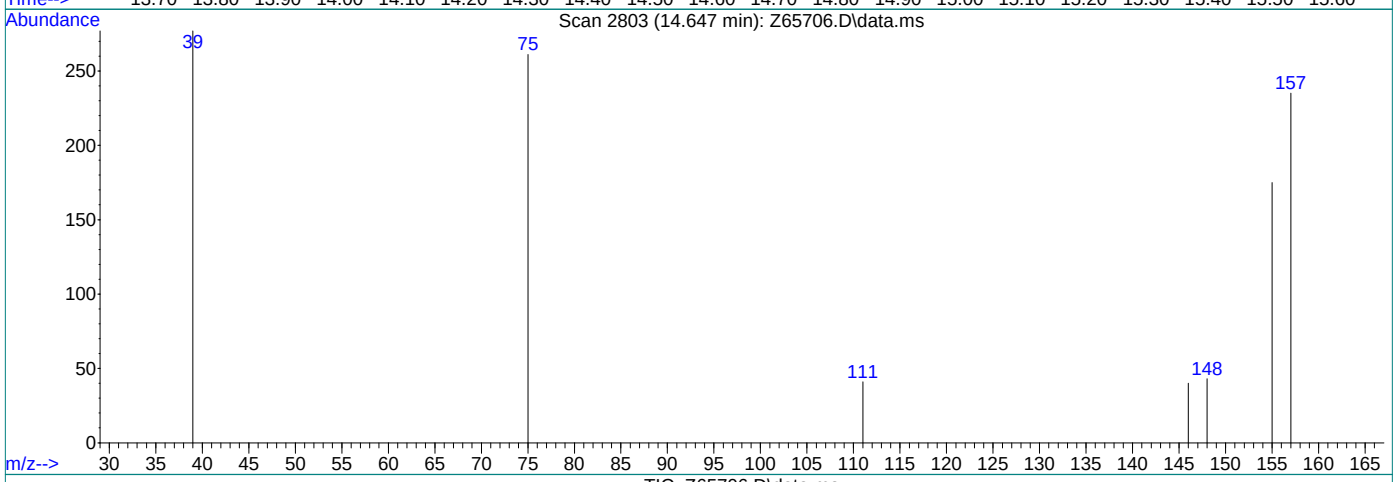
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.54ug/L m

response 283

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	67.05
157.00	81.90	90.04
39.00	23.90	106.13#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration

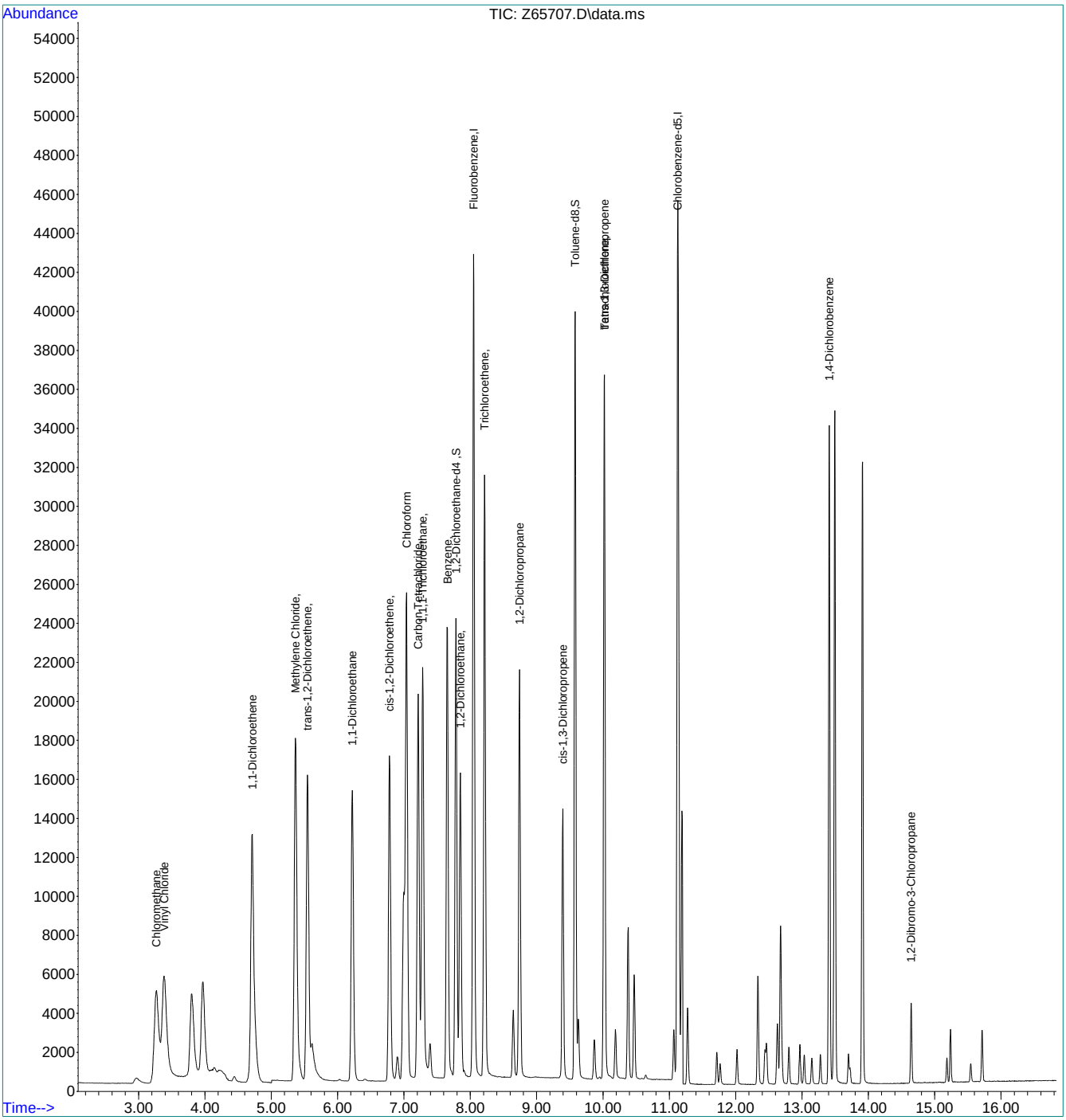
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	50381	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38930	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22321	6.10	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 122.00%				
19) Toluene-d8	9.582	98	40046	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	17156	1.99	ug/L		93
3) Chloromethane	3.267	50	16867	1.90	ug/L		98
4) 1,1-Dichloroethene	4.713	61	16954	2.41	ug/L		97
5) Methylene Chloride	5.364	49	17221	1.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	15432	2.36	ug/L		79
7) 1,1-Dichloroethane	6.221	63	20760	2.46	ug/L		96
8) cis-1,2-Dichloroethene	6.781	96	10883	2.09	ug/L	#	75
9) Chloroform	7.039	83	26408	2.07	ug/L		87
10) Carbon Tetrachloride	7.213	117	16572	2.71	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	19885	2.59	ug/L		88
12) Benzene	7.655	78	39754	2.20	ug/L		79
14) 1,2-Dichloroethane	7.851	62	16319	2.58	ug/L		85
15) Trichloroethene	8.214	95	11489	2.24	ug/L		93
16) 1,2-Dichloropropane	8.742	63	10585	2.45	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	11988	2.29	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	10692	2.42	ug/L	#	72
21) Tetrachloroethene	10.022	166	10667	2.21	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	20591	2.07	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	1577	2.46	ug/L	#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration

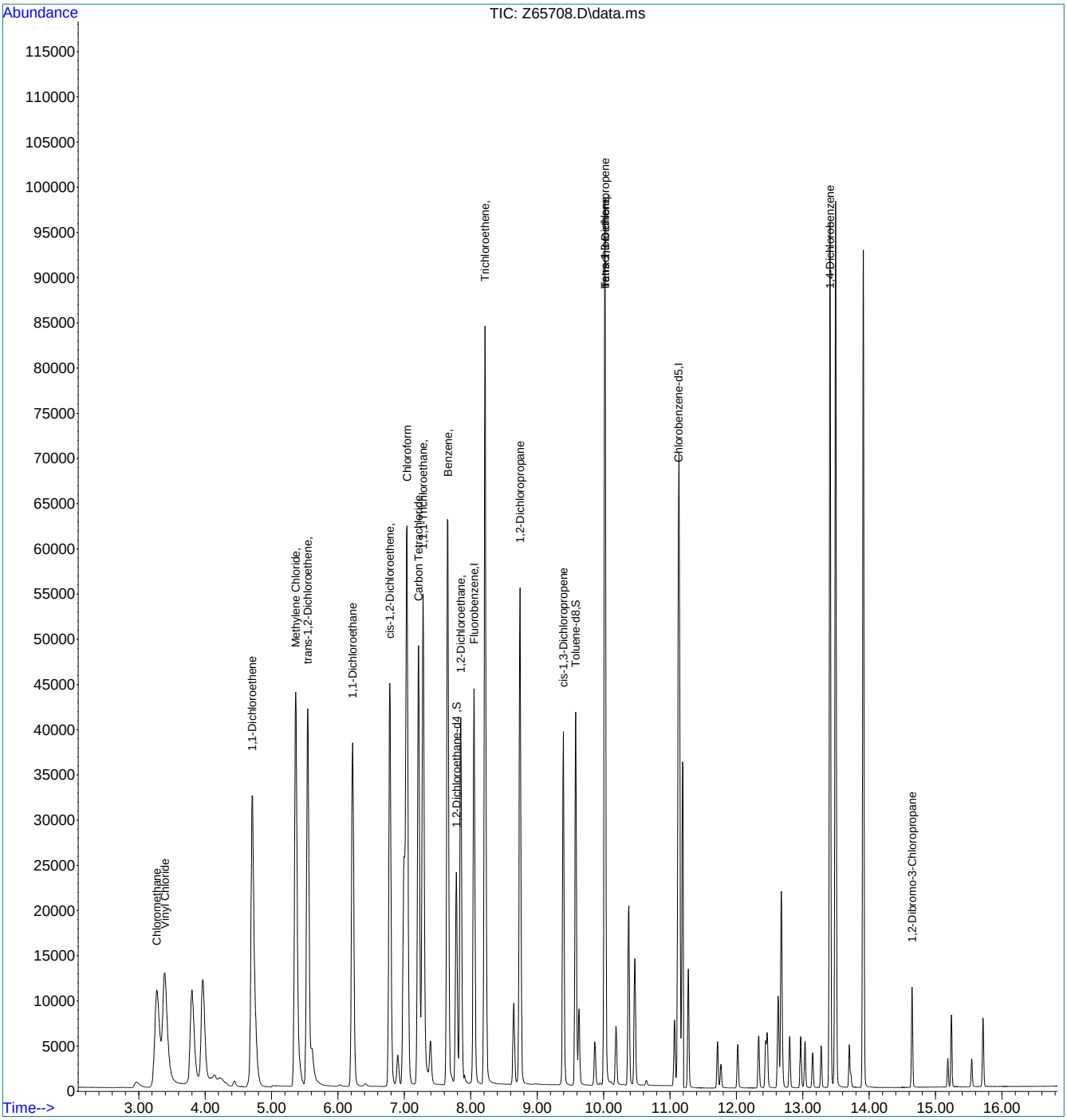
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	51649	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	41795	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	21781	5.57	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.40%				
19) Toluene-d8	9.582	98	41673	4.78	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.393	62	41567	4.75	ug/L		96
3) Chloromethane	3.272	50	39806	4.32	ug/L		97
4) 1,1-Dichloroethene	4.708	61	43739	5.86	ug/L		96
5) Methylene Chloride	5.364	49	42084	4.43	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	40384	5.83	ug/L		78
7) 1,1-Dichloroethane	6.221	63	52770	5.89	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	28693	5.35	ug/L	#	75
9) Chloroform	7.039	83	65470	4.86	ug/L		87
10) Carbon Tetrachloride	7.213	117	40745	6.17	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	50483	6.14	ug/L		88
12) Benzene	7.655	78	106631	5.68	ug/L		77
14) 1,2-Dichloroethane	7.851	62	41453	6.13	ug/L		85
15) Trichloroethene	8.214	95	30443	5.71	ug/L		94
16) 1,2-Dichloropropane	8.742	63	27703	6.06	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	32904	6.00	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	30131m	6.16	ug/L		
21) Tetrachloroethene	10.022	166	27781	5.32	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	57646	5.36	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4200	5.78	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration



Manual Integration Approval Summary

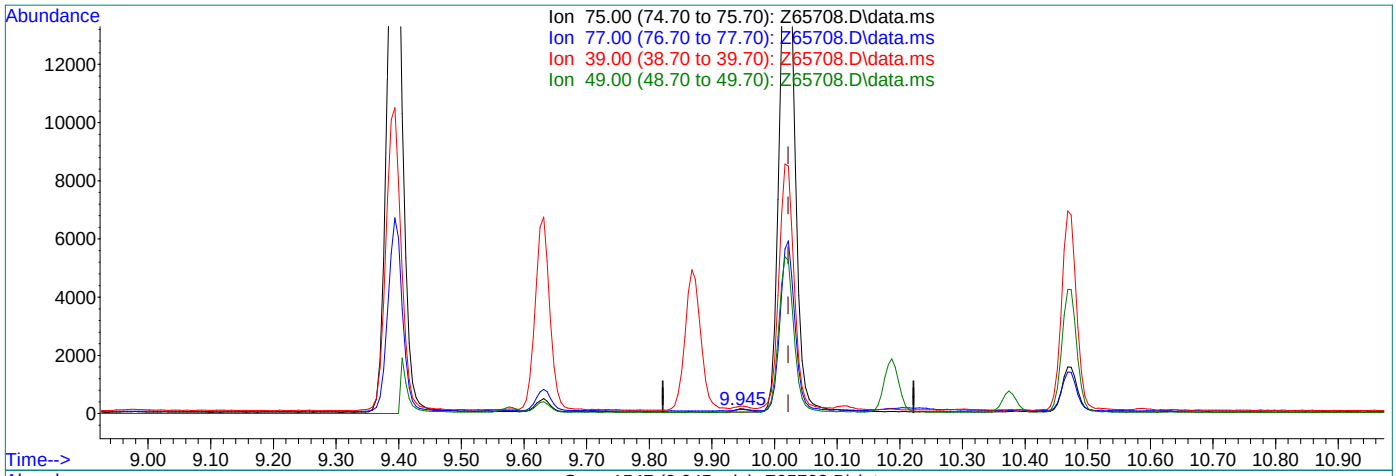
Sample Number: VZ2584-IC2584
Lab FileID: Z65708.D
Injection Time: 09/02/21 15:49
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

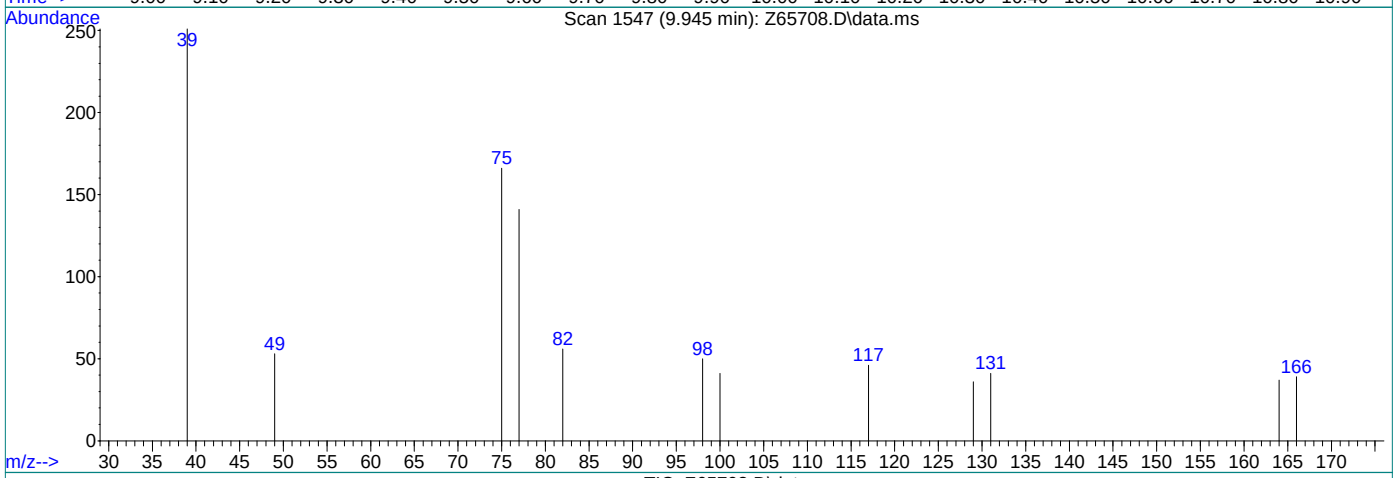
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.03ug/L

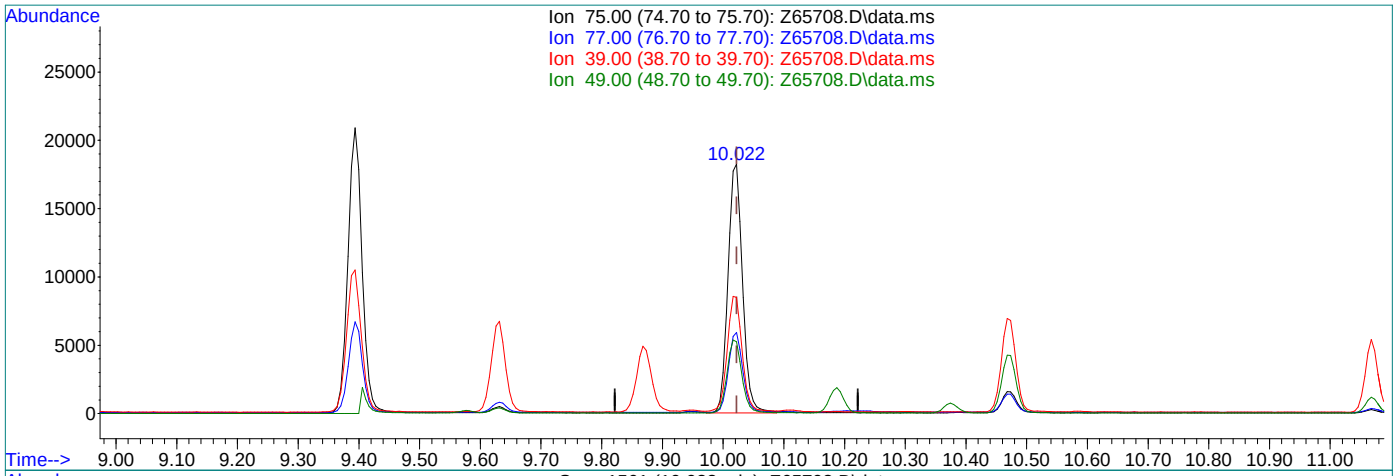
response 165

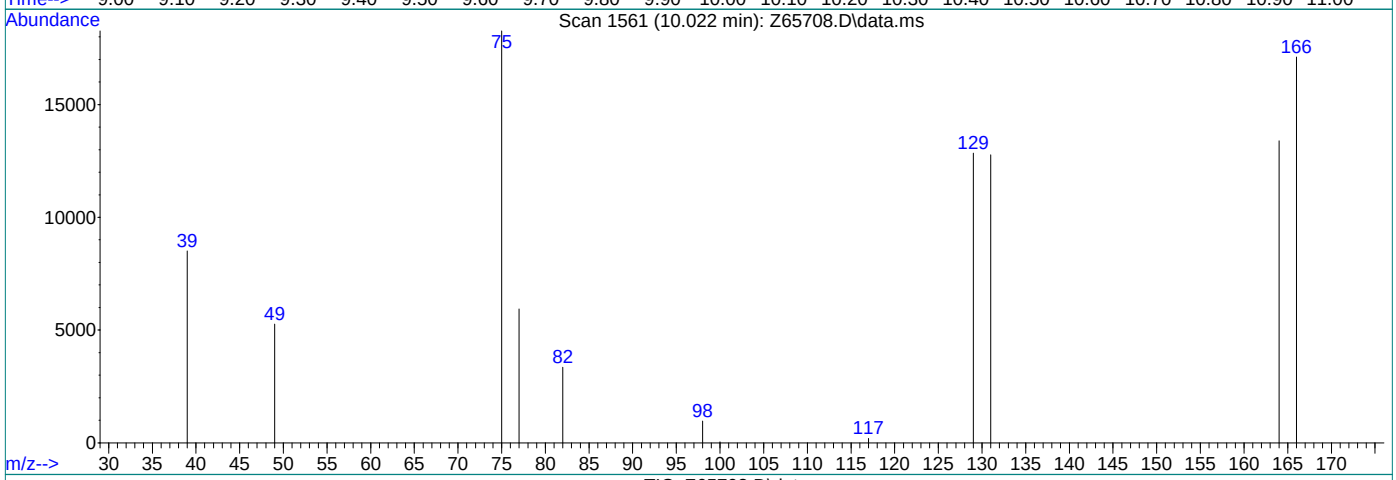
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	45.87
39.00	84.50	64.22
49.00	23.10	4.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 6.16ug/L m

response 30131

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.47
39.00	84.50	46.55#
49.00	23.10	28.79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration

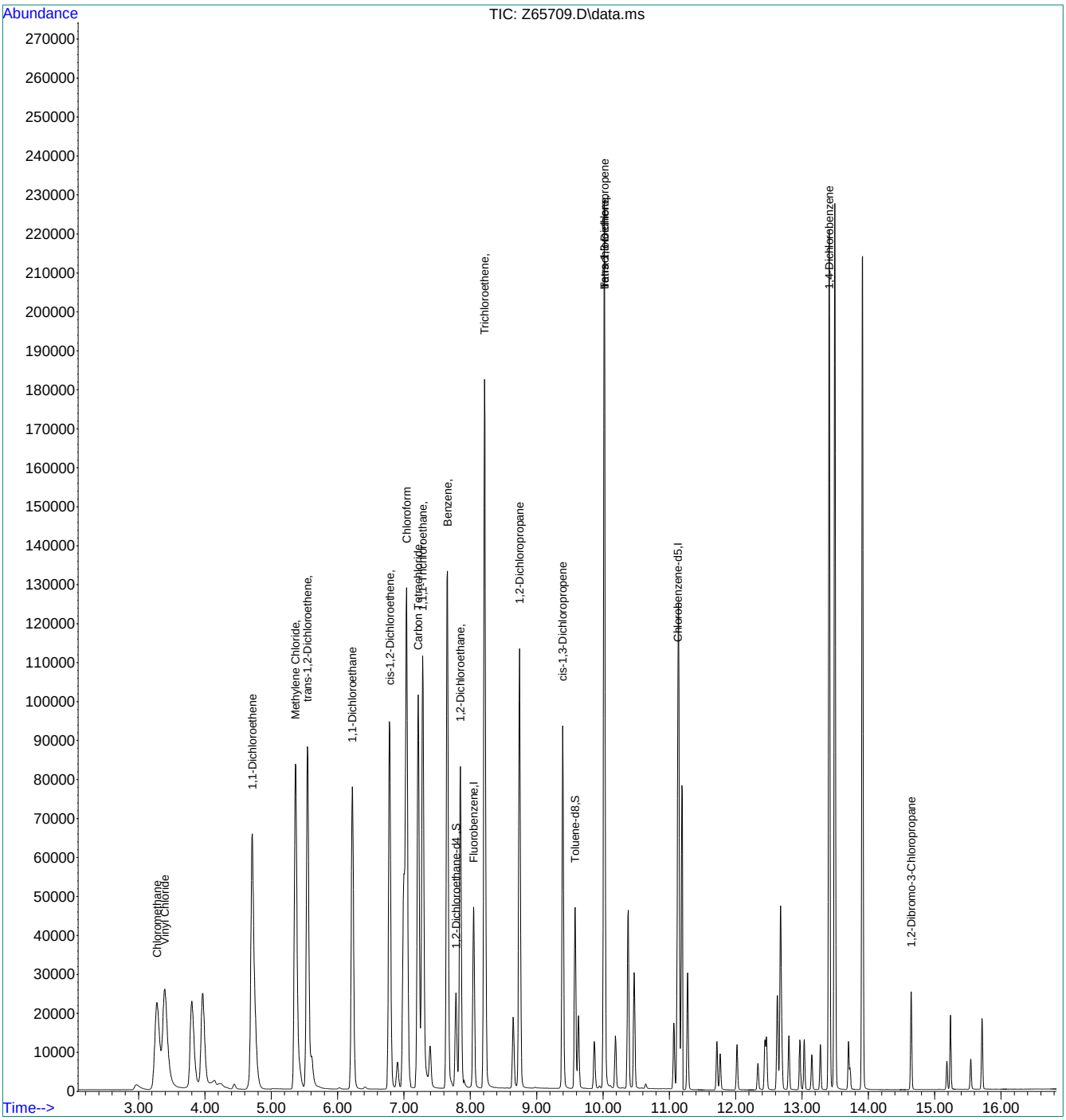
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	55195	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.129	117	48252	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	22582	5.21	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%				
19) Toluene-d8	9.582	98	47291	4.72	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.393	62	87147	9.45	ug/L		96
3) Chloromethane	3.276	50	81950	8.21	ug/L		99
4) 1,1-Dichloroethene	4.713	61	92518	11.17	ug/L		97
5) Methylene Chloride	5.364	49	83728	8.07	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	85573	11.18	ug/L		81
7) 1,1-Dichloroethane	6.220	63	107770	10.87	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	60298	10.43	ug/L	#	72
9) Chloroform	7.039	83	131571	8.88	ug/L		87
10) Carbon Tetrachloride	7.213	117	85778	11.59	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	103685	11.29	ug/L		88
12) Benzene	7.655	78	224591	10.94	ug/L		78
14) 1,2-Dichloroethane	7.851	62	83812	11.13	ug/L		85
15) Trichloroethene	8.214	95	64672	11.09	ug/L		95
16) 1,2-Dichloropropane	8.742	63	57120	11.25	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	78434	13.06	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	74120	12.76	ug/L	#	72
21) Tetrachloroethene	10.022	166	62347	10.21	ug/L	#	93
22) 1,4-Dichlorobenzene	13.411	146	130489	10.47	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9365	10.71	ug/L	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration

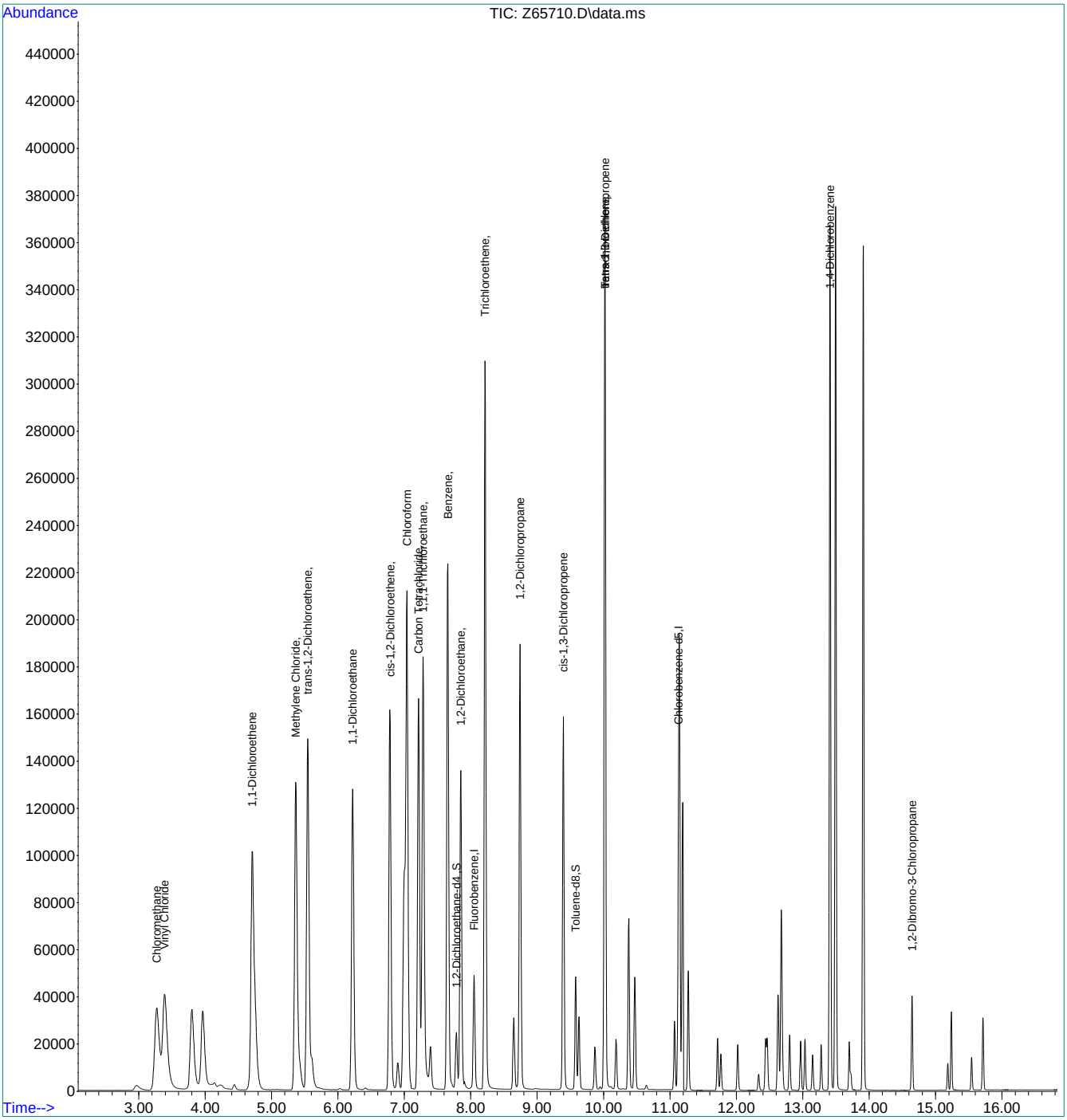
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57390	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	47769	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22673	4.87	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.40%				
19) Toluene-d8	9.582	98	47981	4.85	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	133937	13.98	ug/L		96
3) Chloromethane	3.272	50	127115	12.02	ug/L		99
4) 1,1-Dichloroethene	4.709	61	150476	16.82	ug/L		97
5) Methylene Chloride	5.364	49	131443	11.80	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	143177	17.31	ug/L		79
7) 1,1-Dichloroethane	6.221	63	176336	16.46	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	103793	16.95	ug/L	#	71
9) Chloroform	7.039	83	216866	13.64	ug/L		87
10) Carbon Tetrachloride	7.214	117	140667	17.42	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	172786	17.31	ug/L		87
12) Benzene	7.655	78	378779	17.25	ug/L		77
14) 1,2-Dichloroethane	7.852	62	136164	16.57	ug/L		85
15) Trichloroethene	8.214	95	109876	17.59	ug/L		94
16) 1,2-Dichloropropane	8.742	63	96080	17.39	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	132596	20.10	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	122935	20.36	ug/L	#	72
21) Tetrachloroethene	10.022	166	100210	16.24	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	215259	17.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	15048	16.45	ug/L	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration



Z65711.D

Manual Integrations APPROVED (compounds with "m" flag)

Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	62571	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	51778	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	24017	4.59	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.80%				
19) Toluene-d8	9.576	98	51975	4.86	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.393	62	187104	18.13	ug/L		95
3) Chloromethane	3.276	50	173024	14.83	ug/L		99
4) 1,1-Dichloroethene	4.708	61	215243	21.59	ug/L		98
5) Methylene Chloride	5.364	49	182569	14.76	ug/L	#	59
6) trans-1,2-Dichloroethene	5.539	61	199142	21.53	ug/L		83
7) 1,1-Dichloroethane	6.221	63	250302	20.90	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	150870	22.45	ug/L	#	74
9) Chloroform	7.039	83	307530	17.34	ug/L		86
10) Carbon Tetrachloride	7.213	117	201143	22.01	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	247681	21.97	ug/L		87
12) Benzene	7.648	78	546773	22.44	ug/L		80
14) 1,2-Dichloroethane	7.851	62	193807	20.89	ug/L		85
15) Trichloroethene	8.214	95	159528	22.97	ug/L		92
16) 1,2-Dichloropropane	8.742	63	137940	22.12	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	195826	26.26	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	180580m	26.60	ug/L		
21) Tetrachloroethene	10.022	166	145912	21.58	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	317300	23.27	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	21056	20.37	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

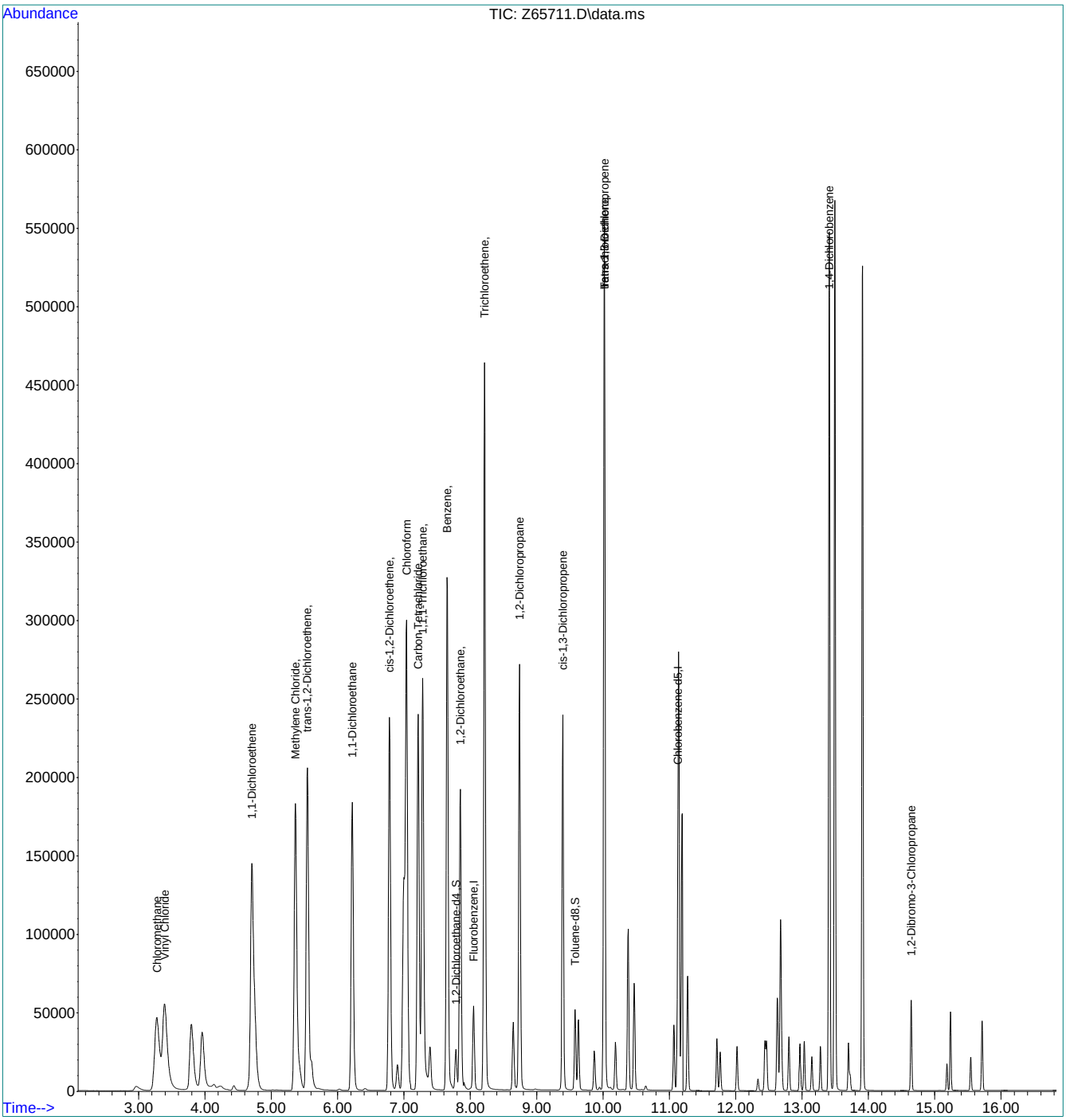
7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:56 2021 Page: 2

Manual Integration Approval Summary

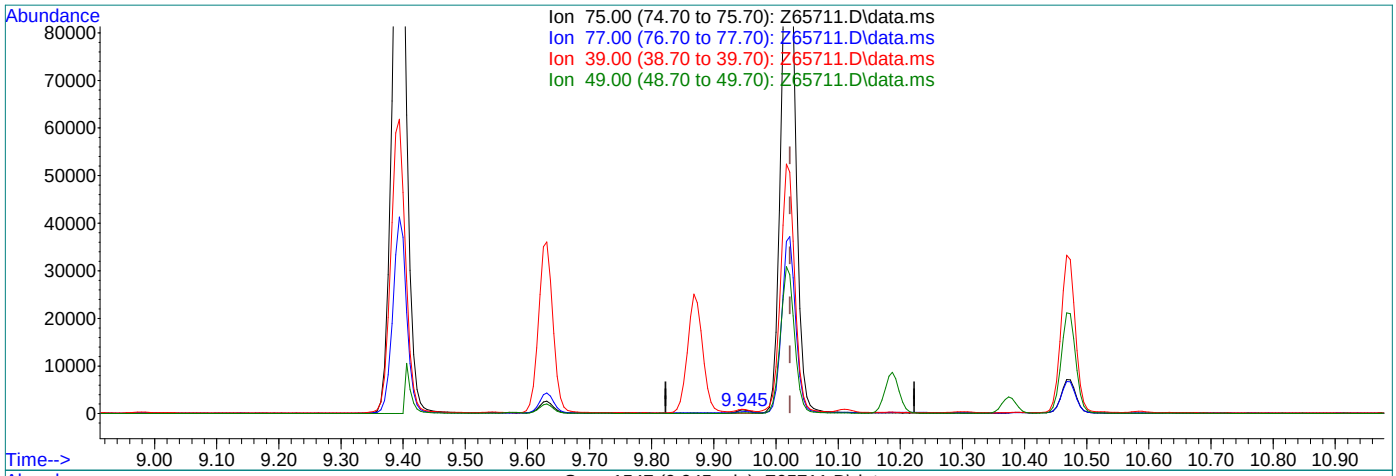
Sample Number:	VZ2584-IC2584	**Method:**	SW846 8260B BY SIM
Lab FileID:	Z65711.D	**Analyst approved:**	09/03/21 09:49 Charlene Gonzalez
Injection Time:	09/02/21 16:51	**Supervisor approved:**	09/03/21 14:35 Chelsea VanDenBurg

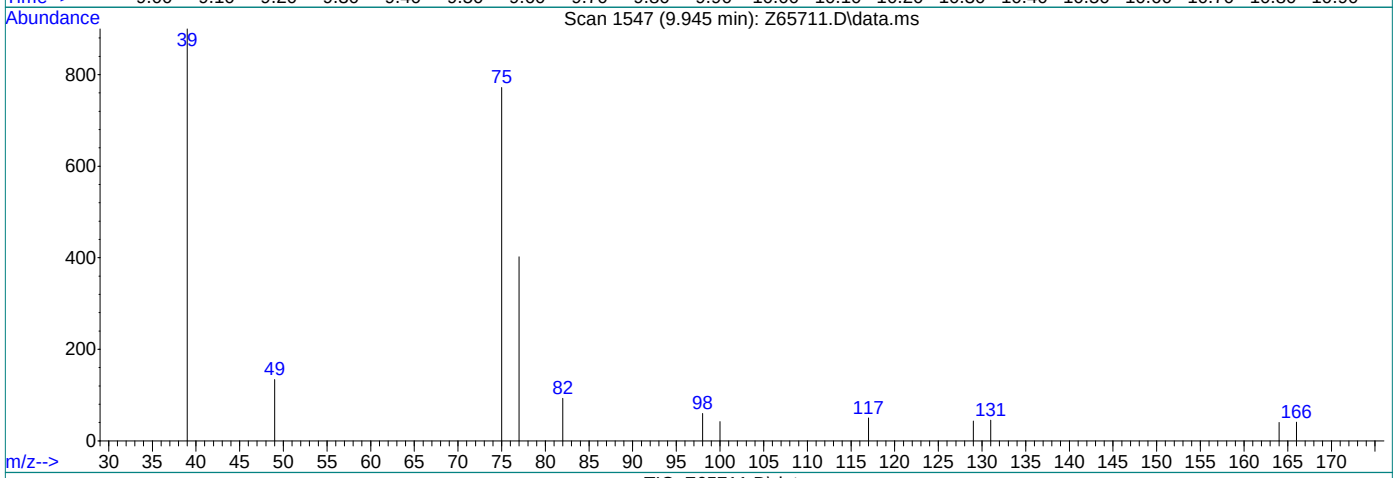
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.16ug/L

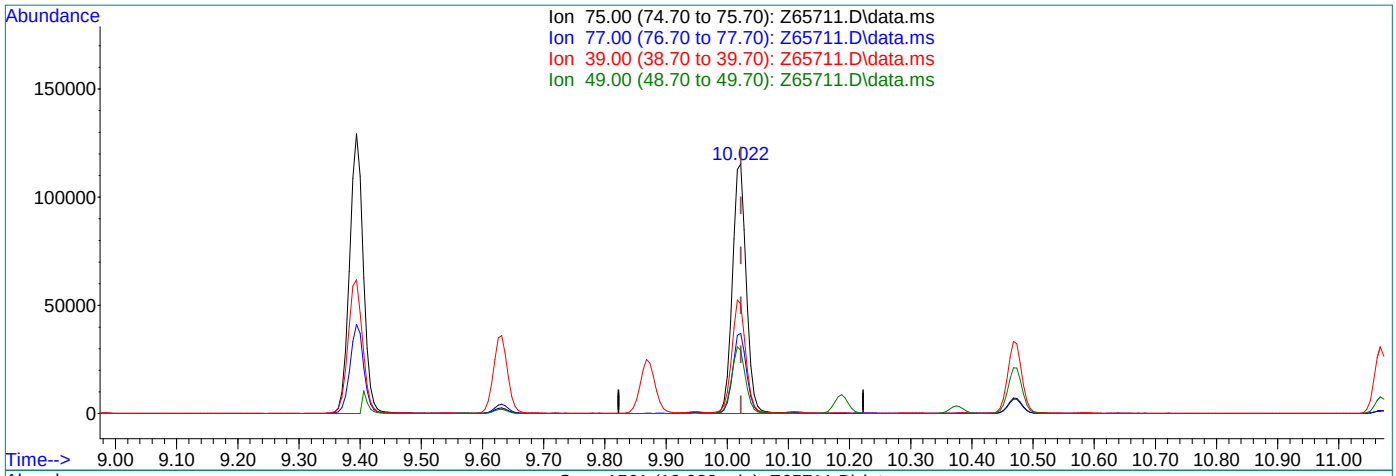
response 1119

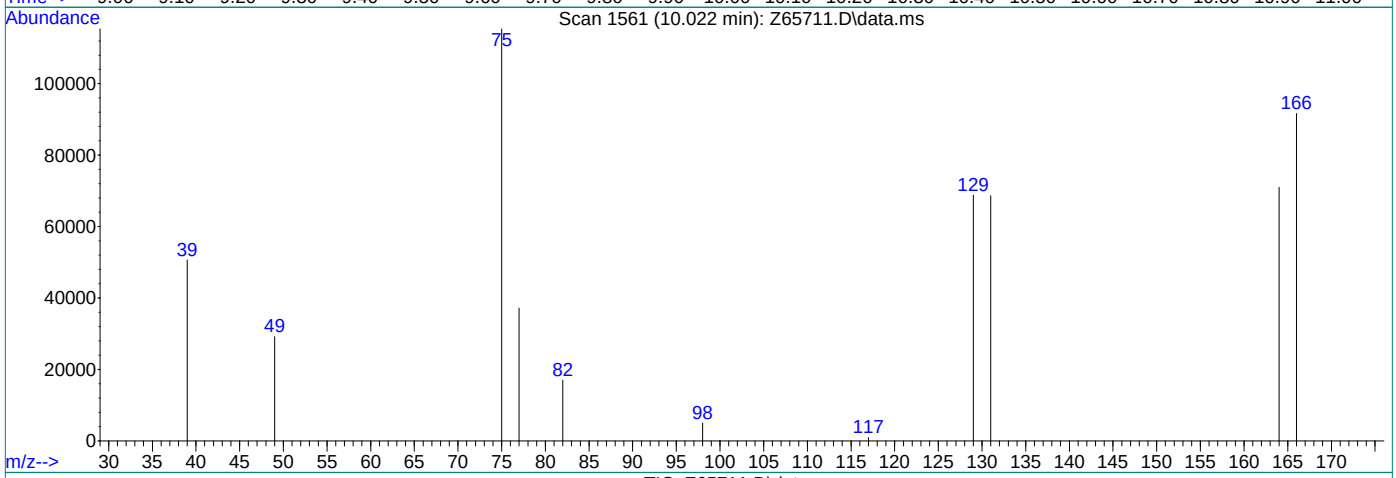
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	40.40
39.00	84.50	60.60
49.00	23.10	11.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (-0.000) 26.60ug/L m

response 180580

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.21
39.00	84.50	43.94#
49.00	23.10	25.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

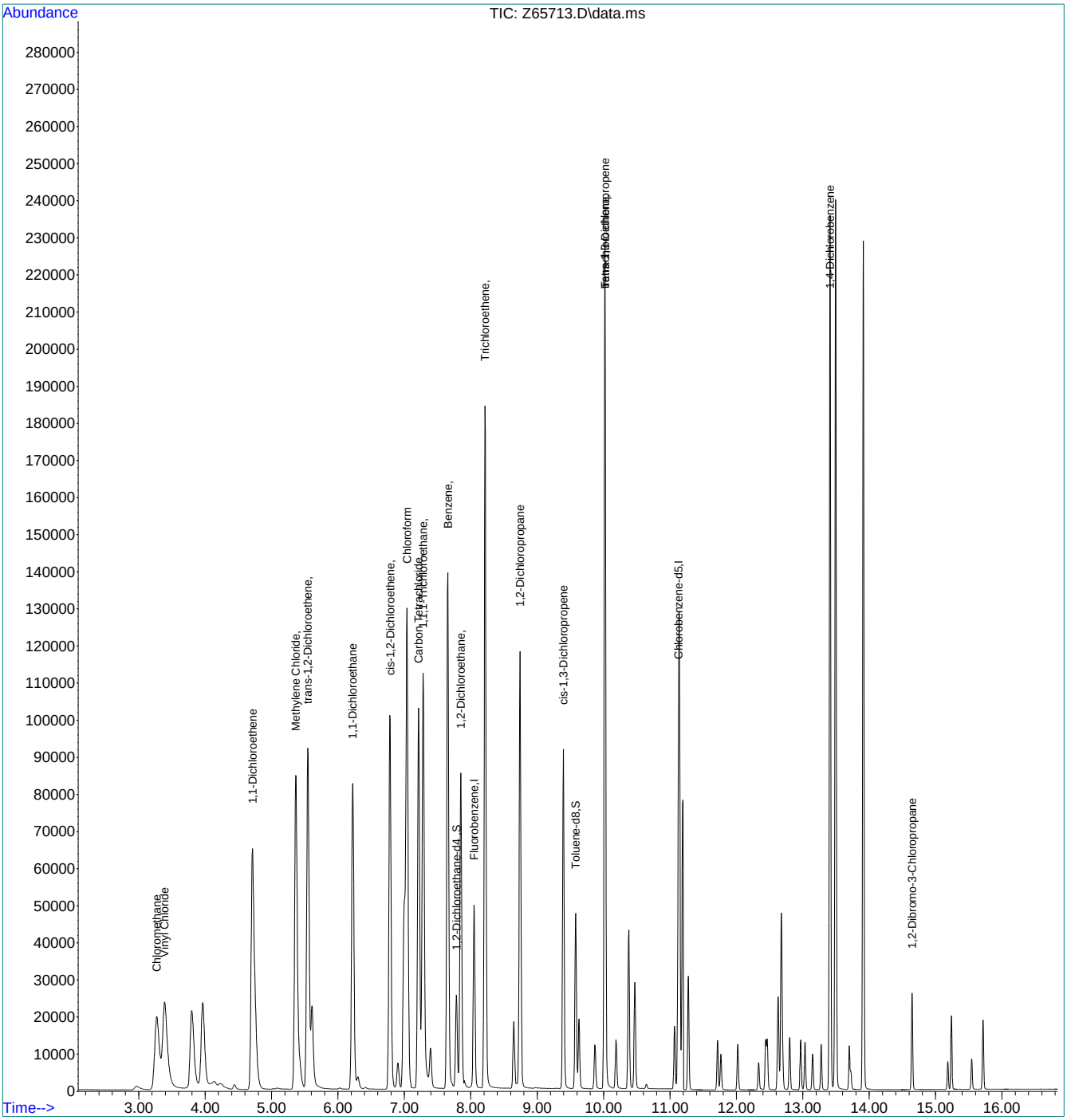
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	58471	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	49864	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	23498	4.68	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.60%			
19) Toluene-d8	9.582	98	47578	4.63	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	77995	8.11	ug/L	96
3) Chloromethane	3.272	50	71565	7.97	ug/L	99
4) 1,1-Dichloroethene	4.713	61	97316	10.11	ug/L	96
5) Methylene Chloride	5.364	49	84741	9.28	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	89226	10.00	ug/L	81
7) 1,1-Dichloroethane	6.221	63	115788	9.98	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	64106	9.96	ug/L #	72
9) Chloroform	7.039	83	134201	9.28	ug/L	87
10) Carbon Tetrachloride	7.213	117	87096	9.72	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	105445	9.55	ug/L	89
12) Benzene	7.655	78	232516	9.93	ug/L	78
14) 1,2-Dichloroethane	7.851	62	85793	9.49	ug/L	85
15) Trichloroethene	8.214	95	66641	9.97	ug/L	95
16) 1,2-Dichloropropane	8.742	63	59794	9.84	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	75760	9.17	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	76225	9.76	ug/L #	72
21) Tetrachloroethene	10.022	166	59587	8.94	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	139378	10.44	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9674	9.62	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

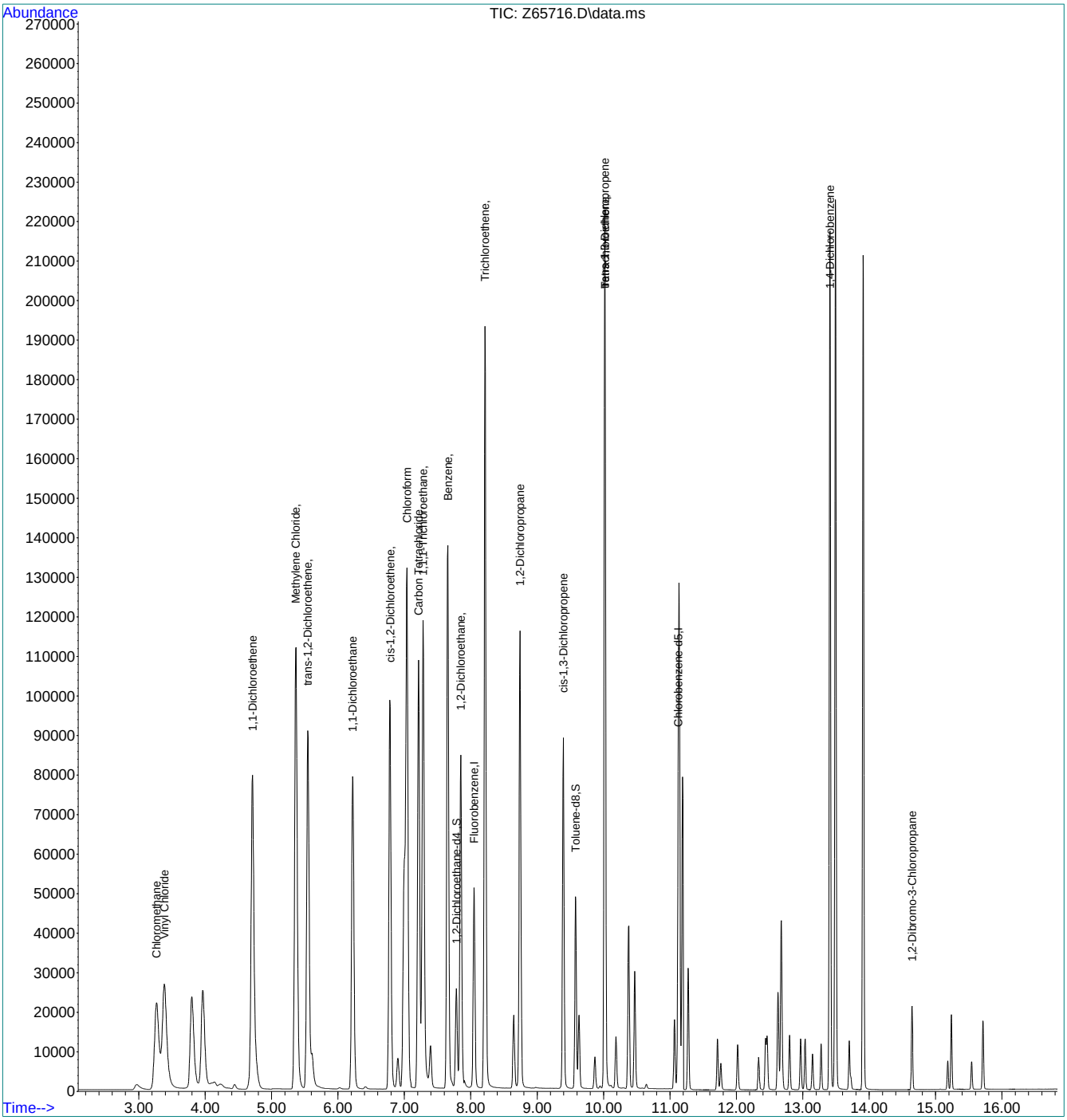
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	60582	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	49907	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	23716	4.56	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.20%				
19) Toluene-d8	9.577	98	49419	4.81	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	82227	8.25	ug/L		95
3) Chloromethane	3.267	50	76870	8.29	ug/L		99
4) 1,1-Dichloroethene	4.713	61	96337	9.66	ug/L		97
5) Methylene Chloride	5.364	49	104781	11.20	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	88507	9.58	ug/L		80
7) 1,1-Dichloroethane	6.220	63	111204	9.25	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	63448	9.52	ug/L	#	72
9) Chloroform	7.039	83	137434	9.17	ug/L		87
10) Carbon Tetrachloride	7.213	117	90473	9.74	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	110338	9.64	ug/L		88
12) Benzene	7.654	78	233885	9.64	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85343	9.11	ug/L		85
15) Trichloroethene	8.214	95	68431	9.88	ug/L		94
16) 1,2-Dichloropropane	8.742	63	59715	9.48	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75248	8.83	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	66672m	8.64	ug/L		
21) Tetrachloroethene	10.022	166	62878	9.43	ug/L	#	94
22) 1,4-Dichlorobenzene	13.411	146	130239	9.74	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	7910	7.88	ug/L	#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

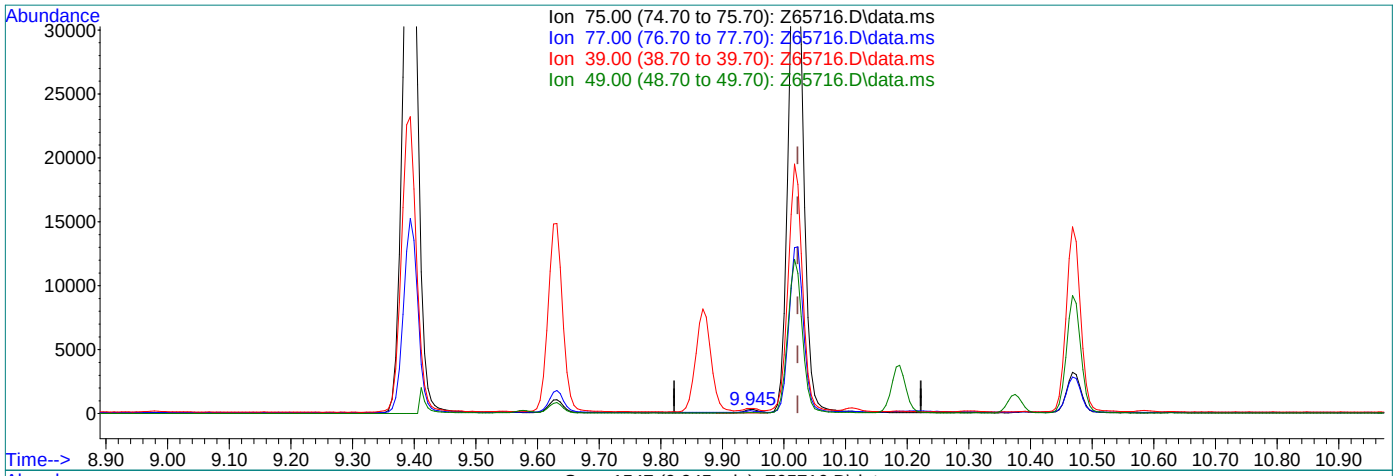
Sample Number: VZ2585-CC2584
Lab FileID: Z65716.D
Injection Time: 09/03/21 10:03
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

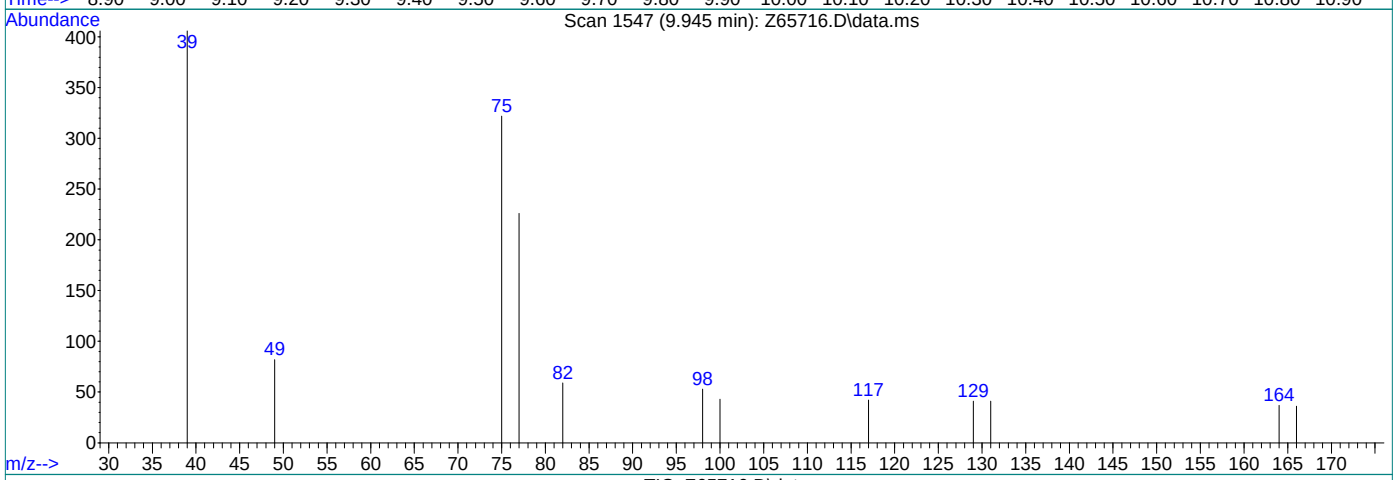
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.06ug/L

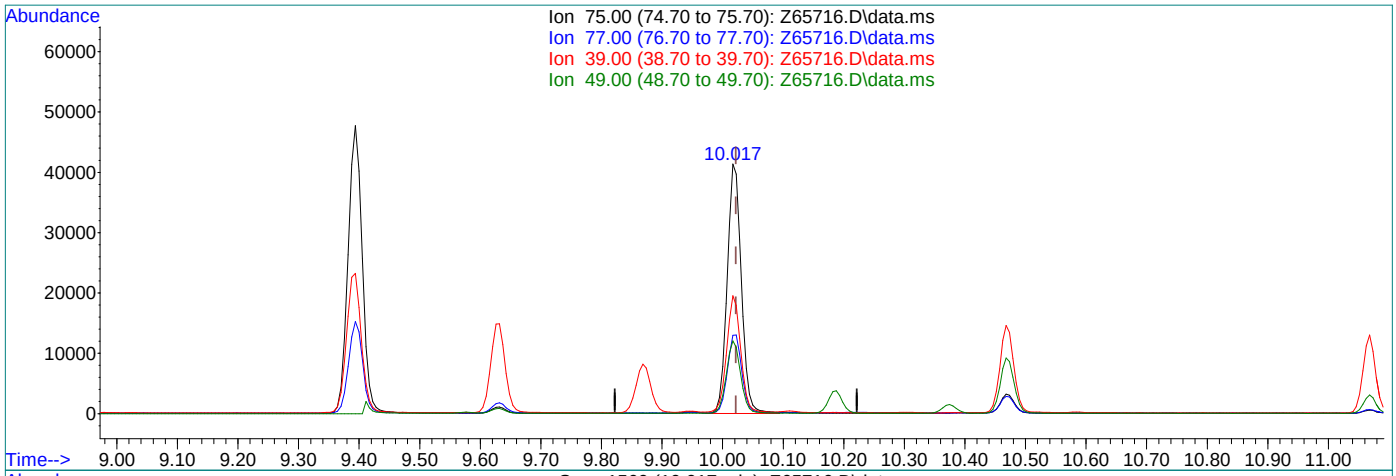
response 433

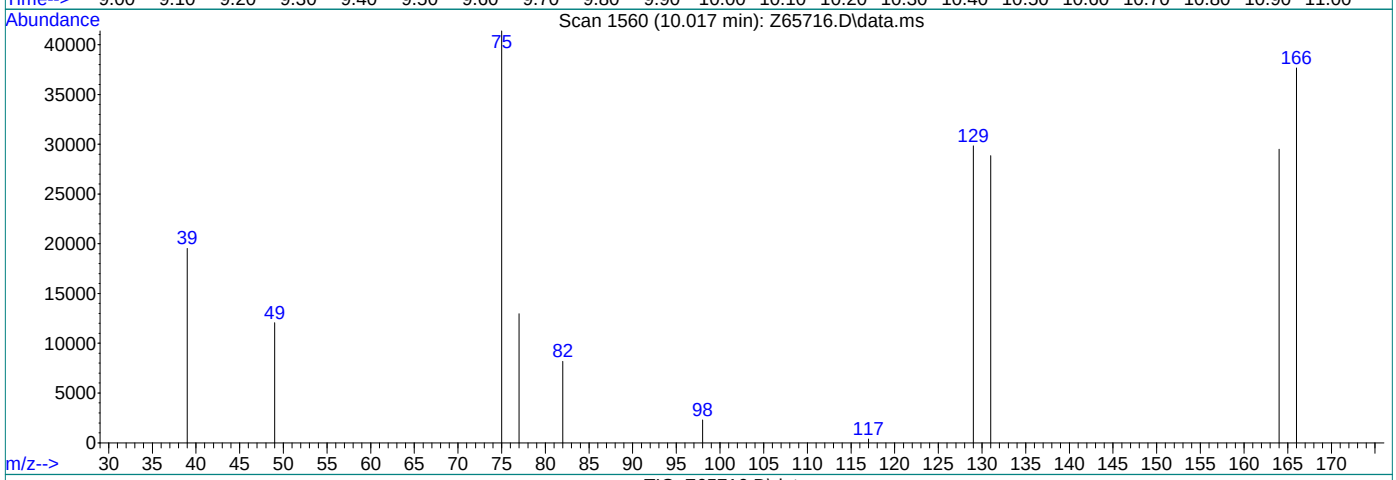
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	48.70
39.00	84.50	55.76
49.00	23.10	11.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 8.64ug/L m

response 66672

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.35
39.00	84.50	47.18#
49.00	23.10	29.17

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

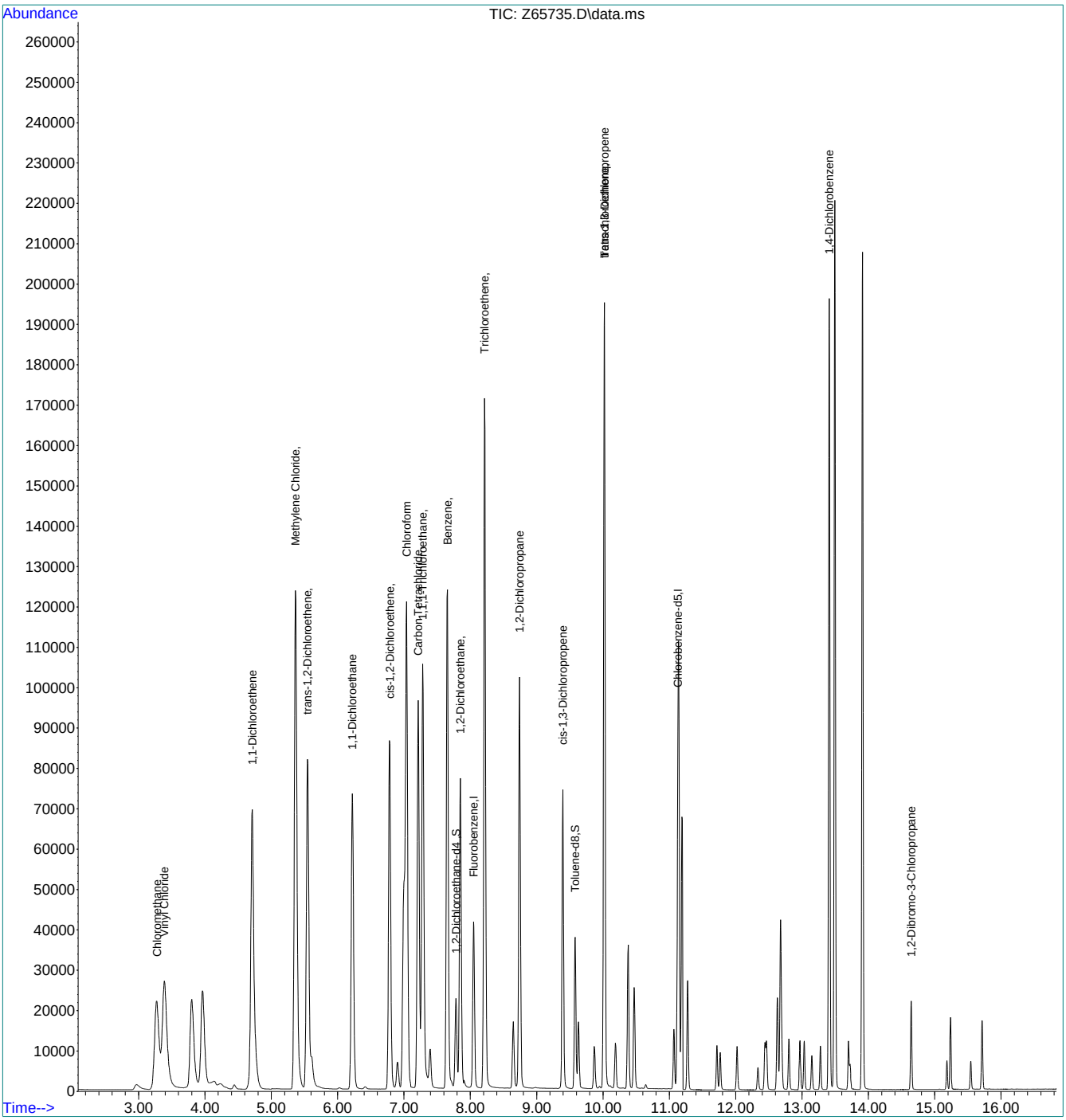
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	48867	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	41202	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	20903	4.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%				
19) Toluene-d8	9.582	98	38405	4.52	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	84605	10.52	ug/L		96
3) Chloromethane	3.276	50	78623	10.71	ug/L		98
4) 1,1-Dichloroethene	4.713	61	88223	10.96	ug/L		97
5) Methylene Chloride	5.364	49	117218	16.00	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	80165	10.75	ug/L		80
7) 1,1-Dichloroethane	6.221	63	102015	10.52	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	55479	10.32	ug/L	#	72
9) Chloroform	7.039	83	124572	10.31	ug/L		87
10) Carbon Tetrachloride	7.213	117	81069	10.82	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	98421	10.66	ug/L		89
12) Benzene	7.655	78	208595	10.66	ug/L		78
14) 1,2-Dichloroethane	7.851	62	76777	10.16	ug/L		85
15) Trichloroethene	8.214	95	61339	10.98	ug/L		96
16) 1,2-Dichloropropane	8.742	63	51055	10.05	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	62240	9.03	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	60324m	9.38	ug/L		
21) Tetrachloroethene	10.022	166	53138	9.65	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	116459	10.55	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8233	9.90	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

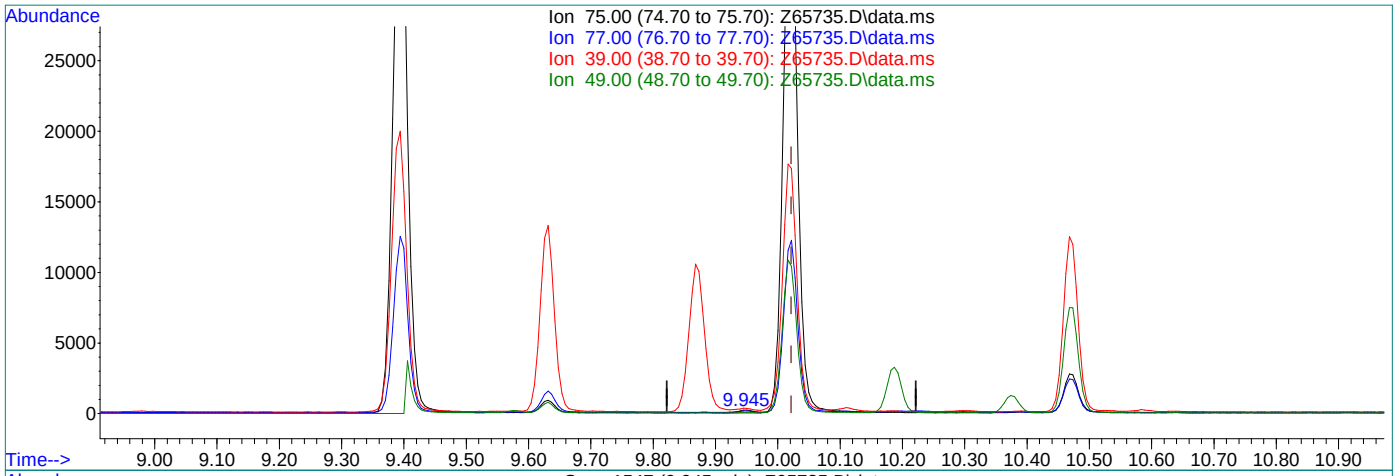
Sample Number:	VZ2585-ECC2584	**Method:**	SW846 8260B BY SIM
Lab FileID:	Z65735.D	**Analyst approved:**	09/04/21 08:57 Charlene Gonzalez
Injection Time:	09/03/21 17:15	**Supervisor approved:**	09/04/21 11:05 Sean Pioro

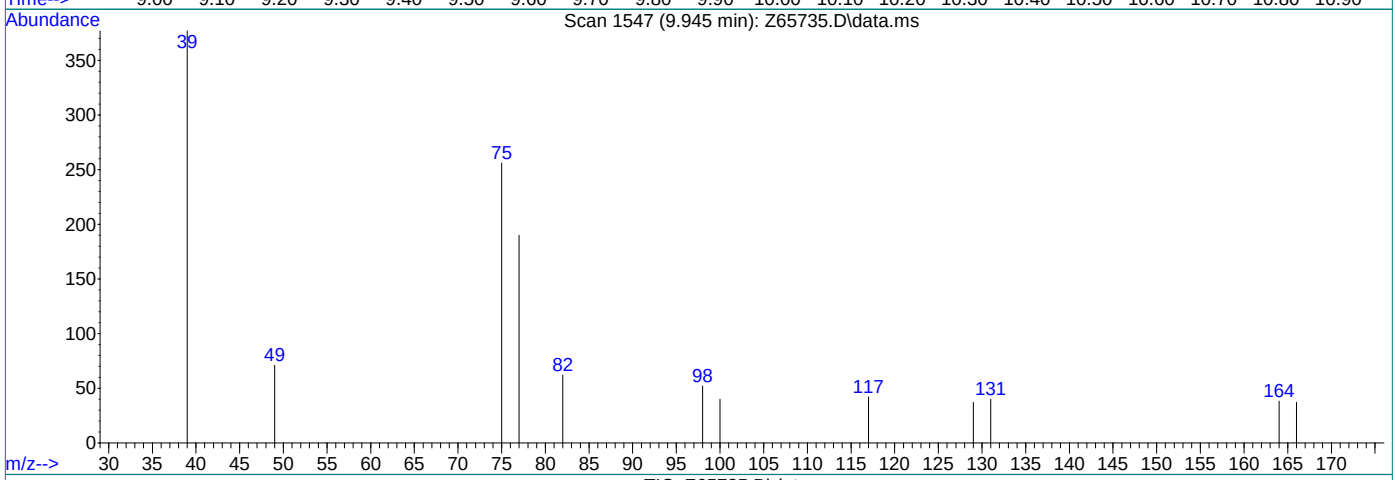
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.05ug/L

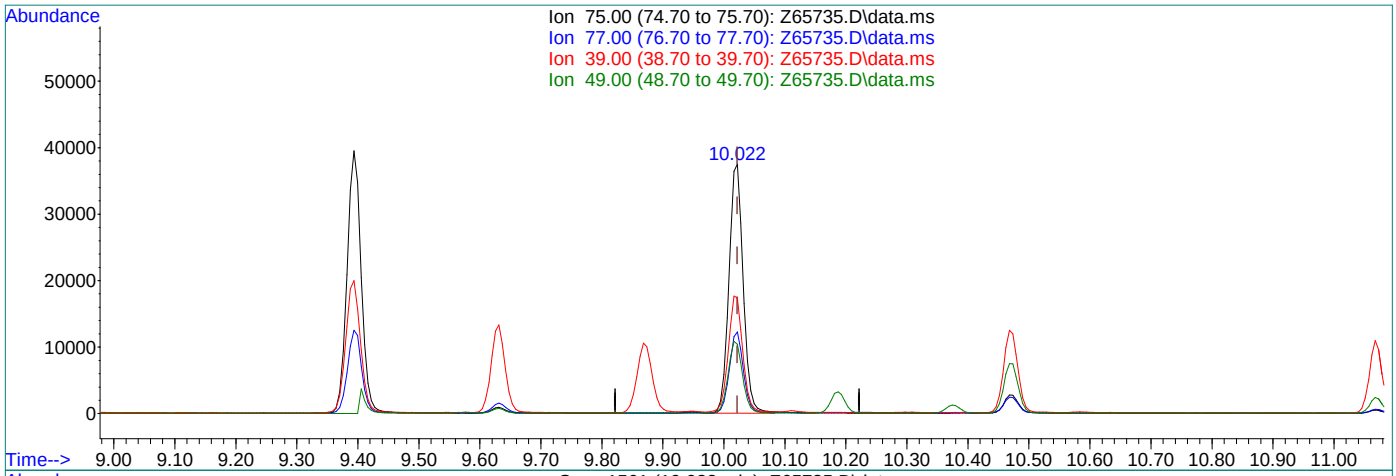
response 313

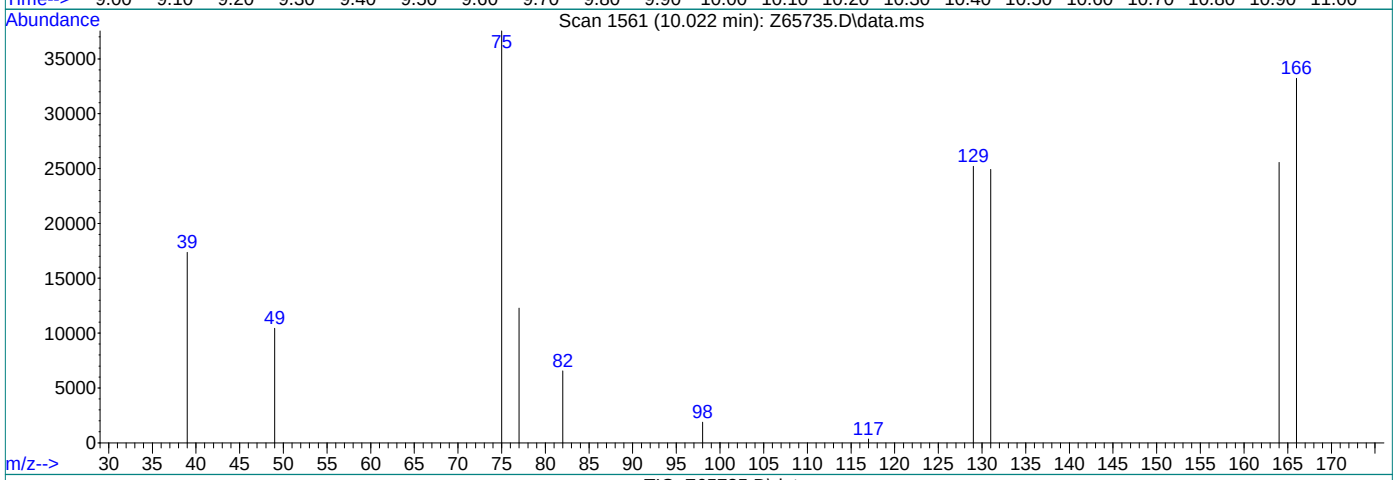
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	52.00
39.00	84.50	72.00
49.00	23.10	11.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 9.38ug/L m

response 60324

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.68
39.00	84.50	46.24#
49.00	23.10	27.77

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/02/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1437809	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2584		DATE VERIFIED: 09/03/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65700	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65701	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65702	CC2575-5	-	-	w	3	ACQ_SIMCLB		-	-	-	50µL → 50mL ; multiple failures
Z65703	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL
Z65704	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65705	IC2584-1	-	-	w	6	ACQ_SIMCLB	#3, 22, 23 MP ; #9-11 PDB	-	-	-	1µL → 100mL ✓
Z65706	IC2584-2	-	-	w	7	ACQ_SIMCLB	#9, 10 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65707	IC2584-3	-	-	w	8	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65708	IC2584-4	-	-	w	9	ACQ_SIMCLB	#20 MP	-	-	-	25µL → 50mL ✓
Z65709	ICC2584-5	-	-	w	10	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65710	IC2584-6	-	-	w	11	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65711	IC2584-7	-	-	w	12	ACQ_SIMCLB	#20 MP	-	-	-	100µL → 50mL ✓
Z65712	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65713	ICV2584-5	-	-	w	14	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/03/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1582784	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2585		DATE VERIFIED: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65714	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65715	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65716	CC2584-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65717	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65718	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65719	MB	-	-	w	6	ACQ_SIMCLB		-	-	-	
Z65720	FA88610-6	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65721	FA88607-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65722	FA88607-1	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65723	FA88607-3	1x	1	w	10	ACQ_SIMCLB		1	N	-	
Z65724	FA88607-4	1x	1	w	11	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65725	FA88605-1	1x	1	w	12	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65726	FA88605-2	1x	1	w	13	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65727	FA88605-3	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65728	Conditioning Std.	-	-	w	15	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65729	Blank	-	-	w	16	ACQ_SIMCLB		-	-	-	
Z65730	FA88608-1	1x	1	w	17	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65731	FA88608-2	1x	1	w	18	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65732	FA88608-3	1x	1	w	19	ACQ_SIMCLB		1	N	1x	GC Connection lost - not acq.
Z65733	FA88607-3MS	5x	1	w	20	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65734	FA88607-3MSD	5x	1	w	21	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65735	ECC2584-5	1x	1	w	22	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

SGS Job Number: FA88608

Sampling Date: 08/31/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **196**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88608

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88608-1	08/31/21	10:25	TMLH	09/02/21	AQ	Ground Water	2135WOU2222F
FA88608-2	08/31/21	12:05	TMLH	09/02/21	AQ	Ground Water	2135WOU2229F
FA88608-3	08/31/21	14:15	TMLH	09/02/21	AQ	Ground Water	2135W0BW231F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88608

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/15/2021 2:00:31

On 09/02/2021, 3 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88608 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2547

Sample(s) FA88610-1MS, FA88610-1MSD were used as the QC samples indicated.

Sample(s) FA88608-3 have surrogates outside control limits.

FA88608-3 for 1,2-Dichloroethane-D4: Outside control limits; however, sample is ND.

Matrix: AQ **Batch ID:** VZ2585

Sample(s) FA88607-3MS, FA88607-3MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Carbon Tetrachloride are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88608
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88608-1	**2135WOU2222F**					
No hits reported in this sample.						
FA88608-2	**2135WOU2229F**					
Carbon Tetrachloride		3.5	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88608-3	**2135W0BW231F**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135WOU2222F		
Lab Sample ID:	FA88608-1	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65730.D	1	09/03/21 14:52	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135WOU2229F		
Lab Sample ID:	FA88608-2	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65731.D	1	09/03/21 15:12	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	3.5	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	125%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW231F		
Lab Sample ID:	FA88608-3	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64985.D	1	09/04/21 18:16	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	132% [a]		74-125%
2037-26-5	Toluene-D8	97%		88-111%

(a) Outside control limits; however, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CA05235 Ahtna

FA88608

1 of 1

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0171

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / L. Henderson
Project Name: FT. ORD Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C): 5.4 IR1

Lab Number	Sample Number/Description	Date	Time	Water	Soil	Other	Total # of Bottles	HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
1	2135WOU222F	8-31-21	1025	x			3	3								x								
2	2135WØU2229F	↓	1205	x			3	3								x								
3	2135WØBW231F	↓	1415	x			3	3								x								

Turnaround Time: ✓ : Standard ___ : 3-5 Day Rush ___ : 48 Hour Rush ___ : 24 Hour Rush

Shipment: Method: ___ Tracking ID: ___

INITIAL ASSESSMENT CM

LABEL VERIFICATION 4.4 IR1

Comments: OUCTP-Upper

Chain of Custody Tracking:

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By Sampler: Tom Moore	8-31-21 1105	Steve Kozlay	8-31-21 1710
Relinquished By: Steve Kozlay	9-1-21 1030	Lee Bauer	9/1/21 1030
Relinquished By: Lee Bauer	9/1/21 1700	Received By Laboratory: FEDEX	9/1/21 1700
		Carlos H Delgado	9/2/21 0945

FA88608: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA88608 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Upper

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774705379942

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.4);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☐		☑	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

FA88608: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88608
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2547	SW846 8260B BY SIM						
VO2547-BS	56-23-5	Carbon Tetrachloride	BSP	REC	106	%	72-136
VO2547-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	93	%	81-118
VO2547-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
FA88610-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FA88610-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88610-1MS*	2037-26-5	Toluene-D8	MS	SURR	89	%	89-112
FA88610-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA88610-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA88610-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	101	%	81-118
FA88610-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VO2547-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VO2547-MB	2037-26-5	Toluene-D8	MB	SURR	103	%	89-112
FA88608-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	132 [a]	%	81-118
FA88608-3	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
VZ2585	SW846 8260B BY SIM						
VZ2585-BS	56-23-5	Carbon Tetrachloride	BSP	REC	110	%	72-136
VZ2585-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VZ2585-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FA88607-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	143	%	72-136
FA88607-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	111	%	81-118
FA88607-3MS*	2037-26-5	Toluene-D8	MS	SURR	85	%	89-112
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	134	%	72-136
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA88607-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	107	%	81-118
FA88607-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VZ2585-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VZ2585-MB	2037-26-5	Toluene-D8	MB	SURR	109	%	89-112
FA88608-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	120	%	81-118
FA88608-1	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FA88608-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	125	%	81-118
FA88608-2	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112

(a) Outside control limits; however, sample is ND.

* Sample used for QC is not from job FA88608

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-MB	Z65718.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-1, FA88608-2

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

Method Blank Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2547-MB	O64964.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-3

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	103%	88-111%

Blank Spike Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-BS	Z65717.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-1, FA88608-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.5	110	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	94%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2547-BS	O64963.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.3	106	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	93%	74-125%
2037-26-5	Toluene-D8	101%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88607-3MS	Z65733.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3MSD	Z65734.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3	Z65723.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-1, FA88608-2

CAS No.	Compound	FA88607-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	35.8	143*	25	33.4	134	7	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FA88607-3	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	107%	117%	74-125%
2037-26-5	Toluene-D8	85%*	90%	102%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88610-1MS	O64986.D	5	09/04/21	CG	n/a	n/a	VO2547
FA88610-1MSD	O64987.D	5	09/04/21	CG	n/a	n/a	VO2547
FA88610-1	O64966.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88608-3

CAS No.	Compound	FA88610-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.16	J	25	24.2	96	25	25.7	102	6	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FA88610-1	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	101%	110%	74-125%
2037-26-5	Toluene-D8	89%	90%	102%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2546-BFB
Lab File ID: O64950.D
Instrument ID: GCMSO
Injection Date: 09/03/21
Injection Time: 16:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	91965	19.1		Pass
75	30.0 - 60.0% of mass 95	227925	47.4		Pass
95	Base peak, 100% relative abundance	480384	100.0		Pass
96	5.0 - 9.0% of mass 95	32669	6.80		Pass
173	Less than 2.0% of mass 174	1868	0.39	(0.55) [a]	Pass
174	50.0 - 100.0% of mass 95	339733	70.7		Pass
175	5.0 - 9.0% of mass 174	24797	5.16	(7.30) [a]	Pass
176	95.0 - 101.0% of mass 174	324608	67.6	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	21893	4.56	(6.74) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2546-IC2546	O64951.D	09/03/21	17:04	00:22	Initial cal 1
VO2546-IC2546	O64952.D	09/03/21	17:28	00:46	Initial cal 2
VO2546-IC2546	O64953.D	09/03/21	17:50	01:08	Initial cal 3
VO2546-IC2546	O64954.D	09/03/21	18:13	01:31	Initial cal 4
VO2546-ICC2546	O64955.D	09/03/21	18:36	01:54	Initial cal 5
VO2546-IC2546	O64956.D	09/03/21	18:59	02:17	Initial cal 6
VO2546-IC2546	O64957.D	09/03/21	19:23	02:41	Initial cal 7
VO2546-ICV2546	O64959.D	09/03/21	20:09	03:27	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-BFB
Lab File ID: O64961.D
Instrument ID: GCMSO
Injection Date: 09/04/21
Injection Time: 09:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	99328	19.7		Pass
75	30.0 - 60.0% of mass 95	242560	48.2		Pass
95	Base peak, 100% relative abundance	503701	100.0		Pass
96	5.0 - 9.0% of mass 95	33600	6.67		Pass
173	Less than 2.0% of mass 174	3186	0.63	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	363755	72.2		Pass
175	5.0 - 9.0% of mass 174	26192	5.20	(7.20) [a]	Pass
176	95.0 - 101.0% of mass 174	347008	68.9	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	21995	4.37	(6.34) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2547-CC2546	O64962.D	09/04/21	09:23	00:23	Continuing cal 5
VO2547-BS	O64963.D	09/04/21	09:46	00:46	Blank Spike
VO2547-MB	O64964.D	09/04/21	10:09	01:09	Method Blank
FA88610-1	O64966.D	09/04/21	10:55	01:55	(used for QC only; not part of job FA88608)
ZZZZZZ	O64967.D	09/04/21	11:18	02:18	(unrelated sample)
ZZZZZZ	O64968.D	09/04/21	11:41	02:41	(unrelated sample)
ZZZZZZ	O64969.D	09/04/21	12:04	03:04	(unrelated sample)
ZZZZZZ	O64970.D	09/04/21	12:27	03:27	(unrelated sample)
ZZZZZZ	O64971.D	09/04/21	12:51	03:51	(unrelated sample)
ZZZZZZ	O64972.D	09/04/21	13:14	04:14	(unrelated sample)
ZZZZZZ	O64973.D	09/04/21	13:37	04:37	(unrelated sample)
ZZZZZZ	O64974.D	09/04/21	14:00	05:00	(unrelated sample)
ZZZZZZ	O64975.D	09/04/21	14:23	05:23	(unrelated sample)
ZZZZZZ	O64978.D	09/04/21	15:33	06:33	(unrelated sample)
ZZZZZZ	O64979.D	09/04/21	15:57	06:57	(unrelated sample)
ZZZZZZ	O64980.D	09/04/21	16:20	07:20	(unrelated sample)
ZZZZZZ	O64981.D	09/04/21	16:43	07:43	(unrelated sample)
ZZZZZZ	O64982.D	09/04/21	17:06	08:06	(unrelated sample)
ZZZZZZ	O64983.D	09/04/21	17:29	08:29	(unrelated sample)
ZZZZZZ	O64984.D	09/04/21	17:53	08:53	(unrelated sample)
FA88608-3	O64985.D	09/04/21	18:16	09:16	2135W0BW231F
FA88610-1MS	O64986.D	09/04/21	18:39	09:39	Matrix Spike
FA88610-1MSD	O64987.D	09/04/21	19:03	10:03	Matrix Spike Duplicate
VO2547-ECC2546	O64988.D	09/04/21	19:26	10:26	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-BFB
Lab File ID: Z65701.D
Instrument ID: GCMSZ
Injection Date: 09/02/21
Injection Time: 12:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32941	20.2		Pass
75	30.0 - 60.0% of mass 95	91400	56.1		Pass
95	Base peak, 100% relative abundance	162995	100.0		Pass
96	5.0 - 9.0% of mass 95	11206	6.88		Pass
173	Less than 2.0% of mass 174	1242	0.76	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	140947	86.5		Pass
175	5.0 - 9.0% of mass 174	10204	6.26	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	140437	86.2	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9114	5.59	(6.49) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2584-IC2584	Z65705.D	09/02/21	14:48	02:13	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21	15:08	02:33	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21	15:29	02:54	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21	15:49	03:14	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21	16:10	03:35	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21	16:30	03:55	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21	16:51	04:16	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21	17:32	04:57	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-BFB
Lab File ID: Z65715.D
Instrument ID: GCMSZ
Injection Date: 09/03/21
Injection Time: 09:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38475	21.1		Pass
75	30.0 - 60.0% of mass 95	105853	58.0		Pass
95	Base peak, 100% relative abundance	182464	100.0		Pass
96	5.0 - 9.0% of mass 95	12727	6.98		Pass
173	Less than 2.0% of mass 174	1494	0.82	(1.05) [a]	Pass
174	50.0 - 100.0% of mass 95	142331	78.0		Pass
175	5.0 - 9.0% of mass 174	10776	5.91	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	139501	76.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	9064	4.97	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2585-CC2584	Z65716.D	09/03/21	10:03	00:20	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21	10:23	00:40	Blank Spike
VZ2585-MB	Z65718.D	09/03/21	10:44	01:01	Method Blank
ZZZZZZ	Z65720.D	09/03/21	11:27	01:44	(unrelated sample)
ZZZZZZ	Z65721.D	09/03/21	11:48	02:05	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21	12:08	02:25	(unrelated sample)
FA88607-3	Z65723.D	09/03/21	12:28	02:45	(used for QC only; not part of job FA88608)
ZZZZZZ	Z65724.D	09/03/21	12:49	03:06	(unrelated sample)
ZZZZZZ	Z65725.D	09/03/21	13:09	03:26	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21	13:30	03:47	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21	13:50	04:07	(unrelated sample)
FA88608-1	Z65730.D	09/03/21	14:52	05:09	2135WOU2222F
FA88608-2	Z65731.D	09/03/21	15:12	05:29	2135WOU2229F
FA88607-3MS	Z65733.D	09/03/21	16:34	06:51	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21	16:54	07:11	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21	17:15	07:32	Ending cal 5

Internal Standard Area Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2547-CC2546	**Injection Date:**	09/04/21
Lab File ID:	O64962.D	**Injection Time:**	09:23
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	76079	10.78	52353	13.65
Check Std [b]	73944	10.78	50531	13.65
Upper Limit [c]	147888	10.95	101062	13.82
Lower Limit [d]	36972	10.61	25266	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2547-BS	74713	10.78	50924	13.65
VO2547-MB	65441	10.78	44186	13.65
FA88610-1	61411	10.78	41796	13.65
ZZZZZZ	62049	10.78	42374	13.65
ZZZZZZ	55647	10.78	38427	13.65
ZZZZZZ	55117	10.78	37652	13.65
ZZZZZZ	55831	10.78	38116	13.65
ZZZZZZ	53650	10.78	36784	13.65
ZZZZZZ	53553	10.78	38094	13.65
ZZZZZZ	55975	10.78	39804	13.65
ZZZZZZ	54478	10.78	38933	13.65
ZZZZZZ	54000	10.78	38538	13.65
ZZZZZZ	52572	10.78	39446	13.65
ZZZZZZ	51917	10.78	37243	13.65
ZZZZZZ	51265	10.78	37857	13.65
ZZZZZZ	49948	10.78	36767	13.65
ZZZZZZ	48810	10.78	37467	13.65
ZZZZZZ	48309	10.78	36282	13.65
ZZZZZZ	47473	10.78	35718	13.65
FA88608-3	45106	10.78	32719	13.65
FA88610-1MS	58542	10.78	43028	13.65
FA88610-1MSD	61257	10.78	45267	13.65
VO2547-ECC254	66826	10.78	49620	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2546-ICC2546 O64955.D 09/03/21 18:36
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2585-CC2584	**Injection Date:**	09/03/21
Lab File ID:	Z65716.D	**Injection Time:**	10:03
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	55195	8.05	48252	11.13
Check Std [b]	60582	8.05	49907	11.12
Upper Limit [c]	121164	8.22	99814	11.29
Lower Limit [d]	30291	7.88	24954	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2585-BS	56138	8.05	44608	11.12
VZ2585-MB	49294	8.05	34756	11.13
ZZZZZZ	45027	8.05	32570	11.12
ZZZZZZ	42901	8.05	30724	11.13
ZZZZZZ	41586	8.05	30661	11.13
FA88607-3	40199	8.05	30097	11.13
ZZZZZZ	40382	8.05	29261	11.13
ZZZZZZ	38685	8.05	28279	11.13
ZZZZZZ	35025	8.05	27050	11.13
ZZZZZZ	34894	8.05	25283	11.13
FA88608-1	39670	8.05	29079	11.13
FA88608-2	35539	8.05	26188	11.13
FA88607-3MS	42576	8.05	37557	11.12
FA88607-3MSD	42339	8.05	34132	11.12
VZ2585-ECC2584	48867	8.05	41202	11.13

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2584-ICC2584 Z65709.D 09/02/21 16:10
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88608-1	Z65730.D	120	104
FA88608-2	Z65731.D	125	102
FA88608-3	O64985.D	132* [a]	97
FA88607-3MS	Z65733.D	111	85*
FA88607-3MSD	Z65734.D	107	90
FA88610-1MS	O64986.D	103	89
FA88610-1MSD	O64987.D	101	90
VO2547-BS	O64963.D	93	101
VO2547-MB	O64964.D	104	103
VZ2585-BS	Z65717.D	94	97
VZ2585-MB	Z65718.D	105	109

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

(a) Outside control limits; however, sample is ND.

Initial Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2546-ICC2546
Lab FileID: O64955.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

Calibration Files
1 =O64951.D 2 =O64952.D 3 =O64953.D 4 =O64954.D
5 =O64955.D 6 =O64956.D 7 =O64957.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	ISTD								
2) Vinyl Chloride	0.645	0.637	0.591	0.622	0.581	0.605	0.599	0.612	3.91
3) Chloromethane	2.260	1.058	0.793	0.766	0.682	0.695	0.684	0.991	57.99
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 0.73148 *A + -0.01236 *A^2									
4) 1,1-Dichloroethen	1.170	1.069	0.836	0.905	0.924	0.961	0.949	0.973	11.45
5) Methylene Chlorid	3.679	0.771	0.255	0.150	0.116	0.107	0.103	0.740 E1	178.05
6) trans-1,2-Dichlor	1.170	1.069	0.836	0.905	0.924	0.961	0.949	0.973	11.45
7) 1,1-Dichloroethan	1.407	1.285	1.048	1.066	1.064	1.089	1.067	1.146	12.32
8) cis-1,2-Dichloroe	0.645	0.614	0.474	0.514	0.525	0.545	0.539	0.551	10.75
9) Chloroform	1.662	1.526	1.175	1.157	1.134	1.149	1.117	1.274	17.47
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
Response Ratio = 0.00000 + 1.17725 *A + -0.01401 *A^2									
10) Carbon Tetrachlor	0.942	0.866	0.657	0.701	0.702	0.734	0.708	0.758	13.72
11) 1,1,1-Trichloroet	1.102	1.063	0.826	0.873	0.872	0.893	0.880	0.930	11.53
12) Benzene	2.553	2.363	1.937	2.031	2.087	2.151	2.132	2.179	9.65
13)S 1,2-Dichloroethan	0.479	0.470	0.434	0.410	0.397	0.397	0.394	0.426	8.51
14) 1,2-Dichloroethan	1.228	1.132	0.976	0.937	0.928	0.940	0.921	1.009	12.04
15) Trichloroethene	0.733	0.706	0.579	0.627	0.643	0.661	0.647	0.657	7.72
16) 1,2-Dichloropropa	0.673	0.682	0.571	0.570	0.578	0.600	0.598	0.610	7.81
17) cis-1,3-Dichlorop	0.581	0.627	0.610	0.646	0.716	0.774	0.791	0.678	12.21
18) I Chlorobenzene-d5	ISTD								
19)S Toluene-d8	1.094	1.142	1.095	1.076	1.071	1.103	1.105	1.098	2.10
20) trans-1,3-Dichlor	0.870	0.954	0.912	0.959	1.041	1.114	1.136	0.998	10.16
21) Tetrachloroethene	0.903	0.875	0.683	0.724	0.733	0.748	0.741	0.772	10.70

(#) = Out of Range

SIMCL-09-03-2021.M Sat Sep 04 08:28:28 2021

Initial Calibration Verification

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2546-ICV2546
Lab FileID: O64959.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-03\O64959.D Vial: 11
Acq On : 3 Sep 2021 8:09 pm Operator: CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00	10.78
2		Vinyl Chloride	0.612	0.516	15.7	92	0.00	3.50
		---------- Amount	Calc.	%Drift	----------			
3		Chloromethane	10.000	8.444	15.6	91	0.00	3.34
		---------- AvgRF	CCRF	%Dev	----------			
4		1,1-Dichloroethene	0.973	0.853	12.3	95	0.00	5.45
5		Methylene Chloride	7.402	1.071	85.5#	95	0.00	6.51
6		trans-1,2-Dichloroethene	0.973	0.853	12.3	95	0.00	5.45
7		1,1-Dichloroethane	1.146	1.031	10.0	100	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.484	12.2	95	0.00	5.46
		---------- Amount	Calc.	%Drift	----------			
9		Chloroform	10.000	9.156	8.4	96	0.00	9.45
		---------- AvgRF	CCRF	%Dev	----------			
10		Carbon Tetrachloride	0.758	0.658	13.2	97	0.00	9.66
11		1,1,1-Trichloroethane	0.930	0.806	13.3	95	0.00	9.76
12		Benzene	2.179	1.953	10.4	96	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.426	0.394	7.5	102	0.00	10.44
14		1,2-Dichloroethane	1.009	0.864	14.4	96	0.00	10.52
15		Trichloroethene	0.657	0.605	7.9	97	0.00	10.97
16		1,2-Dichloropropane	0.610	0.547	10.3	98	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.690	-1.8	99	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.65
19	S	Toluene-d8	1.098	1.074	2.2	105	0.00	12.37
20		trans-1,3-Dichloropropene	0.998	0.990	0.8	99	0.00	12.77
21		Tetrachloroethene	0.772	0.687	11.0	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Sat Sep 04 08:28:19 2021

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-CC2546
Lab FileID: O64962.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-04\O64962.D Vial: 3
Acq On : 4 Sep 2021 9:23 am Operator: CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00	10.78
2		Vinyl Chloride	0.612	0.628	-2.6	105	0.00	3.50
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.412	-4.1	105	0.00	3.34
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.973	0.946	2.8	100	0.00	5.45
5		Methylene Chloride	7.402	1.218	83.5#	102	0.00	6.50
6		trans-1,2-Dichloroethene	0.973	0.946	2.8	100	0.00	5.45
7		1,1-Dichloroethane	1.146	1.101	3.9	101	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.540	2.0	100	0.00	5.45
			Amount	Calc.	%Drift			
9		Chloroform	10.000	10.270	-2.7	101	0.00	9.45
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.758	0.742	2.1	103	0.00	9.65
11		1,1,1-Trichloroethane	0.930	0.911	2.0	102	0.00	9.75
12		Benzene	2.179	2.181	-0.1	102	0.00	10.26
13	S	1,2-Dichloroethane-d4	0.426	0.387	9.2	95	0.00	10.44
14		1,2-Dichloroethane	1.009	0.962	4.7	101	0.00	10.52
15		Trichloroethene	0.657	0.663	-0.9	100	0.00	10.97
16		1,2-Dichloropropane	0.610	0.606	0.7	102	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.782	-15.3	106	0.00	12.76
18	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	13.65
19	S	Toluene-d8	1.098	1.105	-0.6	100	0.00	12.36
20		trans-1,3-Dichloropropene	0.998	1.144	-14.6	106	0.00	12.76
21		Tetrachloroethene	0.772	0.770	0.3	101	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Sat Sep 04 10:13:17 2021

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-ECC2546
Lab FileID: O64988.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-04\O64988.D Vial: 29
Acq On : 4 Sep 2021 7:26 pm Operator: CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	10.78
2		Vinyl Chloride	0.612	0.672	-9.8	102	0.00	3.50
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	11.513	-15.1	104	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	0.973	0.357	63.3#	34#	0.00	5.45
5		Methylene Chloride	7.402	0.644	91.3#	49#	0.00	6.51
6		trans-1,2-Dichloroethene	0.973	0.372	61.8#	35#	0.00	5.45
7		1,1-Dichloroethane	1.146	1.139	0.6	94	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.200	63.7#	33#	0.00	5.45
		----------	Amount	Calc.	%Drift	----------		
9		Chloroform	10.000	10.737	-7.4	95	0.00	9.45
		----------	AvgRF	CCRF	%Dev	----------		
10		Carbon Tetrachloride	0.758	0.686	9.5	86	0.00	9.66
11		1,1,1-Trichloroethane	0.930	0.890	4.3	90	0.00	9.76
12		Benzene	2.179	2.252	-3.4	95	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.426	0.404	5.2	89	0.00	10.44
14		1,2-Dichloroethane	1.009	1.006	0.3	95	0.00	10.52
15		Trichloroethene	0.657	0.710	-8.1	97	0.00	10.97
16		1,2-Dichloropropane	0.610	0.644	-5.6	98	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.781	-15.2	96	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	13.65
19	S	Toluene-d8	1.098	0.987	10.1	87	0.00	12.37
20		trans-1,3-Dichloropropene	0.998	1.051	-5.3	96	0.00	12.77
21		Tetrachloroethene	0.772	0.769	0.4	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Tue Sep 07 08:45:50 2021

Initial Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICC2584
Lab FileID: Z65709.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Calibration Files
1 =Z65705.D 2 =Z65706.D 3 =Z65707.D 4 =Z65708.D
5 =Z65709.D 6 =Z65710.D 7 =Z65711.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Vinyl Chloride	0.886	0.901	0.851	0.805	0.789	0.778	0.748	0.823	7.02
3) Chloromethane	1.798	1.025	0.837	0.771	0.742	0.738	0.691	0.943	41.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 0.81552 *A + -0.03012 *A^2									
4) 1,1-Dichloroethen	0.701	0.803	0.841	0.847	0.838	0.874	0.860	0.823	7.08
5) Methylene Chlorid	2.184	0.994	0.855	0.815	0.758	0.763	0.729	1.014	51.61
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 0.82437 *A + -0.02332 *A^2									
6) trans-1,2-Dichlor	0.680	0.709	0.766	0.782	0.775	0.832	0.796	0.763	6.78
7) 1,1-Dichloroethan	0.940	0.952	1.030	1.022	0.976	1.024	1.000	0.992	3.68
8) cis-1,2-Dichloroe	0.508	0.496	0.540	0.556	0.546	0.603	0.603	0.550	7.59
9) Chloroform	2.573	1.409	1.310	1.268	1.192	1.260	1.229	1.463	33.79
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 1.23929 *A + -0.00134 *A^2									
10) Carbon Tetrachlor	0.682	0.675	0.822	0.789	0.777	0.817	0.804	0.766	8.13
11) 1,1,1-Trichloroet	0.792	0.923	0.987	0.977	0.939	1.004	0.990	0.945	7.73
12) Benzene	1.775	1.780	1.973	2.065	2.035	2.200	2.185	2.002	8.64
13)S 1,2-Dichloroethan	0.475	0.480	0.443	0.422	0.409	0.395	0.384	0.430	8.78
14) 1,2-Dichloroethan	0.734	0.740	0.810	0.803	0.759	0.791	0.774	0.773	3.87
15) Trichloroethene	0.467	0.512	0.570	0.589	0.586	0.638	0.637	0.571	11.03
16) 1,2-Dichloropropa	0.462	0.488	0.525	0.536	0.517	0.558	0.551	0.520	6.61
17) cis-1,3-Dichlorop	0.517	0.357	0.595	0.637	0.711	0.770	0.782	0.624	24.30
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
Response Ratio = 0.00000 + 0.63567 *A + 0.03847 *A^2									
18) I Chlorobenzene-d5	----------ISTD----------								
19)S Toluene-d8	1.103	1.096	1.029	0.997	0.980	1.004	1.004	1.030	4.78
20) trans-1,3-Dichlor	0.591	0.304	0.687	0.721	0.768	0.858	0.872	0.686	28.34
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992									
Response Ratio = 0.00000 + 0.69172 *A + 0.04705 *A^2									
21) Tetrachloroethene	0.612	0.667	0.685	0.665	0.646	0.699	0.705	0.668	4.84
22) 1,4-Dichlorobenze	1.204	1.082	1.322	1.379	1.352	1.502	1.532	1.339	11.81
23) 1,2-Dibromo-3-Chl	0.138	0.085	0.101	0.100	0.097	0.105	0.102	0.104	15.69
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.09928 *A + 0.00082 *A^2									

(#) = Out of Range

SIMCL-09-02-2021.M Fri Sep 03 09:45:18 2021

Initial Calibration Verification

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-02\Z65713.D Vial: 14
Acq On : 2 Sep 2021 5:32 pm Operator: CHARLENG
Sample : icv2584-5 Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	8.05
2	Vinyl Chloride	0.823	0.667	19.0	89	0.00	3.39
		Amount	Calc.	%Drift			
3	Chloromethane	10.000	7.974	20.3#	87	0.00	3.27
		AvgRF	CCRF	%Dev			
4	1,1-Dichloroethene	0.823	0.832	-1.1	105	0.00	4.71
		Amount	Calc.	%Drift			
5	Methylene Chloride	10.000	9.277	7.2	101	0.00	5.36
		AvgRF	CCRF	%Dev			
6	trans-1,2-Dichloroethene	0.763	0.763	0.0	104	0.00	5.54
7	1,1-Dichloroethane	0.992	0.990	0.2	107	0.00	6.22
8	cis-1,2-Dichloroethene	0.550	0.548	0.4	106	0.00	6.79
		Amount	Calc.	%Drift			
9	Chloroform	10.000	9.279	7.2	102	0.00	7.04
		AvgRF	CCRF	%Dev			
10	Carbon Tetrachloride	0.766	0.745	2.7	102	0.00	7.21
11	1,1,1-Trichloroethane	0.945	0.902	4.6	102	0.00	7.28
12	Benzene	2.002	1.988	0.7	104	0.00	7.65
13 S	1,2-Dichloroethane-d4	0.430	0.402	6.5	104	0.00	7.78
14	1,2-Dichloroethane	0.773	0.734	5.0	102	0.00	7.85
15	Trichloroethene	0.571	0.570	0.2	103	0.00	8.21
16	1,2-Dichloropropane	0.520	0.511	1.7	105	0.00	8.74
		Amount	Calc.	%Drift			
17	cis-1,3-Dichloropropene	10.000	9.173	8.3	97	0.00	9.39
		AvgRF	CCRF	%Dev			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.13
19 S	Toluene-d8	1.030	0.954	7.4	101	0.00	9.58
		Amount	Calc.	%Drift			
20	trans-1,3-Dichloropropene	10.000	9.755	2.4	103	0.00	10.02
		AvgRF	CCRF	%Dev			
21	Tetrachloroethene	0.668	0.597	10.6	96	0.00	10.02

Initial Calibration Verification

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

22	1,4-Dichlorobenzene	1.339	1.398	-4.4	107	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.618	3.8	103	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 09:45:07 2021

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65716.D Vial: 3
Acq On : 3 Sep 2021 10:03 am Operator: CHARLENG
Sample : cc2584-5 Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00	8.05
2		Vinyl Chloride	0.823	0.679	17.5	94	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	8.287	17.1	94	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.795	3.4	104	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.200	-12.0	125	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.730	4.3	103	0.00	5.54
7		1,1-Dichloroethane	0.992	0.918	7.5	103	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.524	4.7	105	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	9.171	8.3	104	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.747	2.5	105	0.00	7.21
11		1,1,1-Trichloroethane	0.945	0.911	3.6	106	0.00	7.28
12		Benzene	2.002	1.930	3.6	104	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.391	9.1	105	0.00	7.78
14		1,2-Dichloroethane	0.773	0.704	8.9	102	0.00	7.85
15		Trichloroethene	0.571	0.565	1.1	106	0.00	8.21
16		1,2-Dichloropropane	0.520	0.493	5.2	105	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.827	11.7	96	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.12
19	S	Toluene-d8	1.030	0.990	3.9	104	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.641	13.6	90	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.630	5.7	101	0.00	10.02

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

22	1,4-Dichlorobenzene	1.339	1.305	2.5	100	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	7.880	21.2#	84	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 10:47:47 2021

6.7.7

6

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65735.D Vial: 22
Acq On : 3 Sep 2021 5:15 pm Operator: CHARLENG
Sample : ECC2584-5 Inst : MSVOA15
Misc : MS49713,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.05
2		Vinyl Chloride	0.823	0.866	-5.2	97	0.00	3.39
3		Chloromethane	10.000	10.712	-7.1	96	0.00	3.28
4		1,1-Dichloroethene	0.823	0.903	-9.7	95	0.00	4.71
5		Methylene Chloride	10.000	15.996	-60.0#	140	0.00	5.36
6		trans-1,2-Dichloroethene	0.763	0.820	-7.5	94	0.00	5.54
7		1,1-Dichloroethane	0.992	1.044	-5.2	95	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.568	-3.3	92	0.00	6.79
9		Chloroform	10.000	10.308	-3.1	95	0.00	7.04
10		Carbon Tetrachloride	0.766	0.829	-8.2	95	0.00	7.21
11		1,1,1-Trichloroethane	0.945	1.007	-6.6	95	0.00	7.28
12		Benzene	2.002	2.134	-6.6	93	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.428	0.5	93	0.00	7.78
14		1,2-Dichloroethane	0.773	0.786	-1.7	92	0.00	7.85
15		Trichloroethene	0.571	0.628	-10.0	95	0.00	8.21
16		1,2-Dichloropropane	0.520	0.522	-0.4	89	0.00	8.74
17		cis-1,3-Dichloropropene	10.000	9.031	9.7	79	0.00	9.39
18	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	11.13
19	S	Toluene-d8	1.030	0.932	9.5	81	0.00	9.58
20		trans-1,3-Dichloropropene	10.000	9.385	6.2	81	0.00	10.02
21		Tetrachloroethene	0.668	0.645	3.4	85	0.00	10.02

Continuing Calibration Summary

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

22	1,4-Dichlorobenzene	1.339	1.413	-5.5	89	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.902	1.0	88	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Sat Sep 04 08:53:54 2021

6.7.8

6

Run Sequence Report

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2546 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2546-BFB	O64950.D	09/03/21 16:42	n/a	BFB Tune
VO2546-IC2546	O64951.D	09/03/21 17:04	n/a	Initial cal 1
VO2546-IC2546	O64952.D	09/03/21 17:28	n/a	Initial cal 2
VO2546-IC2546	O64953.D	09/03/21 17:50	n/a	Initial cal 3
VO2546-IC2546	O64954.D	09/03/21 18:13	n/a	Initial cal 4
VO2546-ICC2546	O64955.D	09/03/21 18:36	n/a	Initial cal 5
VO2546-IC2546	O64956.D	09/03/21 18:59	n/a	Initial cal 6
VO2546-IC2546	O64957.D	09/03/21 19:23	n/a	Initial cal 7
VO2546-ICV2546	O64959.D	09/03/21 20:09	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2547 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2547-BFB	O64961.D	09/04/21 09:00	n/a	BFB Tune
VO2547-CC2546	O64962.D	09/04/21 09:23	n/a	Continuing cal 5
VO2547-BS	O64963.D	09/04/21 09:46	n/a	Blank Spike
VO2547-MB	O64964.D	09/04/21 10:09	n/a	Method Blank
FA88610-1	O64966.D	09/04/21 10:55	n/a	(used for QC only; not part of job FA88608)
ZZZZZZ	O64967.D	09/04/21 11:18	n/a	(unrelated sample)
ZZZZZZ	O64968.D	09/04/21 11:41	n/a	(unrelated sample)
ZZZZZZ	O64969.D	09/04/21 12:04	n/a	(unrelated sample)
ZZZZZZ	O64970.D	09/04/21 12:27	n/a	(unrelated sample)
ZZZZZZ	O64971.D	09/04/21 12:51	n/a	(unrelated sample)
ZZZZZZ	O64972.D	09/04/21 13:14	n/a	(unrelated sample)
ZZZZZZ	O64973.D	09/04/21 13:37	n/a	(unrelated sample)
ZZZZZZ	O64974.D	09/04/21 14:00	n/a	(unrelated sample)
ZZZZZZ	O64975.D	09/04/21 14:23	n/a	(unrelated sample)
ZZZZZZ	O64978.D	09/04/21 15:33	n/a	(unrelated sample)
ZZZZZZ	O64979.D	09/04/21 15:57	n/a	(unrelated sample)
ZZZZZZ	O64980.D	09/04/21 16:20	n/a	(unrelated sample)
ZZZZZZ	O64981.D	09/04/21 16:43	n/a	(unrelated sample)
ZZZZZZ	O64982.D	09/04/21 17:06	n/a	(unrelated sample)
ZZZZZZ	O64983.D	09/04/21 17:29	n/a	(unrelated sample)
ZZZZZZ	O64984.D	09/04/21 17:53	n/a	(unrelated sample)
FA88608-3	O64985.D	09/04/21 18:16	n/a	2135W0BW231F
FA88610-1MS	O64986.D	09/04/21 18:39	n/a	Matrix Spike
FA88610-1MSD	O64987.D	09/04/21 19:03	n/a	Matrix Spike Duplicate
VO2547-ECC2546	O64988.D	09/04/21 19:26	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2584 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2584-BFB	Z65701.D	09/02/21 12:35	n/a	BFB Tune
VZ2584-IC2584	Z65705.D	09/02/21 14:48	n/a	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21 15:08	n/a	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21 15:29	n/a	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21 15:49	n/a	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21 16:10	n/a	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21 16:30	n/a	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21 16:51	n/a	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21 17:32	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88608
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2585 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2585-BFB	Z65715.D	09/03/21 09:43	n/a	BFB Tune
VZ2585-CC2584	Z65716.D	09/03/21 10:03	n/a	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21 10:23	n/a	Blank Spike
VZ2585-MB	Z65718.D	09/03/21 10:44	n/a	Method Blank
ZZZZZZ	Z65720.D	09/03/21 11:27	n/a	(unrelated sample)
ZZZZZZ	Z65721.D	09/03/21 11:48	n/a	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21 12:08	n/a	(unrelated sample)
FA88607-3	Z65723.D	09/03/21 12:28	n/a	(used for QC only; not part of job FA88608)
ZZZZZZ	Z65724.D	09/03/21 12:49	n/a	(unrelated sample)
ZZZZZZ	Z65725.D	09/03/21 13:09	n/a	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21 13:30	n/a	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21 13:50	n/a	(unrelated sample)
FA88608-1	Z65730.D	09/03/21 14:52	n/a	2135WOU2222F
FA88608-2	Z65731.D	09/03/21 15:12	n/a	2135WOU2229F
FA88607-3MS	Z65733.D	09/03/21 16:34	n/a	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21 16:54	n/a	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21 17:15	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65730.D
Acq On : 3 Sep 2021 2:52 pm
Operator : CHARLENG
Sample : FA88608-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:14:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	39670	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	29079	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20530	6.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 120.40%			
19) Toluene-d8	9.582	98	31161	5.20	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	8975	1.38	ug/L	# 63
9) Chloroform	7.039	83	1950m	0.20	ug/L	

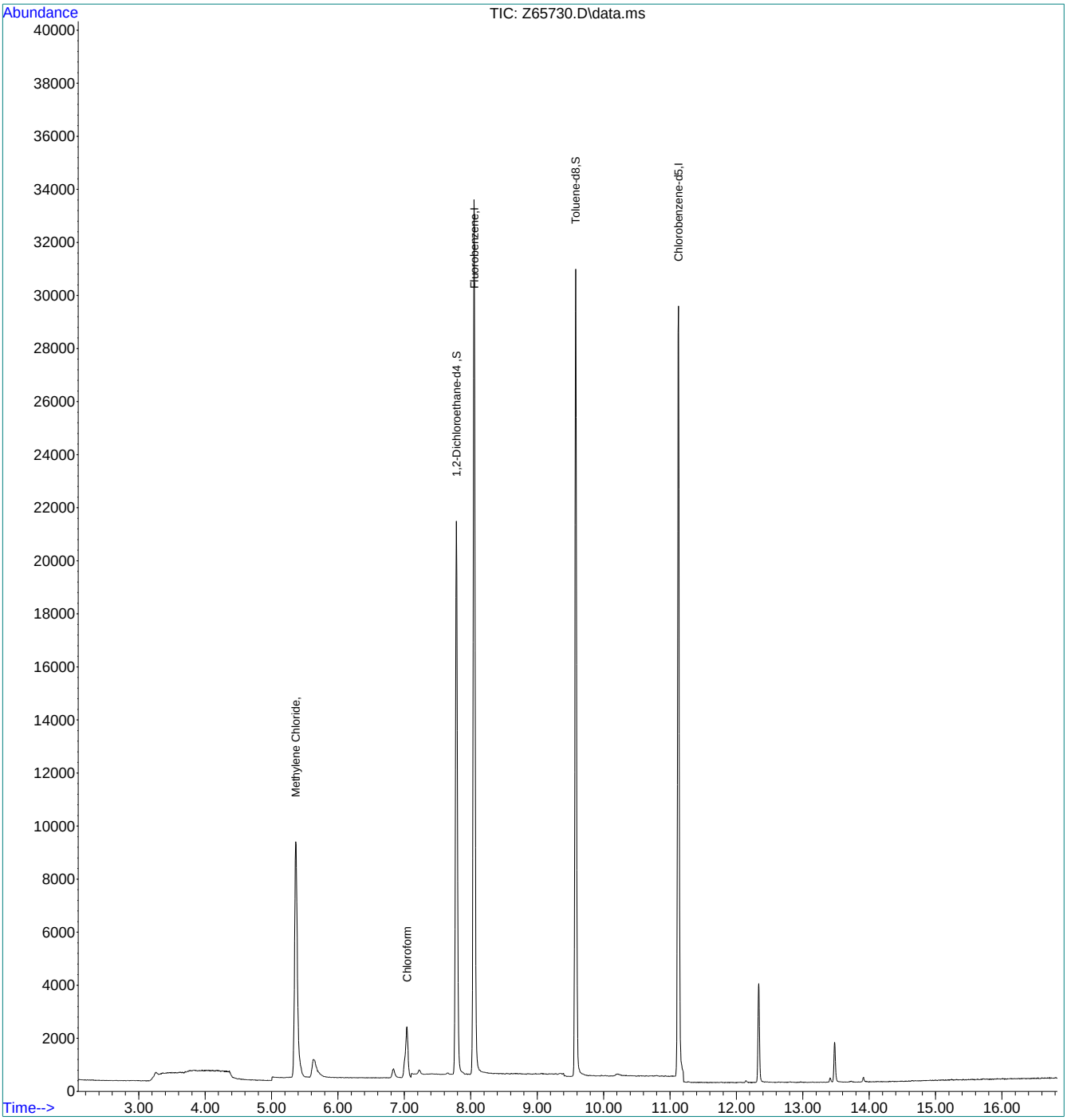
(#) = qualifier out of range (m) = manual integration (+) = signals summed

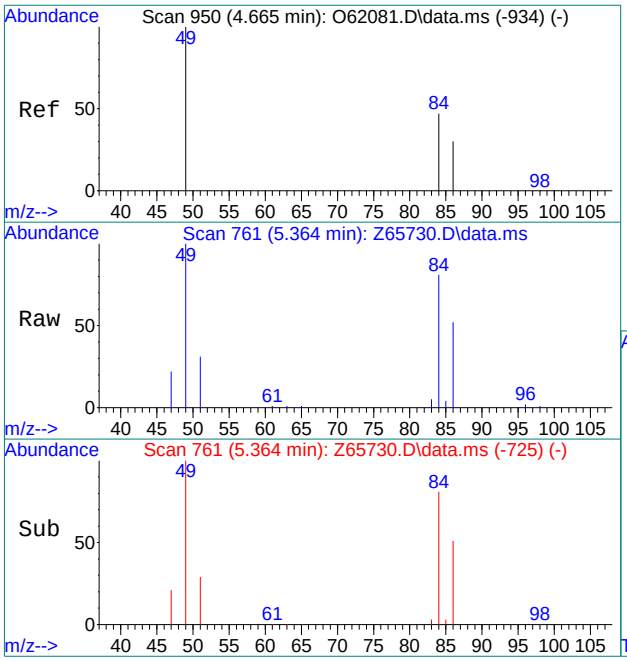
7.1.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65730.D
Acq On : 3 Sep 2021 2:52 pm
Operator : CHARLENG
Sample : FA88608-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:14:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

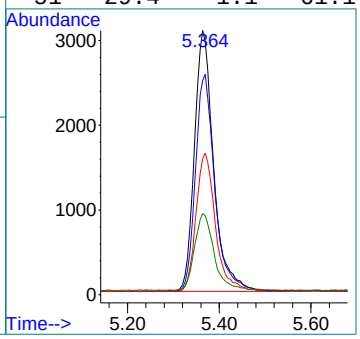


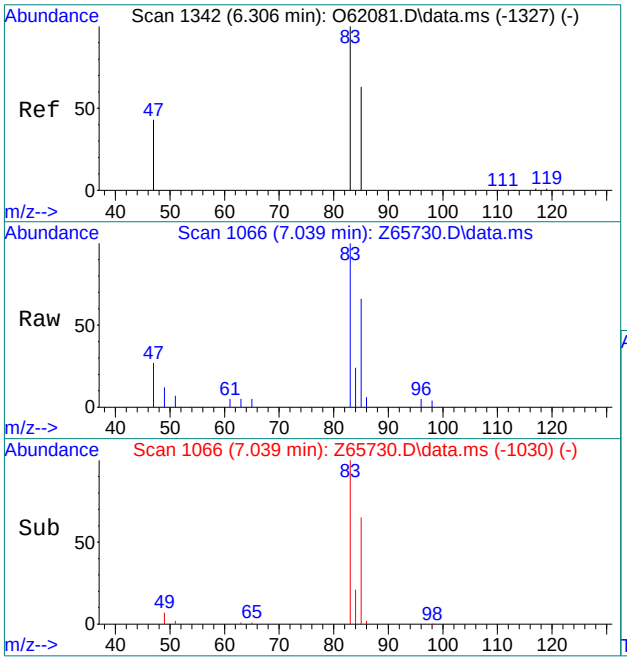


#5
Methylene Chloride
Concen: 1.38 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65730.D
Acq: 3 Sep 2021 2:52 pm

Tgt Ion: 49 Resp: 8975

Ion	Ratio	Lower	Upper
49	100		
84	80.8	13.9	73.9#
86	50.9	0.0	58.0
51	29.4	1.1	61.1

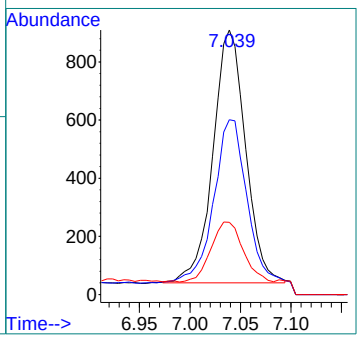




#9
Chloroform
Concen: 0.20 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65730.D
Acq: 3 Sep 2021 2:52 pm

Tgt Ion: 83 Resp: 1950

Ion	Ratio	Lower	Upper
83	100		
85	66.0	34.3	94.3
47	27.3	13.3	73.3



Manual Integration Approval Summary

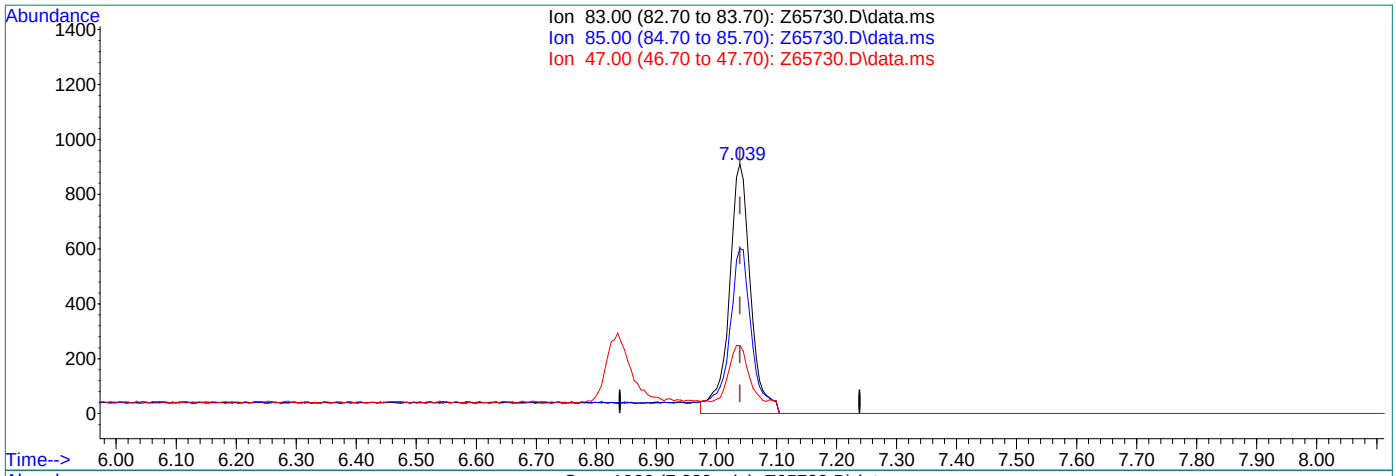
Sample Number: FA88608-1
Lab FileID: Z65730.D
Injection Time: 09/03/21 14:52
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

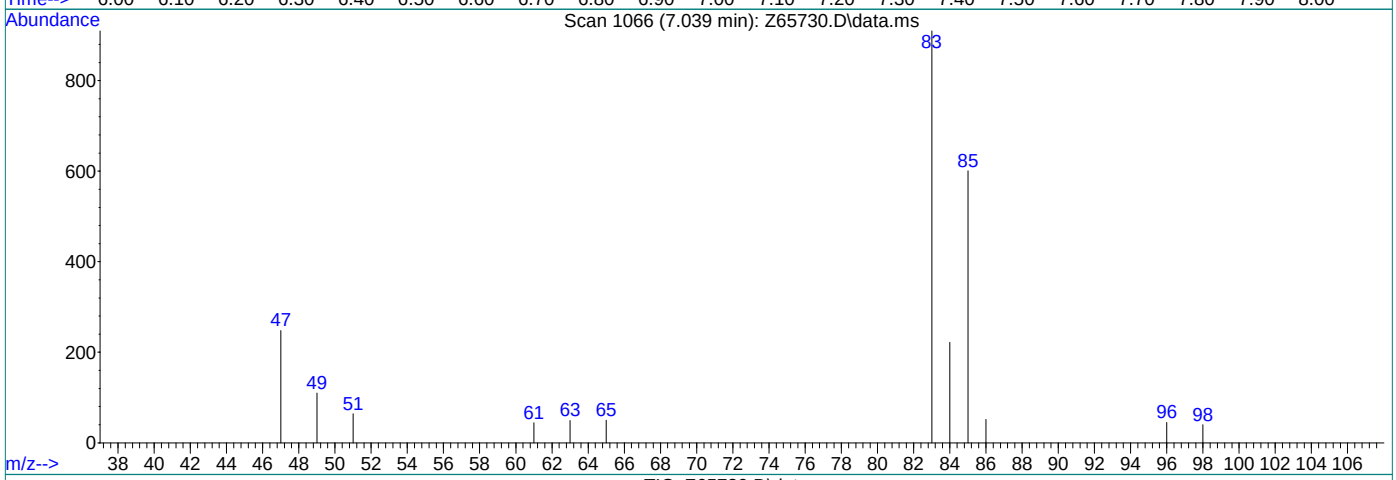
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65730.D
Acq On : 3 Sep 2021 2:52 pm
Operator : CHARLENG
Sample : FA88608-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:14:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65730.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.23ug/L

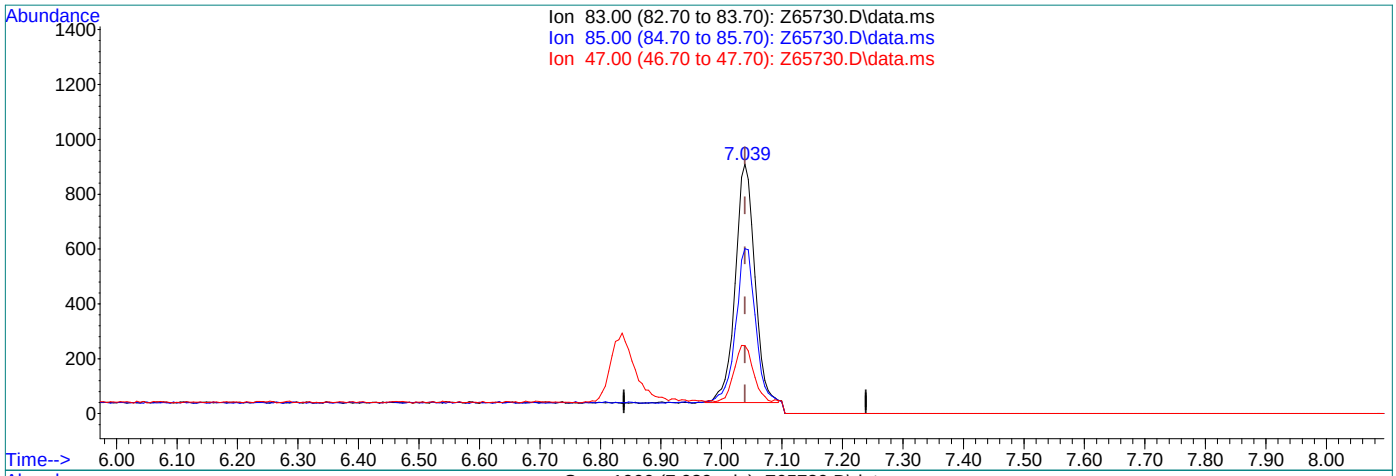
response 2277

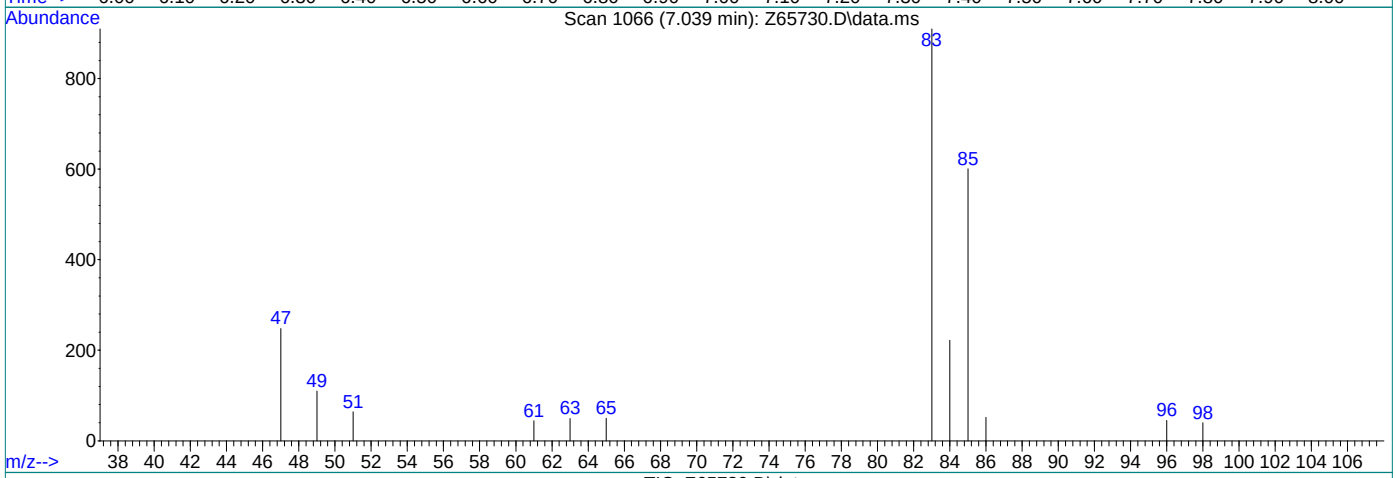
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.04
47.00	43.30	27.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65730.D
Acq On : 3 Sep 2021 2:52 pm
Operator : CHARLENG
Sample : FA88608-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 16:14:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65730.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.20ug/L m

response 1950

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.04
47.00	43.30	27.25
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65731.D
Acq On : 3 Sep 2021 3:12 pm
Operator : CHARLENG
Sample : FA88608-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 16:14:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

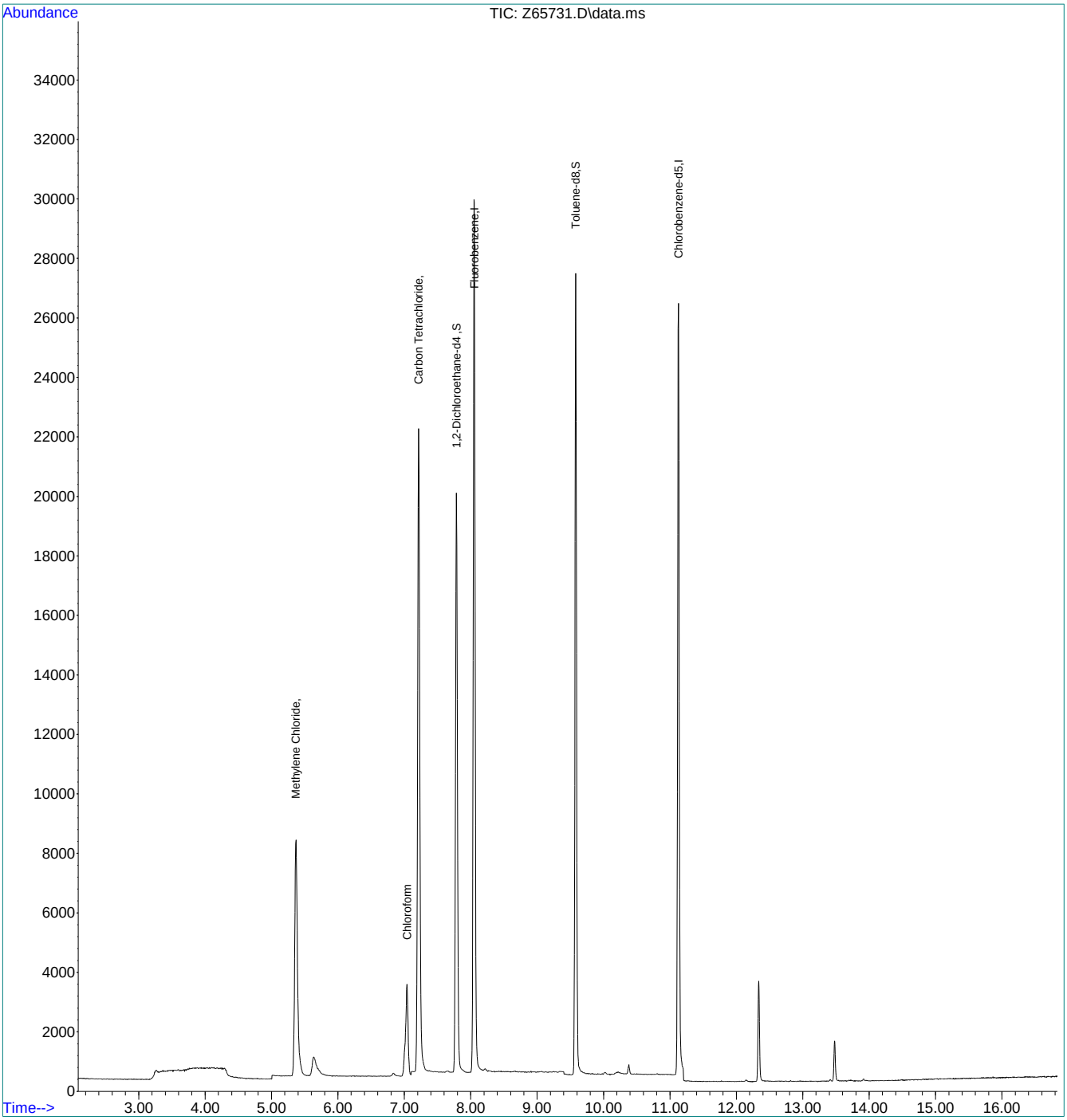
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	35539	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	26188	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19051	6.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 124.80%			
19) Toluene-d8	9.582	98	27505	5.10	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 102.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	7908	1.36	ug/L	# 63
9) Chloroform	7.039	83	3207m	0.36	ug/L	
10) Carbon Tetrachloride	7.213	117	18796	3.45	ug/L	95

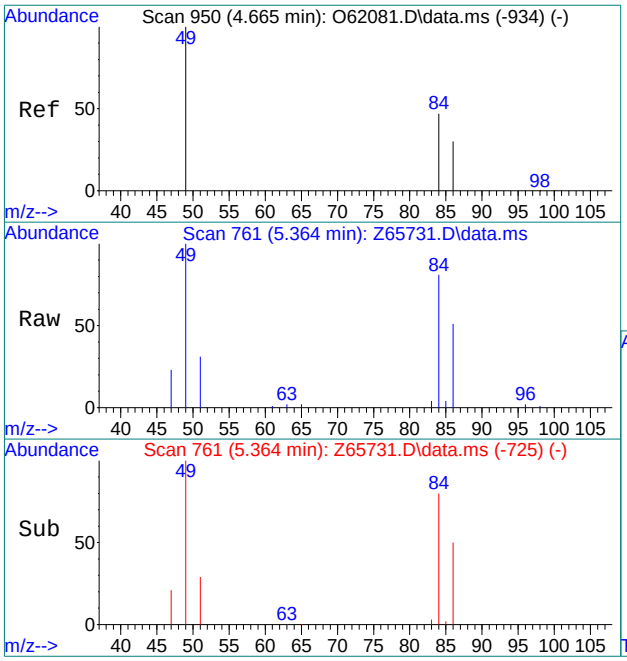
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65731.D
Acq On : 3 Sep 2021 3:12 pm
Operator : CHARLENG
Sample : FA88608-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 16:14:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

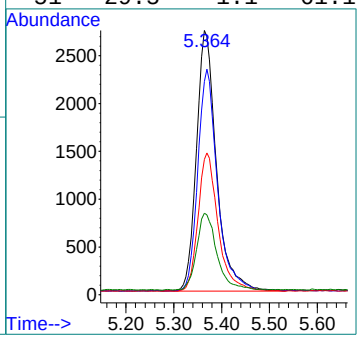


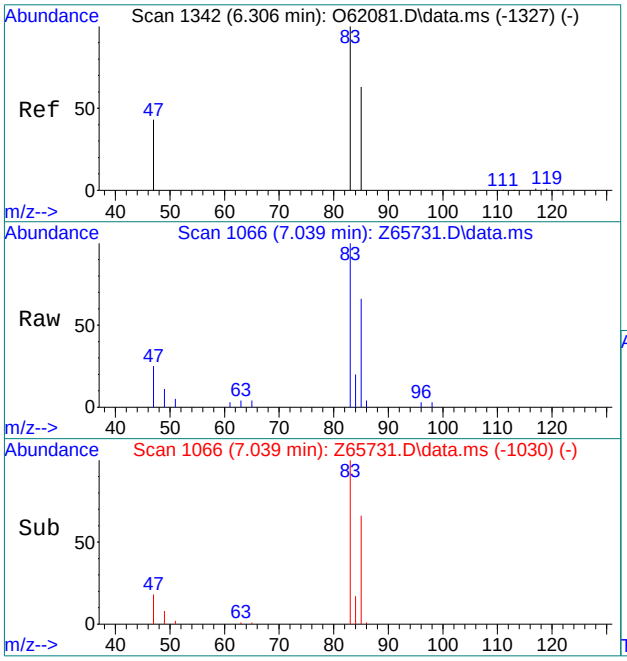


#5
Methylene Chloride
Concen: 1.36 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65731.D
Acq: 3 Sep 2021 3:12 pm

Tgt Ion: 49 Resp: 7908

Ion	Ratio	Lower	Upper
49	100		
84	80.3	13.9	73.9#
86	50.5	0.0	58.0
51	29.5	1.1	61.1

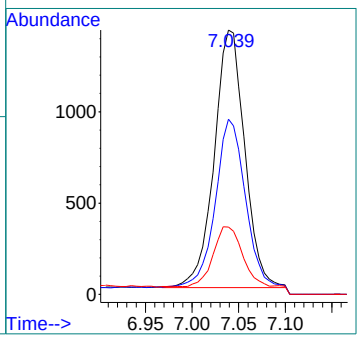


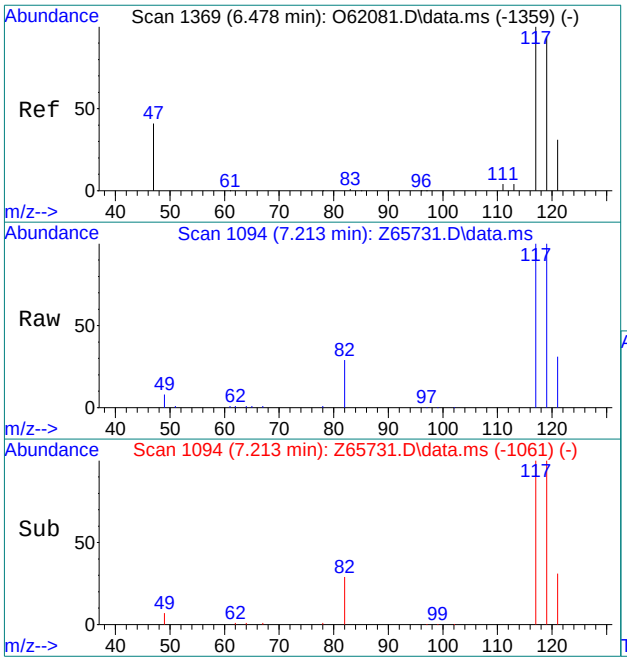


#9
Chloroform
Concen: 0.36 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65731.D
Acq: 3 Sep 2021 3:12 pm

Tgt Ion: 83 Resp: 3207

Ion	Ratio	Lower	Upper
83	100		
85	66.2	34.3	94.3
47	25.5	13.3	73.3

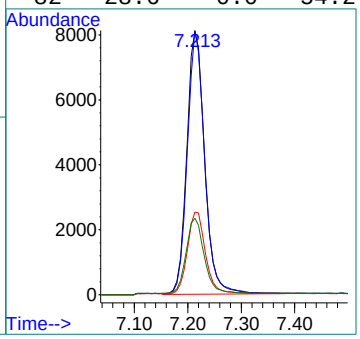




#10
Carbon Tetrachloride
Concen: 3.45 ug/L
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65731.D
Acq: 3 Sep 2021 3:12 pm

Tgt Ion:117 Resp: 18796

Ion	Ratio	Lower	Upper
117	100		
119	100.4	64.8	124.8
121	31.2	1.6	61.6
82	28.6	0.0	54.2



Manual Integration Approval Summary

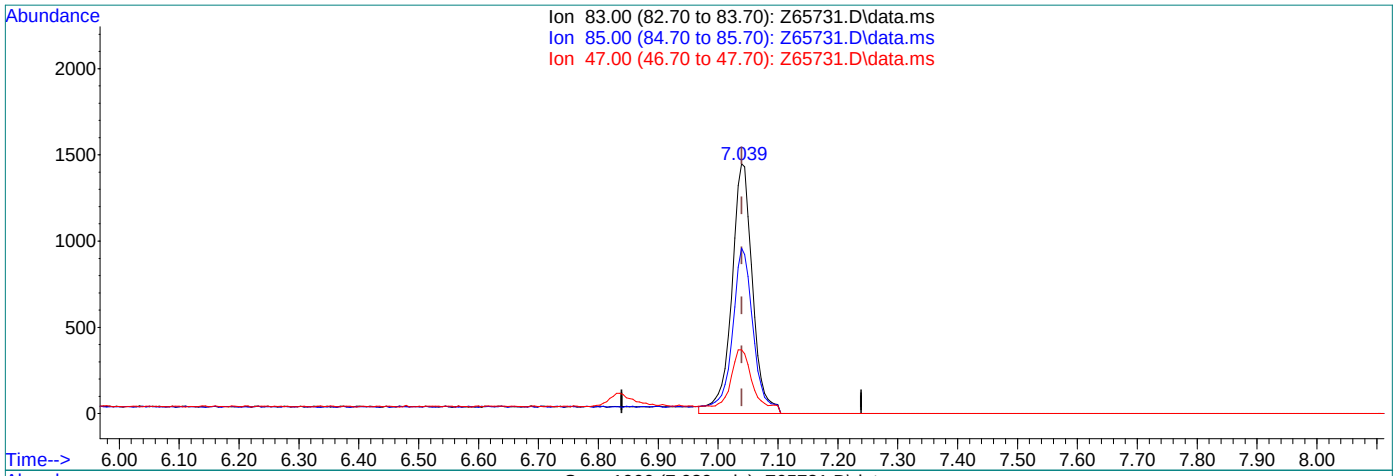
Sample Number: FA88608-2
Lab FileID: Z65731.D
Injection Time: 09/03/21 15:12
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

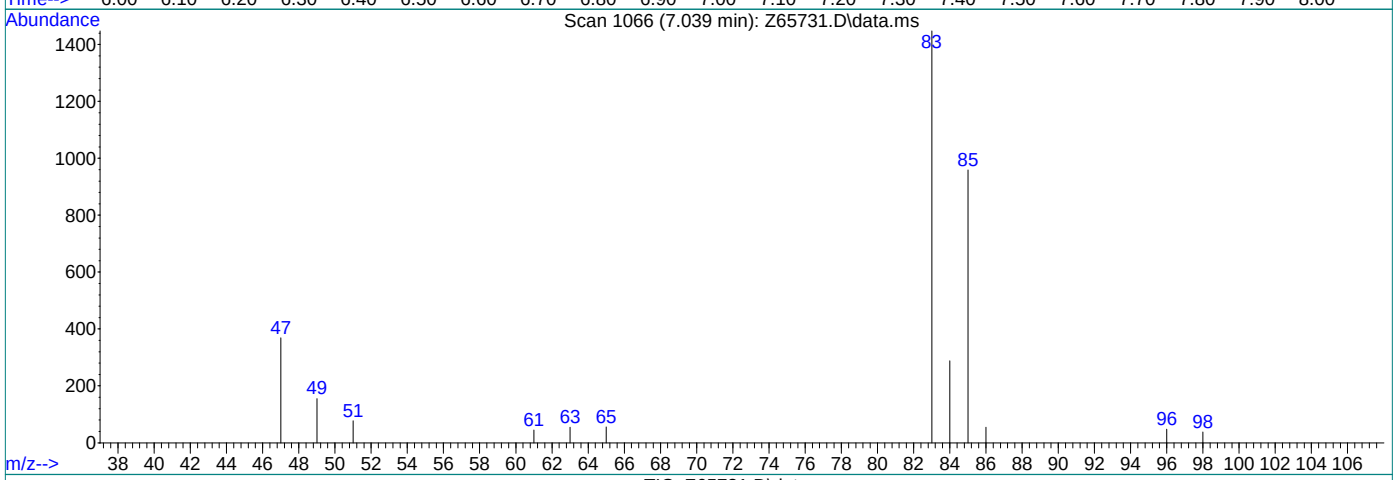
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65731.D
Acq On : 3 Sep 2021 3:12 pm
Operator : CHARLENG
Sample : FA88608-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 16:14:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65731.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.40ug/L

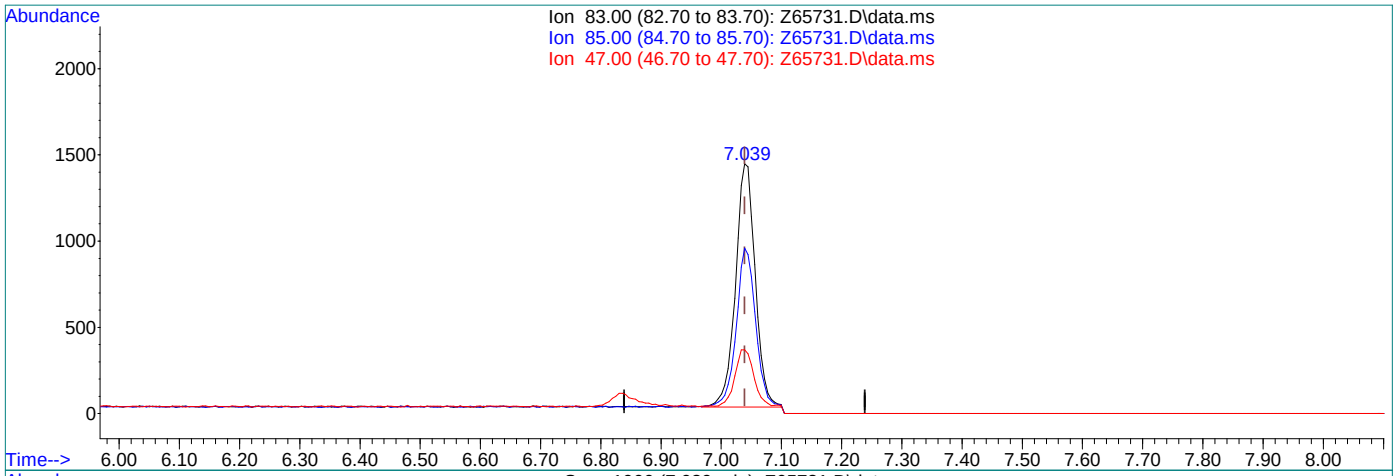
response 3540

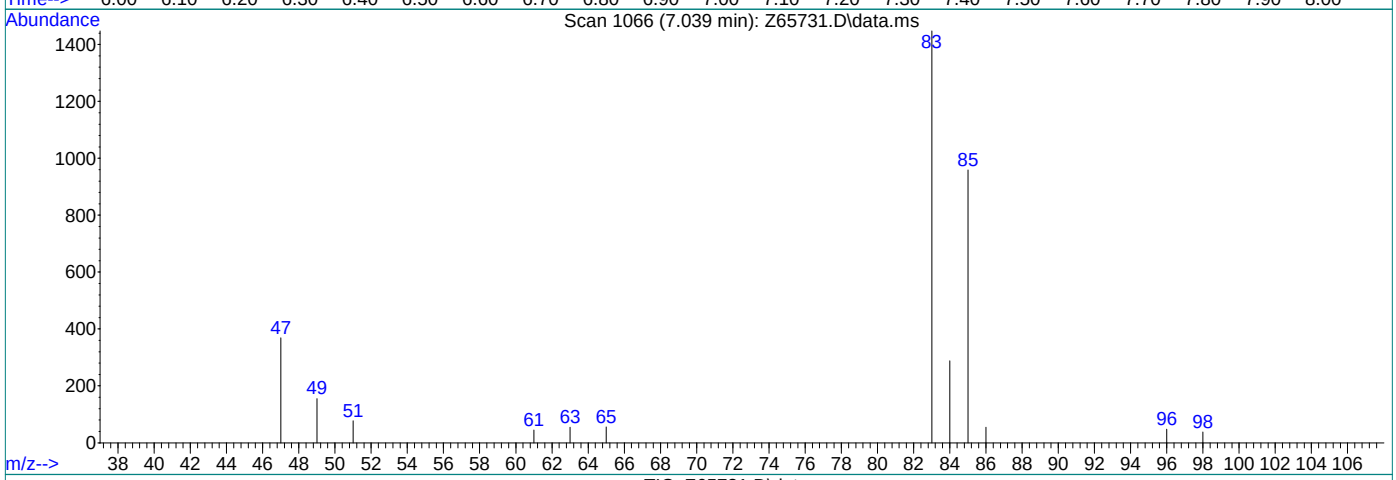
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.23
47.00	43.30	25.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65731.D
Acq On : 3 Sep 2021 3:12 pm
Operator : CHARLENG
Sample : FA88608-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 16:14:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65731.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.36ug/L m

response 3207

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.23
47.00	43.30	25.48
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64985.D
Acq On : 4 Sep 2021 6:16 pm
Operator : CHARLENG
Sample : FA88608-3 Inst : MSVOA12
Misc : MS49713,VO2547,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 08:41:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

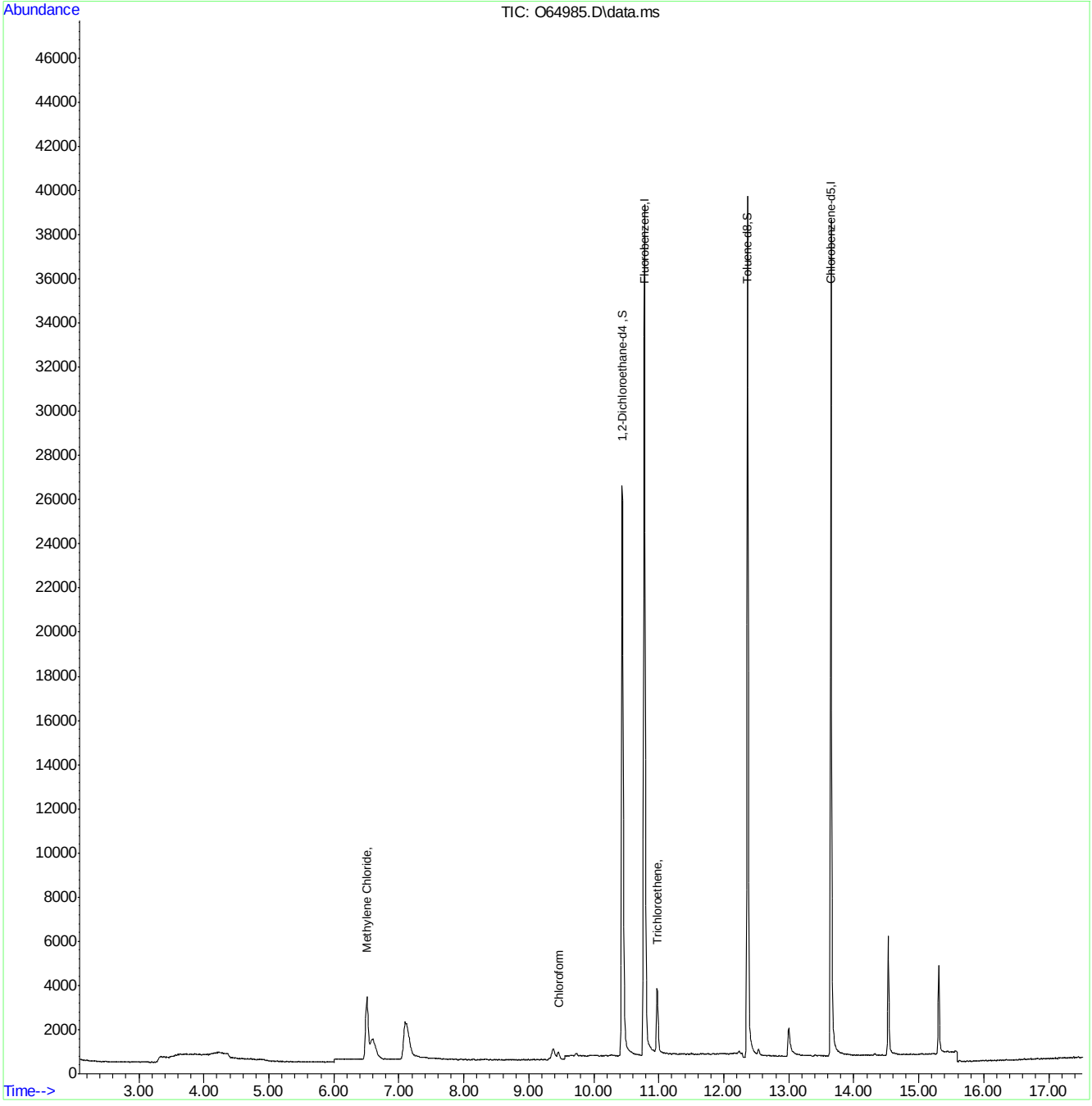
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45106	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32719	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25294	6.58	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 131.60%#			
19) Toluene-d8	12.367	98	34737	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4781	0.07	ug/L	91
9) Chloroform	9.456	83	353m	0.03	ug/L	
15) Trichloroethene	10.974	95	1465	0.25	ug/L	95

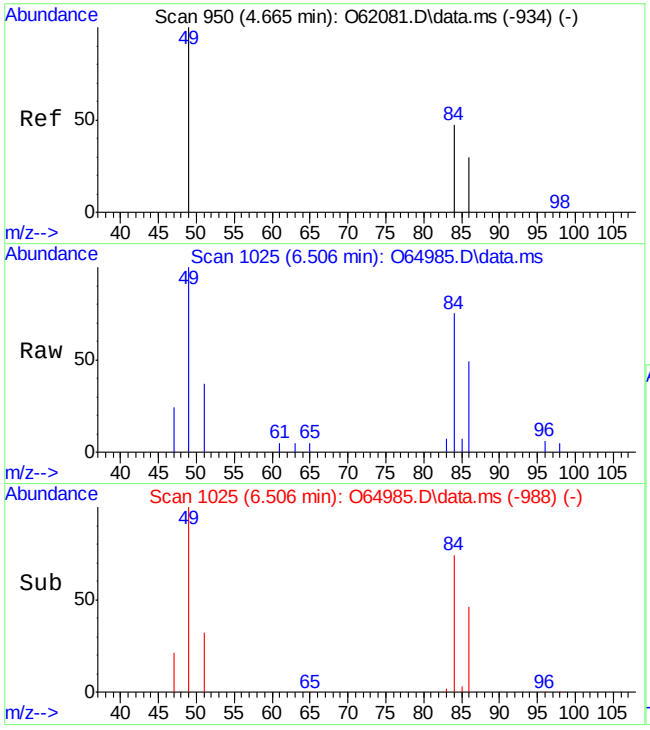
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64985.D
Acq On : 4 Sep 2021 6:16 pm
Operator : CHARLENG
Sample : FA88608-3 Inst : MSVOA12
Misc : MS49713,VO2547,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 08:41:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

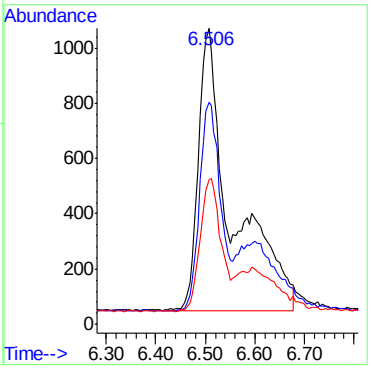


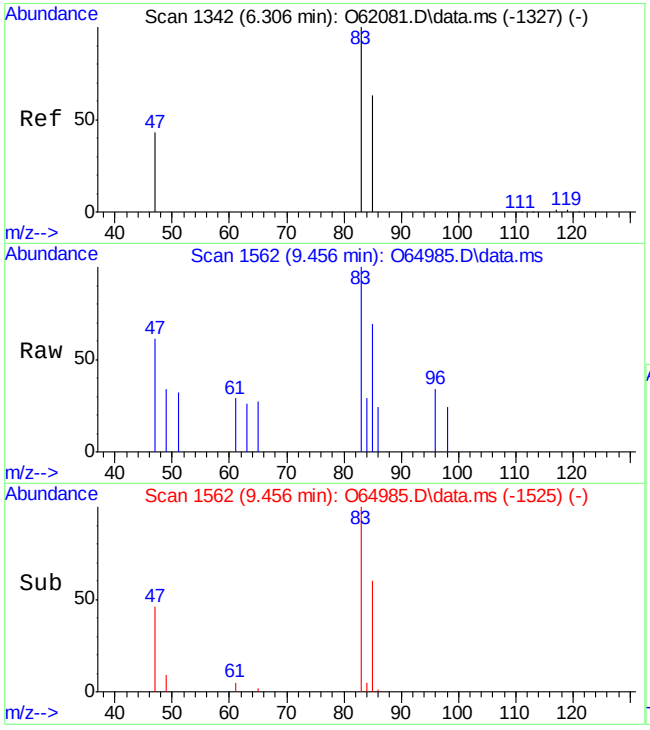


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64985.D
Acq: 4 Sep 2021 6:16 pm

Tgt Ion: 49 Resp: 4781

Ion	Ratio	Lower	Upper
49	100		
84	73.8	35.5	95.5
86	46.6	12.8	72.8

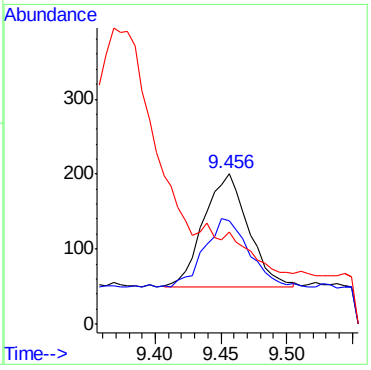


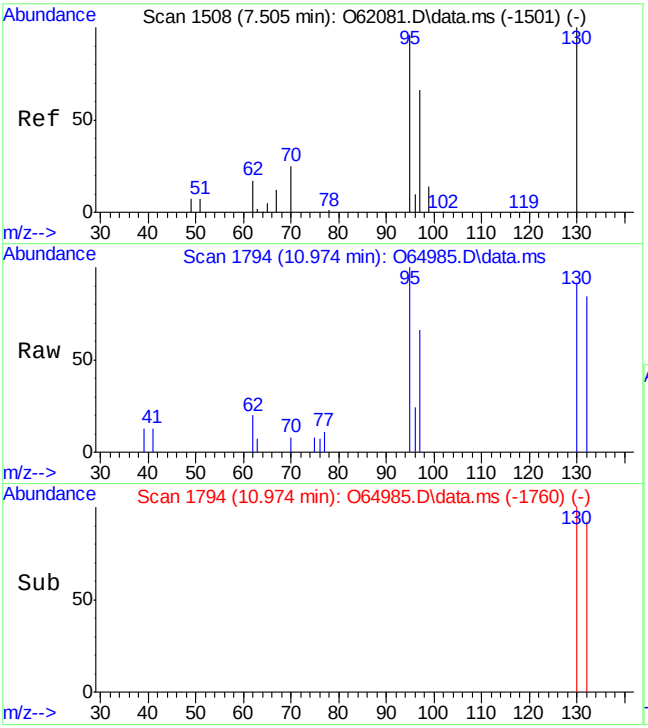


#9
Chloroform
Concen: 0.03 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64985.D
Acq: 4 Sep 2021 6:16 pm

Tgt Ion: 83 Resp: 353

Ion	Ratio	Lower	Upper
83	100		
85	68.7	33.7	93.7
47	61.2	5.1	65.1

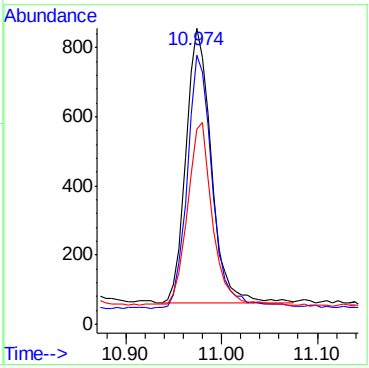




#15
Trichloroethene
Concen: 0.25 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64985.D
Acq: 4 Sep 2021 6:16 pm

Tgt Ion: 95 Resp: 1465

Ion	Ratio	Lower	Upper
95	100		
130	91.7	69.9	129.9
97	64.0	34.0	94.0



Manual Integration Approval Summary

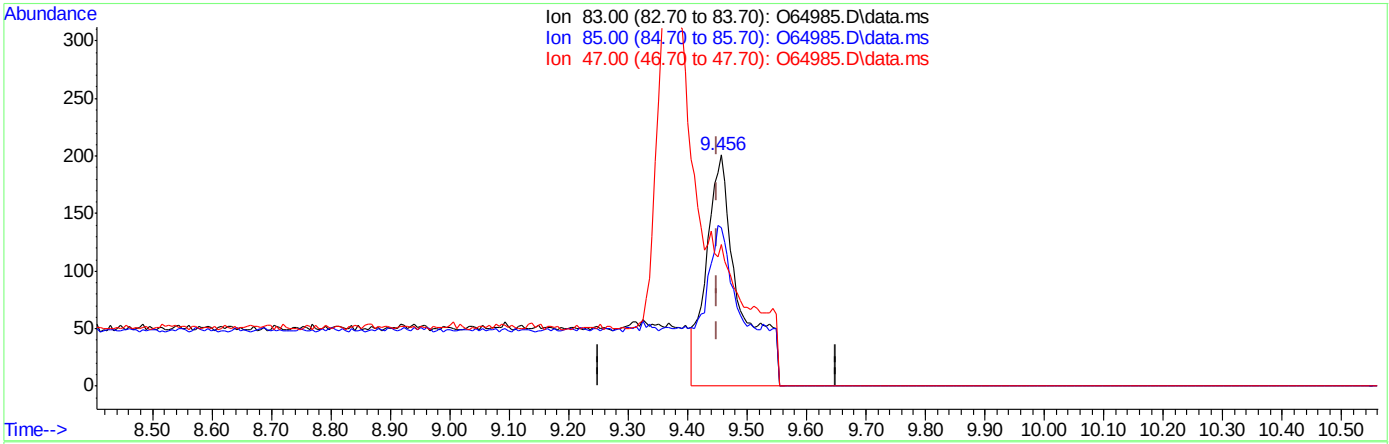
Sample Number: FA88608-3
Lab FileID: O64985.D
Injection Time: 09/04/21 18:16
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

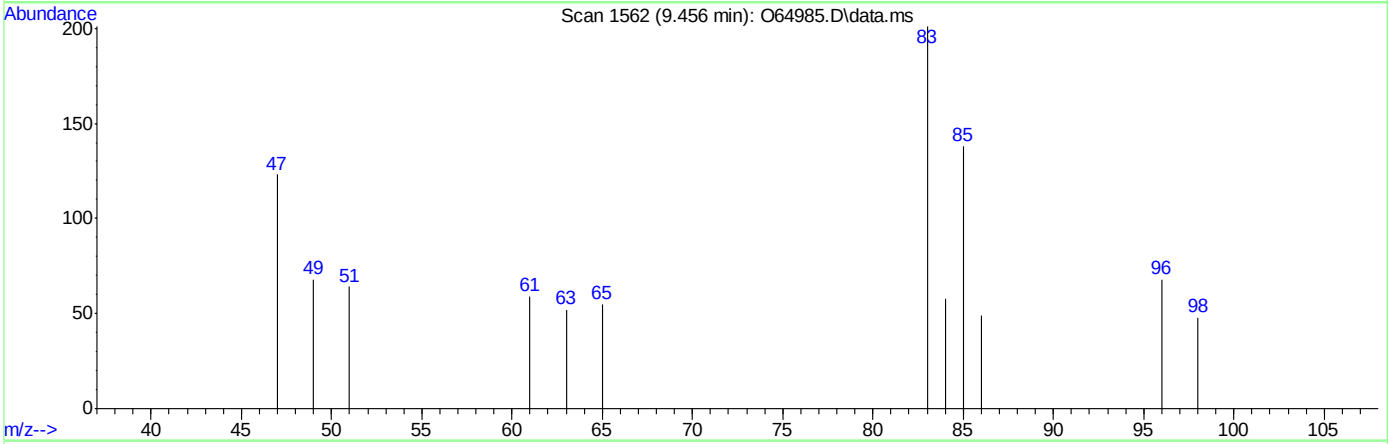
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64985.D
Acq On : 4 Sep 2021 6:16 pm
Operator : CHARLENG
Sample : FA88608-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 07:52:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64985.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.07ug/L

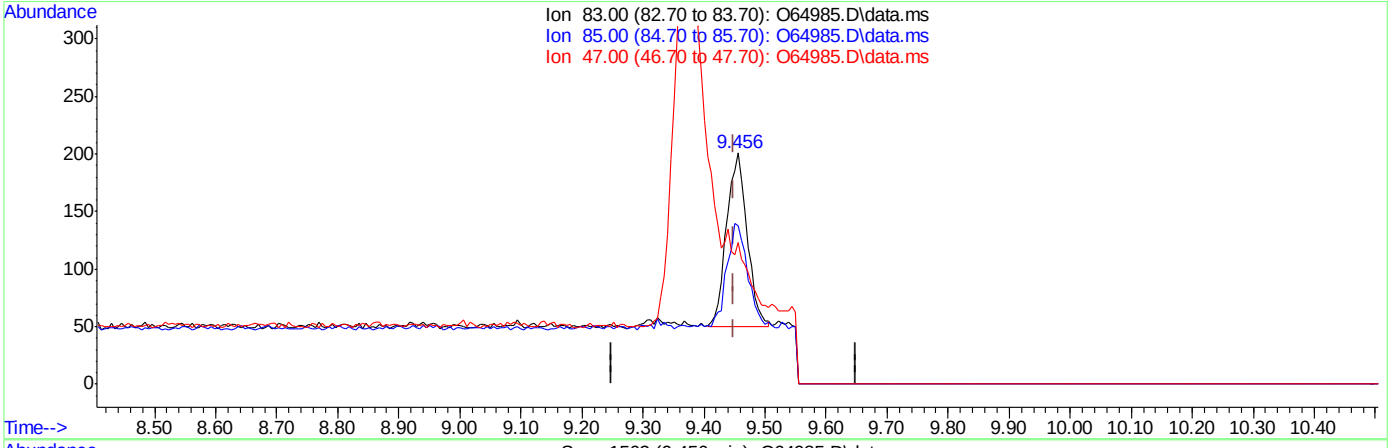
response 794

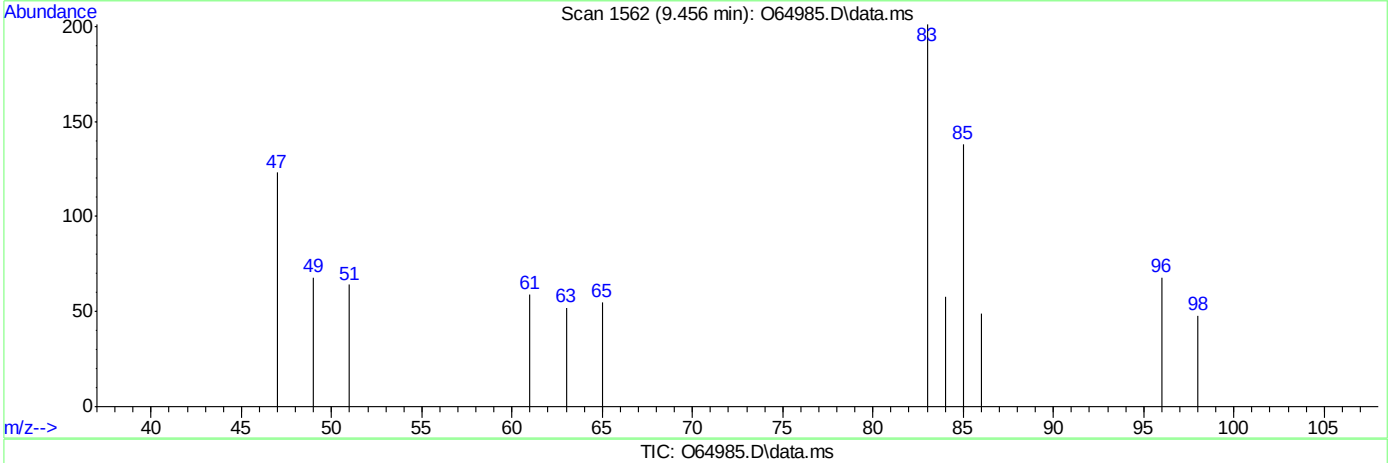
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.66
47.00	35.10	61.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64985.D
Acq On : 4 Sep 2021 6:16 pm
Operator : CHARLENG
Sample : FA88608-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 07 07:52:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64985.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.03ug/L m

response 353

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.66
47.00	35.10	61.19
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

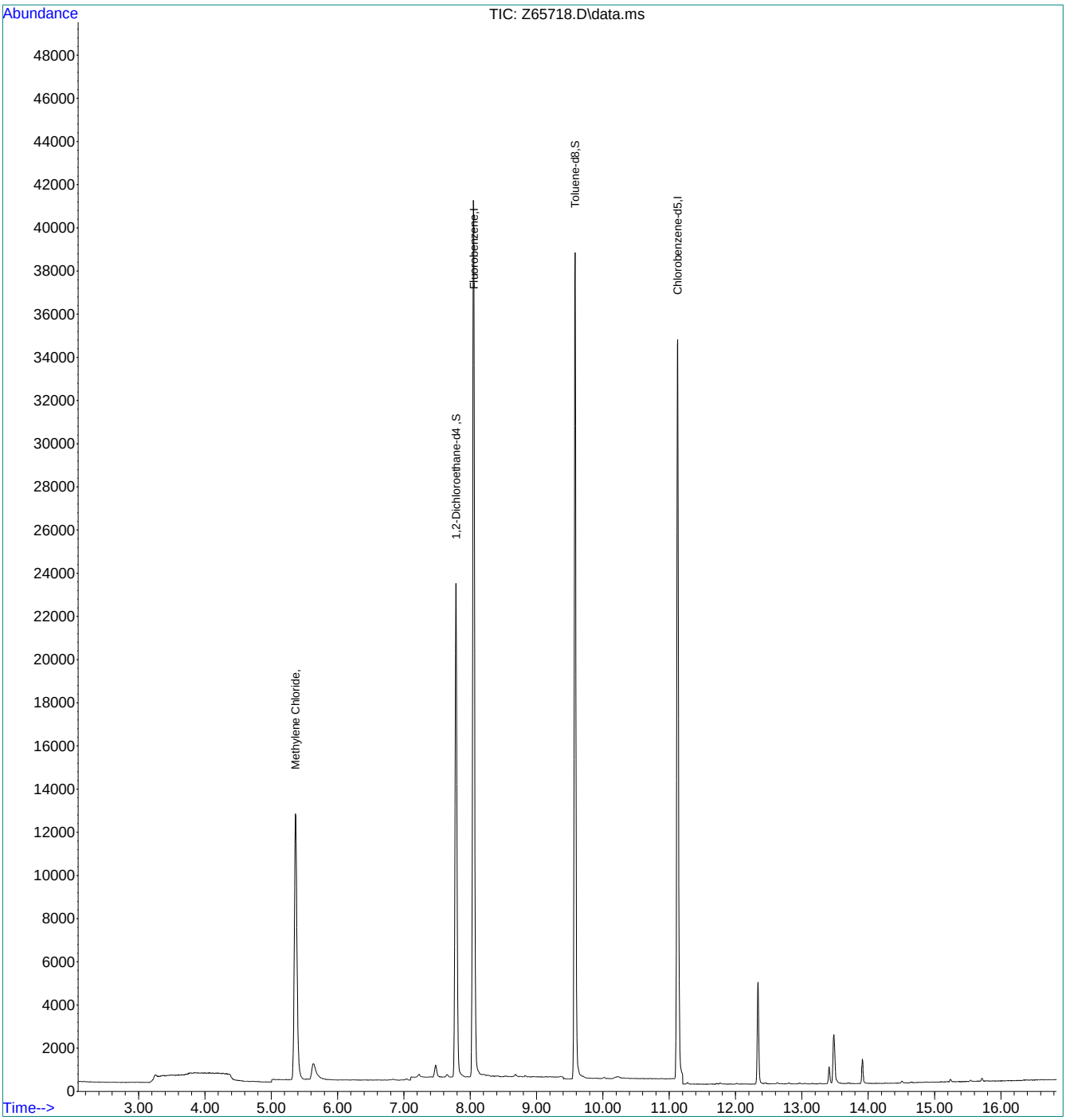
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	49294	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	34756	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	22199	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	9.582	98	39126	5.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	11597	1.44	ug/L	# 62

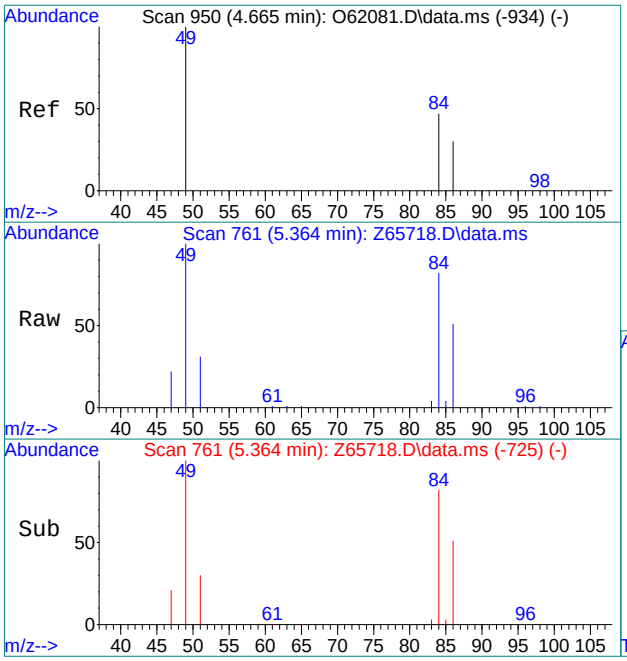
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

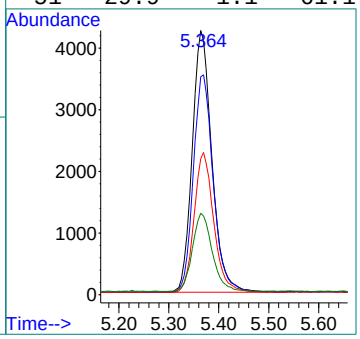




#5
Methylene Chloride
Concen: 1.44 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65718.D
Acq: 3 Sep 2021 10:44 am

Tgt Ion: 49 Resp: 11597

Ion	Ratio	Lower	Upper
49	100		
84	82.3	13.9	73.9#
86	51.0	0.0	58.0
51	29.9	1.1	61.1



Manual Integrations APPROVED
(compounds with "m" flag)
Chelsea VanDenBurg
09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:27:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

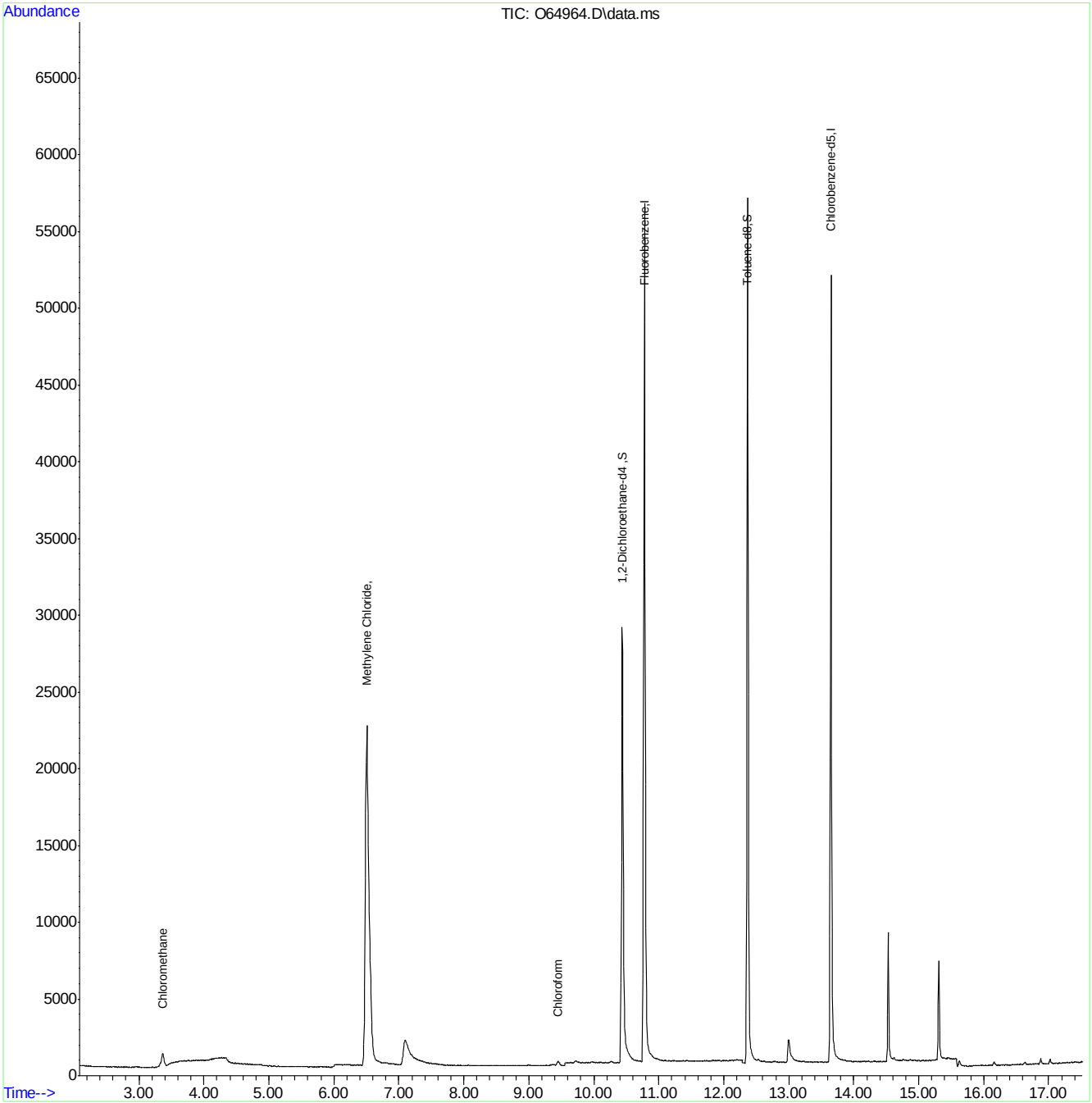
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65441	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	44186	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	29093	5.22	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.40%			
19) Toluene-d8	12.367	98	50212	5.17	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 103.40%			
Target Compounds						Qvalue
3) Chloromethane	3.368	50	2217	0.23	ug/L	84
5) Methylene Chloride	6.501	49	31844	0.33	ug/L	92
9) Chloroform	9.445	83	315m	0.02	ug/L	

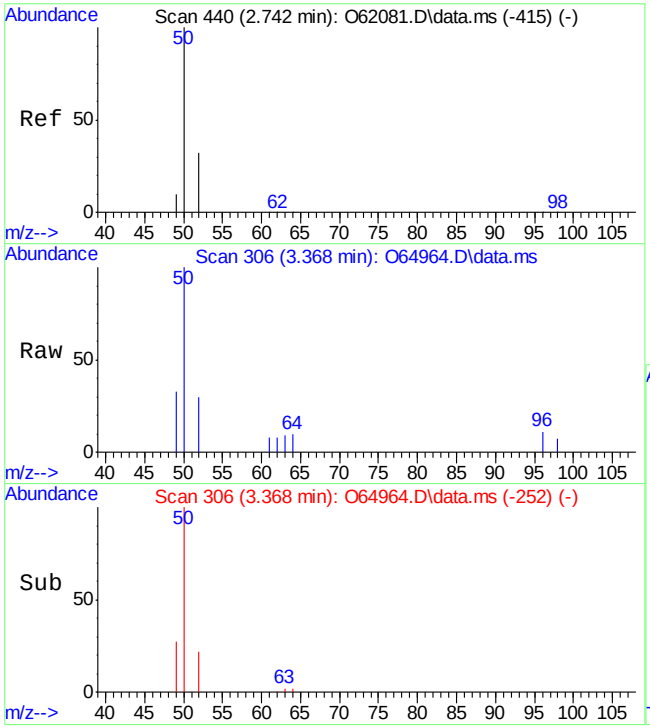
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:27:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

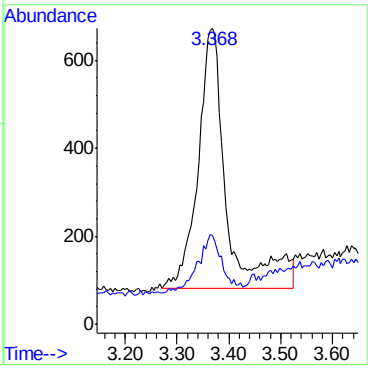


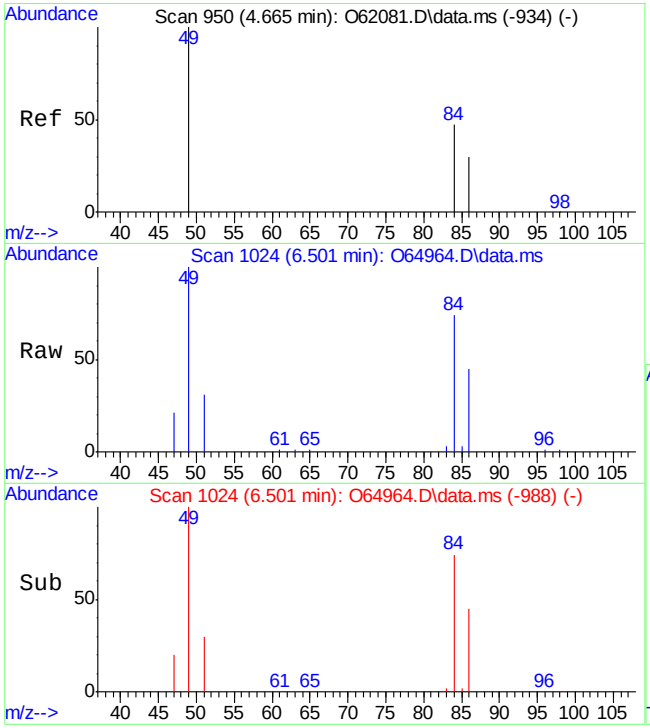


#3
Chloromethane
Concen: 0.23 ug/L
RT: 3.368 min Scan# 306
Delta R.T. 0.025 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 50 Resp: 2217

Ion	Ratio	Lower	Upper
50	100		
52	22.2	1.0	61.0

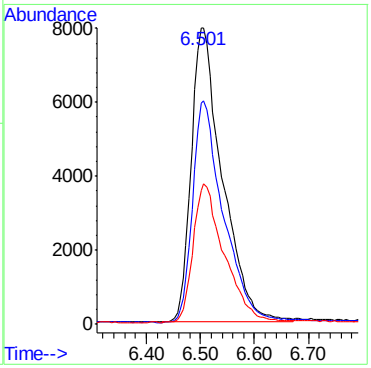


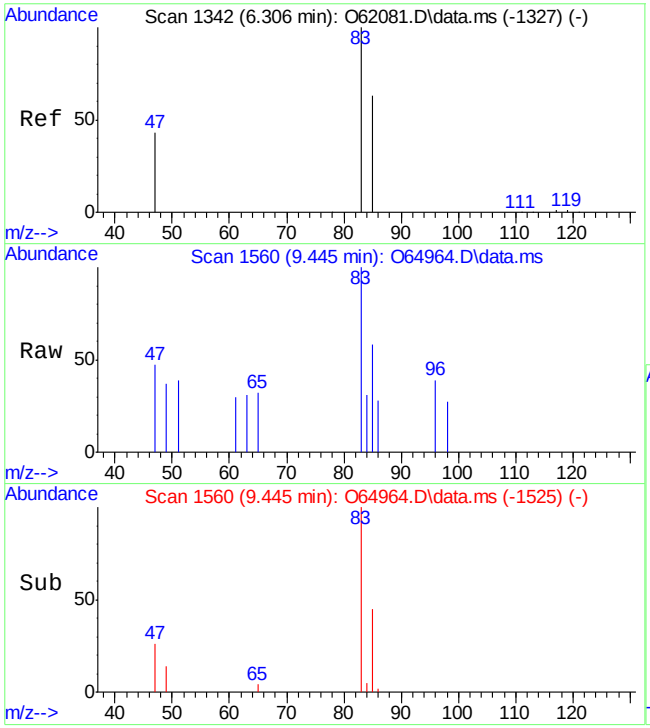


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 49 Resp: 31844

Ion	Ratio	Lower	Upper
49	100		
84	74.4	35.5	95.5
86	44.6	12.8	72.8

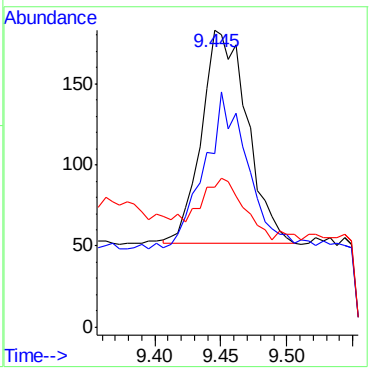




#9
Chloroform
Concen: 0.02 ug/L m
RT: 9.445 min Scan# 1560
Delta R.T. -0.005 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 83 Resp: 315

Ion	Ratio	Lower	Upper
83	100		
85	58.5	33.7	93.7
47	47.0	5.1	65.1



Manual Integration Approval Summary

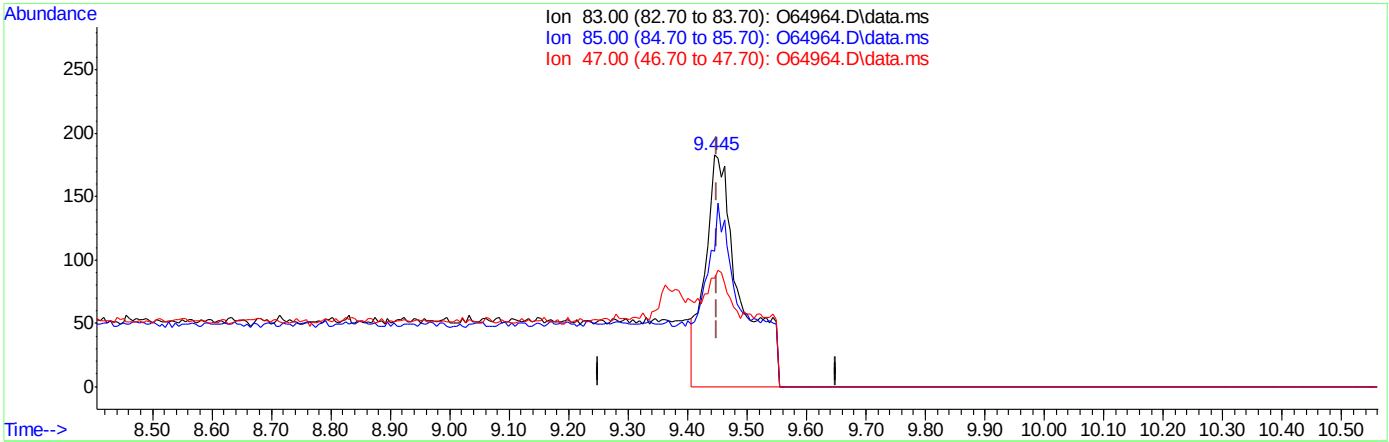
Sample Number:	VO2547-MB	**Method:**	SW846 8260B BY SIM
Lab FileID:	O64964.D	**Analyst approved:**	09/07/21 09:04 Charlene Gonzalez
Injection Time:	09/04/21 10:09	**Supervisor approved:**	09/08/21 14:26 Chelsea VanDenBurg

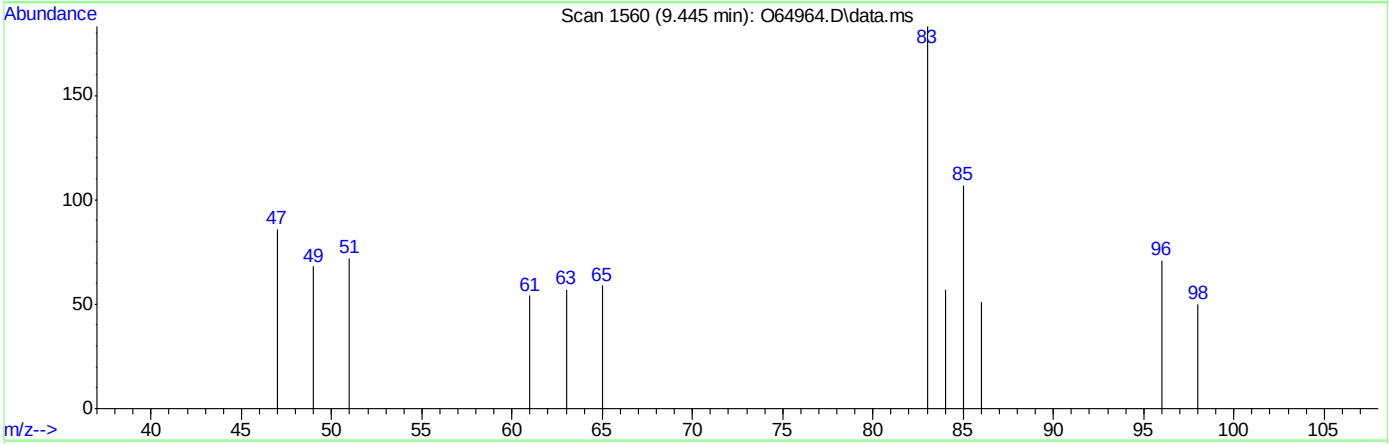
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:26:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64964.D\data.ms

(9) Chloroform

9.445min (-0.005) 0.05ug/L

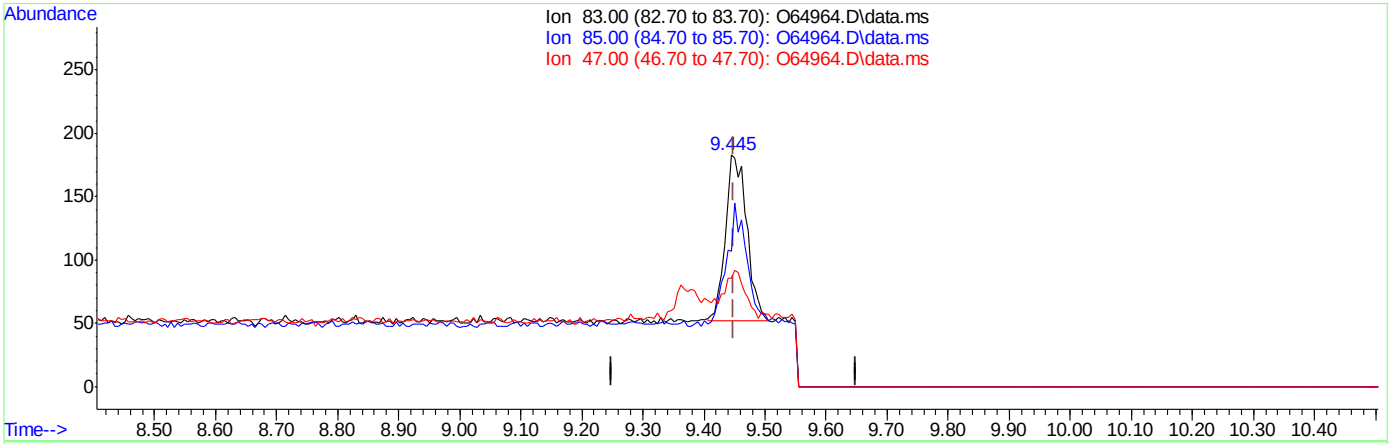
response 769

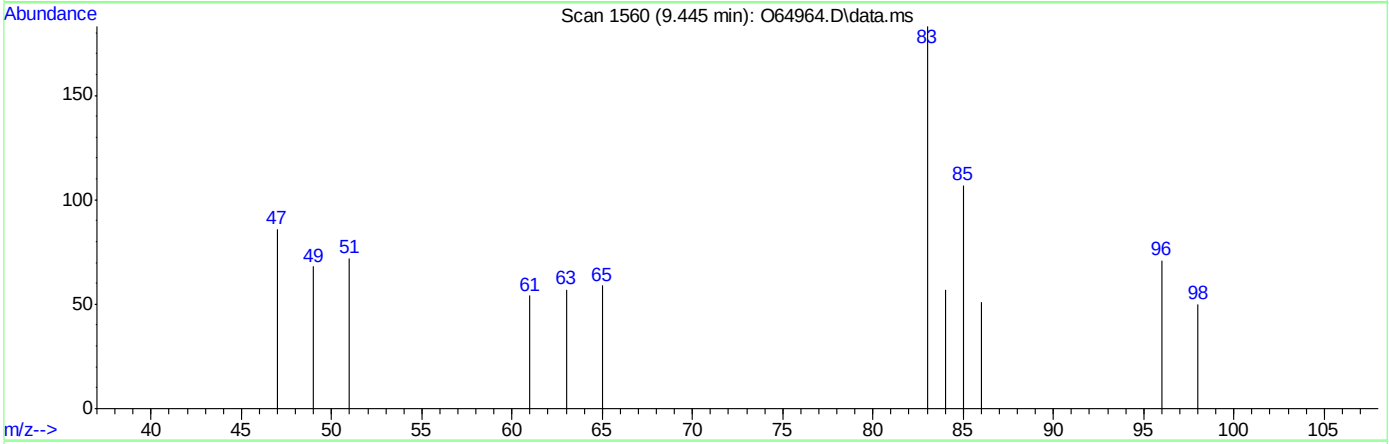
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	58.47
47.00	35.10	46.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:26:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64964.D\data.ms

(9) Chloroform

9.445min (-0.005) 0.02ug/L m

response 315

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	58.47
47.00	35.10	46.99
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

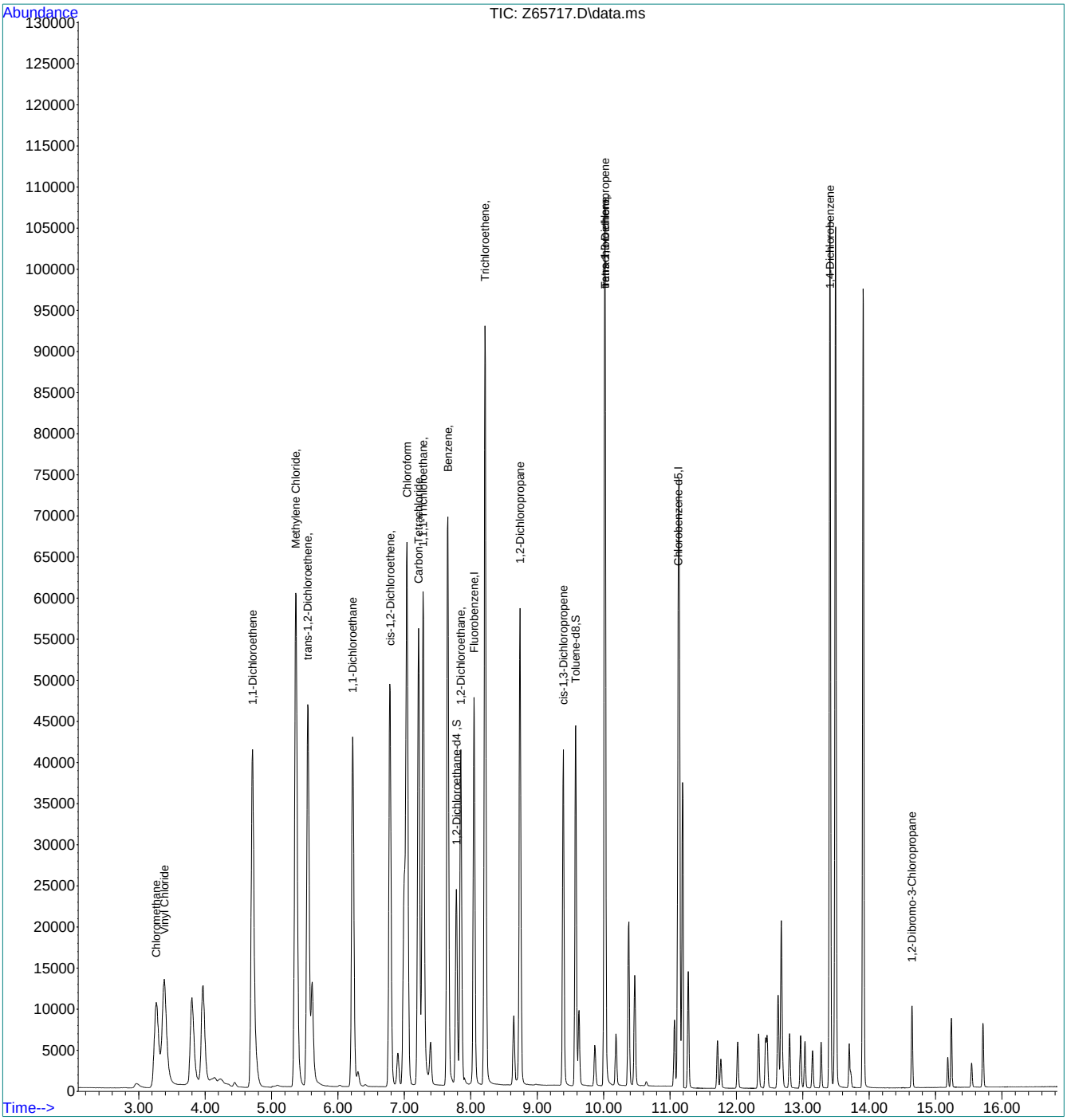
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	56138	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44608	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	22654	4.70	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.00%			
19) Toluene-d8	9.576	98	44678	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	39920	4.32	ug/L	97
3) Chloromethane	3.263	50	36326	4.09	ug/L	98
4) 1,1-Dichloroethene	4.713	61	51442	5.56	ug/L	96
5) Methylene Chloride	5.364	49	56293	6.31	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	46160	5.39	ug/L	82
7) 1,1-Dichloroethane	6.221	63	60084	5.39	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	32101	5.20	ug/L #	72
9) Chloroform	7.039	83	69706	5.02	ug/L	87
10) Carbon Tetrachloride	7.213	117	47633	5.54	ug/L	96
11) 1,1,1-Trichloroethane	7.281	97	56221	5.30	ug/L	89
12) Benzene	7.655	78	118144	5.26	ug/L	78
14) 1,2-Dichloroethane	7.851	62	41494	4.78	ug/L	85
15) Trichloroethene	8.214	95	34019	5.30	ug/L	95
16) 1,2-Dichloropropane	8.742	63	29547	5.06	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	34710	4.61	ug/L #	68
20) trans-1,3-Dichloropropene	10.022	75	33070	5.02	ug/L #	72
21) Tetrachloroethene	10.022	166	31164	5.23	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	64187	5.37	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3808	4.27	ug/L #	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64963.D
Acq On : 4 Sep 2021 9:46 am
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 10:12:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

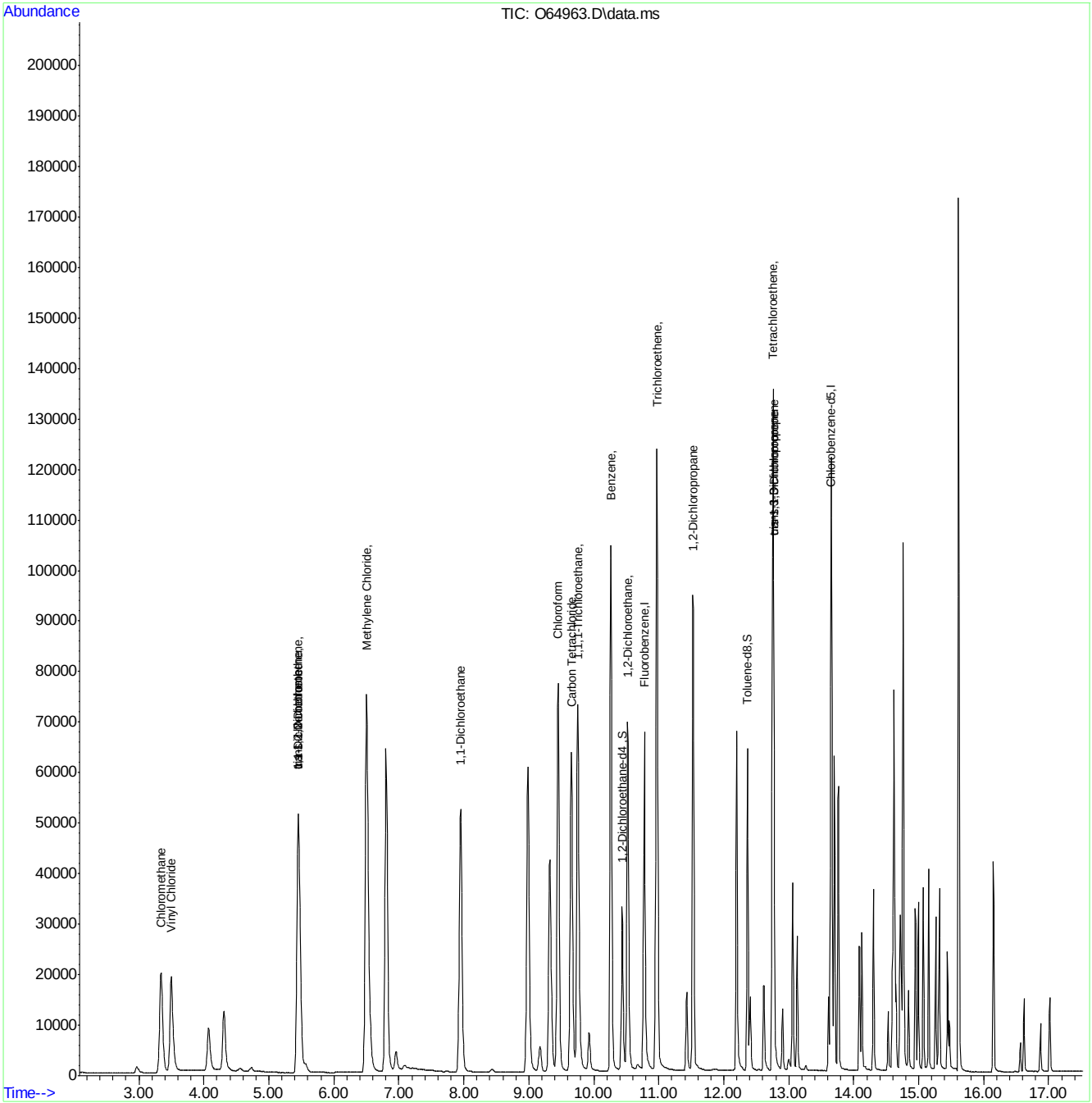
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	74713	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	50924	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29576	4.65	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%				
19) Toluene-d8	12.367	98	56625	5.06	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	40786	4.46	ug/L		99
3) Chloromethane	3.339	50	47335	4.40	ug/L		97
4) 1,1-Dichloroethene	5.452	61	77553	5.33	ug/L		92
5) Methylene Chloride	6.501	49	90874	0.82	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	77553	5.33	ug/L		85
7) 1,1-Dichloroethane	7.951	63	90459	5.28	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	44041	5.35	ug/L	#	76
9) Chloroform	9.450	83	92247	5.31	ug/L		93
10) Carbon Tetrachloride	9.657	117	60053	5.30	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	73781	5.31	ug/L		99
12) Benzene	10.267	78	169485	5.20	ug/L		90
14) 1,2-Dichloroethane	10.519	62	72636	4.82	ug/L		92
15) Trichloroethene	10.974	95	52168	5.32	ug/L		95
16) 1,2-Dichloropropane	11.525	63	46648	5.11	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	55950	5.52	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	55950	5.50	ug/L		87
21) Tetrachloroethene	12.752	166	42351	5.38	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64963.D
Acq On : 4 Sep 2021 9:46 am
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 10:12:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

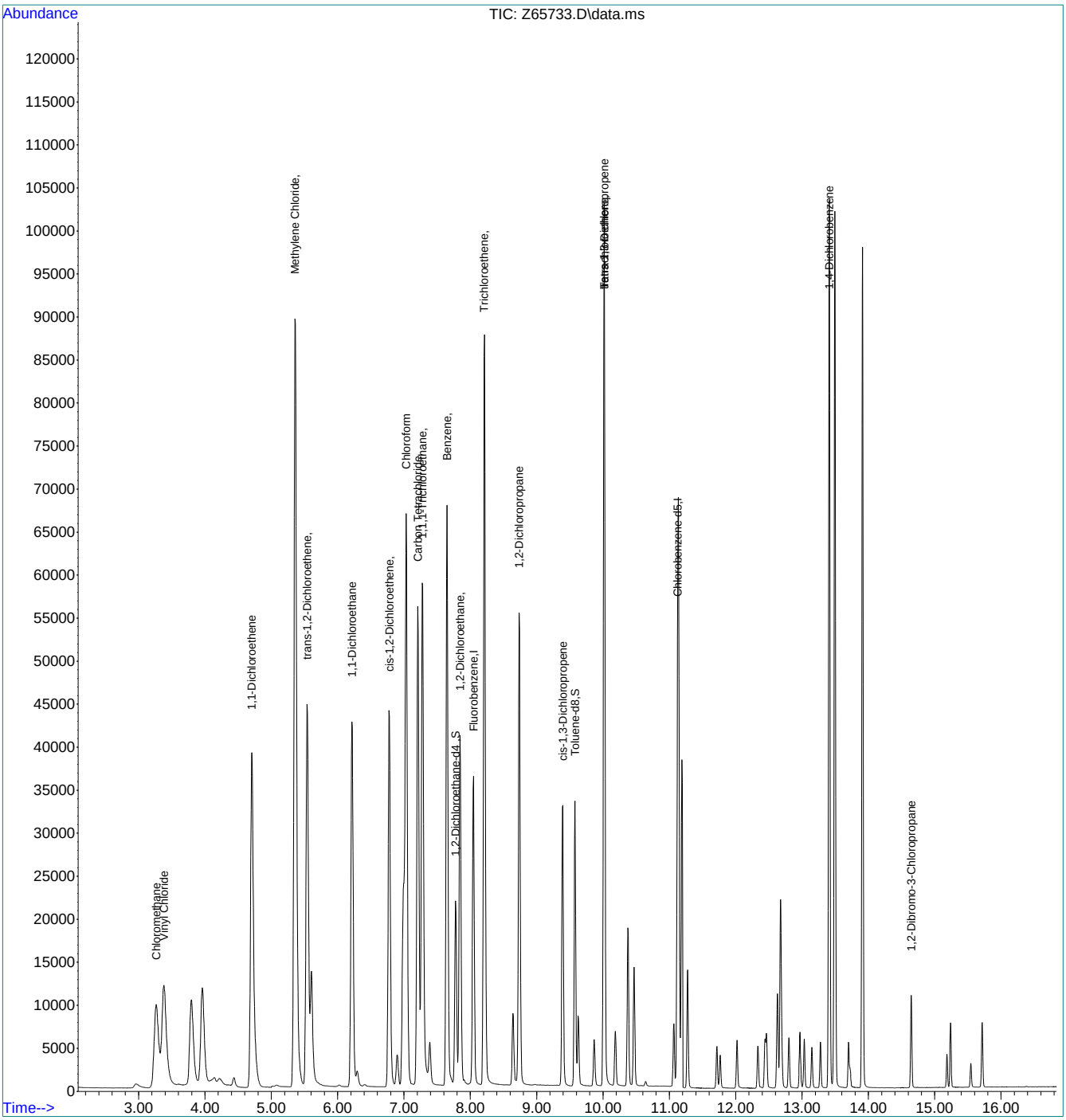
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	42576	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37557	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	20296	5.55	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.00%			
19) Toluene-d8	9.576	98	32739	4.23	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 84.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	36385	5.19	ug/L	97
3) Chloromethane	3.267	50	34867	5.22	ug/L	98
4) 1,1-Dichloroethene	4.704	61	48377	6.90	ug/L	96
5) Methylene Chloride	5.358	49	82703	12.69	ug/L #	62
6) trans-1,2-Dichloroethene	5.539	61	43001	6.62	ug/L	79
7) 1,1-Dichloroethane	6.215	63	58781	6.96	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	28083	6.00	ug/L #	71
9) Chloroform	7.033	83	68453	6.50	ug/L	87
10) Carbon Tetrachloride	7.207	117	46770	7.17	ug/L	98
11) 1,1,1-Trichloroethane	7.275	97	55113	6.85	ug/L	89
12) Benzene	7.648	78	109688	6.44	ug/L	79
14) 1,2-Dichloroethane	7.845	62	42015	6.38	ug/L	86
15) Trichloroethene	8.208	95	32082	6.59	ug/L	97
16) 1,2-Dichloropropane	8.736	63	27566	6.23	ug/L	88
17) cis-1,3-Dichloropropene	9.394	75	28565	4.98	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	29356	5.27	ug/L #	72
21) Tetrachloroethene	10.017	166	29464	5.87	ug/L #	91
22) 1,4-Dichlorobenzene	13.410	146	62259	6.19	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4216	5.60	ug/L #	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

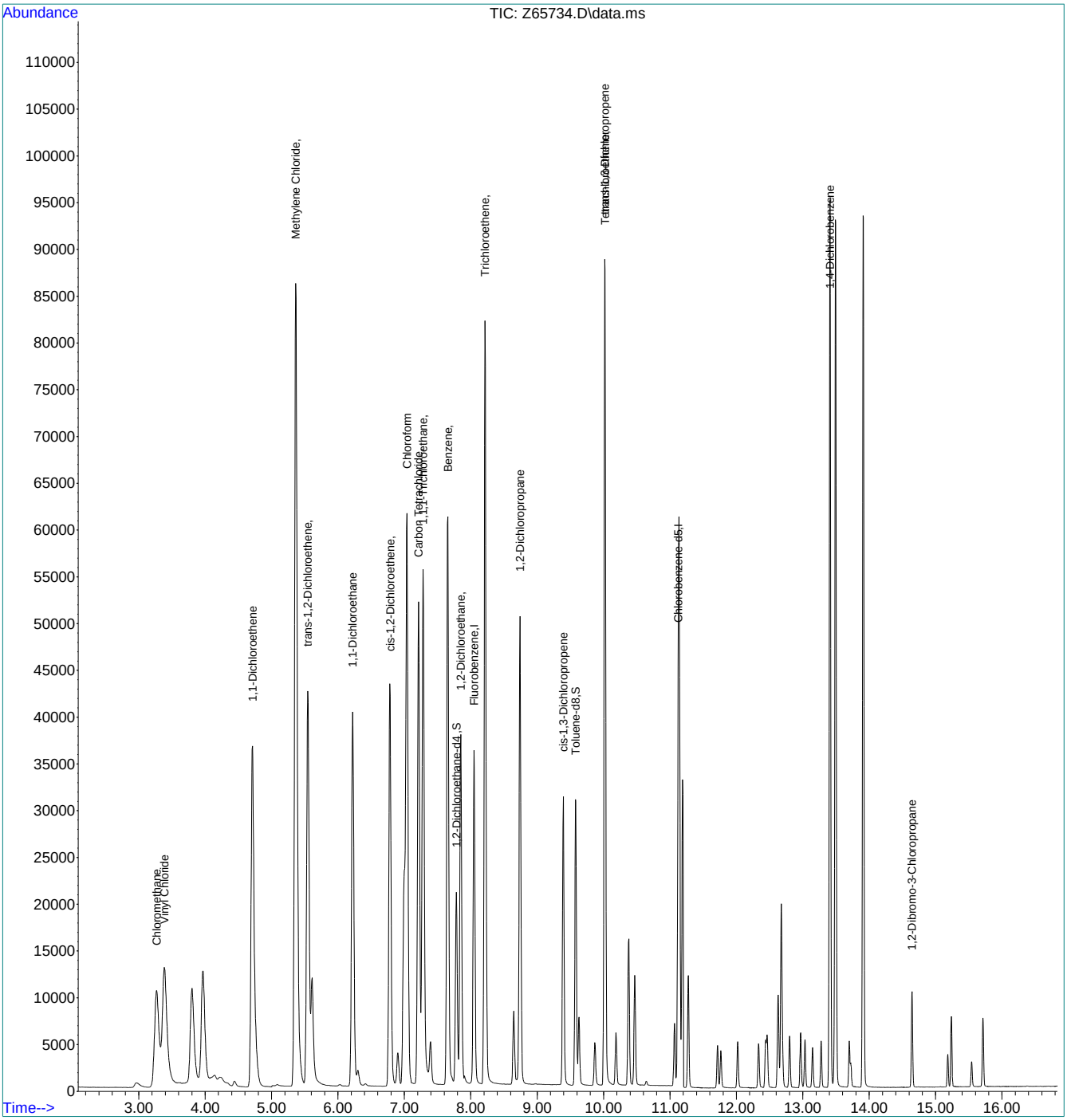
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	42339	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	34132	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	19533	5.37	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.40%				
19) Toluene-d8	9.576	98	31522	4.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	39747	5.71	ug/L		96
3) Chloromethane	3.272	50	37040	5.59	ug/L		99
4) 1,1-Dichloroethene	4.713	61	47396	6.80	ug/L		96
5) Methylene Chloride	5.364	49	81965	12.65	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	41876	6.48	ug/L		79
7) 1,1-Dichloroethane	6.221	63	56081	6.68	ug/L		96
8) cis-1,2-Dichloroethene	6.786	96	27663	5.94	ug/L	#	72
9) Chloroform	7.039	83	64502	6.15	ug/L		87
10) Carbon Tetrachloride	7.213	117	43372	6.68	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	51230	6.40	ug/L		89
12) Benzene	7.655	78	103166	6.09	ug/L		78
14) 1,2-Dichloroethane	7.851	62	38463	5.88	ug/L		85
15) Trichloroethene	8.214	95	29830	6.17	ug/L		94
16) 1,2-Dichloropropane	8.742	63	25144	5.71	ug/L		87
17) cis-1,3-Dichloropropene	9.394	75	25993	4.58	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	25956	5.14	ug/L	#	73
21) Tetrachloroethene	10.022	166	25884	5.67	ug/L	#	94
22) 1,4-Dichlorobenzene	13.410	146	56985	6.23	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3926	5.74	ug/L	#	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 08:42:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

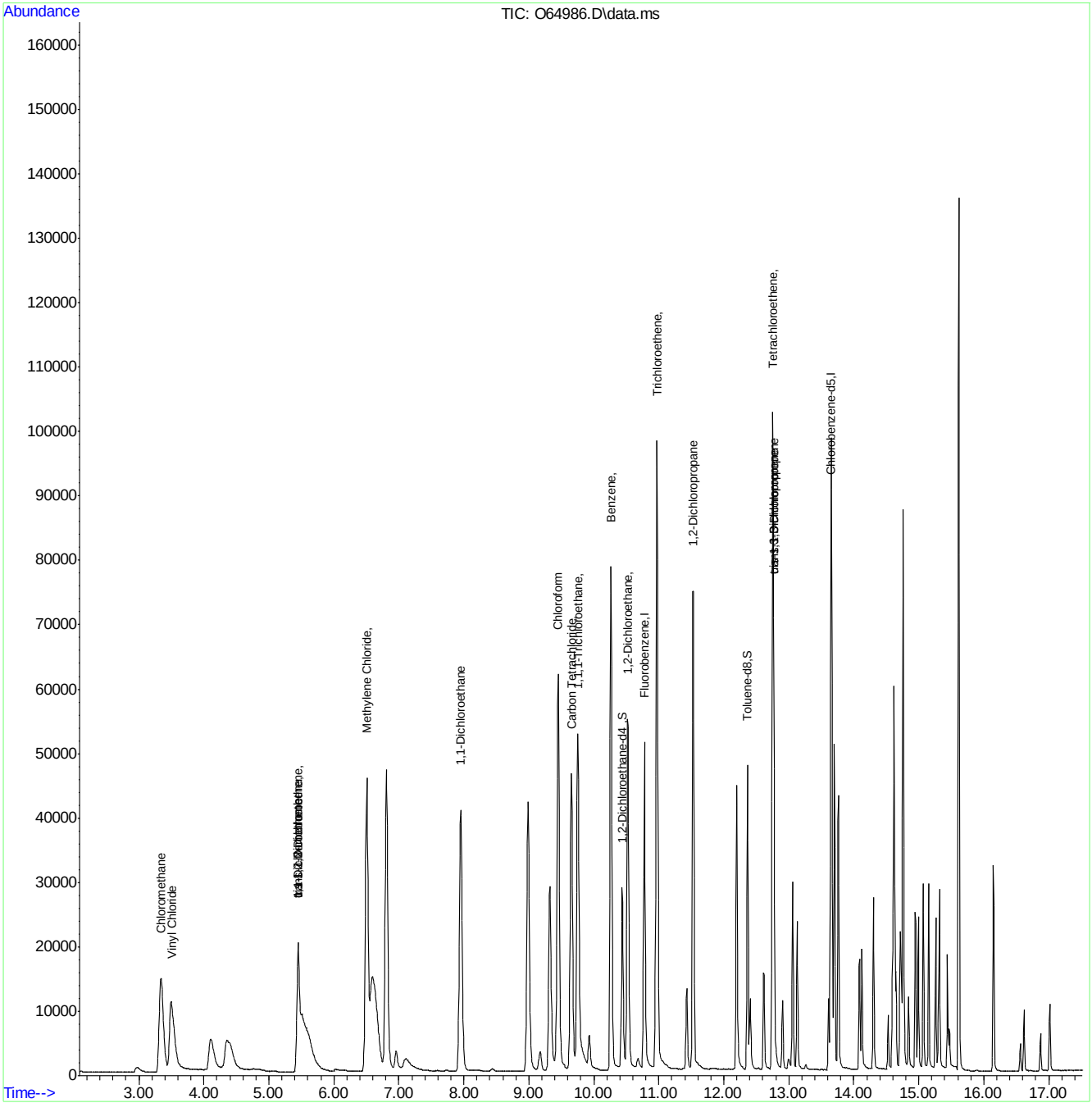
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58542	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	43028	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25618	5.14	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.80%			
19) Toluene-d8	12.367	98	41970	4.44	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 88.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	37153	5.19	ug/L	99
3) Chloromethane	3.339	50	47638	5.67	ug/L	98
4) 1,1-Dichloroethene	5.452	61	25250m	2.22	ug/L	
5) Methylene Chloride	6.506	49	48752m	0.56	ug/L	
6) trans-1,2-Dichloroethene	5.452	61	26177m	2.30	ug/L	
7) 1,1-Dichloroethane	7.951	63	71229	5.31	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	13792m	2.14	ug/L	
9) Chloroform	9.450	83	74474	5.47	ug/L	93
10) Carbon Tetrachloride	9.657	117	42995	4.84	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	54204	4.98	ug/L	98
12) Benzene	10.267	78	128930	5.05	ug/L	91
14) 1,2-Dichloroethane	10.519	62	58102	4.92	ug/L	92
15) Trichloroethene	10.974	95	41367	5.38	ug/L	94
16) 1,2-Dichloropropane	11.531	63	37132	5.20	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	38795	4.89	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	38795	4.52	ug/L	87
21) Tetrachloroethene	12.752	166	33789	5.08	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 08:42:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



SIMCL-09-03-2021.M Tue Sep 07 09:08:00 2021 Page: 2

Manual Integration Approval Summary

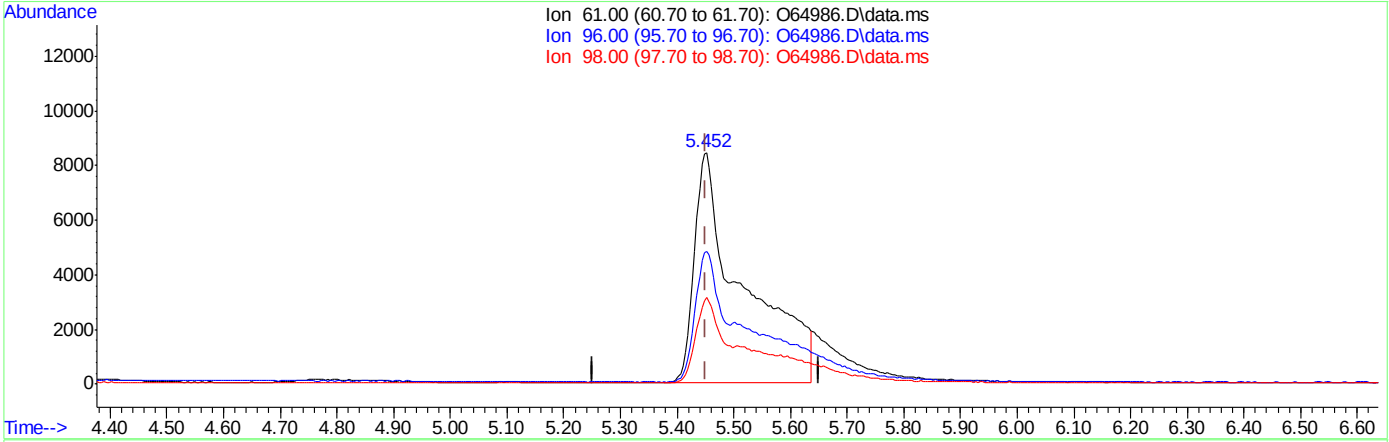
Sample Number: FA88610-1MS
Lab FileID: O64986.D
Injection Time: 09/04/21 18:39
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

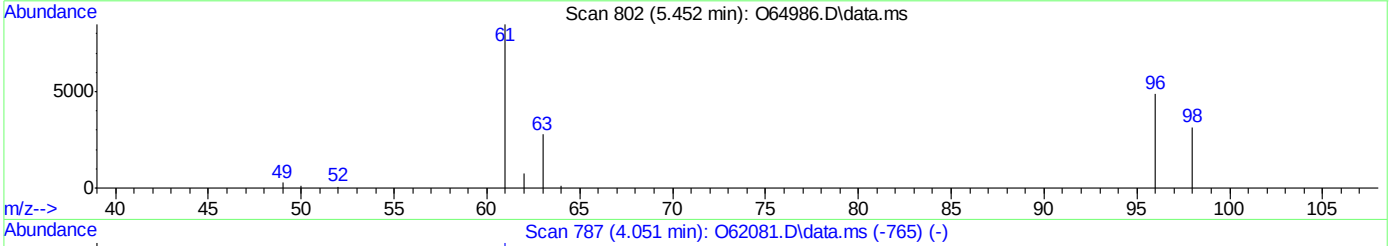
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak
Methylene Chloride	75-09-2		6.51	Overlapping peak

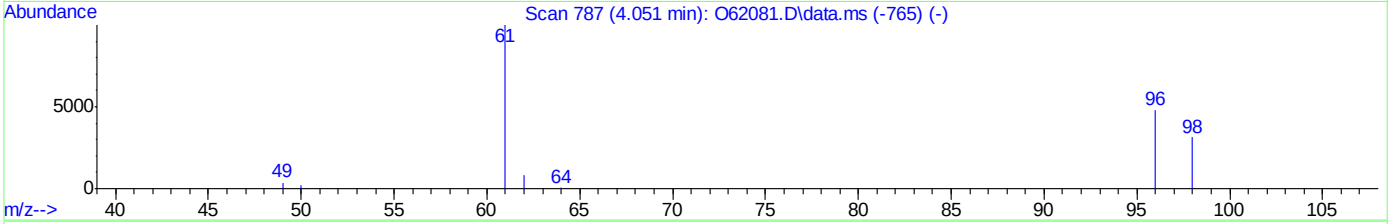
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 4.42ug/L

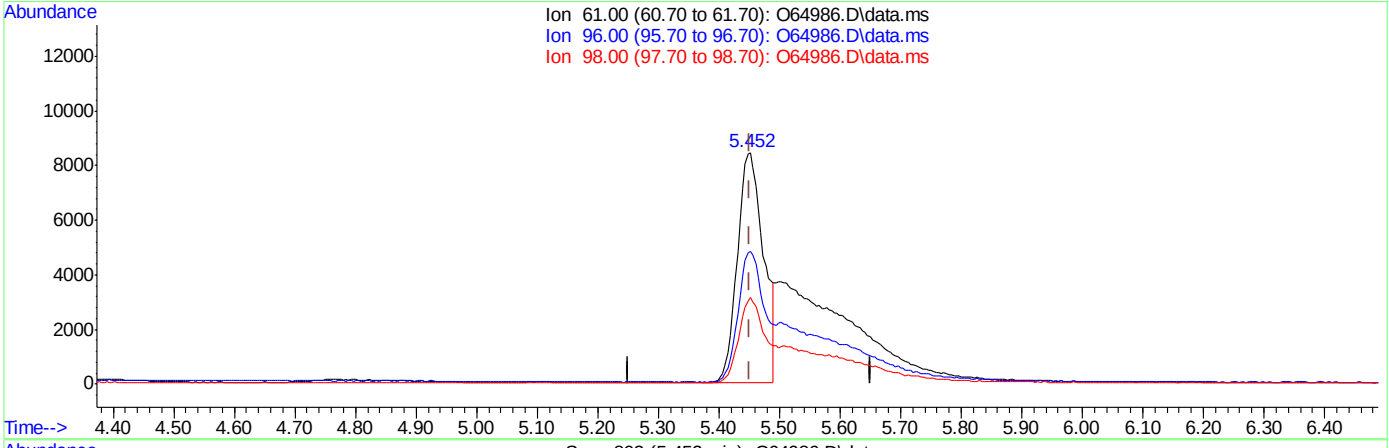
response 50421

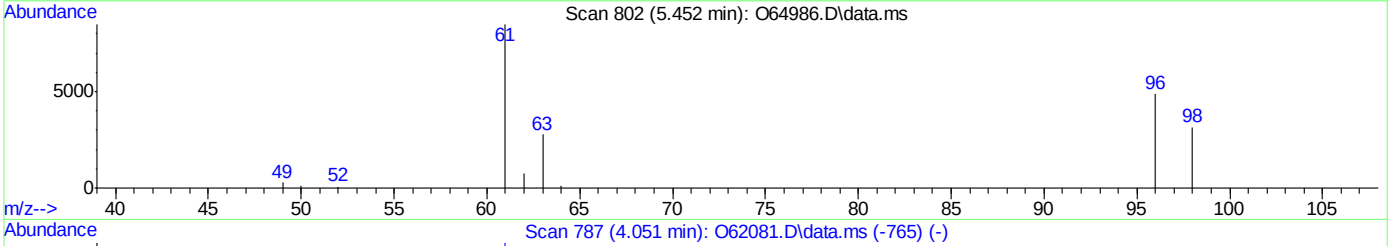
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.88
98.00	40.70	36.94
0.00	0.00	0.00

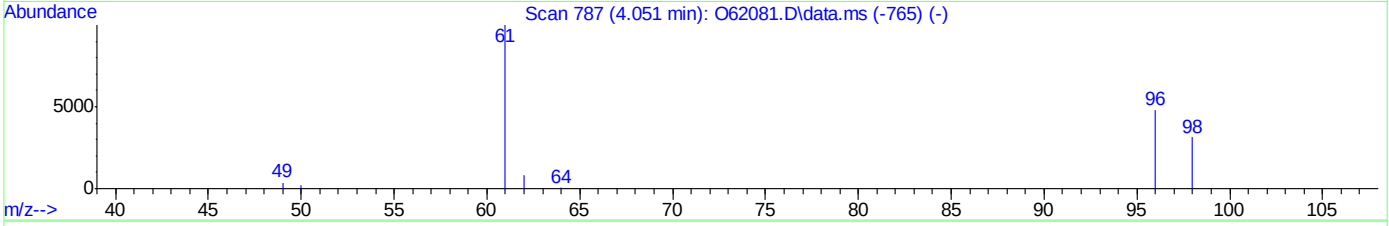
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 2.22ug/L m

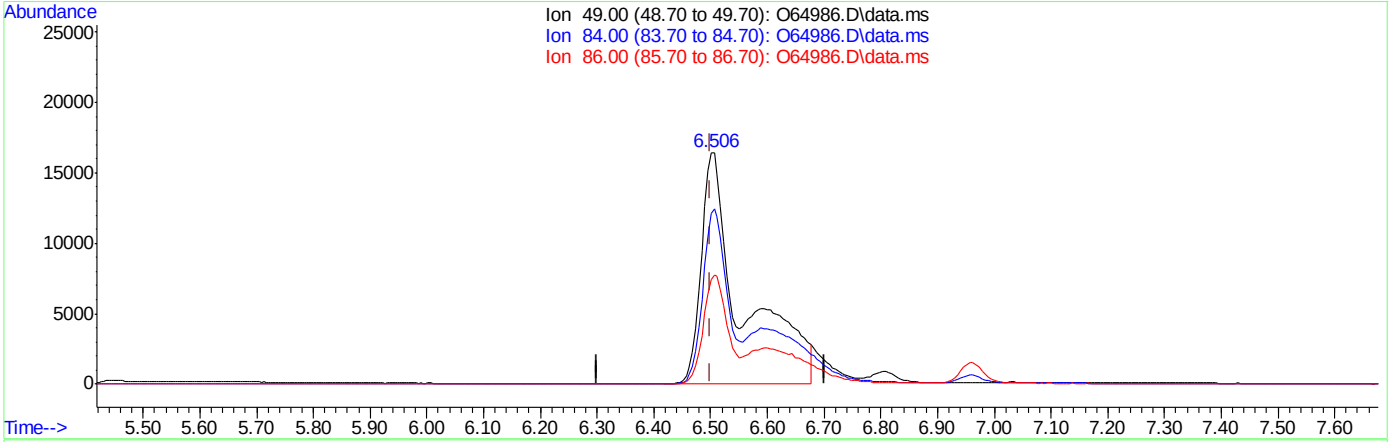
response 25250

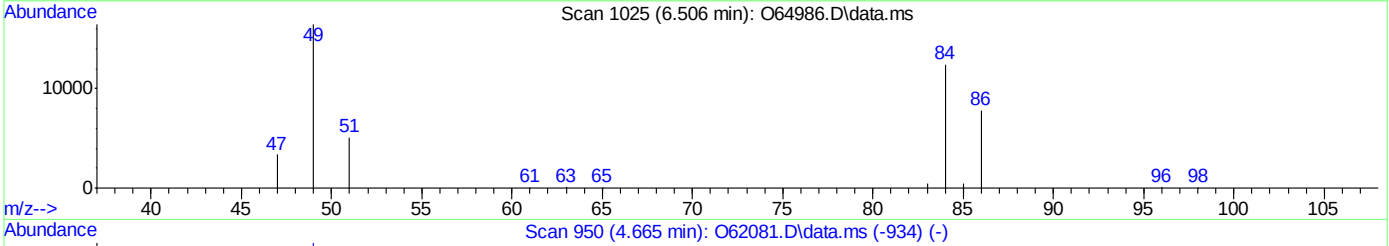
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.47
98.00	40.70	37.34
0.00	0.00	0.00

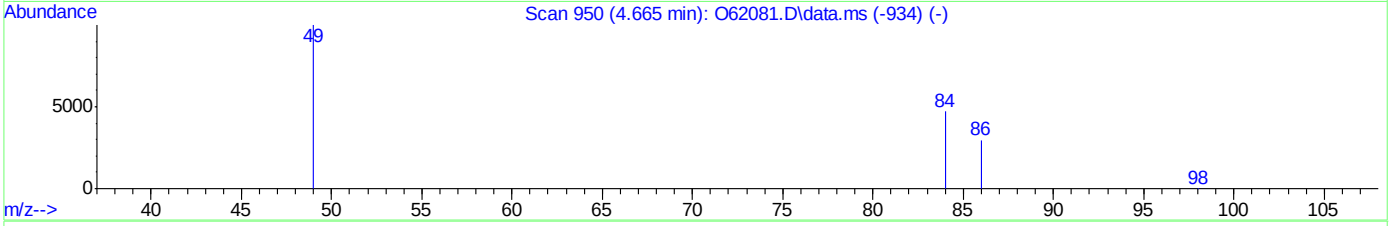
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(5) Methylene Chloride ( )

6.506min (+0.005) 0.95ug/L

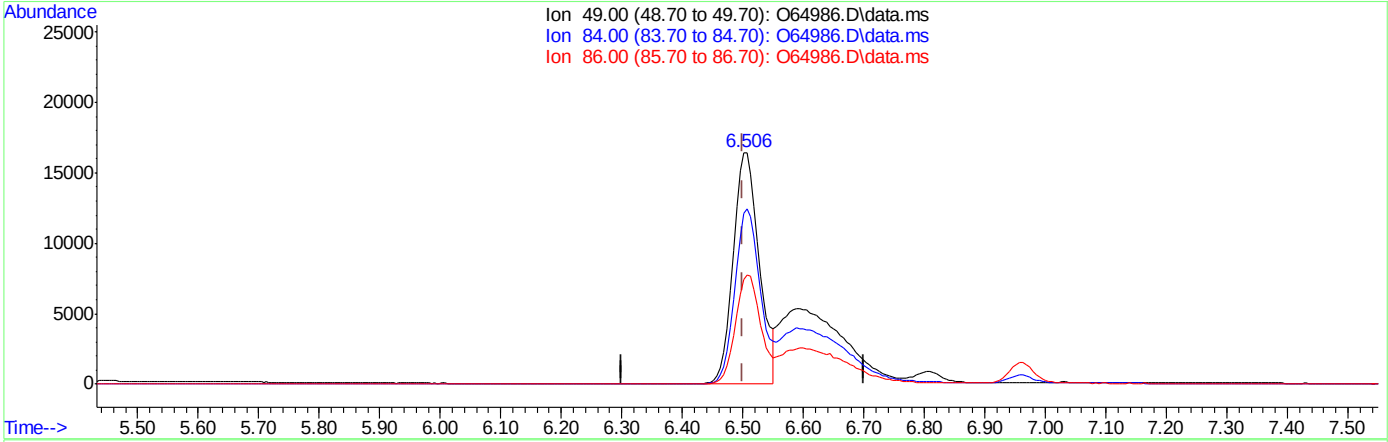
response 82051

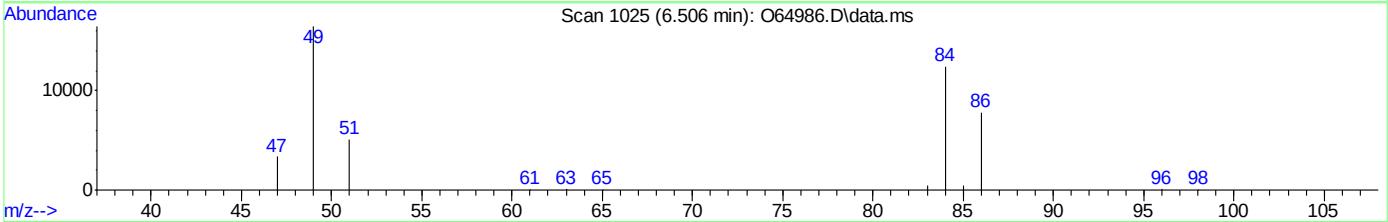
Ion	Exp%	Act%
49.00	100	100
84.00	65.50	75.47
86.00	42.80	47.20
0.00	0.00	0.00

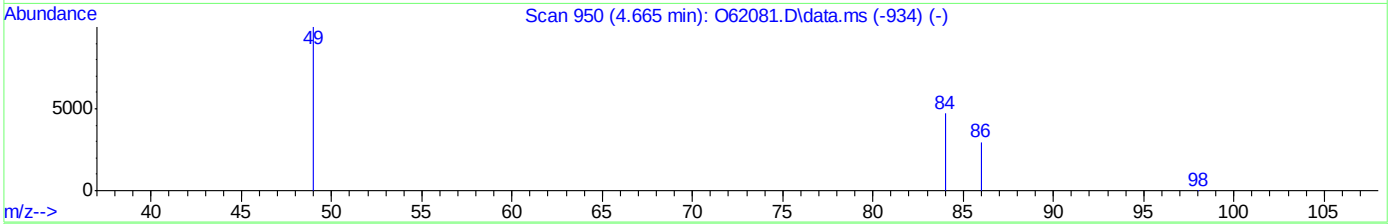
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(5) Methylene Chloride ( )

6.506min (+0.005) 0.56ug/L m

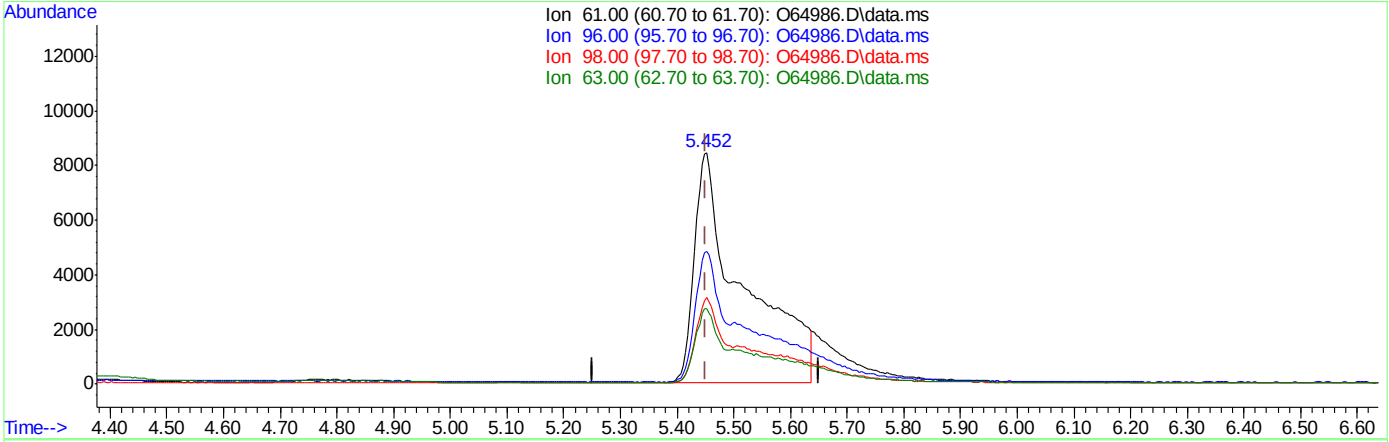
response 48752

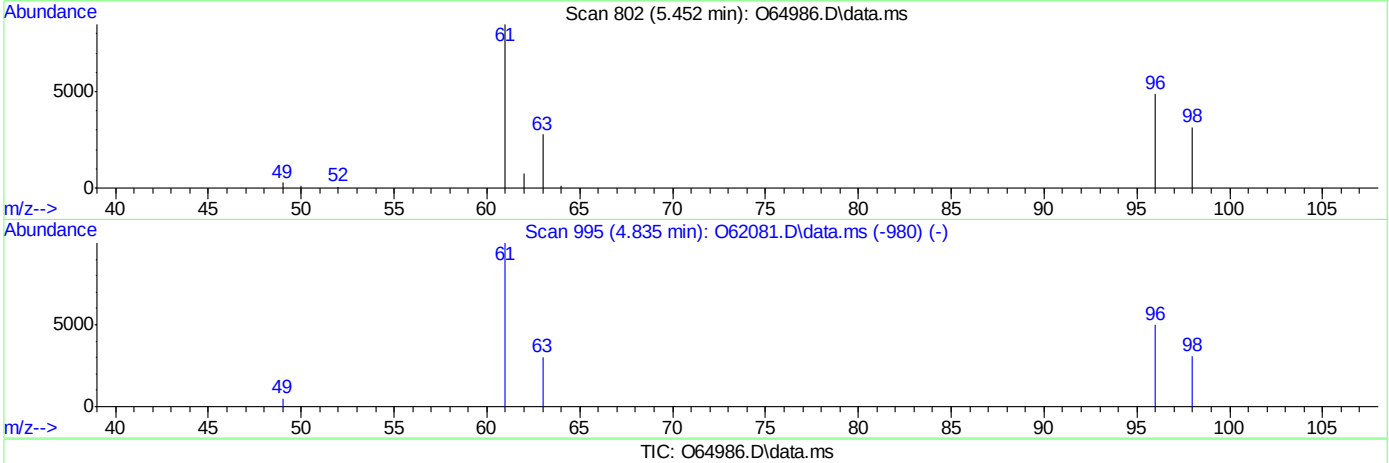
Ion	Exp%	Act%
49.00	100	100
84.00	65.50	75.55
86.00	42.80	47.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64986.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 4.42ug/L

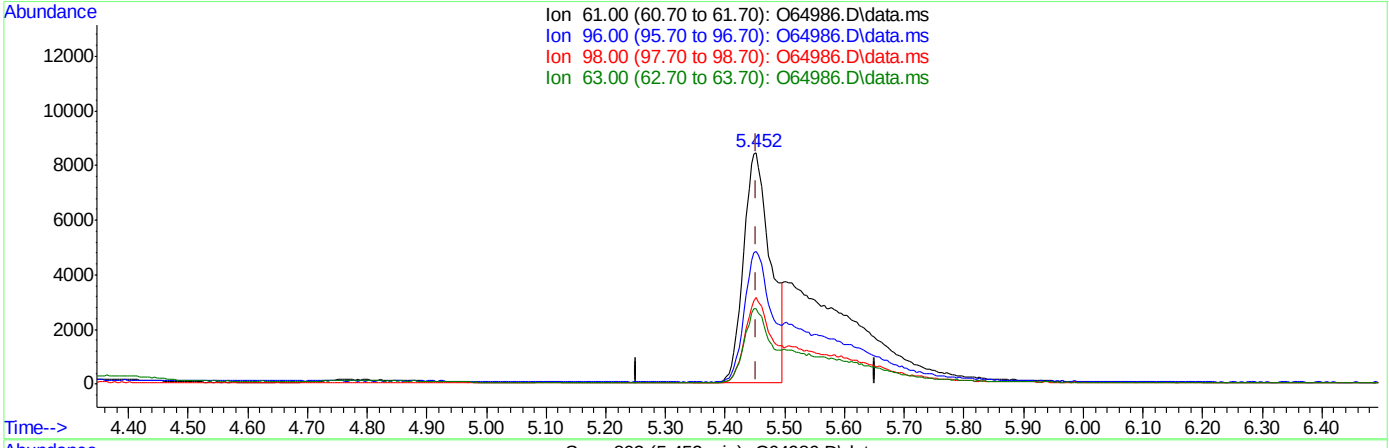
response 50421

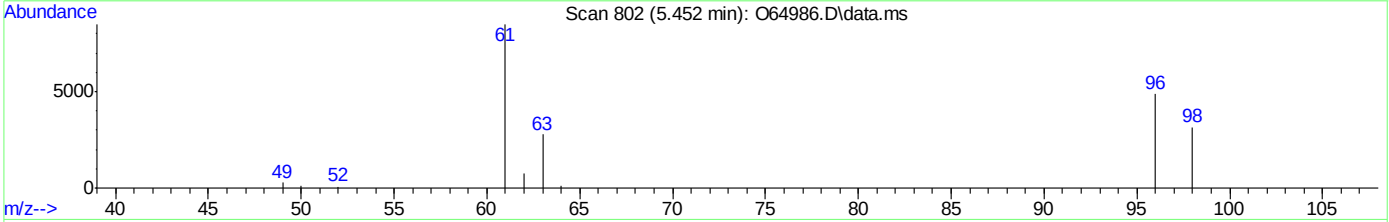
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.88
98.00	47.20	36.94
63.00	32.80	32.06

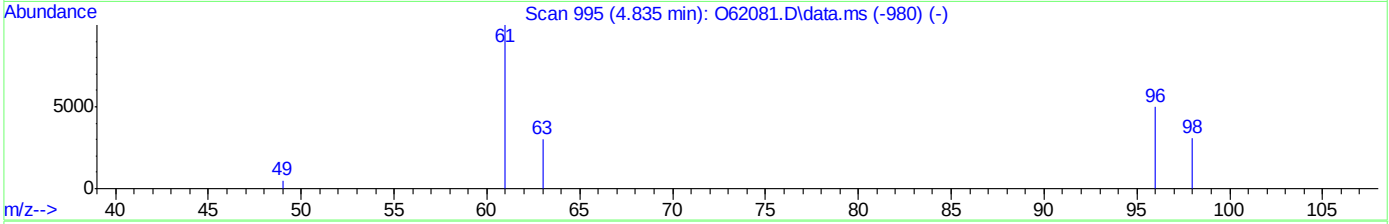
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 2.30ug/L m

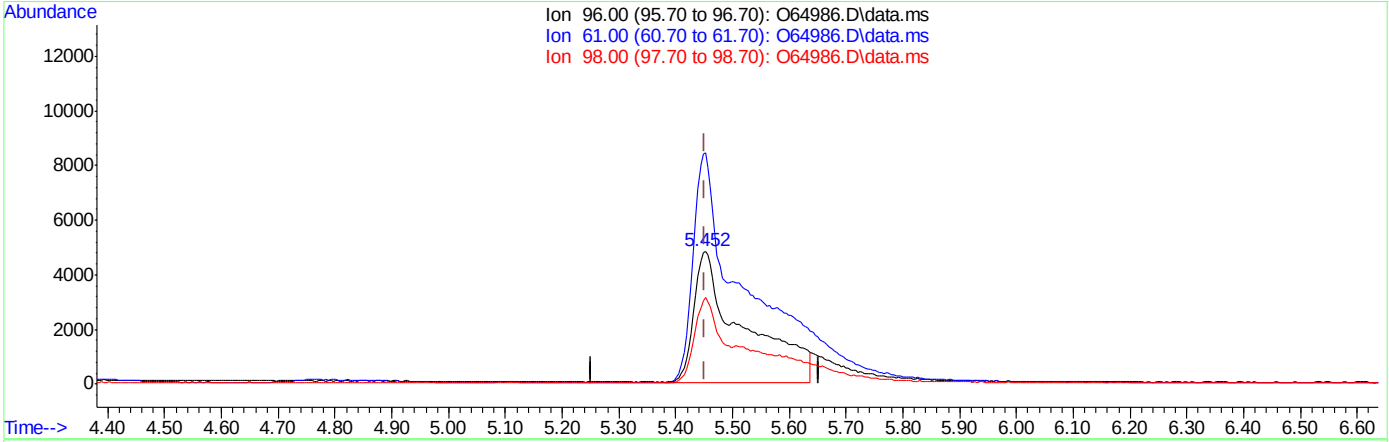
response 26177

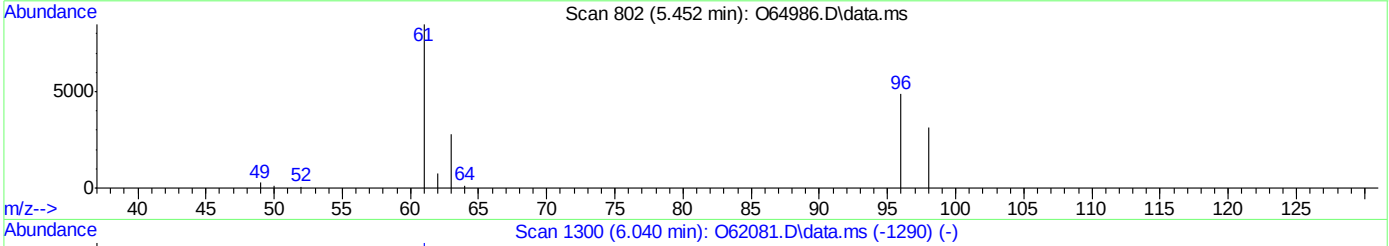
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.47
98.00	47.20	37.34
63.00	32.80	32.57

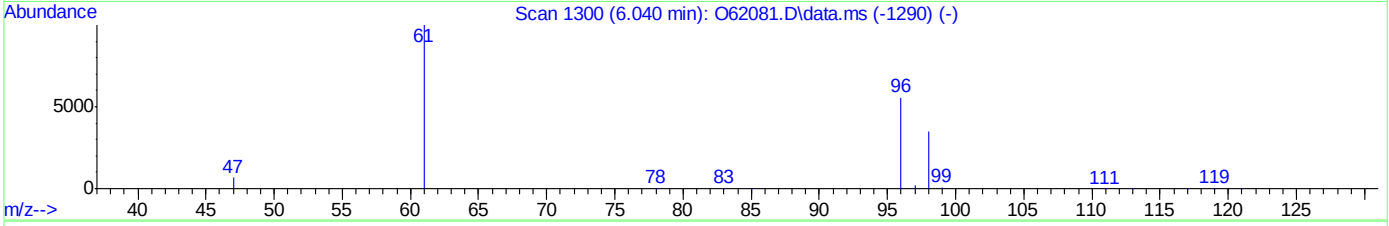
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 4.47ug/L

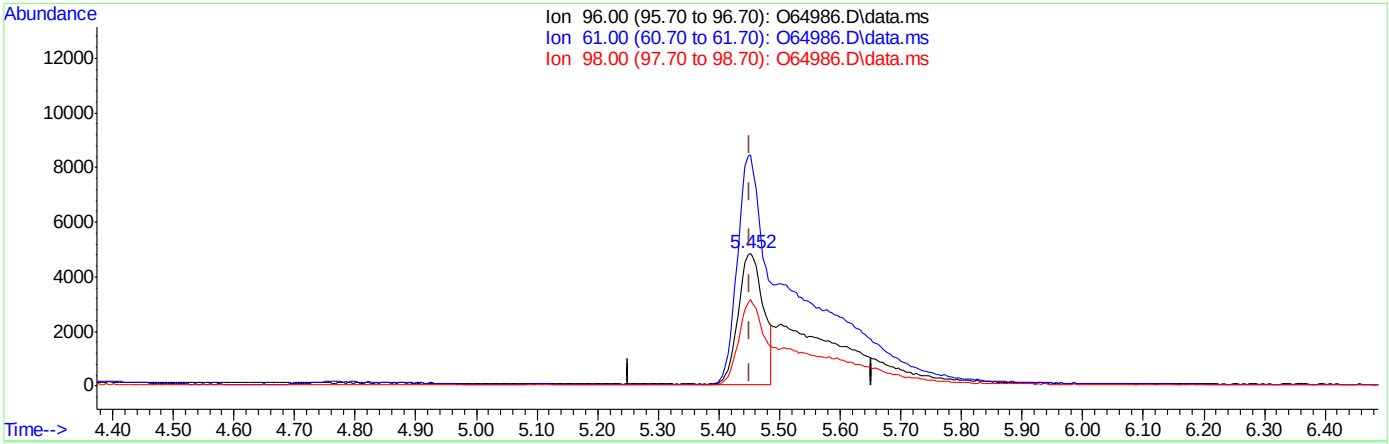
response 28857

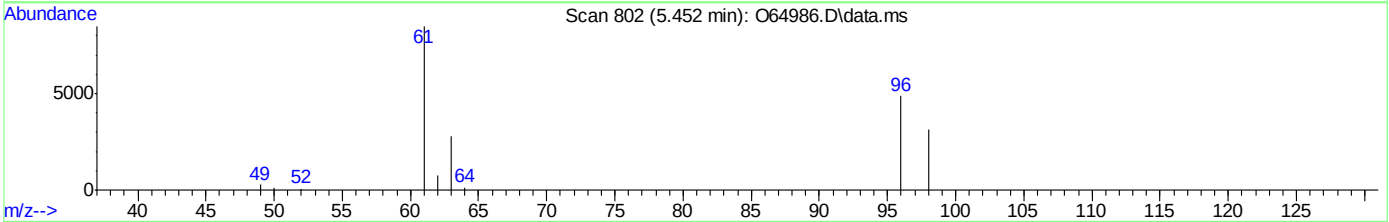
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	175.59#
98.00	62.80	64.92
0.00	0.00	0.00

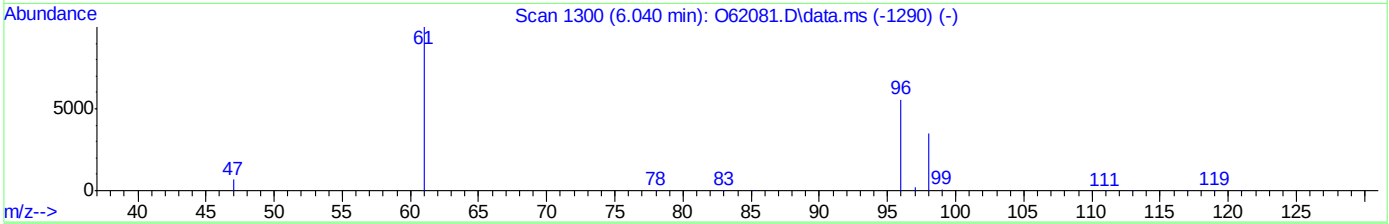
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 2.14ug/L m

response 13792

Ion	Exp%	Act%
96.00	100	100
61.00	225.00	174.00#
98.00	62.80	64.98
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 08:42:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

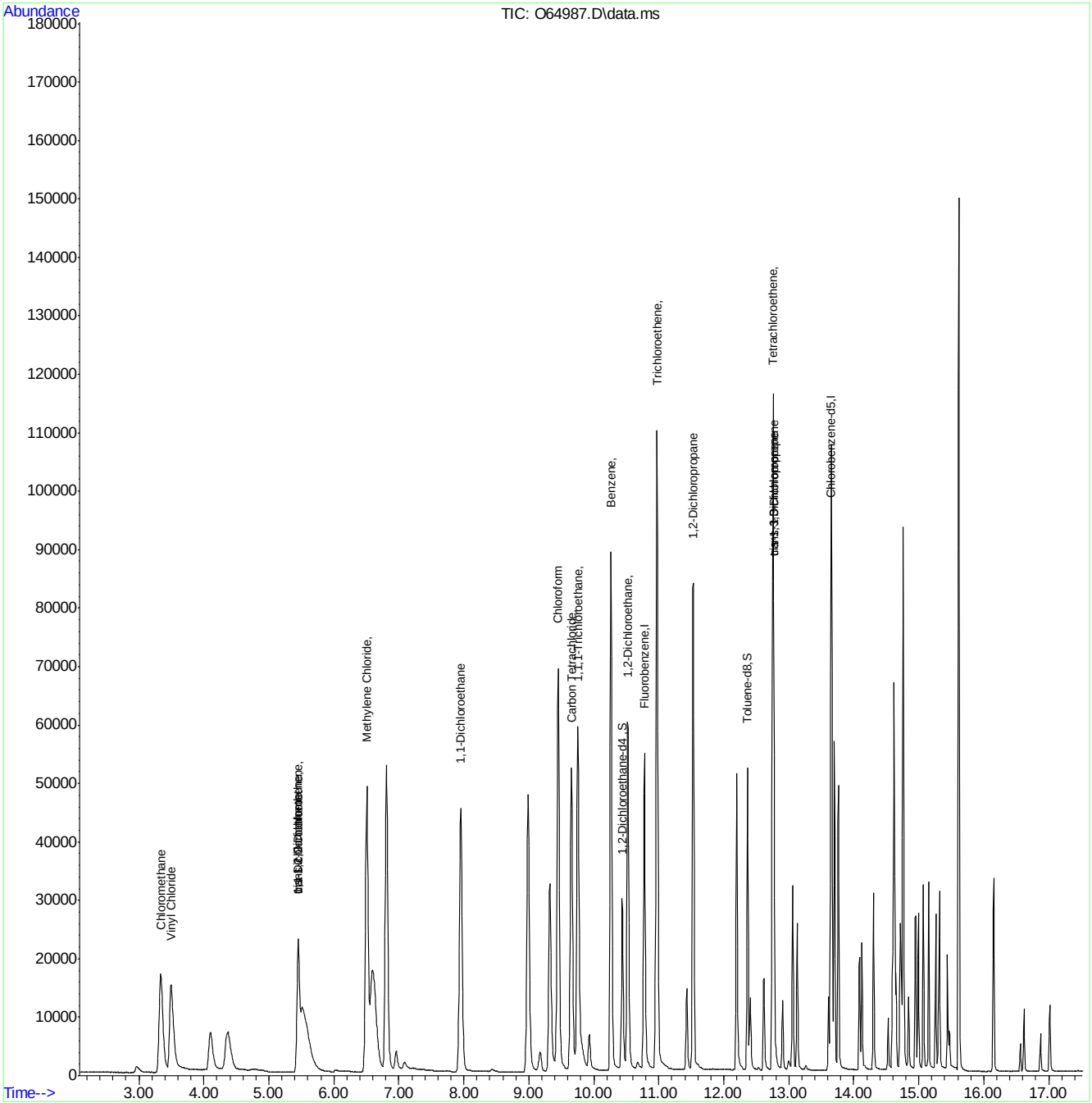
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	61257	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	45267	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26460	5.07	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.40%			
19) Toluene-d8	12.367	98	44707	4.50	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	41925	5.60	ug/L	99
3) Chloromethane	3.335	50	49395	5.62	ug/L	97
4) 1,1-Dichloroethene	5.452	61	27594m	2.31	ug/L	
5) Methylene Chloride	6.506	49	52690	0.58	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	27593m	2.31	ug/L	
7) 1,1-Dichloroethane	7.951	63	78869	5.62	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	15580m	2.31	ug/L	
9) Chloroform	9.450	83	81796	5.75	ug/L	93
10) Carbon Tetrachloride	9.657	117	47749	5.14	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	60826	5.34	ug/L	98
12) Benzene	10.267	78	143023	5.36	ug/L	91
14) 1,2-Dichloroethane	10.518	62	63433	5.13	ug/L	91
15) Trichloroethene	10.974	95	45755	5.69	ug/L	94
16) 1,2-Dichloropropane	11.531	63	40779	5.45	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	43710	5.26	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	43710	4.84	ug/L	87
21) Tetrachloroethene	12.752	166	37390	5.35	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 08:42:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

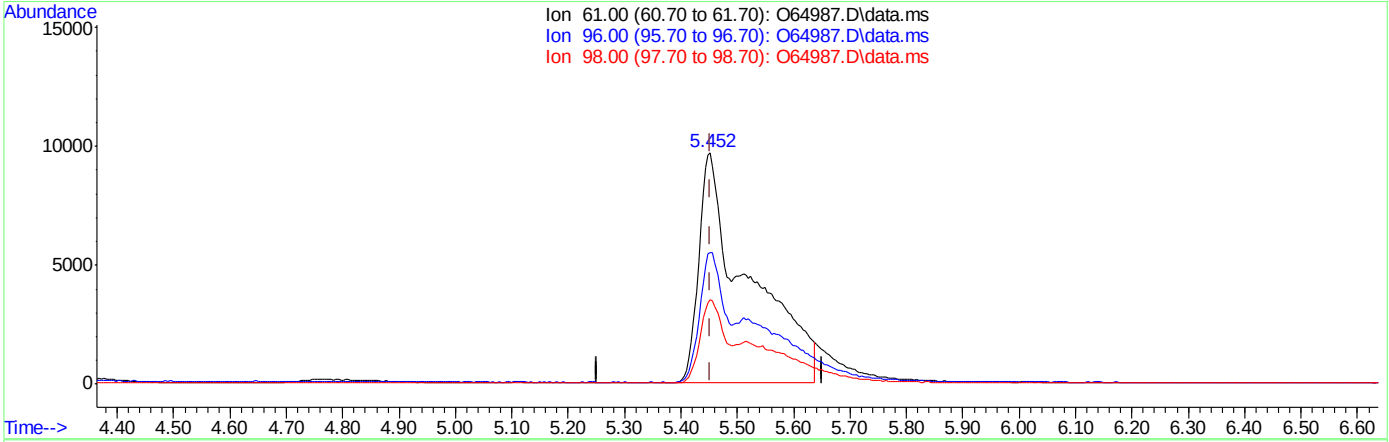
Sample Number: FA88610-1MSD
Lab FileID: O64987.D
Injection Time: 09/04/21 19:03
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

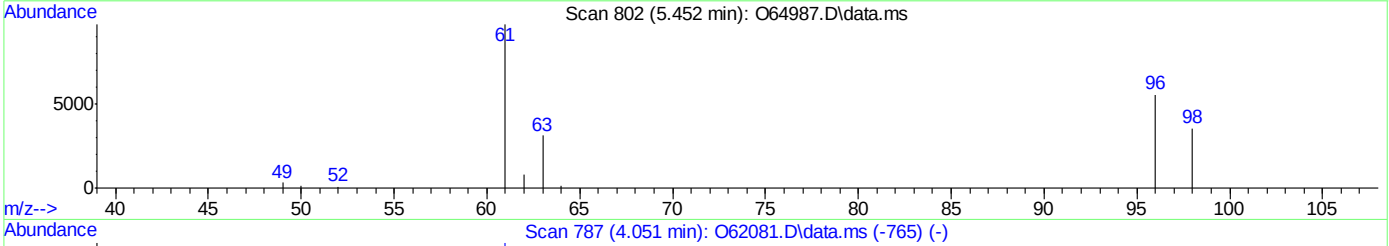
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak

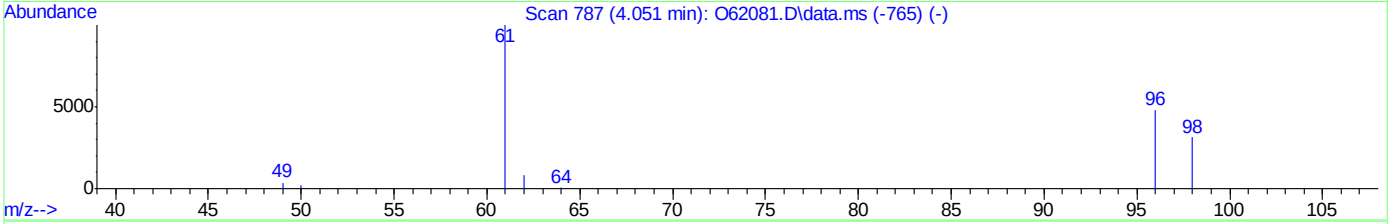
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 4.94ug/L

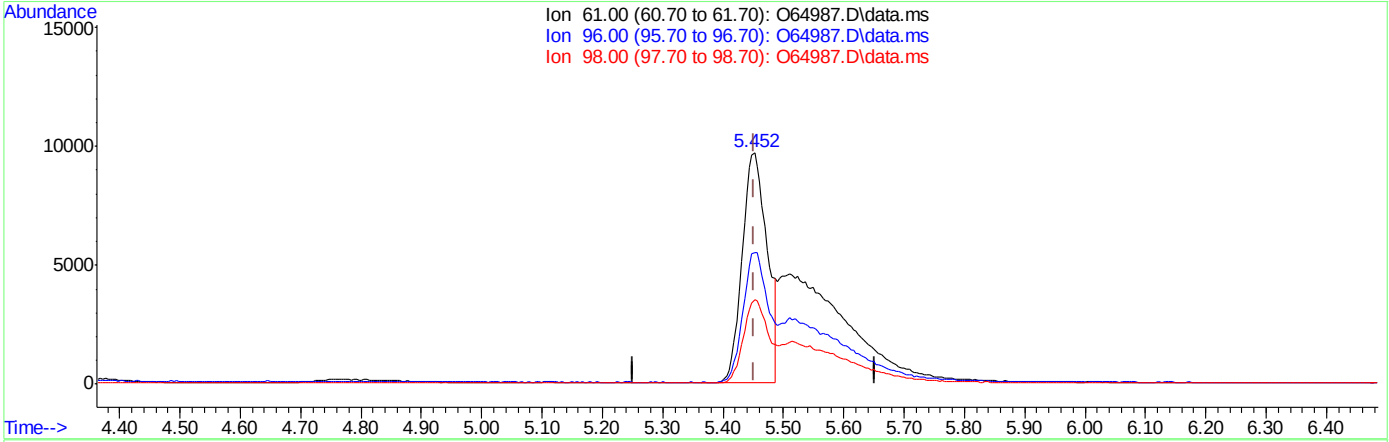
response 58857

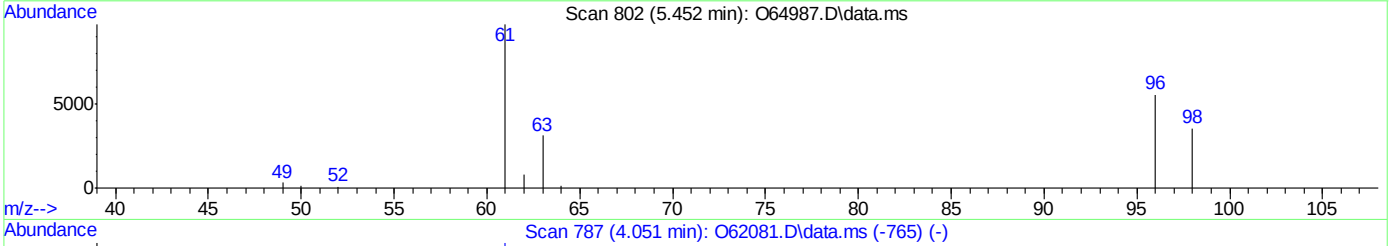
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.39
98.00	40.70	36.05
0.00	0.00	0.00

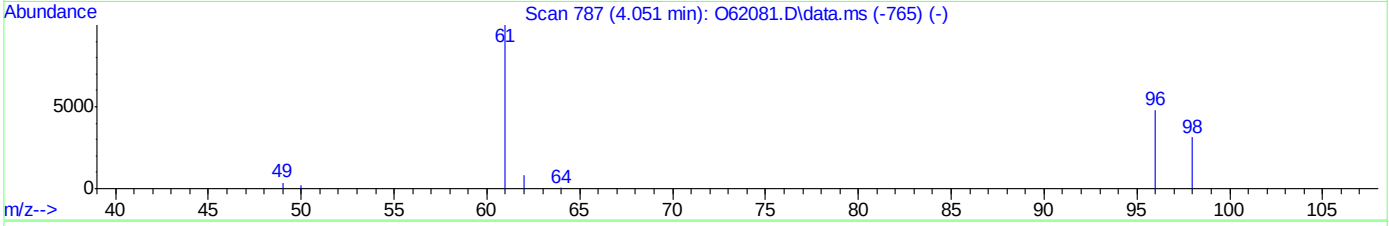
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 2.31ug/L m

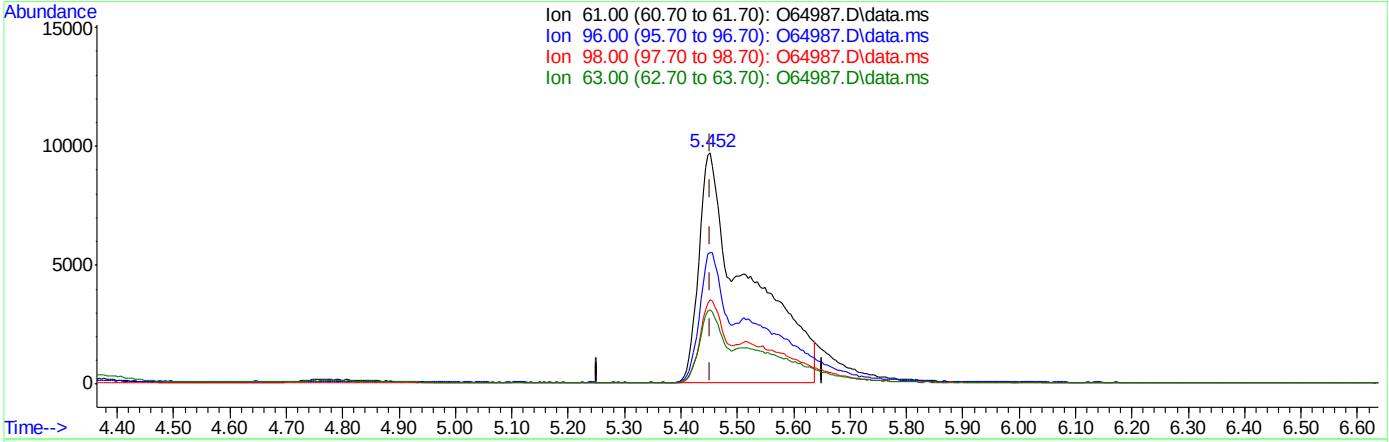
response 27594

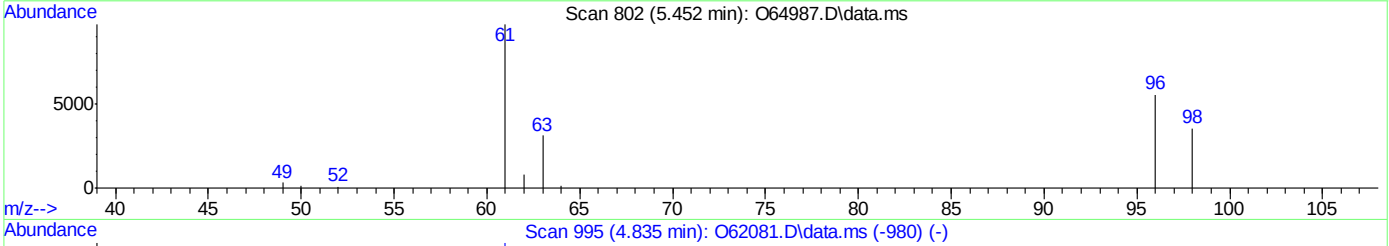
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.97
98.00	40.70	36.41
0.00	0.00	0.00

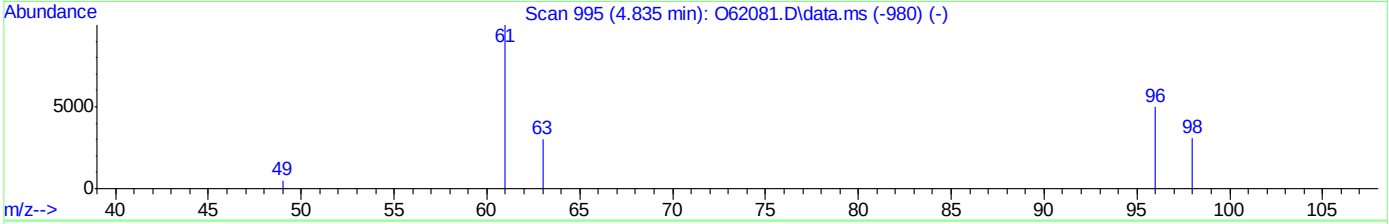
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 4.94ug/L

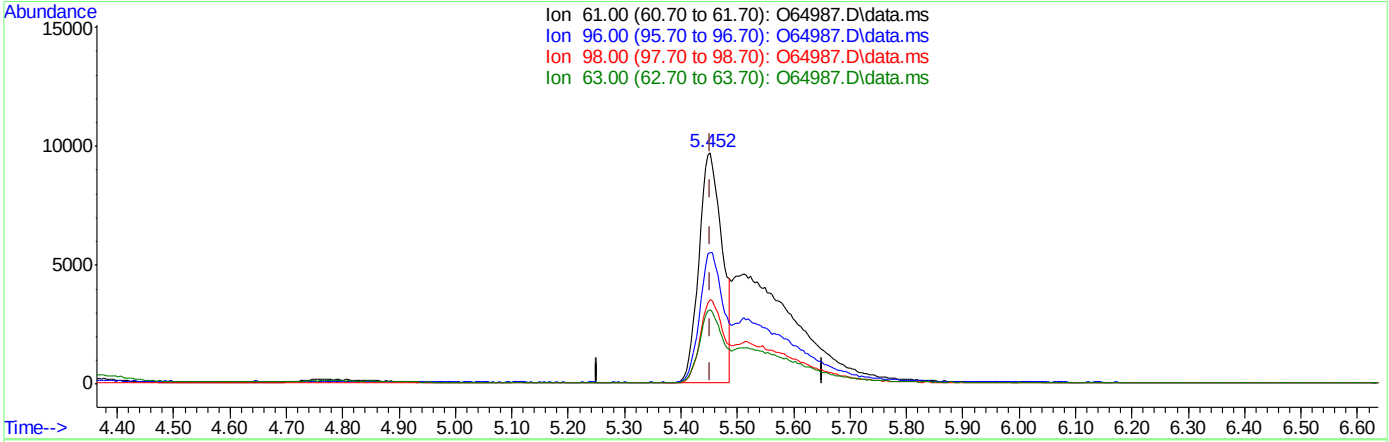
response 58857

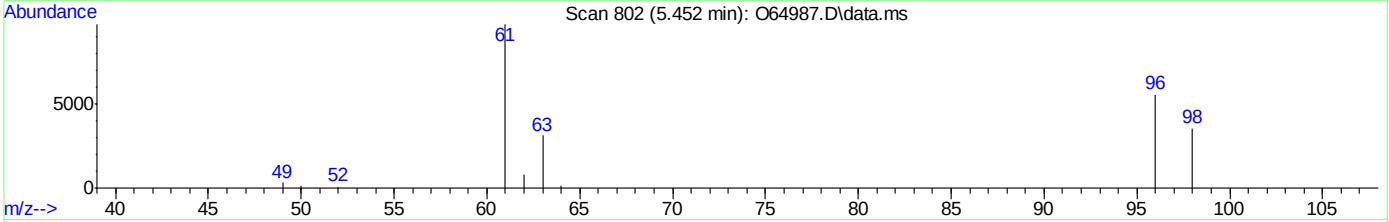
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.39
98.00	47.20	36.05
63.00	32.80	31.61

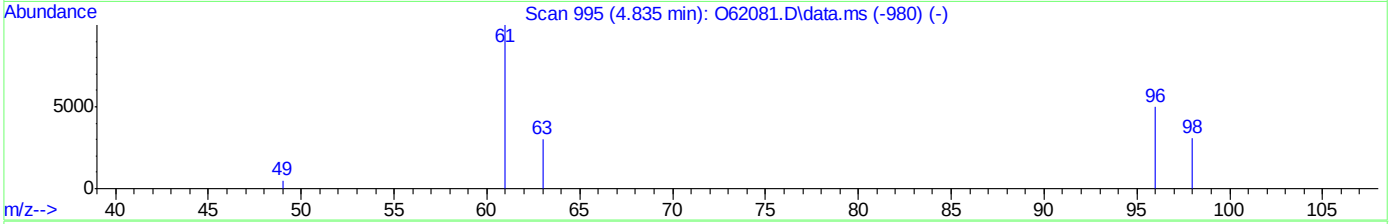
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 2.31ug/L m

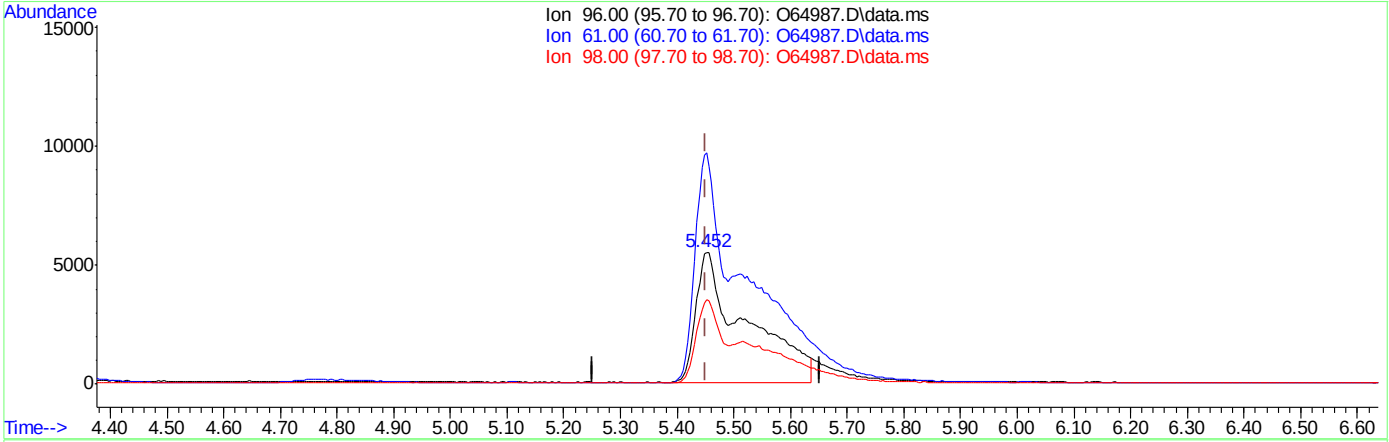
response 27593

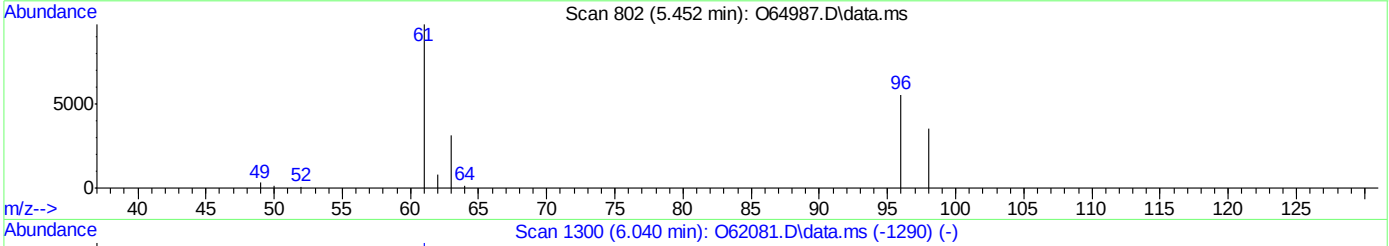
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.97
98.00	47.20	36.41
63.00	32.80	32.11

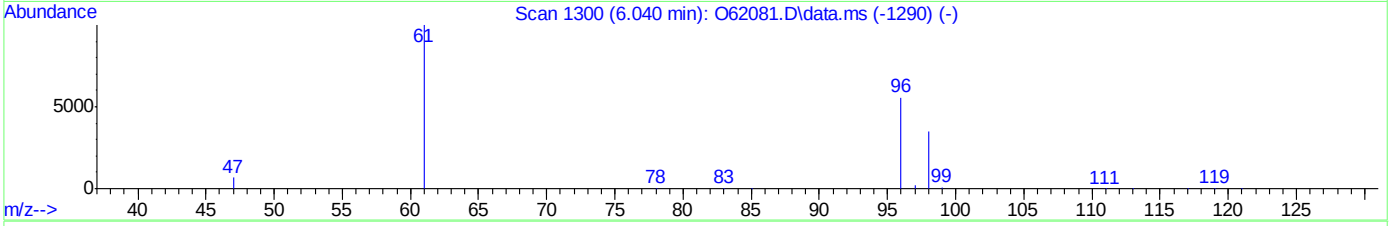
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 4.98ug/L

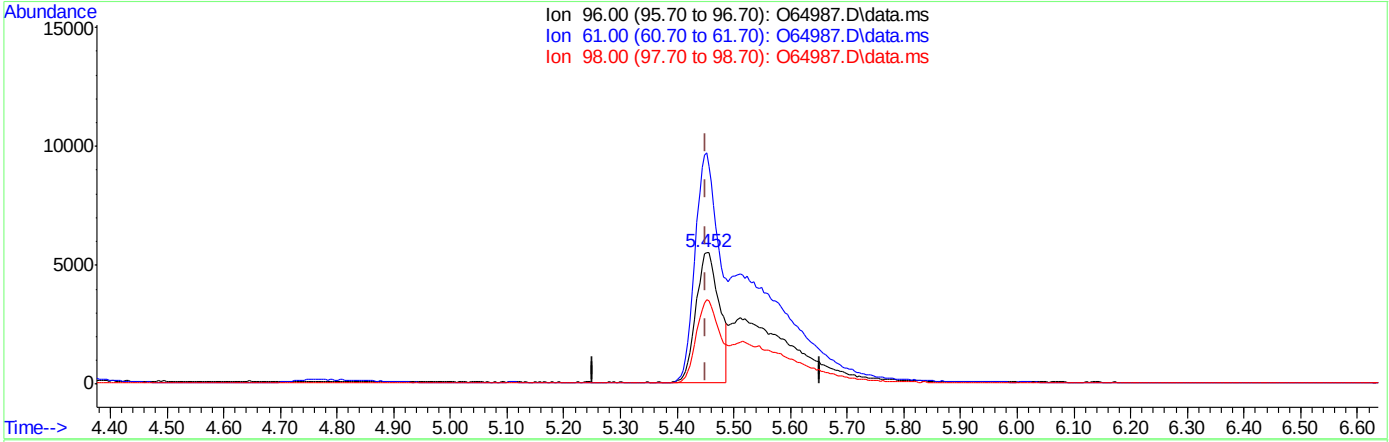
response 33628

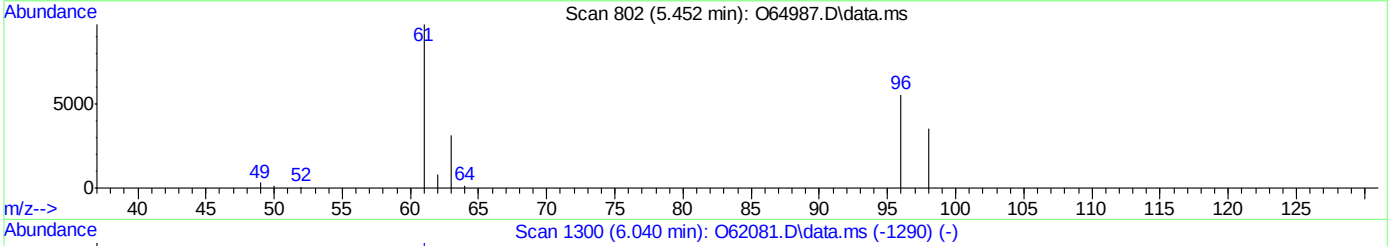
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	176.92#
98.00	62.80	63.84
0.00	0.00	0.00

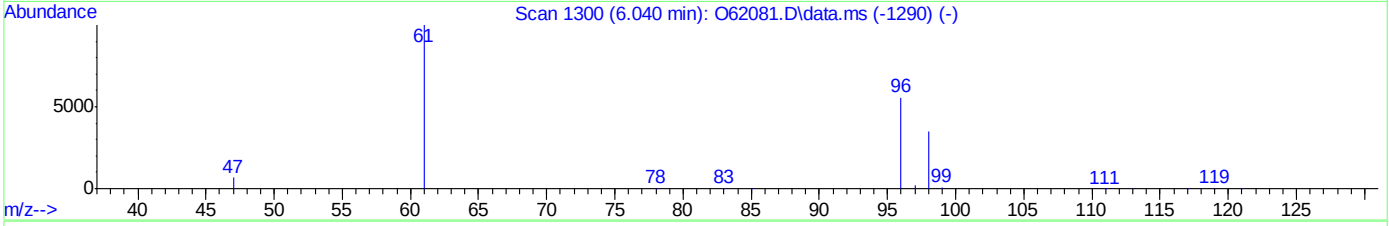
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 2.31ug/L m

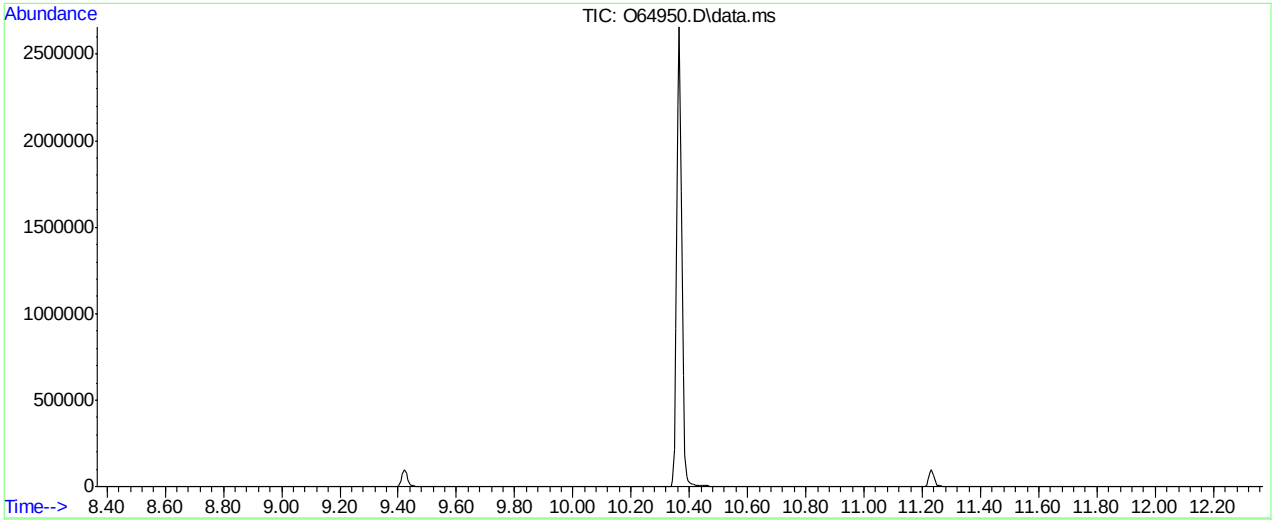
response 15580

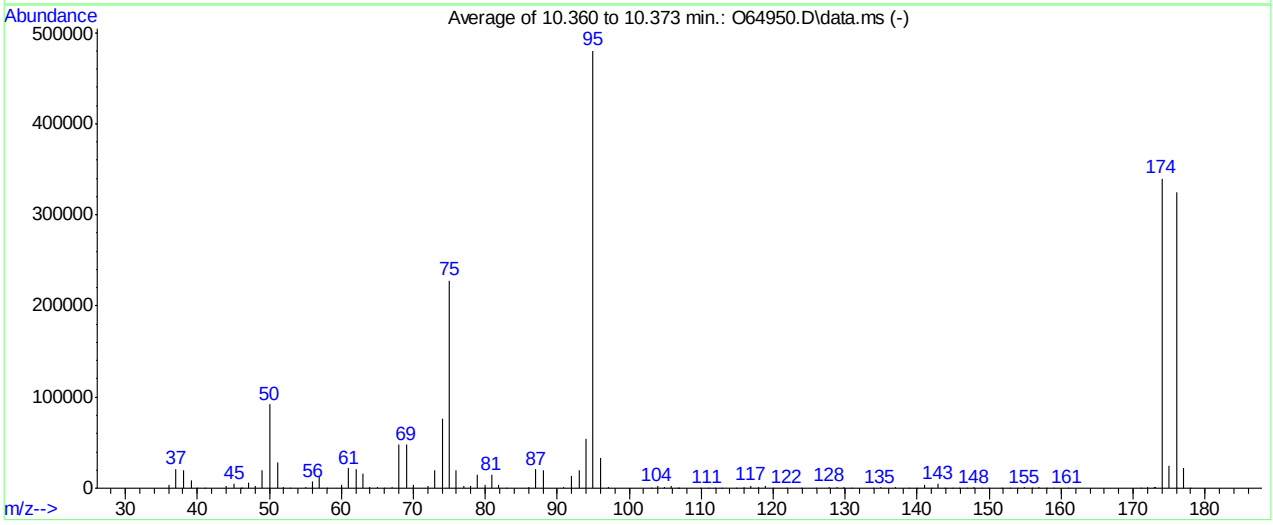
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	175.52#
98.00	62.80	63.90
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-03\O64950.D Vial: 2
Acq On : 3 Sep 2021 4:42 pm Operator: CHARLENG
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2546,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

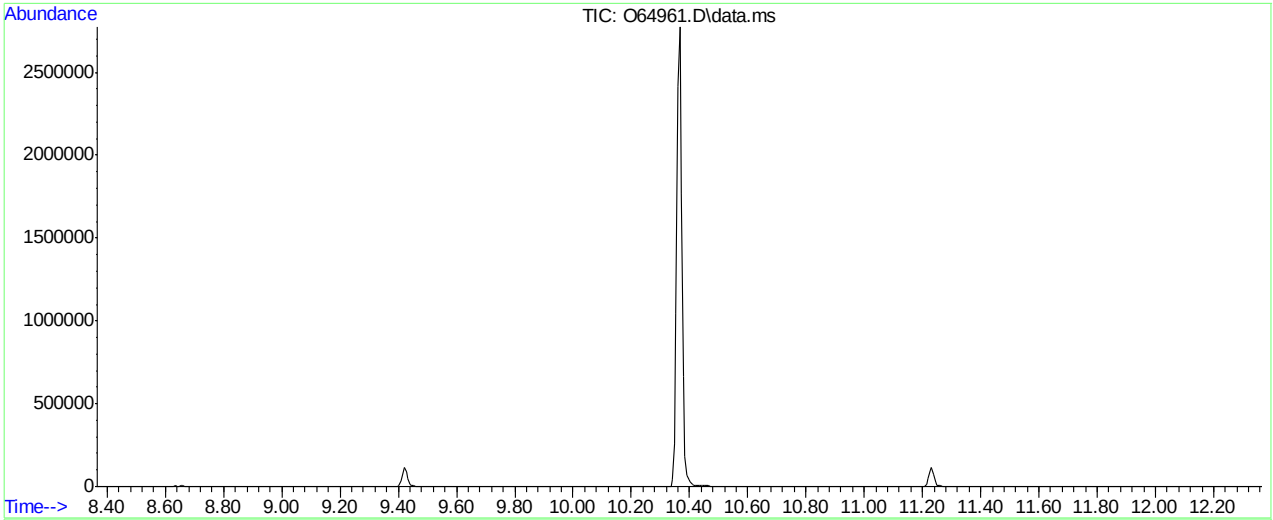
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	91965	PASS
75	95	30	60	47.4	227925	PASS
95	95	100	100	100.0	480384	PASS
96	95	5	9	6.8	32669	PASS
173	174	0.00	2	0.5	1868	PASS
174	95	50	100	70.7	339733	PASS
175	174	5	9	7.3	24797	PASS
176	174	95	101	95.5	324608	PASS
177	176	5	9	6.7	21893	PASS

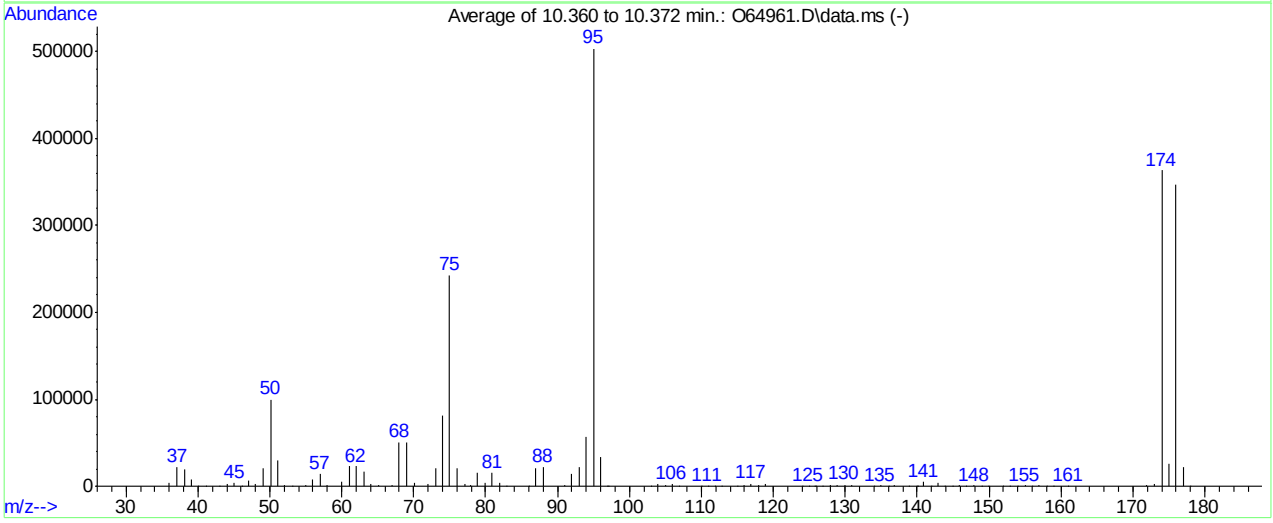
O64950.D SIMCL-09-03-2021.M Sat Sep 04 08:07:43 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-04\O64961.D Vial: 2
Acq On : 4 Sep 2021 9:00 am Operator: CHARLENG
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

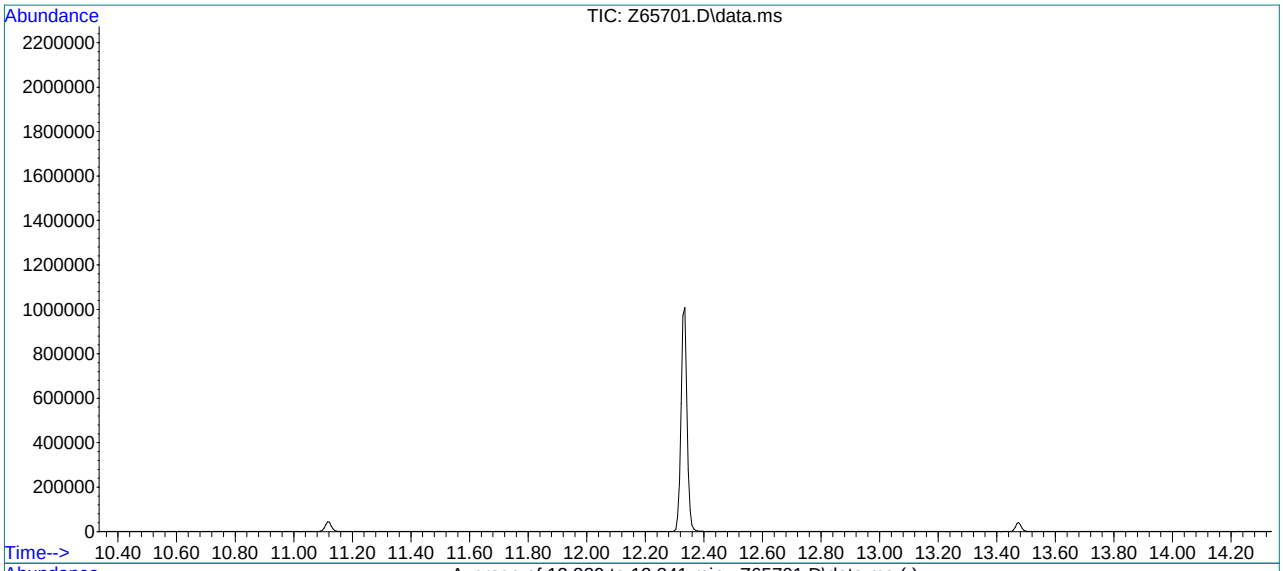
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	99328	PASS
75	95	30	60	48.2	242560	PASS
95	95	100	100	100.0	503701	PASS
96	95	5	9	6.7	33600	PASS
173	174	0.00	2	0.9	3186	PASS
174	95	50	100	72.2	363755	PASS
175	174	5	9	7.2	26192	PASS
176	174	95	101	95.4	347008	PASS
177	176	5	9	6.3	21995	PASS

O64961.D SIMCL-09-03-2021.M Sat Sep 04 09:26:07 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-02\Z65701.D Vial: 2
Acq On : 2 Sep 2021 12:35 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-08-04-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1844, 1845, 1846; Background Corrected with Scan 1836

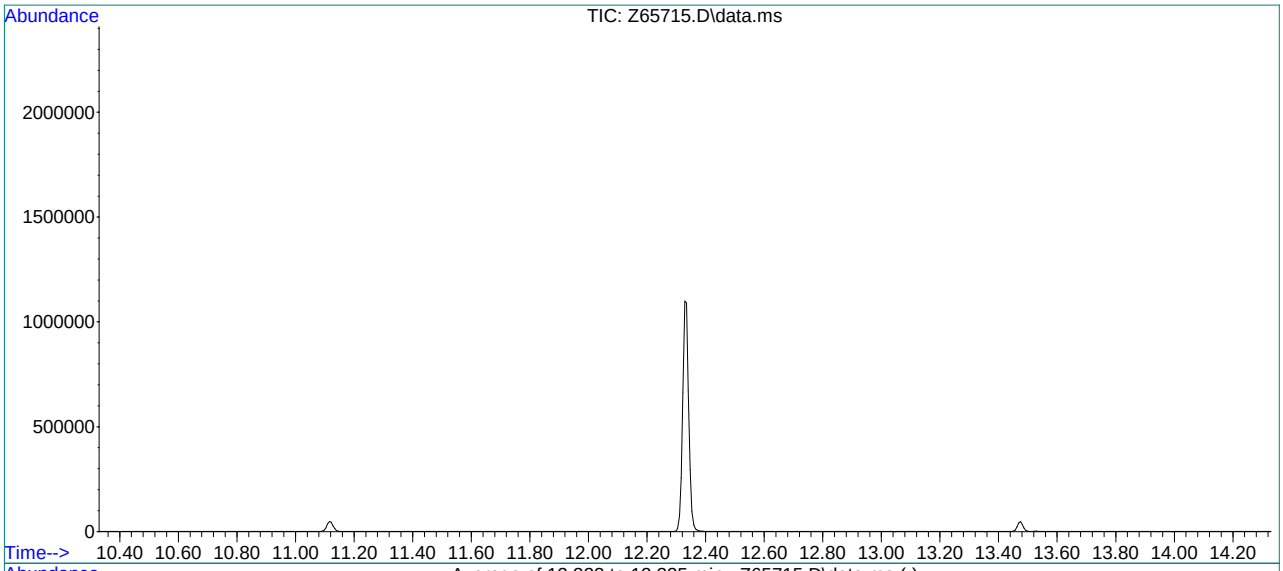
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	32941	PASS
75	95	30	60	56.1	91400	PASS
95	95	100	100	100.0	162995	PASS
96	95	5	9	6.9	11206	PASS
173	174	0.00	2	0.9	1242	PASS
174	95	50	100	86.5	140947	PASS
175	174	5	9	7.2	10204	PASS
176	174	95	101	99.6	140437	PASS
177	176	5	9	6.5	9114	PASS

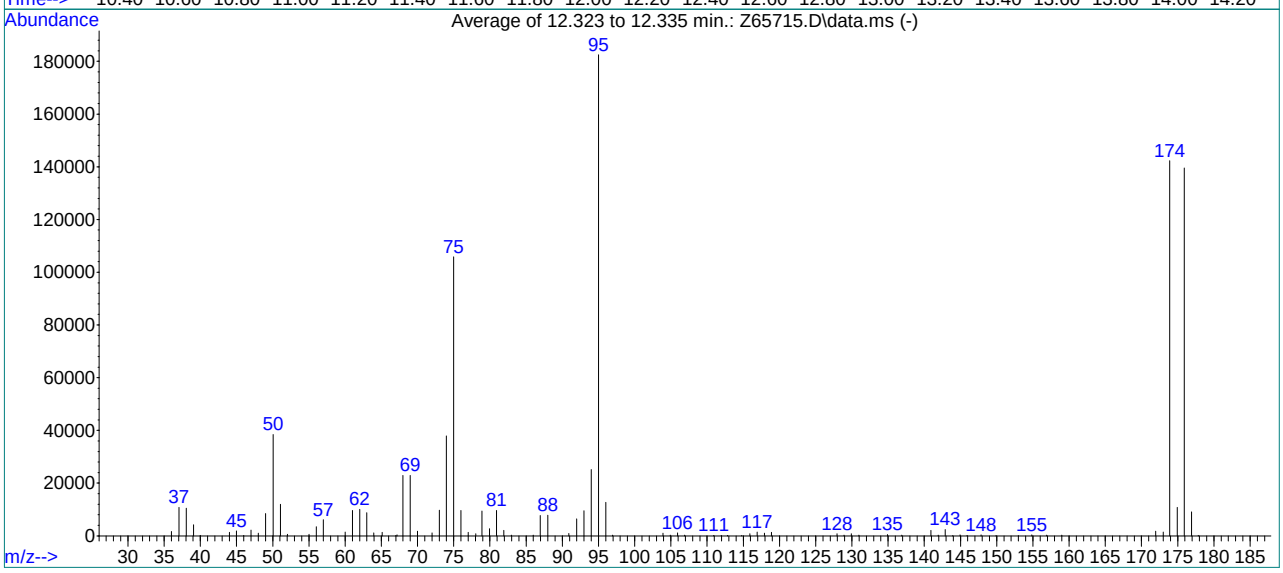
Z65701.D SIMCL-08-04-2021.M Fri Sep 03 09:33:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-03\Z65715.D Vial: 2
Acq On : 3 Sep 2021 9:43 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	38475	PASS
75	95	30	60	58.0	105853	PASS
95	95	100	100	100.0	182464	PASS
96	95	5	9	7.0	12727	PASS
173	174	0.00	2	1.0	1494	PASS
174	95	50	100	78.0	142331	PASS
175	174	5	9	7.6	10776	PASS
176	174	95	101	98.0	139501	PASS
177	176	5	9	6.5	9064	PASS

Z65715.D SIMCL-09-02-2021.M Fri Sep 03 10:47:03 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:08:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration

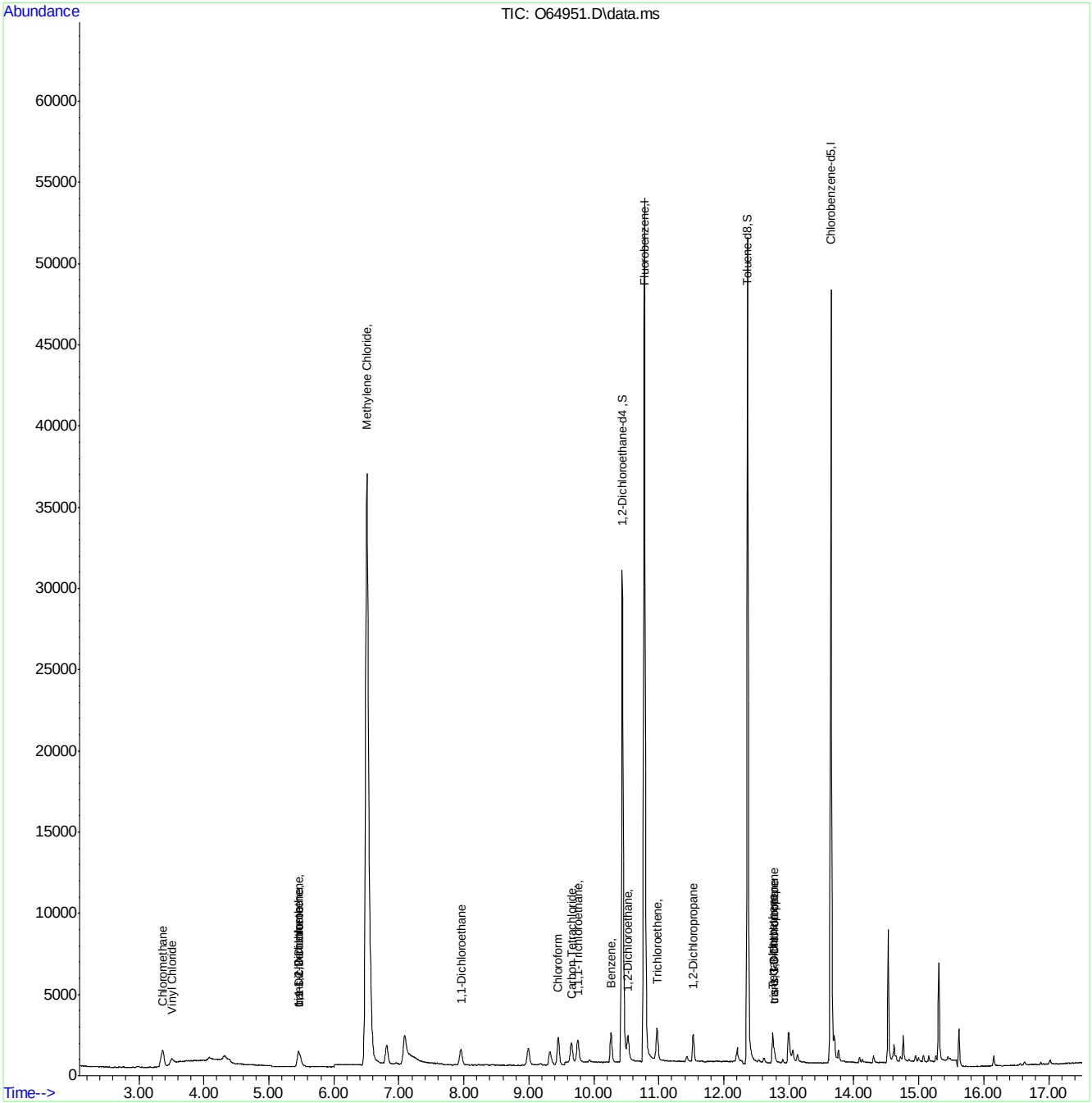
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	61547	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	41081	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29511	5.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 119.40%				
19) Toluene-d8	12.367	98	44940	4.68	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.507	62	794	0.12	ug/L		80
3) Chloromethane	3.364	50	2782	0.26	ug/L		82
4) 1,1-Dichloroethene	5.456	61	1440	0.13	ug/L		92
5) Methylene Chloride	6.506	49	45292	2.67	ug/L		92
6) trans-1,2-Dichloroethene	5.456	61	1440	0.13	ug/L		84
7) 1,1-Dichloroethane	7.956	63	1732	0.14	ug/L		92
8) cis-1,2-Dichloroethene	5.456	96	794	0.13	ug/L	#	75
9) Chloroform	9.450	83	2046m	0.12	ug/L		
10) Carbon Tetrachloride	9.656	117	1159m	0.14	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	1357	0.13	ug/L		99
12) Benzene	10.267	78	3142	0.13	ug/L		95
14) 1,2-Dichloroethane	10.525	62	1512	0.13	ug/L		93
15) Trichloroethene	10.974	95	902	0.12	ug/L		92
16) 1,2-Dichloropropane	11.531	63	829	0.12	ug/L		84
17) cis-1,3-Dichloropropene	12.774	75	715	0.08	ug/L		97
20) trans-1,3-Dichloropropene	12.774	75	715	0.09	ug/L		87
21) Tetrachloroethene	12.758	166	742	0.13	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:08:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration



Manual Integration Approval Summary

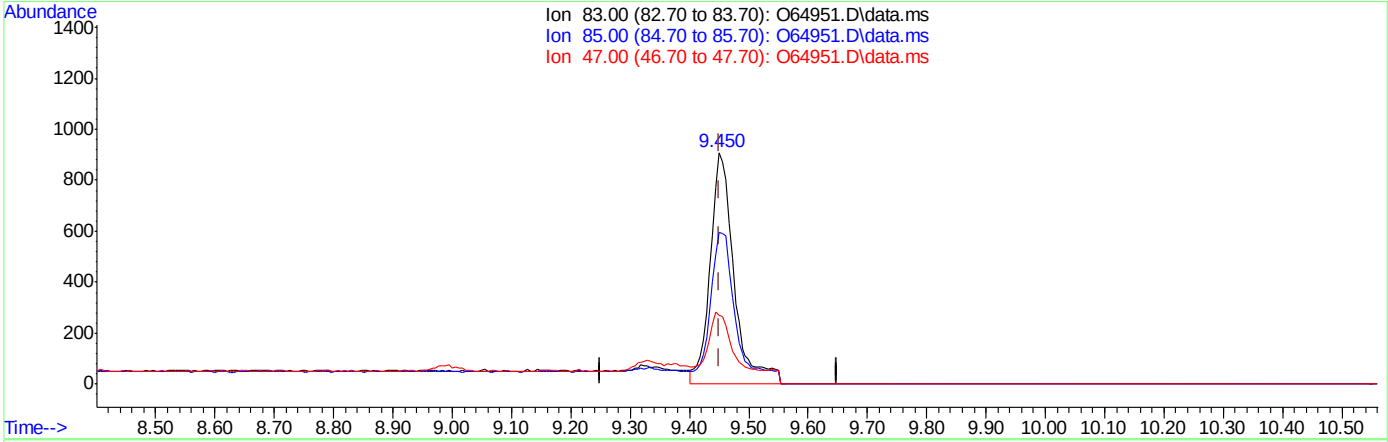
Sample Number: VO2546-IC2546
Lab FileID: O64951.D
Injection Time: 09/03/21 17:04
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:35 Charlene Gonzalez
Supervisor approved: 09/04/21 11:08 Sean Pioro

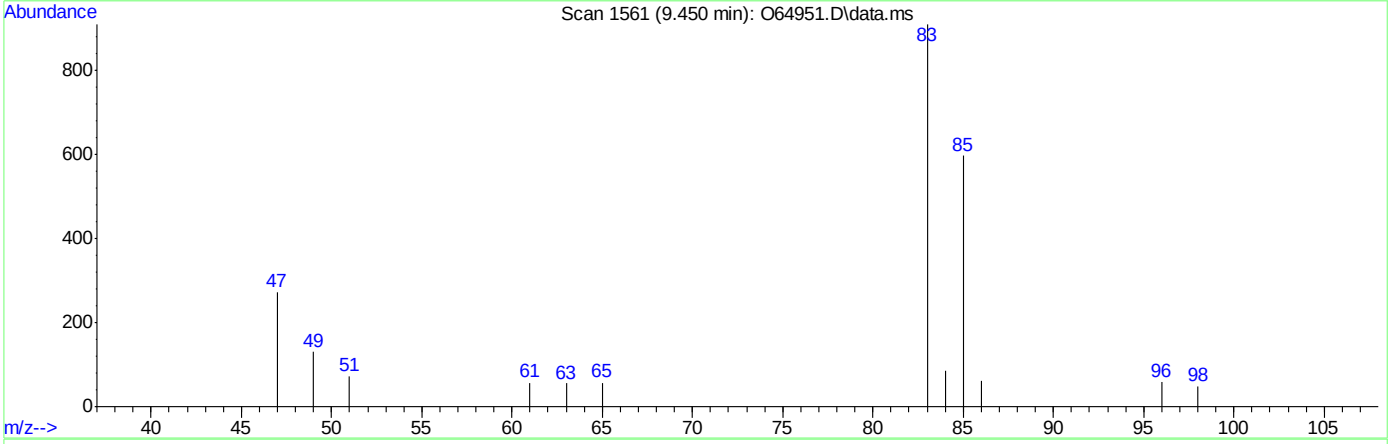
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.15ug/L

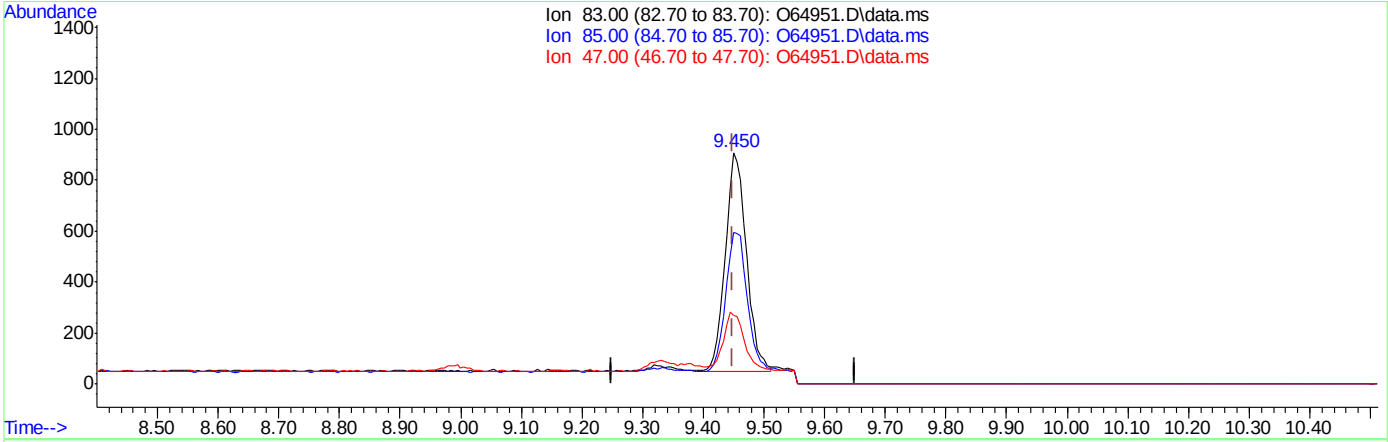
response 2544

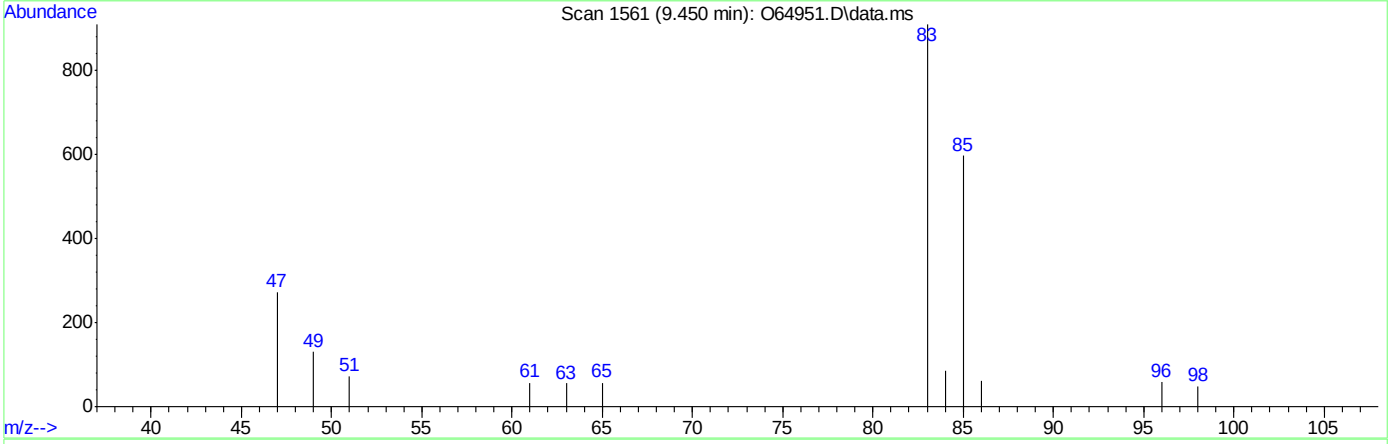
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.68
47.00	35.10	29.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L m

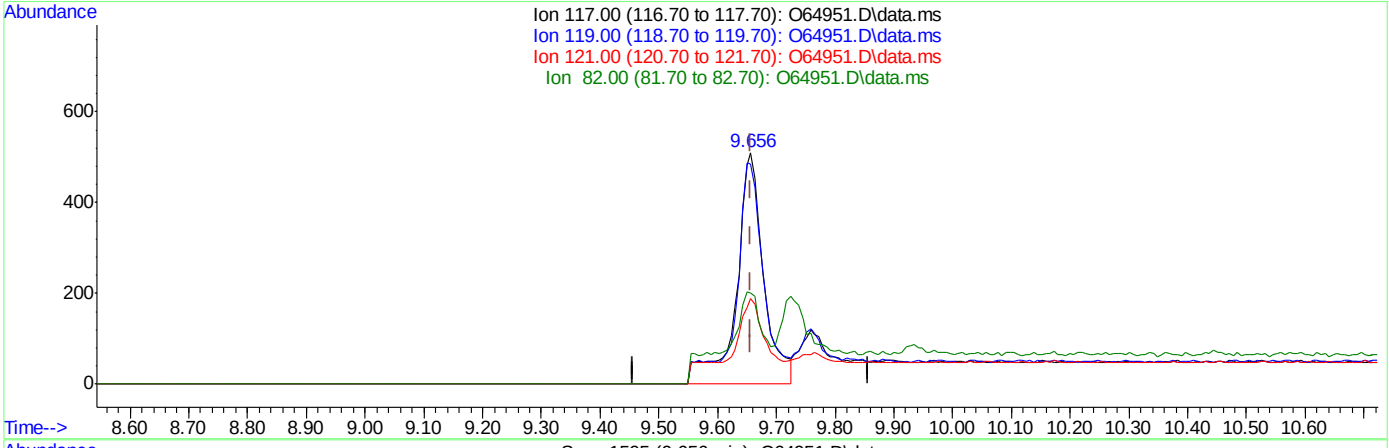
response 2046

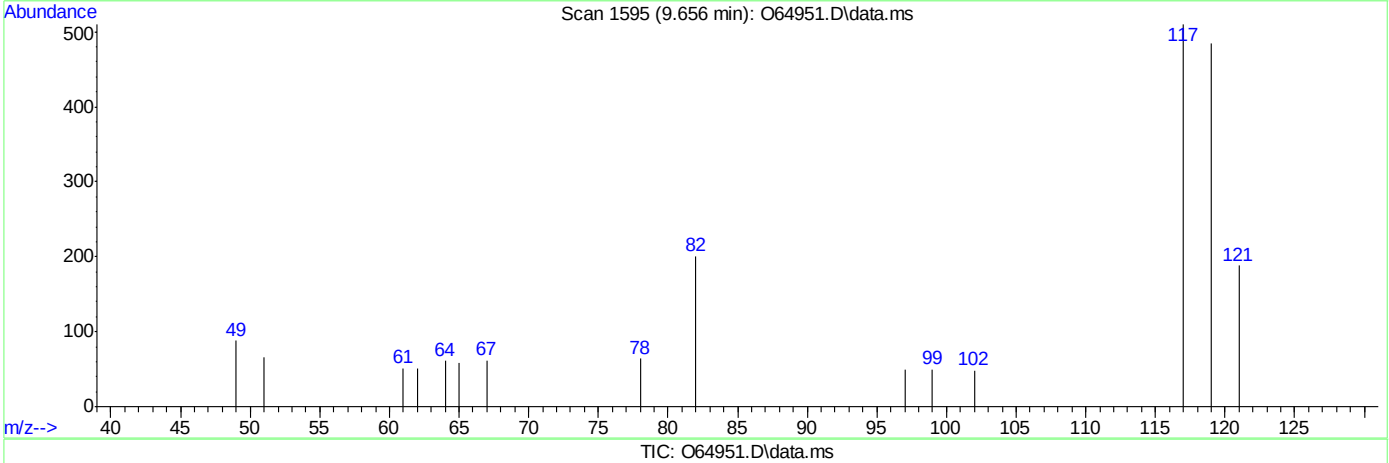
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.68
47.00	35.10	29.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.19ug/L

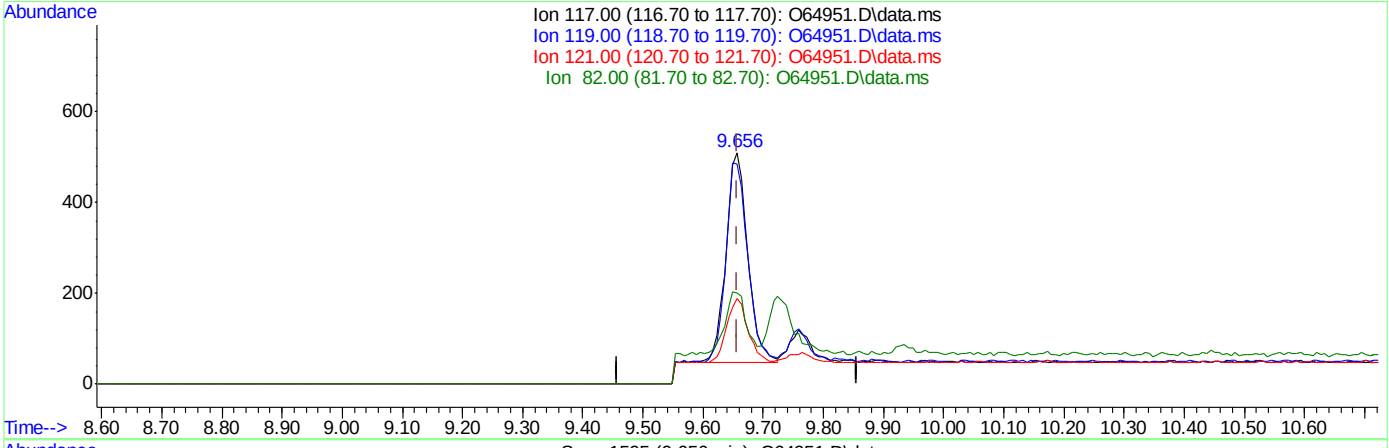
response 1641

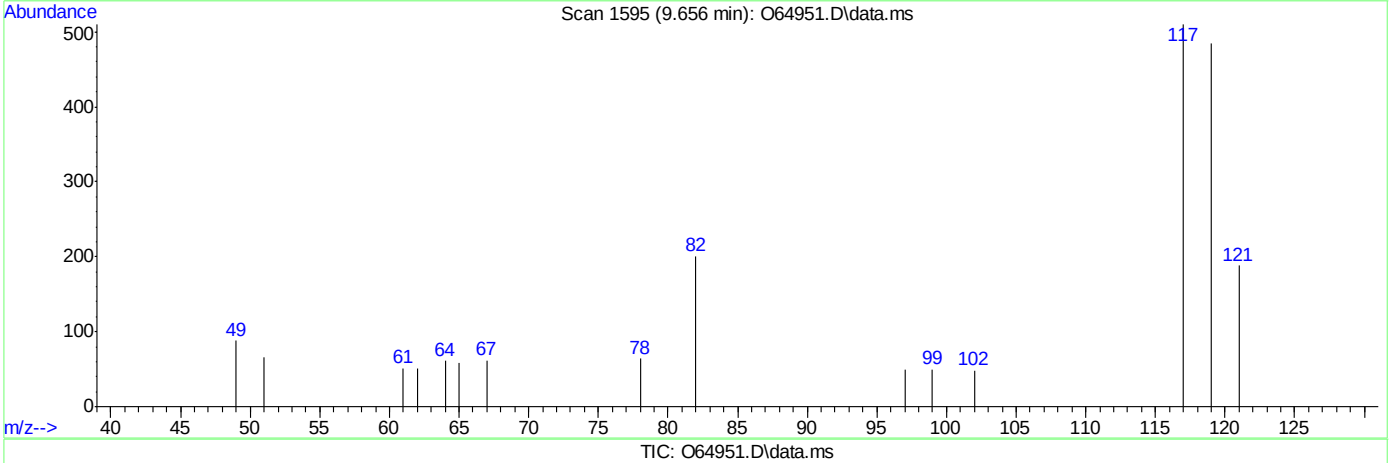
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.90
121.00	31.10	36.86
82.00	24.20	39.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.14ug/L m

response 1159

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.90
121.00	31.10	36.86
82.00	24.20	39.41

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro 09/04/21 11:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration

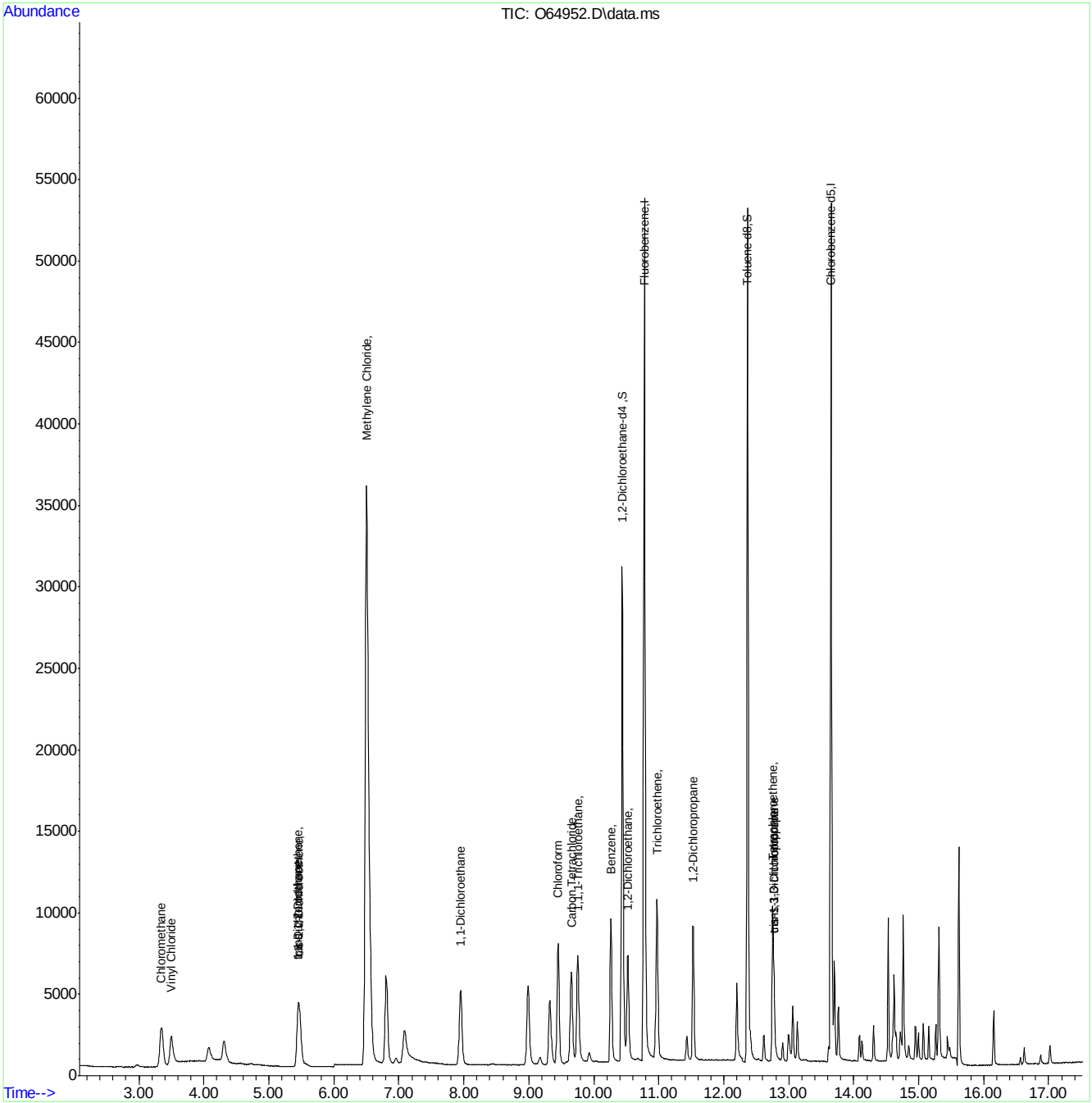
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	62011	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	40777	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29176	5.76	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 115.20%				
19) Toluene-d8	12.367	98	46548	4.93	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	3953	0.57	ug/L		99
3) Chloromethane	3.343	50	6562	0.59	ug/L		99
4) 1,1-Dichloroethene	5.448	61	6626	0.59	ug/L		90
5) Methylene Chloride	6.501	49	47811	0.63	ug/L		92
6) trans-1,2-Dichloroethene	5.448	61	6626	0.59	ug/L		83
7) 1,1-Dichloroethane	7.951	63	7966	0.61	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	3809	0.61	ug/L	#	73
9) Chloroform	9.450	83	9461	0.63	ug/L		93
10) Carbon Tetrachloride	9.657	117	5369m	0.60	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	6594	0.61	ug/L		99
12) Benzene	10.267	78	14652	0.58	ug/L		92
14) 1,2-Dichloroethane	10.525	62	7019	0.59	ug/L		94
15) Trichloroethene	10.974	95	4378	0.58	ug/L		94
16) 1,2-Dichloropropane	11.531	63	4232	0.59	ug/L		88
17) cis-1,3-Dichloropropene	12.774	75	3889	0.46	ug/L		96
20) trans-1,3-Dichloropropene	12.774	75	3889	0.47	ug/L		88
21) Tetrachloroethene	12.752	166	3566	0.60	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VO2546-IC2546
Lab FileID: O64952.D
Injection Time: 09/03/21 17:28

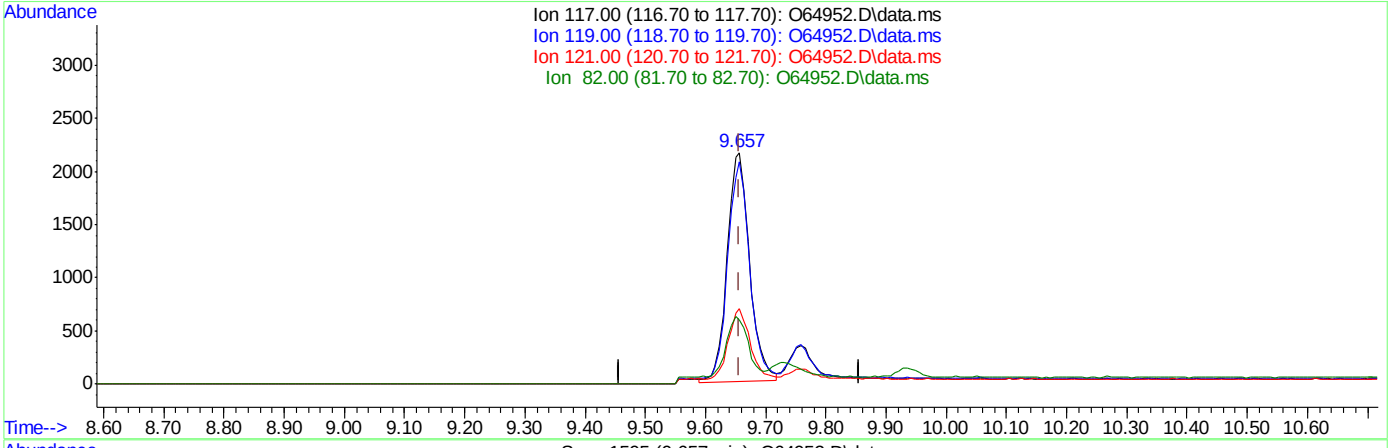
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:35 Charlene Gonzalez
Supervisor approved: 09/04/21 11:08 Sean Pioro

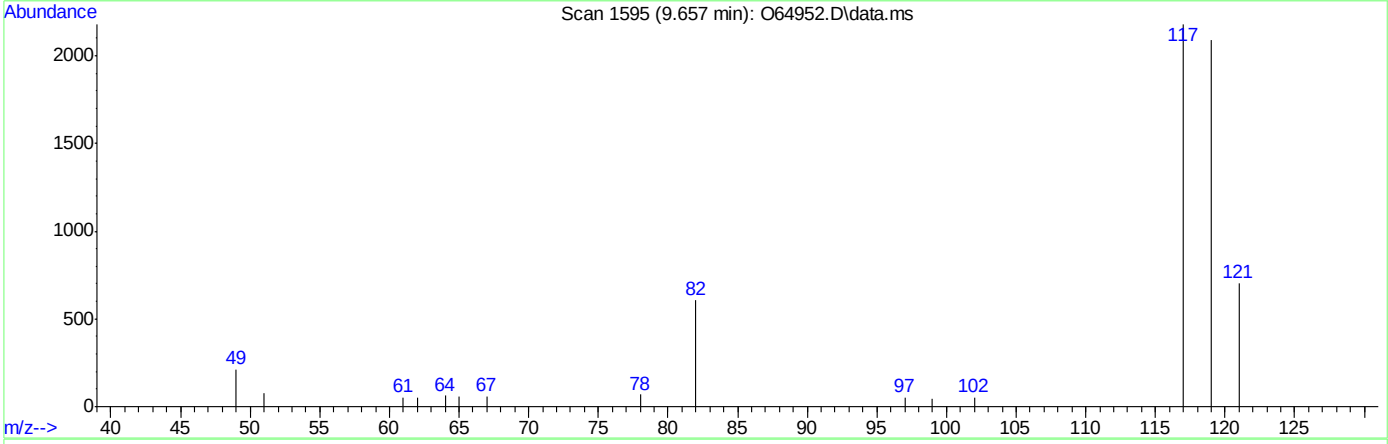
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration





TIC: O64952.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.62ug/L

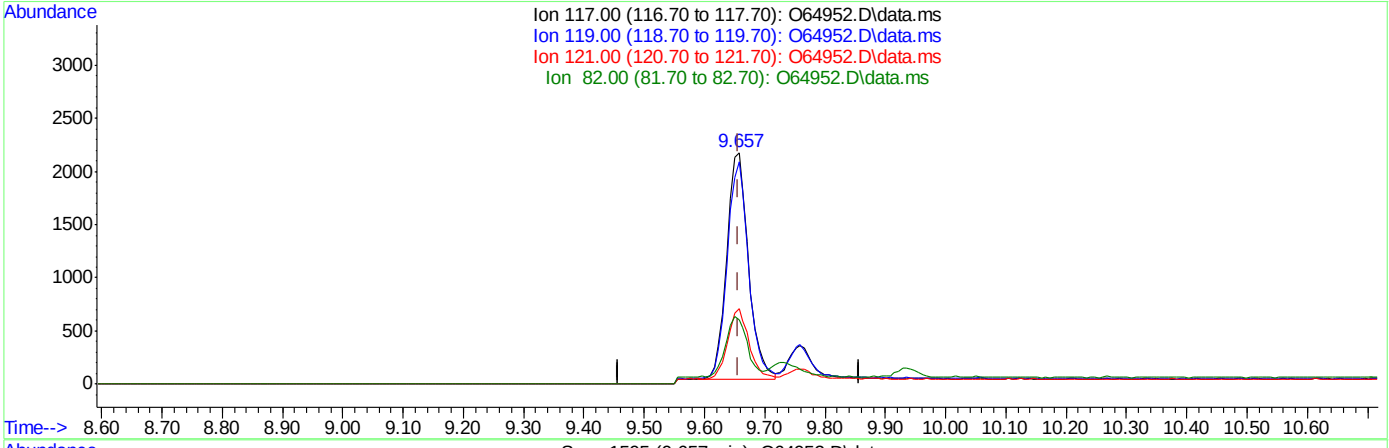
response 5535

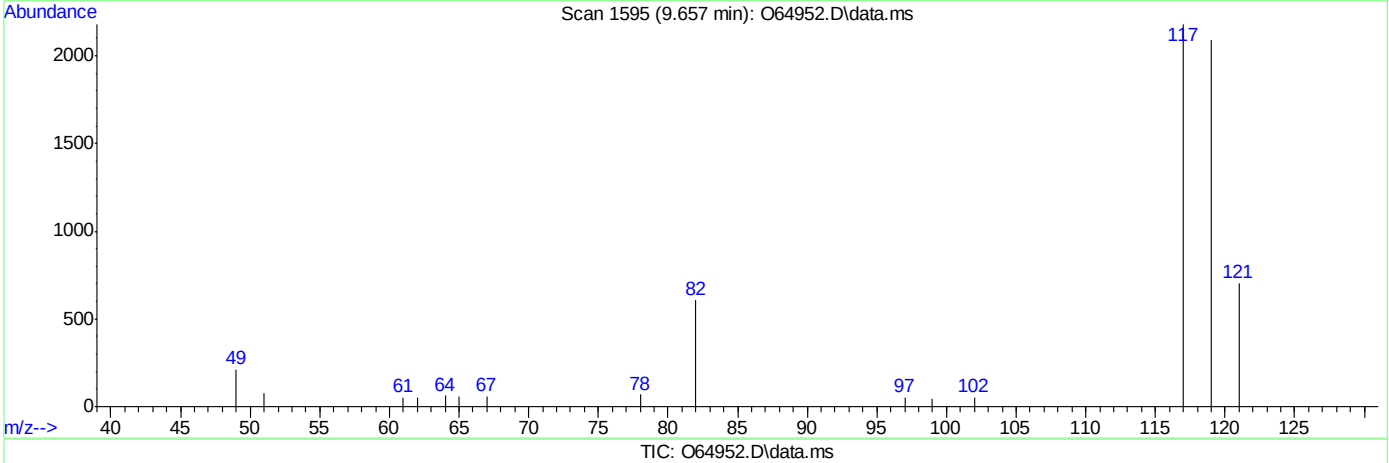
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.54
121.00	31.10	30.61
82.00	24.20	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration





TIC: O64952.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.60ug/L m

response 5369

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.87
121.00	31.10	32.35
82.00	24.20	27.95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64953.D
Acq On : 3 Sep 2021 5:50 pm
Operator : CHARLENG
Sample : IC2546-3 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:09:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:13 2021
Response via : Initial Calibration

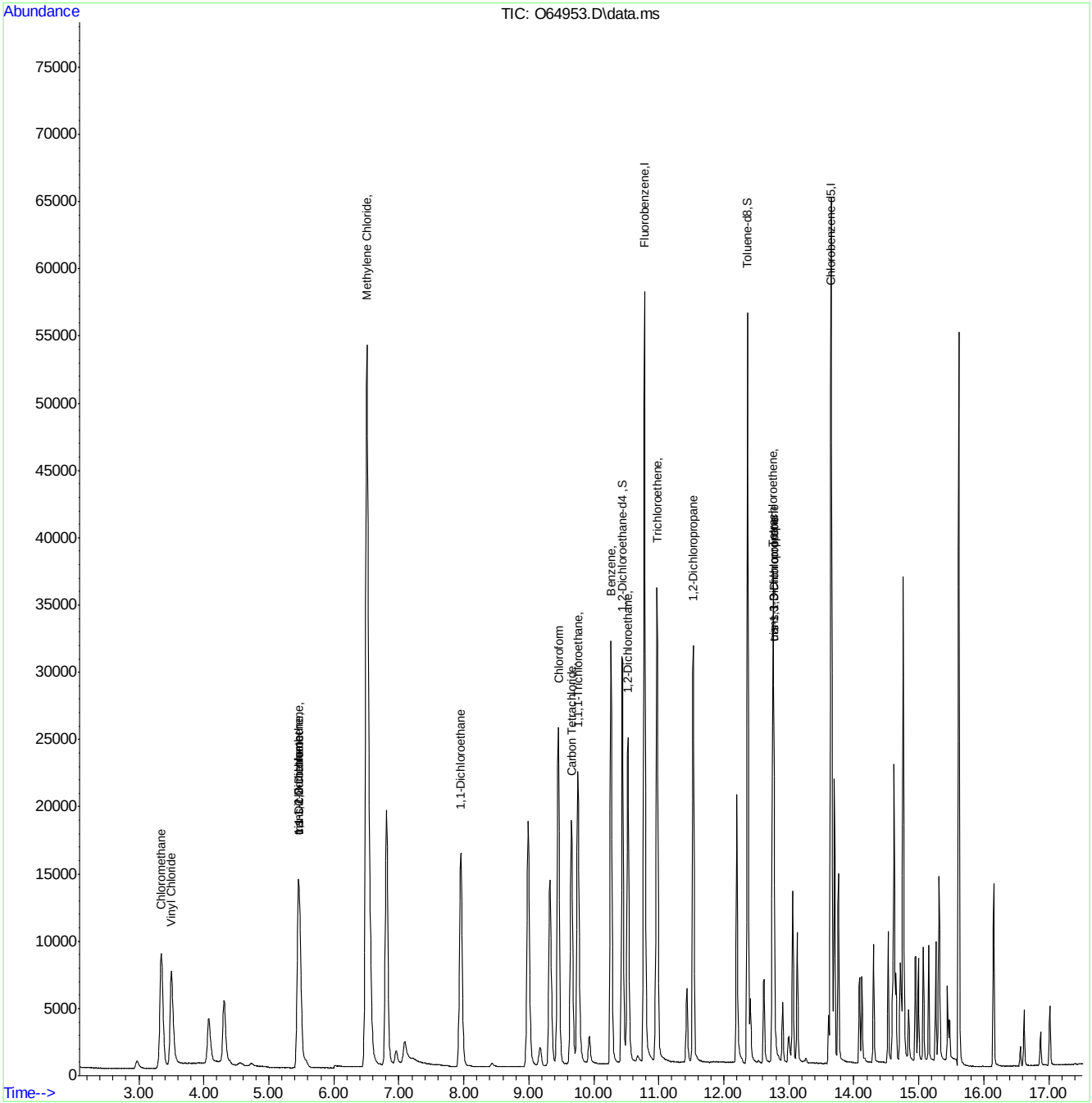
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	65790	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	44023	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28565	5.23	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%				
19) Toluene-d8	12.367	98	48227	4.76	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	15549	2.08	ug/L		100
3) Chloromethane	3.343	50	20867	1.73	ug/L		98
4) 1,1-Dichloroethene	5.456	61	22002	1.82	ug/L		90
5) Methylene Chloride	6.506	49	67189	0.73	ug/L		91
6) trans-1,2-Dichloroethene	5.456	61	22002	1.82	ug/L		84
7) 1,1-Dichloroethane	7.951	63	27571	1.94	ug/L		98
8) cis-1,2-Dichloroethene	5.460	96	12469	1.85	ug/L	#	74
9) Chloroform	9.456	83	30911	1.92	ug/L		93
10) Carbon Tetrachloride	9.656	117	17302	1.81	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	21729	1.85	ug/L		98
12) Benzene	10.267	78	50978	1.86	ug/L		91
14) 1,2-Dichloroethane	10.525	62	25678	2.00	ug/L		94
15) Trichloroethene	10.974	95	15243	1.88	ug/L		93
16) 1,2-Dichloropropane	11.531	63	15028	1.94	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	16053	1.77	ug/L		95
20) trans-1,3-Dichloropropene	12.769	75	16053	1.80	ug/L		88
21) Tetrachloroethene	12.752	166	12021	1.84	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64953.D
Acq On : 3 Sep 2021 5:50 pm
Operator : CHARLENG
Sample : IC2546-3 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:09:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64954.D
Acq On : 3 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : IC2546-4 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 08:09:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:28 2021
Response via : Initial Calibration

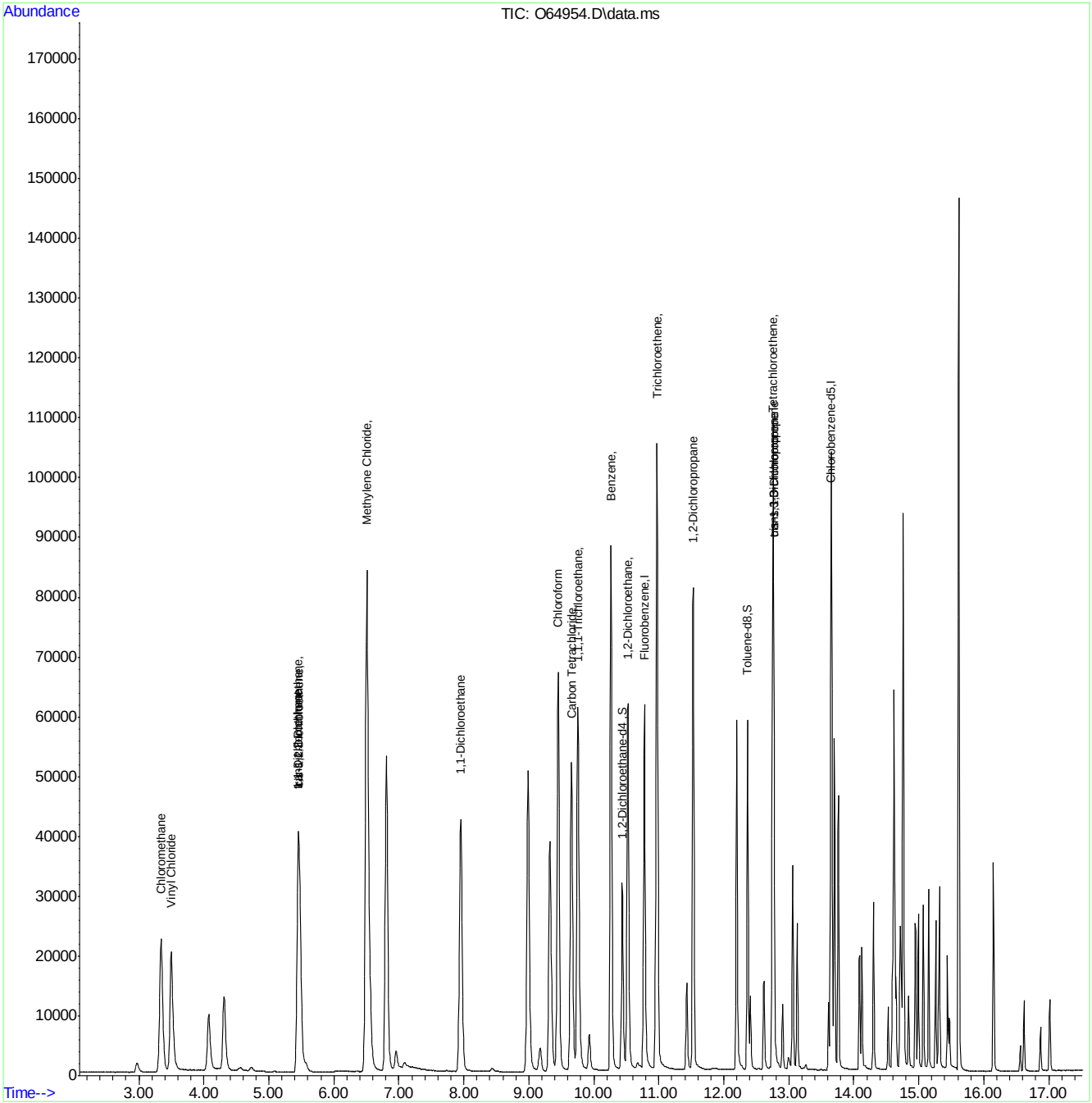
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	69237	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	46631	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28382	4.89	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.80%				
19) Toluene-d8	12.367	98	50197	4.72	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	43050	5.38	ug/L		99
3) Chloromethane	3.339	50	53025	4.09	ug/L		97
4) 1,1-Dichloroethene	5.452	61	62647	4.86	ug/L		91
5) Methylene Chloride	6.506	49	103701	1.04	ug/L		90
6) trans-1,2-Dichloroethene	5.452	61	62647	4.86	ug/L		85
7) 1,1-Dichloroethane	7.951	63	73824	4.82	ug/L		96
8) cis-1,2-Dichloroethene	5.456	96	35572	4.93	ug/L	#	74
9) Chloroform	9.450	83	80129	4.65	ug/L		94
10) Carbon Tetrachloride	9.656	117	48531	4.77	ug/L		96
11) 1,1,1-Trichloroethane	9.758	97	60429	4.82	ug/L		98
12) Benzene	10.267	78	140618	4.80	ug/L		91
14) 1,2-Dichloroethane	10.525	62	64870	4.68	ug/L		94
15) Trichloroethene	10.974	95	43384	5.00	ug/L		94
16) 1,2-Dichloropropane	11.531	63	39485	4.74	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	44723	4.64	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	44723	4.67	ug/L		88
21) Tetrachloroethene	12.752	166	33776	4.82	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64954.D
Acq On : 3 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : IC2546-4 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 08:09:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:28 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64955.D
Acq On : 3 Sep 2021 6:36 pm
Operator : CHARLENG
Sample : ICC2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 08:09:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:57 2021
Response via : Initial Calibration

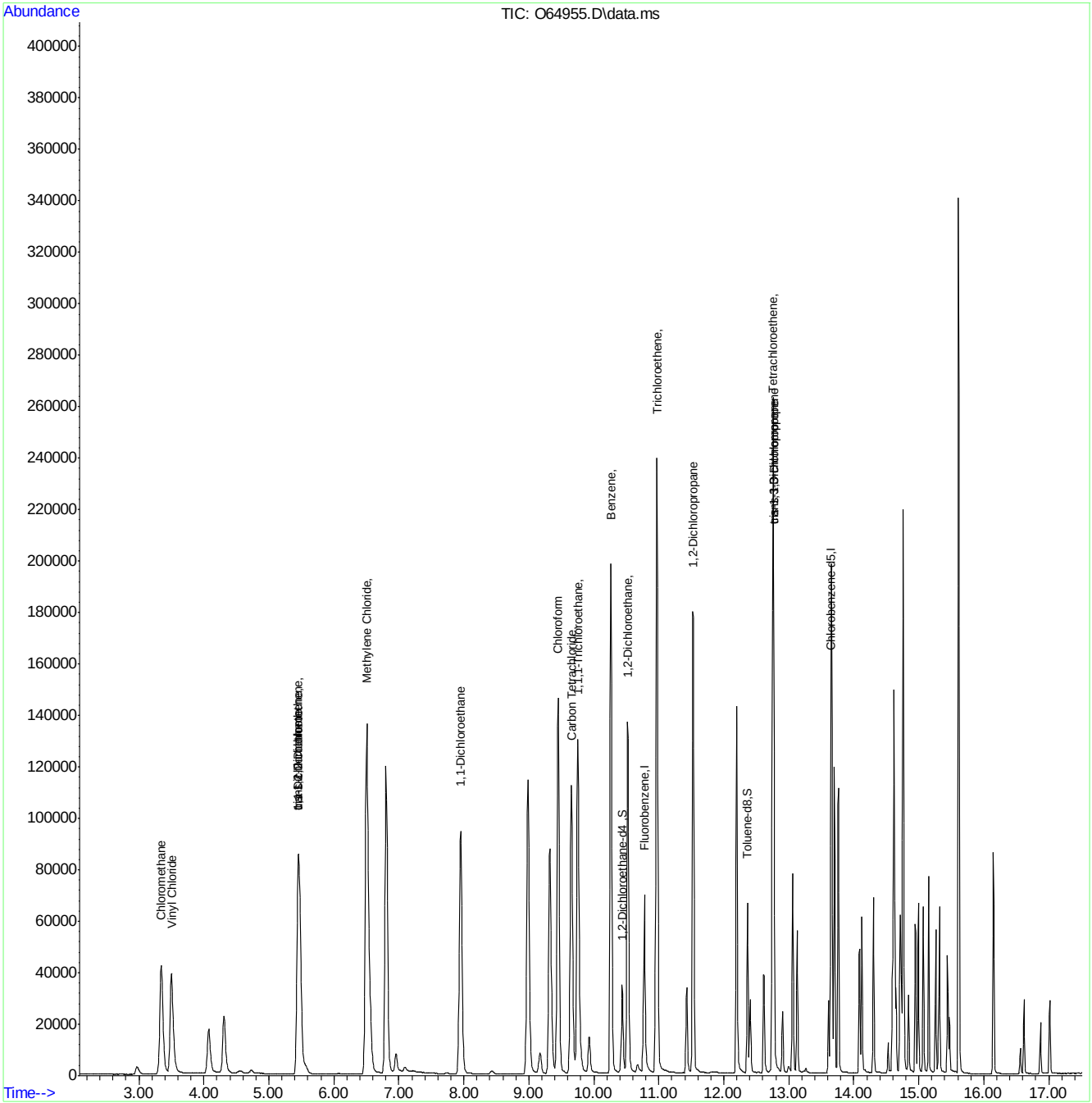
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	76079	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	52353	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30235	4.72	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.40%				
19) Toluene-d8	12.367	98	56075	4.74	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.503	62	88453	9.77	ug/L		99
3) Chloromethane	3.343	50	103759	7.10	ug/L		97
4) 1,1-Dichloroethene	5.452	61	140527	9.83	ug/L		92
5) Methylene Chloride	6.501	49	176745	1.59	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	140527	9.83	ug/L		85
7) 1,1-Dichloroethane	7.951	63	161841	9.54	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	79818	9.95	ug/L	#	76
9) Chloroform	9.450	83	172592	9.08	ug/L		94
10) Carbon Tetrachloride	9.656	117	106774	9.49	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	132611	9.56	ug/L		99
12) Benzene	10.267	78	317597	9.82	ug/L		90
14) 1,2-Dichloroethane	10.518	62	141256	9.29	ug/L		91
15) Trichloroethene	10.974	95	97900	10.18	ug/L		94
16) 1,2-Dichloropropane	11.525	63	87965	9.62	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	109003	10.47	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	109003	10.30	ug/L		87
21) Tetrachloroethene	12.752	166	76740	9.71	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64955.D
Acq On : 3 Sep 2021 6:36 pm
Operator : CHARLENG
Sample : ICC2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 08:09:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64956.D
Acq On : 3 Sep 2021 6:59 pm
Operator : CHARLENG
Sample : IC2546-6 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 08:10:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:20 2021
Response via : Initial Calibration

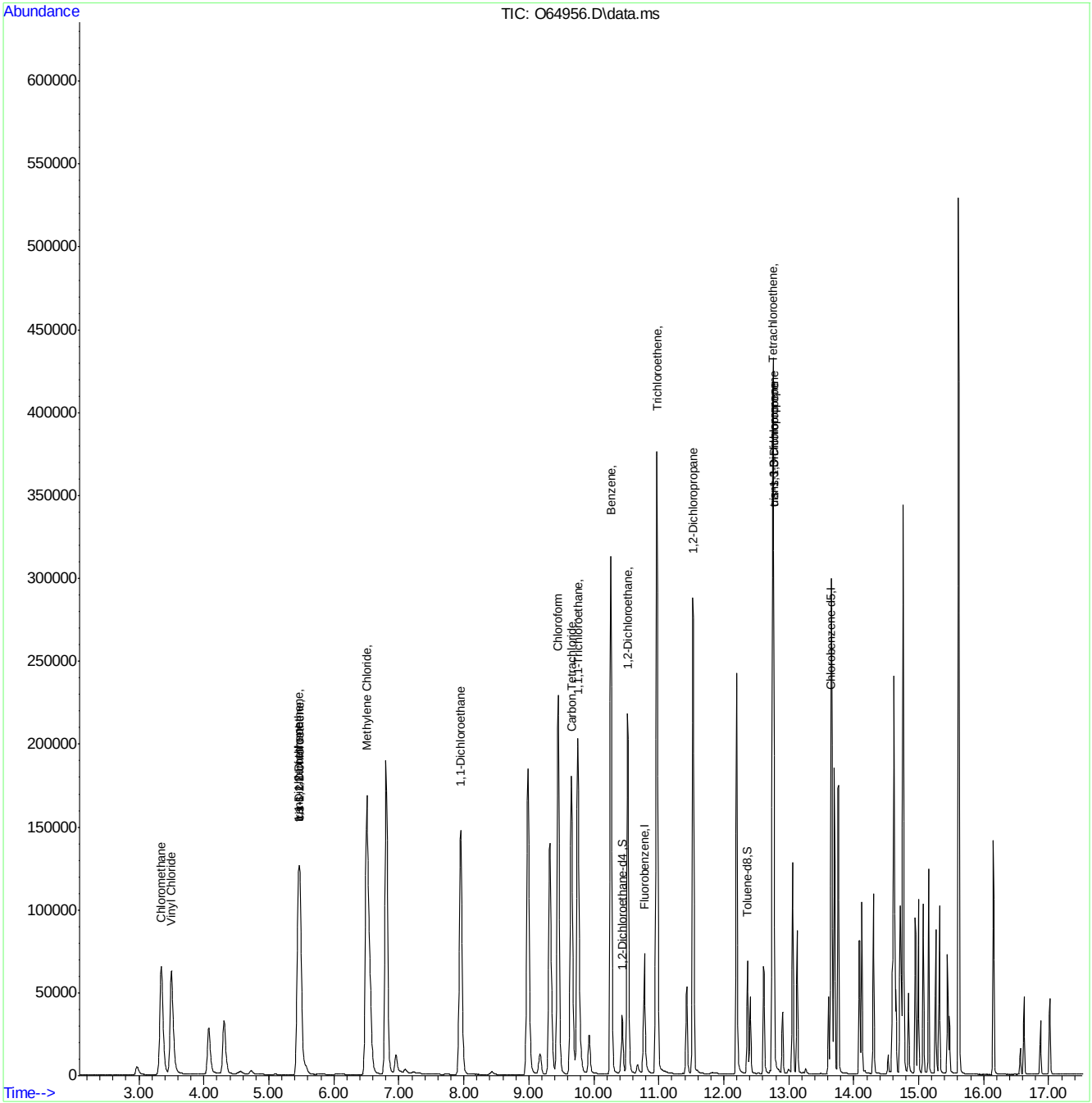
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	77704	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	53935	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30845	4.69	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.80%				
19) Toluene-d8	12.367	98	59466	4.94	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	141073	15.19	ug/L		100
3) Chloromethane	3.343	50	162003	10.76	ug/L		97
4) 1,1-Dichloroethene	5.465	61	223977	15.27	ug/L		92
5) Methylene Chloride	6.506	49	248319	2.18	ug/L		89
6) trans-1,2-Dichloroethene	5.465	61	223977	15.27	ug/L		85
7) 1,1-Dichloroethane	7.951	63	253793	14.56	ug/L		97
8) cis-1,2-Dichloroethene	5.469	96	127081	15.38	ug/L	#	75
9) Chloroform	9.450	83	267768	13.74	ug/L		93
10) Carbon Tetrachloride	9.657	117	171171	14.87	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	208267	14.70	ug/L		99
12) Benzene	10.267	78	501442	15.12	ug/L		90
14) 1,2-Dichloroethane	10.519	62	219093	14.09	ug/L		92
15) Trichloroethene	10.974	95	154040	15.57	ug/L		95
16) 1,2-Dichloropropane	11.525	63	139763	14.94	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	180331	17.09	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	180331	16.68	ug/L		86
21) Tetrachloroethene	12.752	166	121089	14.85	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64956.D
Acq On : 3 Sep 2021 6:59 pm
Operator : CHARLENG
Sample : IC2546-6 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 08:10:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:20 2021
Response via : Initial Calibration



SIMCL-09-03-2021.M Sat Sep 04 08:29:06 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64957.D
Acq On : 3 Sep 2021 7:23 pm
Operator : CHARLENG
Sample : IC2546-7 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 08:10:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:36 2021
Response via : Initial Calibration

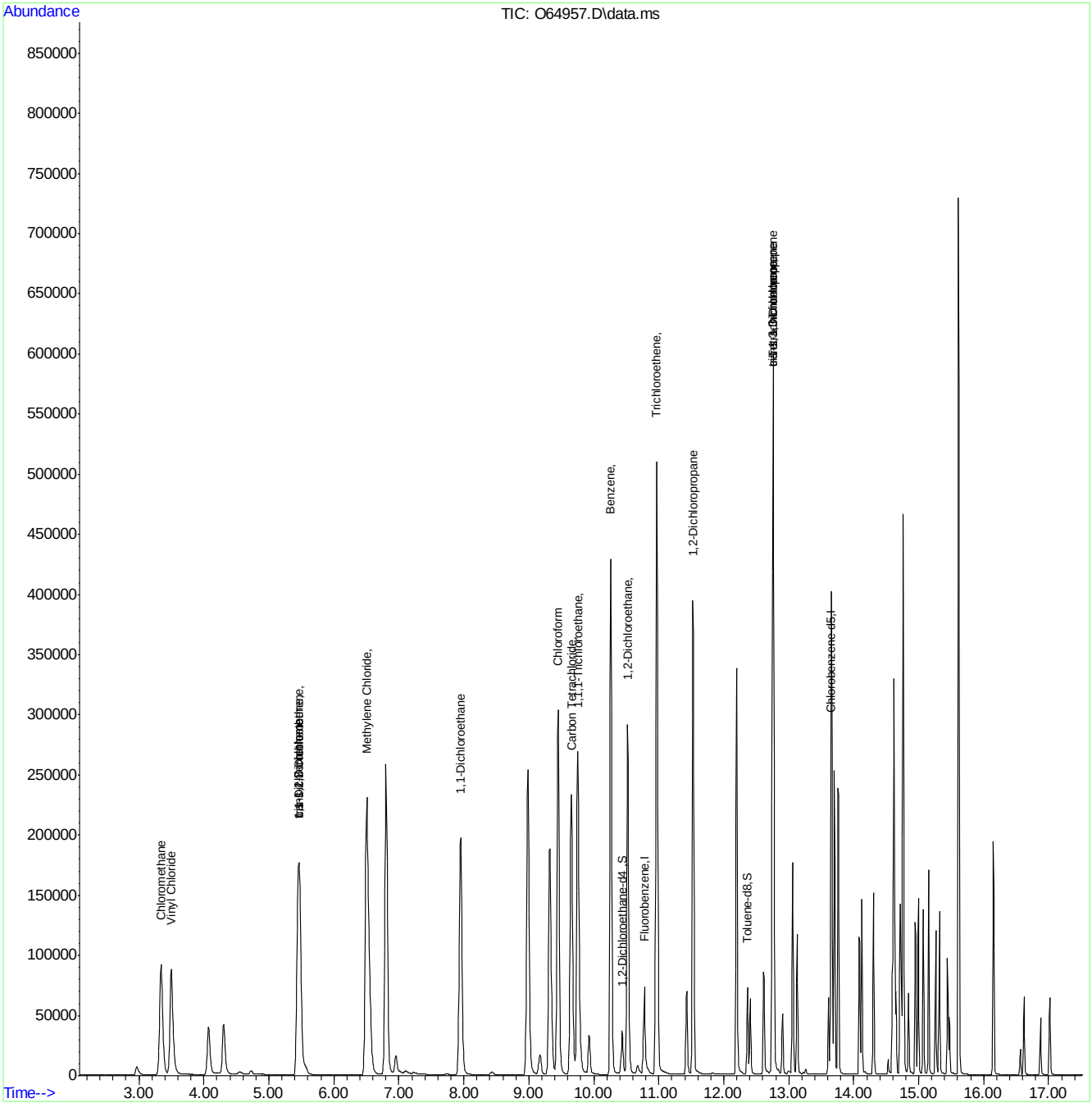
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	79727	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	55521	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	31380	4.64	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.80%				
19) Toluene-d8	12.367	98	61363	4.98	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	191010	19.71	ug/L		99
3) Chloromethane	3.339	50	218165	13.93	ug/L		97
4) 1,1-Dichloroethene	5.456	61	302590	19.56	ug/L		92
5) Methylene Chloride	6.501	49	328166	2.79	ug/L		92
6) trans-1,2-Dichloroethene	5.456	61	302590	19.56	ug/L		86
7) 1,1-Dichloroethane	7.951	63	340361	18.68	ug/L		96
8) cis-1,2-Dichloroethene	5.461	96	172020	19.70	ug/L	#	75
9) Chloroform	9.450	83	356372	17.57	ug/L		93
10) Carbon Tetrachloride	9.657	117	225659	18.62	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	280514	18.90	ug/L		98
12) Benzene	10.261	78	680027	19.63	ug/L		94
14) 1,2-Dichloroethane	10.519	62	293821	18.26	ug/L		92
15) Trichloroethene	10.968	95	206366	19.84	ug/L		93
16) 1,2-Dichloropropane	11.525	63	190756	19.62	ug/L		92
17) cis-1,3-Dichloropropene	12.763	75	252290	23.21	ug/L		95
20) trans-1,3-Dichloropropene	12.763	75	252290	22.64	ug/L		88
21) Tetrachloroethene	12.752	166	164561	19.20	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64957.D
Acq On : 3 Sep 2021 7:23 pm
Operator : CHARLENG
Sample : IC2546-7 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 08:10:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64959.D
Acq On : 3 Sep 2021 8:09 pm
Operator : CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:21:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

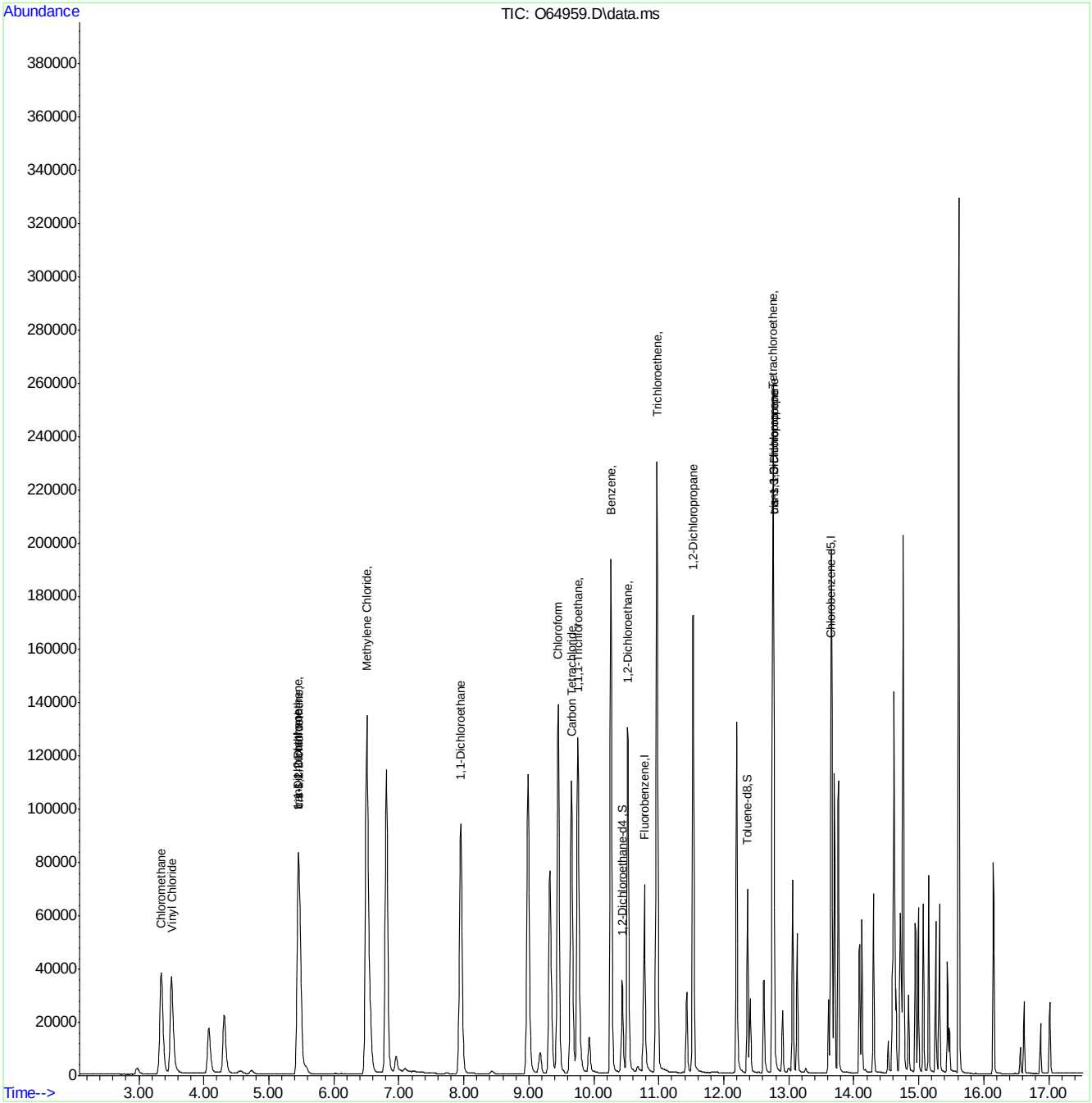
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	78432	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	54670	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30885	4.62	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.40%				
19) Toluene-d8	12.367	98	58716	4.89	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.503	62	80978	8.44	ug/L		99
3) Chloromethane	3.343	50	94120	8.44	ug/L		98
4) 1,1-Dichloroethene	5.452	61	133734	8.76	ug/L		90
5) Methylene Chloride	6.506	49	167983	1.45	ug/L		90
6) trans-1,2-Dichloroethene	5.452	61	133734	8.76	ug/L		84
7) 1,1-Dichloroethane	7.951	63	161755	8.99	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	75972	8.79	ug/L	#	75
9) Chloroform	9.450	83	165403	9.16	ug/L		94
10) Carbon Tetrachloride	9.656	117	103268	8.68	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	126364	8.66	ug/L		99
12) Benzene	10.267	78	306286	8.96	ug/L		91
14) 1,2-Dichloroethane	10.518	62	135604	8.57	ug/L		91
15) Trichloroethene	10.974	95	94870	9.21	ug/L		94
16) 1,2-Dichloropropane	11.531	63	85816	8.96	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	108253	10.18	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	108253	9.92	ug/L		87
21) Tetrachloroethene	12.752	166	75104	8.89	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64959.D
Acq On : 3 Sep 2021 8:09 pm
Operator : CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:21:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64962.D
Acq On : 4 Sep 2021 9:23 am
Operator : CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 09:50:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

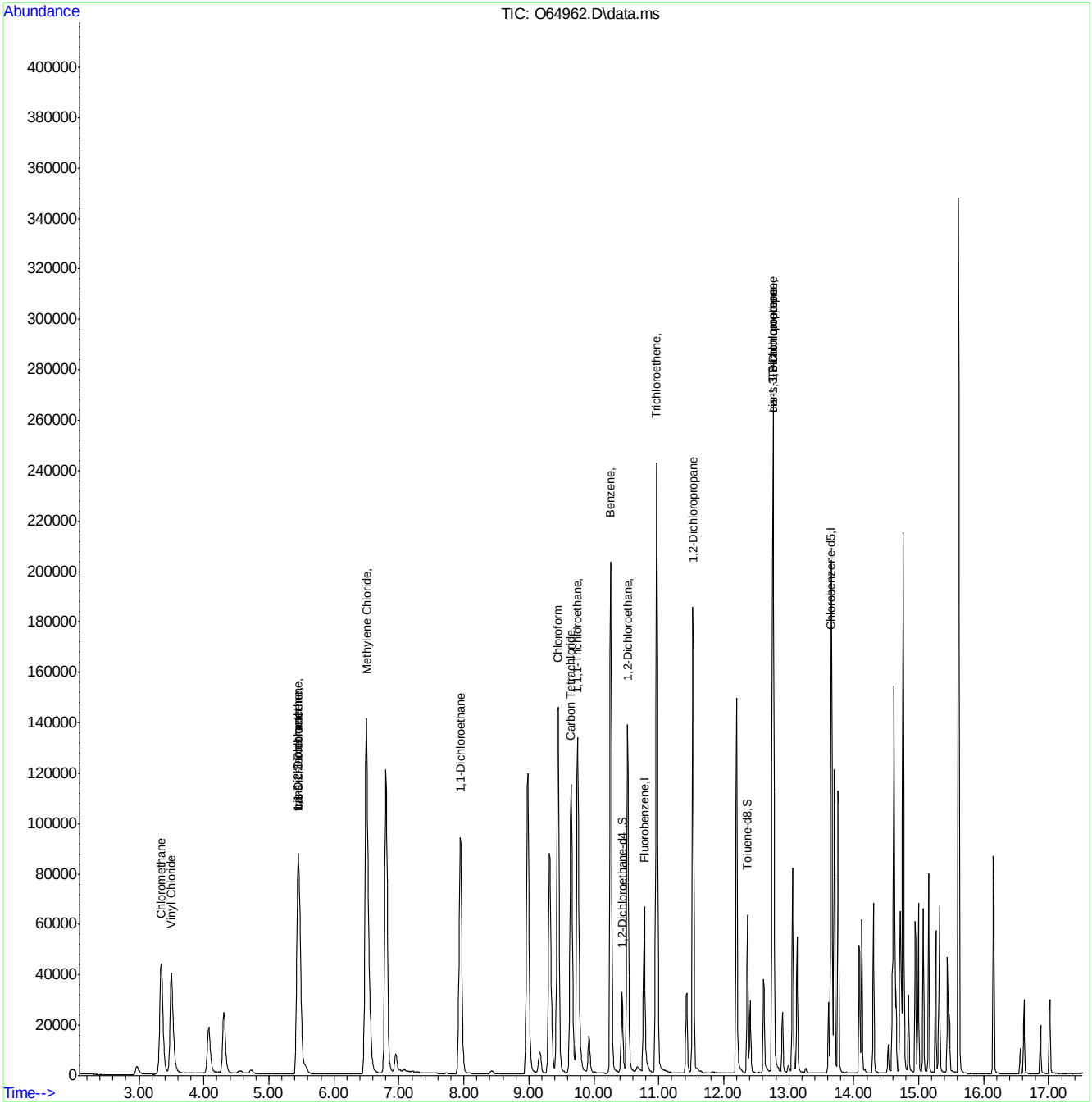
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	73944	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	50531	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28636	4.55	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.00%				
19) Toluene-d8	12.362	98	55833	5.03	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	92913	10.27	ug/L		98
3) Chloromethane	3.339	50	108670	10.41	ug/L		98
4) 1,1-Dichloroethene	5.448	61	139897	9.72	ug/L		92
5) Methylene Chloride	6.501	49	180058	1.64	ug/L		89
6) trans-1,2-Dichloroethene	5.448	61	139897	9.72	ug/L		85
7) 1,1-Dichloroethane	7.946	63	162797	9.60	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	79838	9.80	ug/L	#	75
9) Chloroform	9.450	83	174438	10.27	ug/L		93
10) Carbon Tetrachloride	9.650	117	109667	9.78	ug/L		96
11) 1,1,1-Trichloroethane	9.752	97	134782	9.80	ug/L		99
12) Benzene	10.261	78	322540	10.01	ug/L		93
14) 1,2-Dichloroethane	10.519	62	142266	9.53	ug/L		93
15) Trichloroethene	10.968	95	97981	10.09	ug/L		93
16) 1,2-Dichloropropane	11.525	63	89584	9.92	ug/L		91
17) cis-1,3-Dichloropropene	12.763	75	115581	11.53	ug/L		96
20) trans-1,3-Dichloropropene	12.763	75	115581	11.46	ug/L		88
21) Tetrachloroethene	12.752	166	77812	9.97	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64962.D
Acq On : 4 Sep 2021 9:23 am
Operator : CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 09:50:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 08:43:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

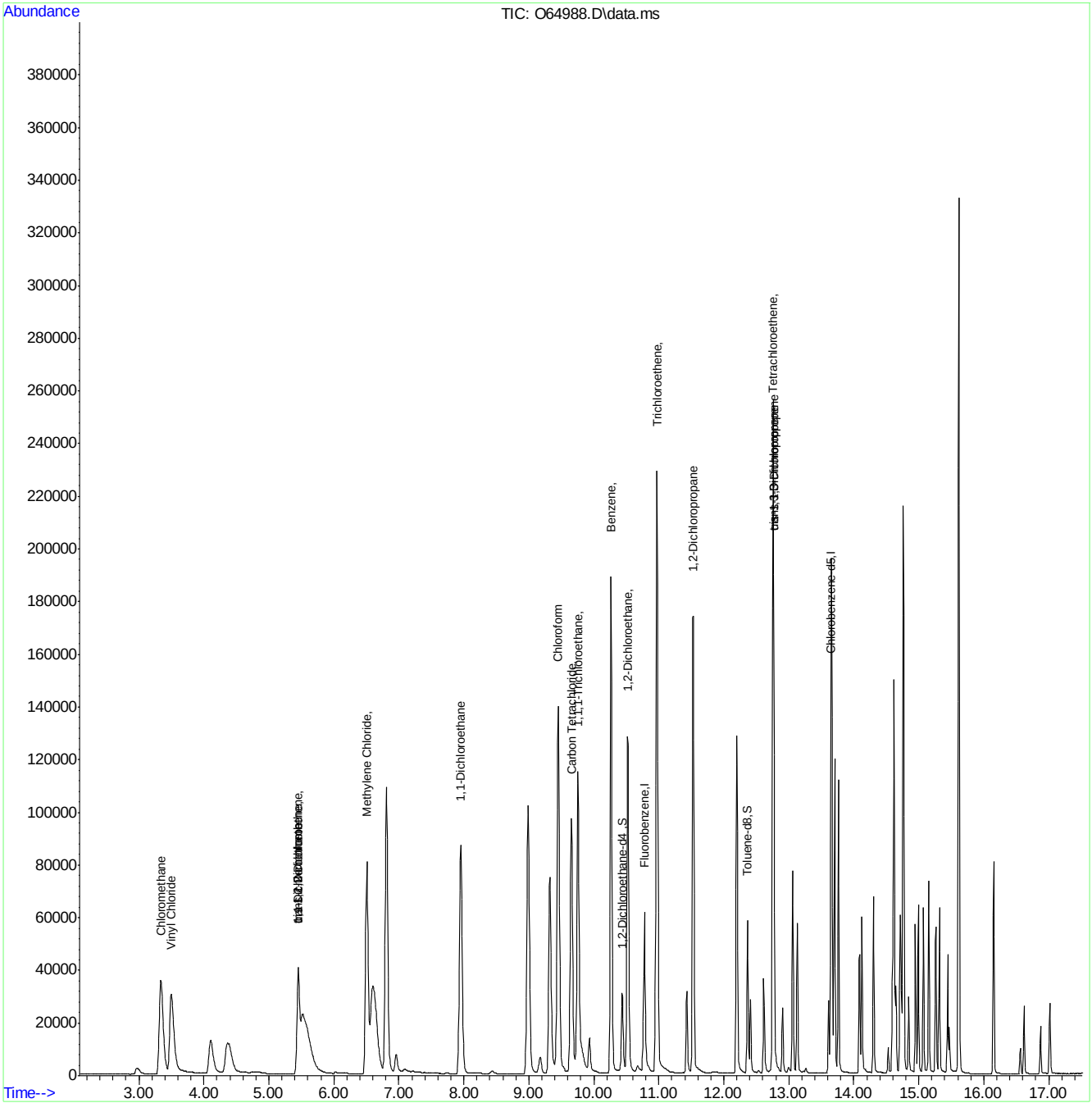
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	66826	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	49620	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26975	4.74	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.80%			
19) Toluene-d8	12.367	98	48957	4.49	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	89819	10.99	ug/L	98
3) Chloromethane	3.335	50	108179	11.51	ug/L	97
4) 1,1-Dichloroethene	5.452	61	47697m	3.67	ug/L	
5) Methylene Chloride	6.506	49	86045	0.87	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	49683m	3.82	ug/L	
7) 1,1-Dichloroethane	7.951	63	152230	9.93	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	26706m	3.63	ug/L	
9) Chloroform	9.450	83	164621	10.74	ug/L	94
10) Carbon Tetrachloride	9.657	117	91706	9.05	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	118974	9.57	ug/L	99
12) Benzene	10.267	78	300935	10.33	ug/L	90
14) 1,2-Dichloroethane	10.519	62	134392	9.97	ug/L	92
15) Trichloroethene	10.974	95	94911	10.82	ug/L	94
16) 1,2-Dichloropropane	11.531	63	86034	10.55	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	104342	11.52	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	104342	10.53	ug/L	87
21) Tetrachloroethene	12.752	166	76343	9.96	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 08:43:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

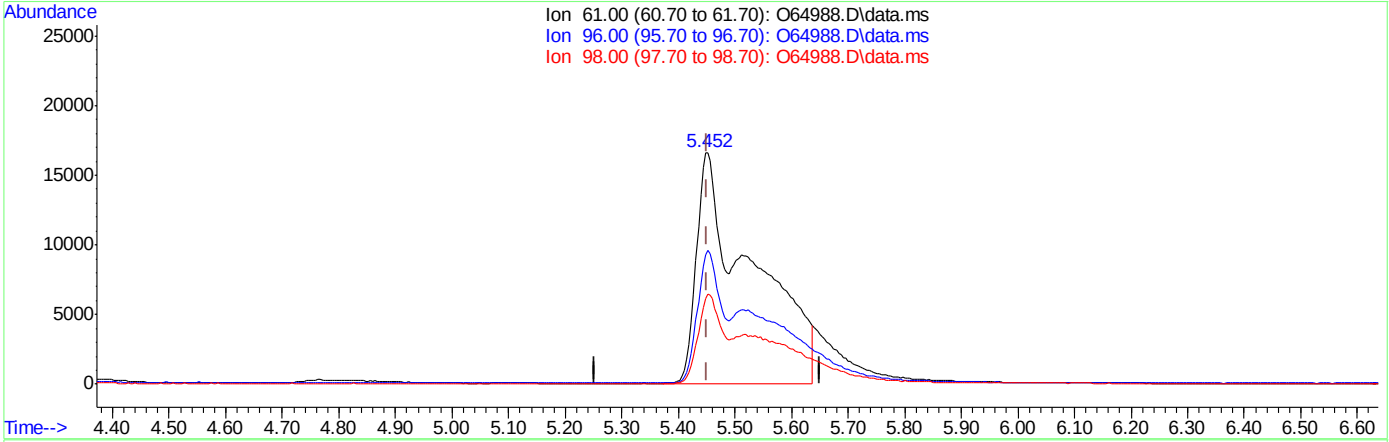
Sample Number: VO2547-ECC2546
Lab FileID: O64988.D
Injection Time: 09/04/21 19:26
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

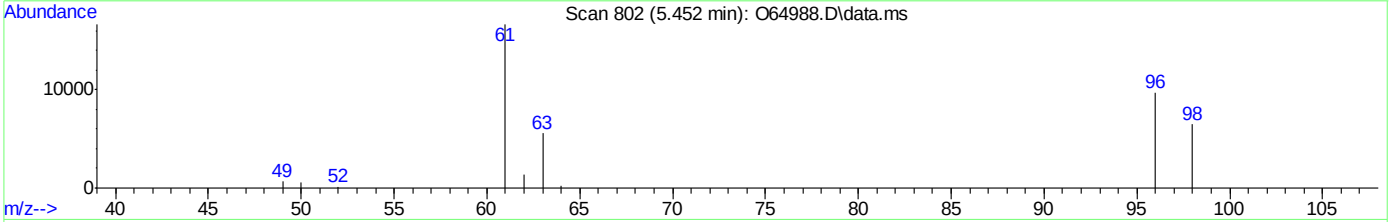
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak

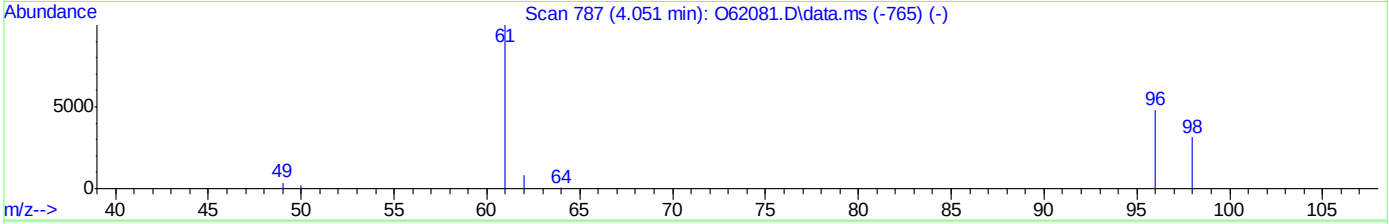
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 8.73ug/L

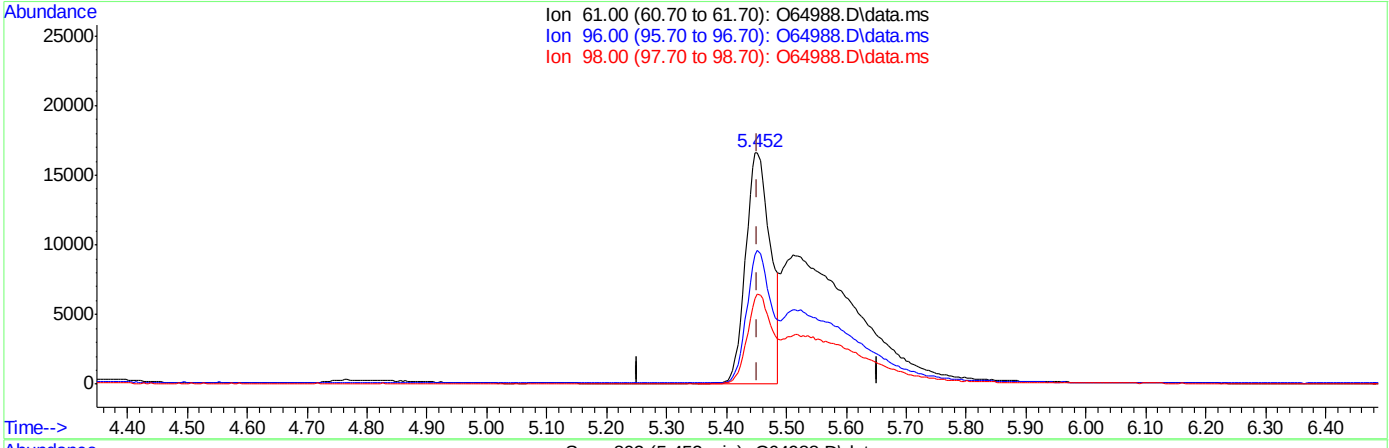
response 113519

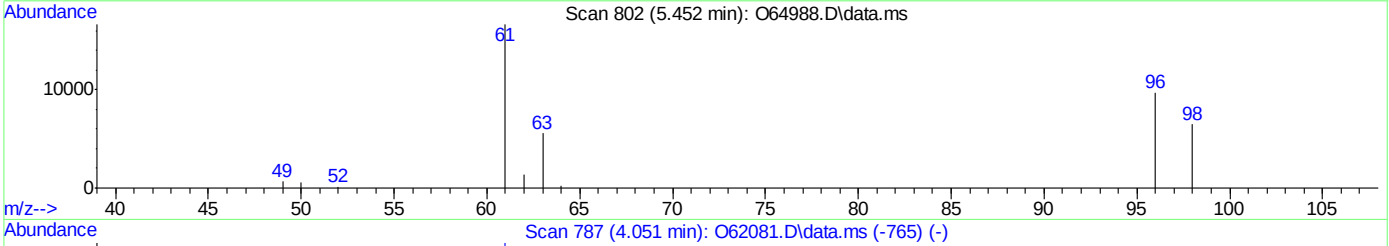
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.71
98.00	40.70	38.70
0.00	0.00	0.00

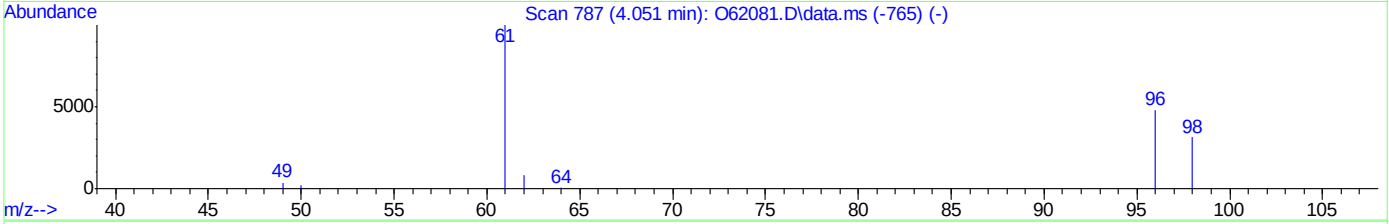
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 3.67ug/L m

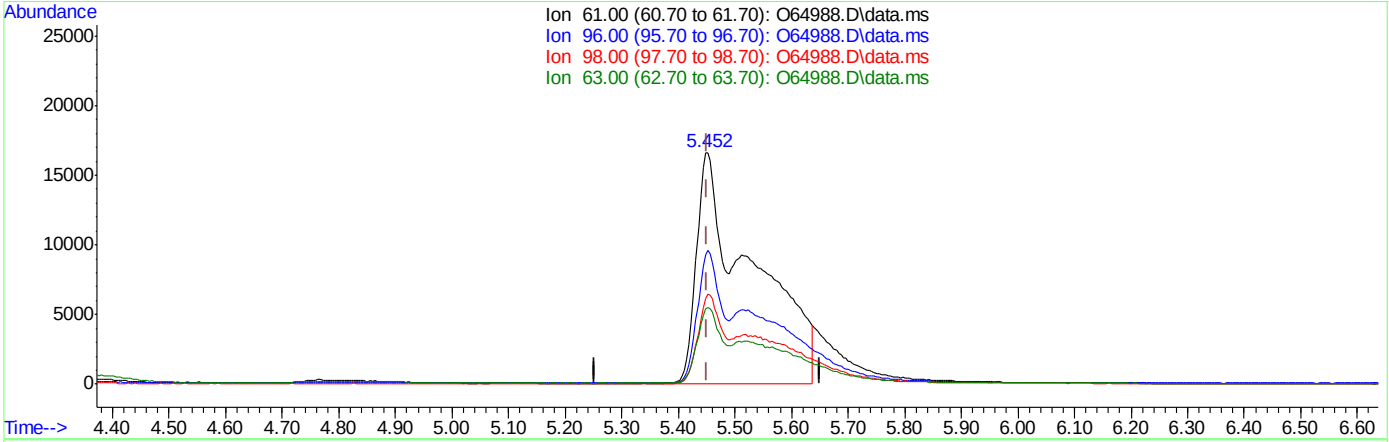
response 47697

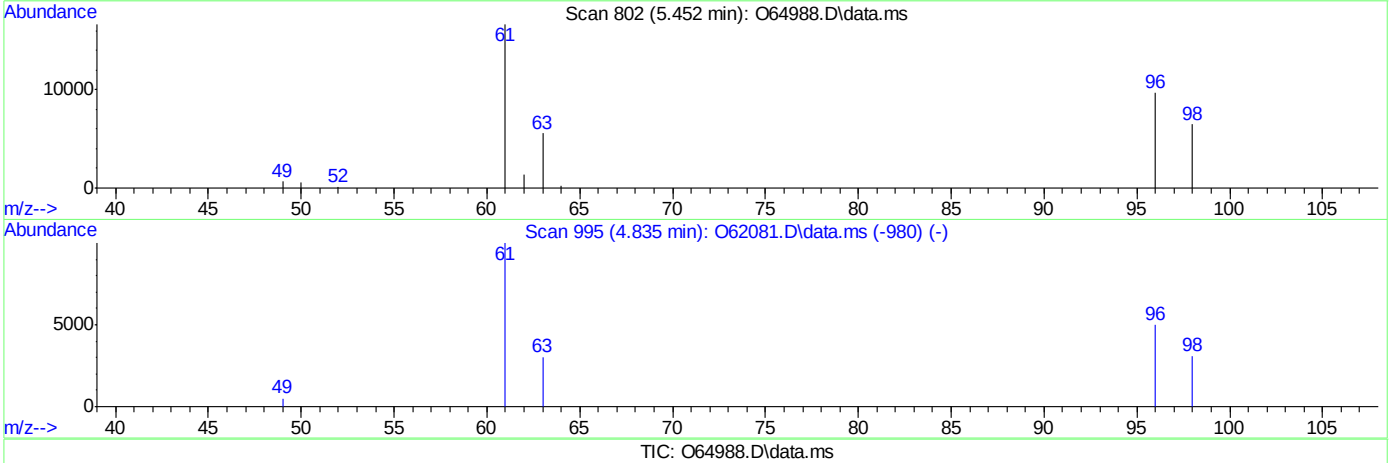
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.98
98.00	40.70	38.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64988.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 8.73ug/L

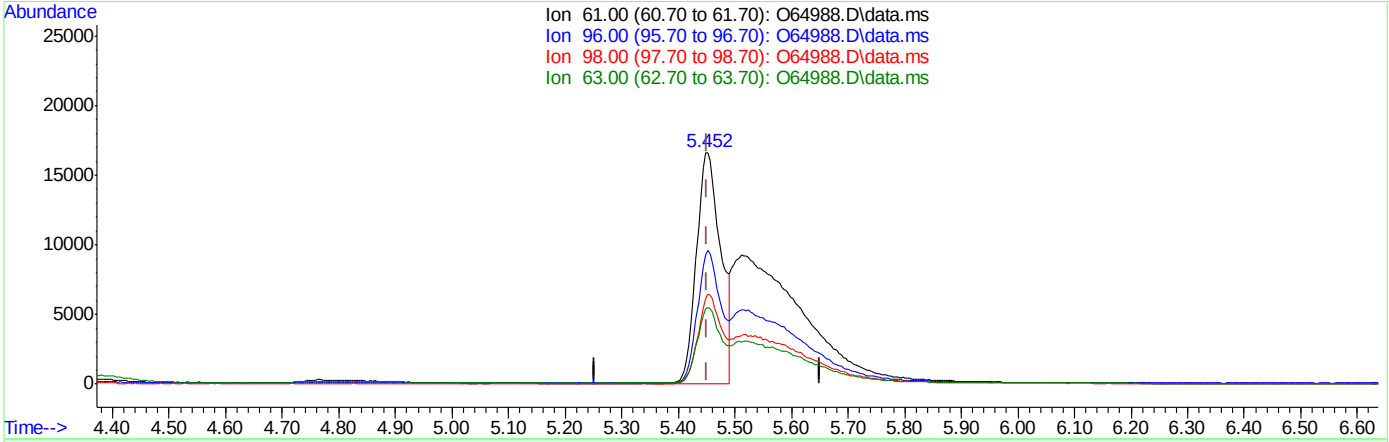
response 113519

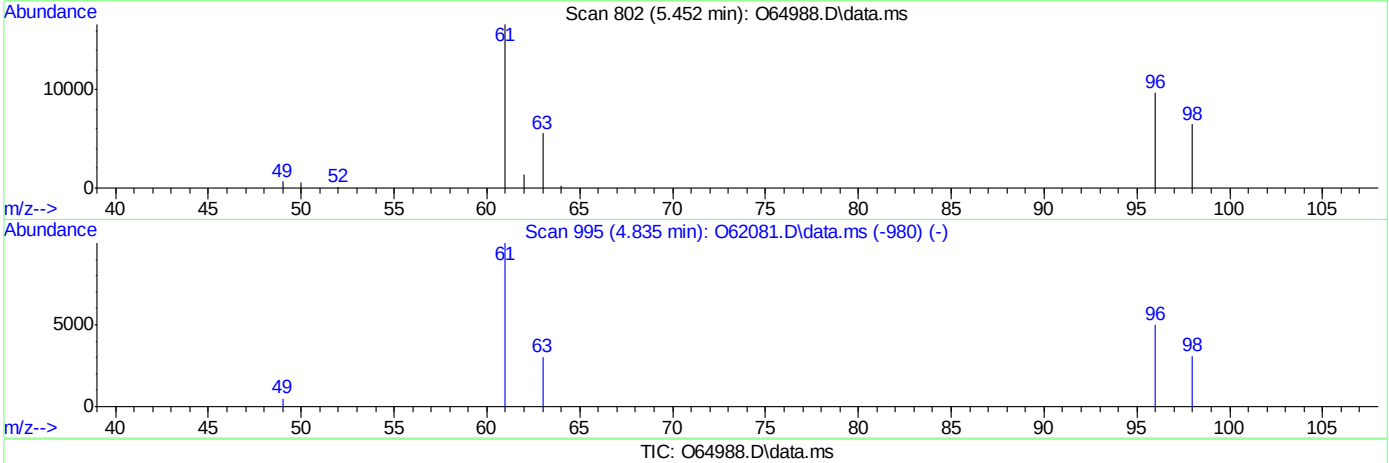
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.71
98.00	47.20	38.70
63.00	32.80	32.93

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64988.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 3.82ug/L m

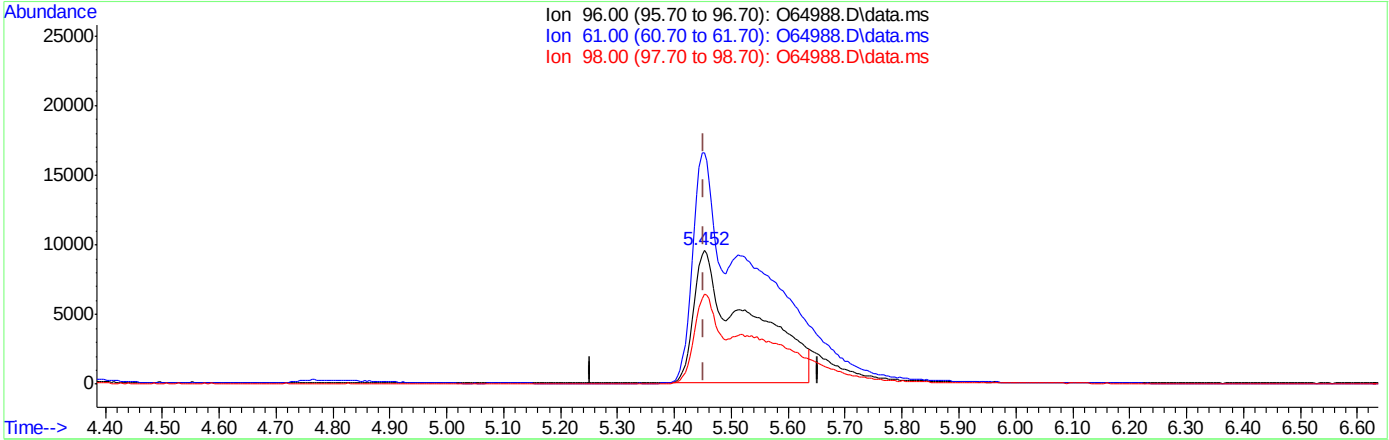
response 49683

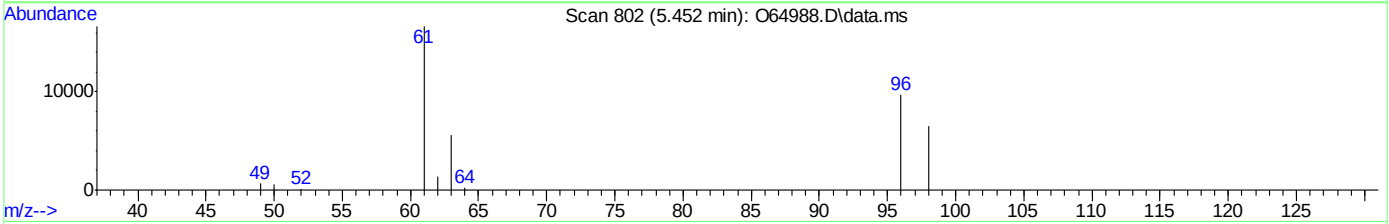
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.98
98.00	47.20	38.90
63.00	32.80	33.26

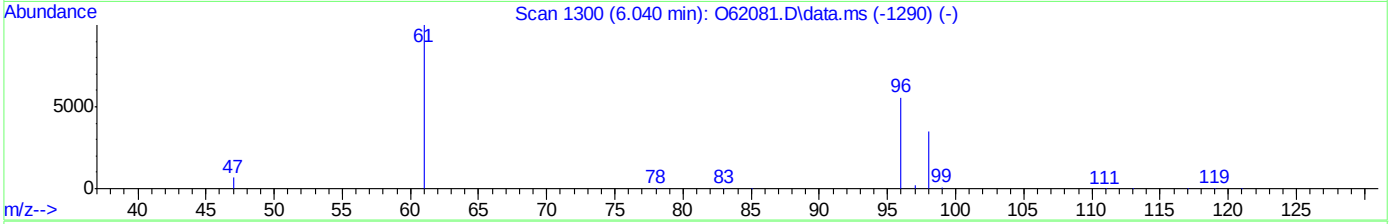
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 8.78ug/L

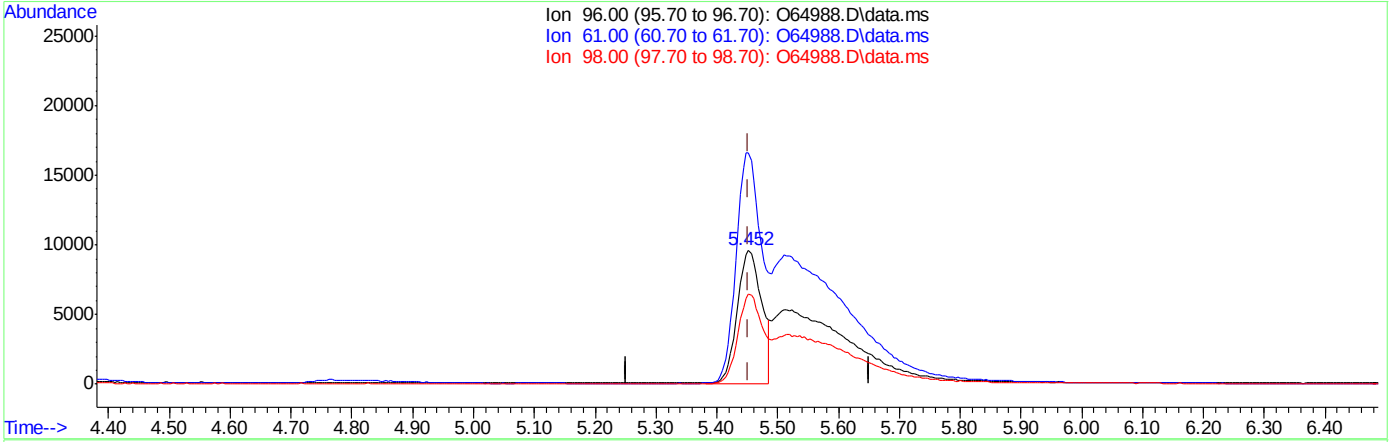
response 64644

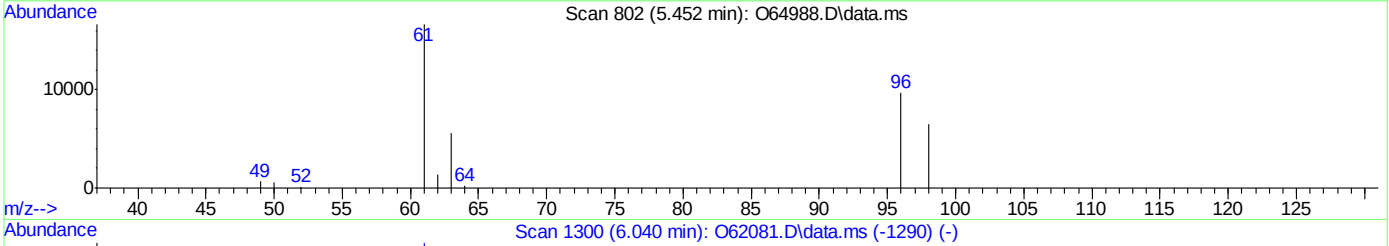
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	173.08#
98.00	62.80	66.99
0.00	0.00	0.00

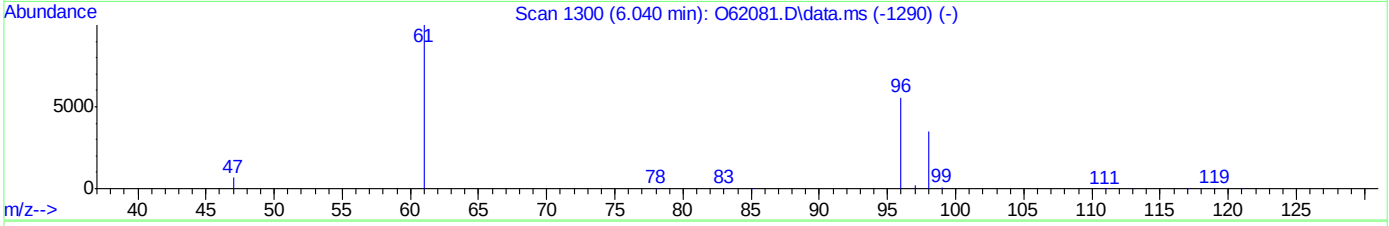
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 3.63ug/L m

response 26706

Ion	Exp%	Act%
96.00	100	100
61.00	225.00	172.46#
98.00	62.80	67.09
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	43726	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	31803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20759	7.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery =	145.80%#		
19) Toluene-d8	9.576	98	35071	5.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery =	106.60%		
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	775	0.10	ug/L	82
3) Chloromethane	3.272	50	1572m	0.22	ug/L	
4) 1,1-Dichloroethene	4.713	61	613	0.11	ug/L	92
5) Methylene Chloride	5.364	49	1910	0.30	ug/L #	59
6) trans-1,2-Dichloroethene	5.545	61	595	0.11	ug/L	80
7) 1,1-Dichloroethane	6.221	63	822	0.12	ug/L	97
8) cis-1,2-Dichloroethene	6.786	96	444	0.10	ug/L #	72
9) Chloroform	7.034	83	2250m	0.23	ug/L	
10) Carbon Tetrachloride	7.213	117	596m	0.12	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	693m	0.11	ug/L	
12) Benzene	7.648	78	1552	0.10	ug/L	80
14) 1,2-Dichloroethane	7.851	62	642	0.13	ug/L	84
15) Trichloroethene	8.208	95	408	0.10	ug/L	94
16) 1,2-Dichloropropane	8.742	63	404	0.12	ug/L	89
17) cis-1,3-Dichloropropene	9.394	75	452	0.10	ug/L #	71
20) trans-1,3-Dichloropropene	10.022	75	376	0.10	ug/L #	69
21) Tetrachloroethene	10.022	166	389	0.10	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	766m	0.10	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	88m	0.19	ug/L	

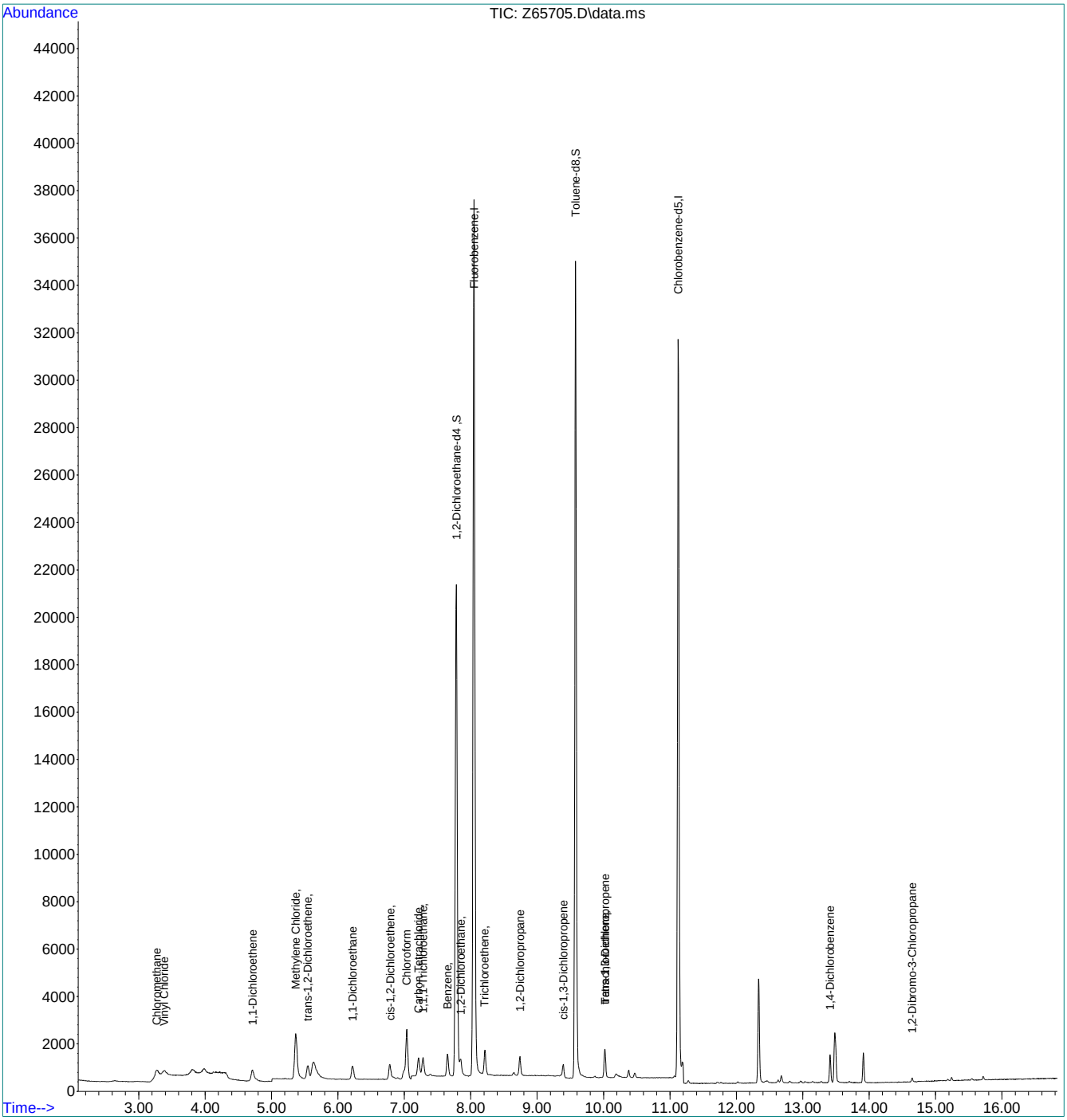
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:44 2021 Page: 2

Manual Integration Approval Summary

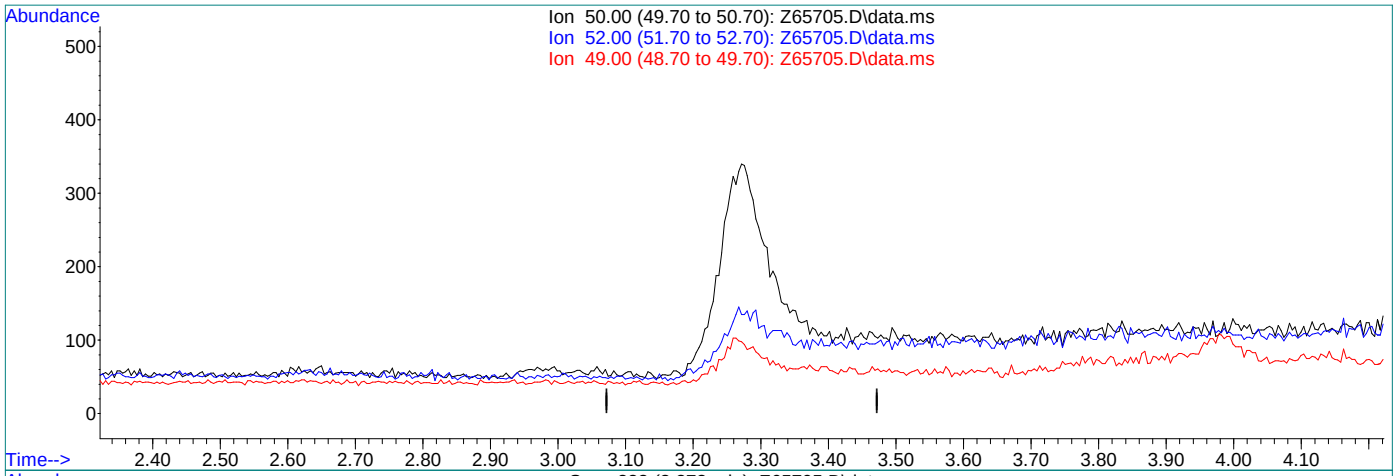
Sample Number: VZ2584-IC2584
Lab FileID: Z65705.D
Injection Time: 09/02/21 14:48
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

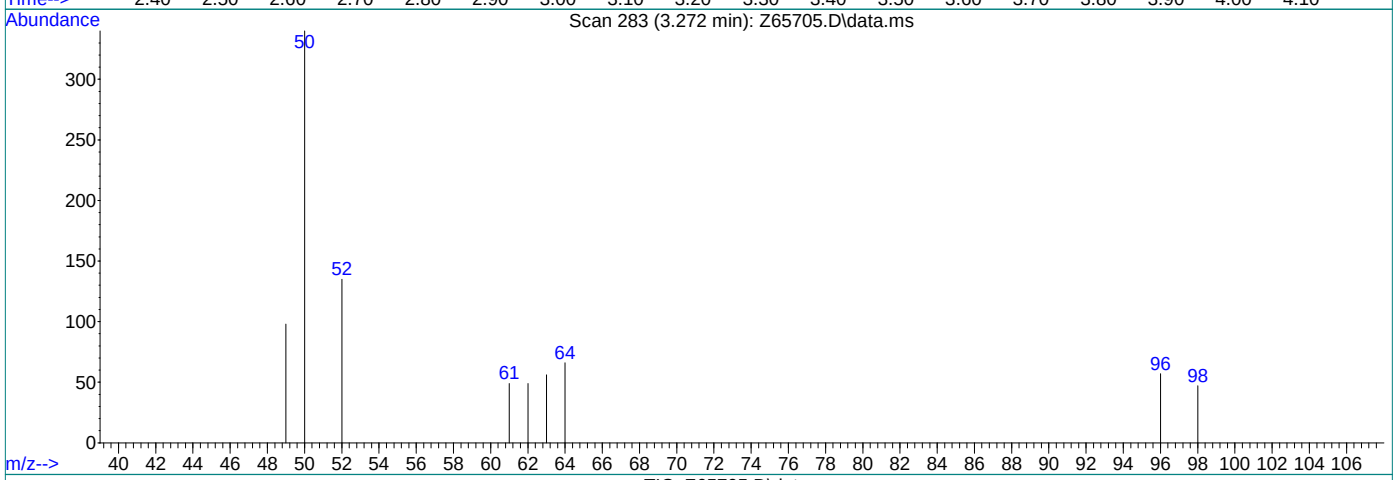
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.27	Missed peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-3.272) 0.00ug/L

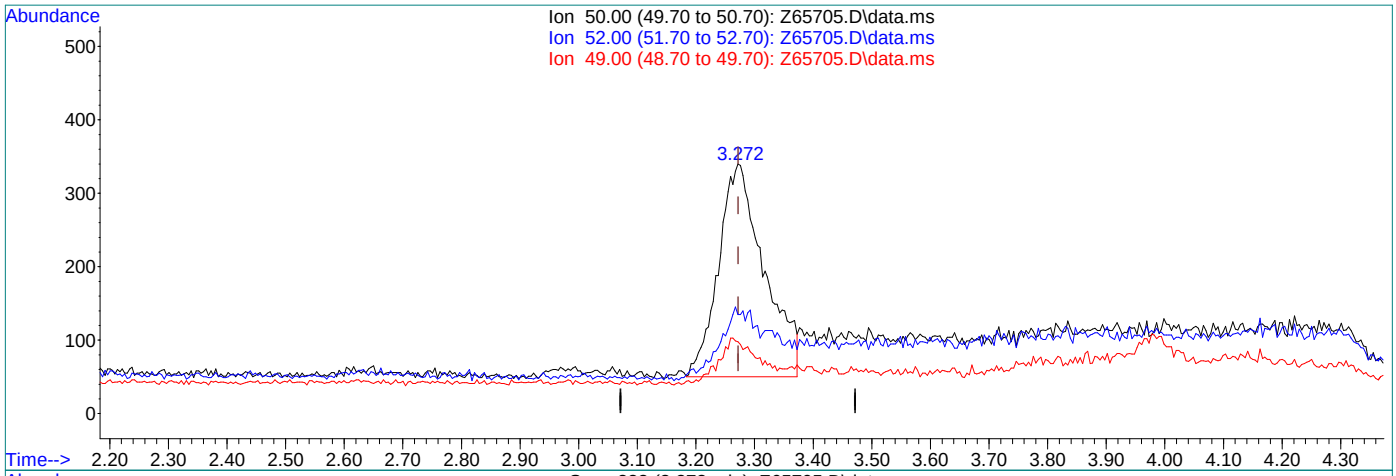
response 0

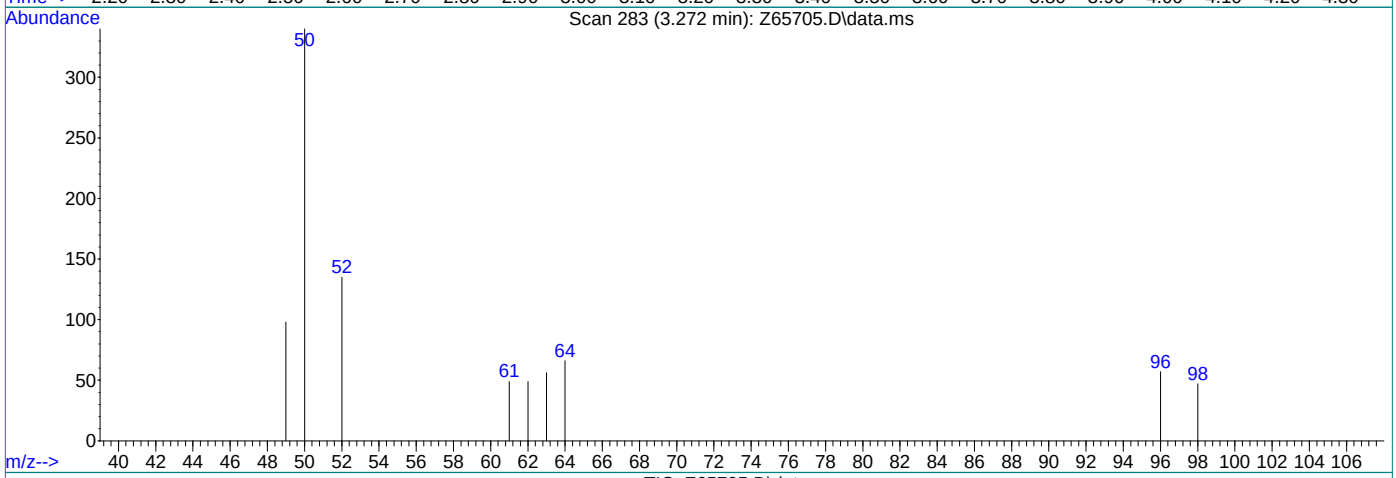
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.80	0.00#
49.00	9.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-0.000) 0.22ug/L m

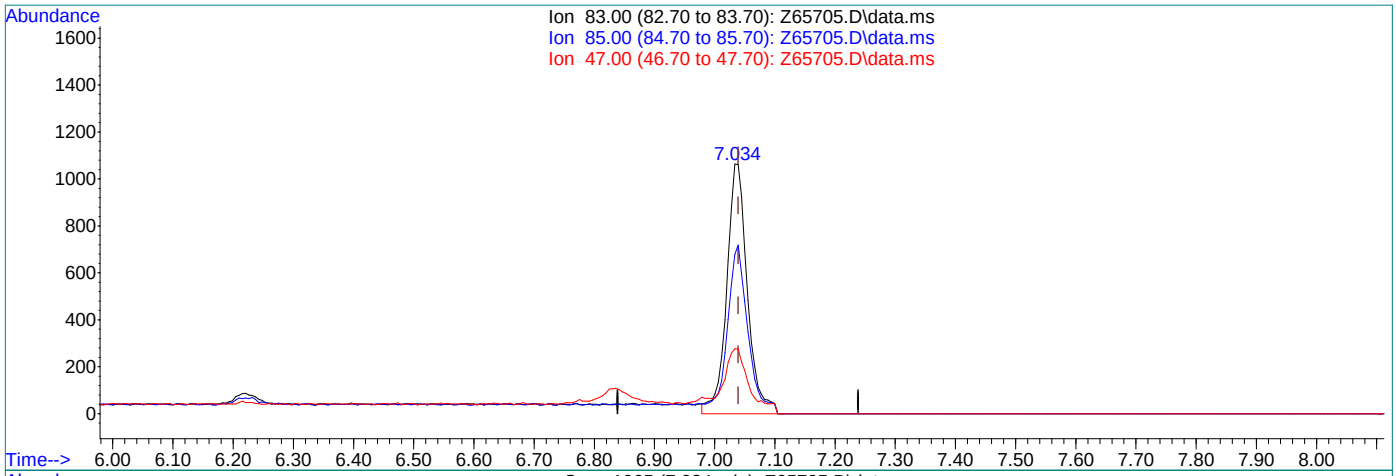
response 1572

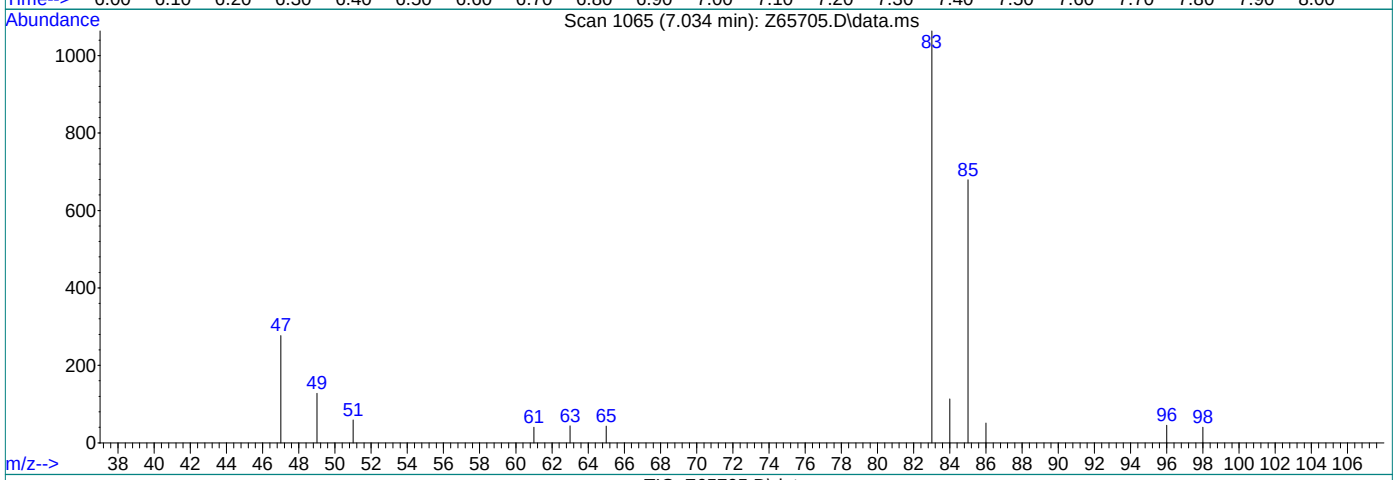
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.71
49.00	9.90	28.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.26ug/L

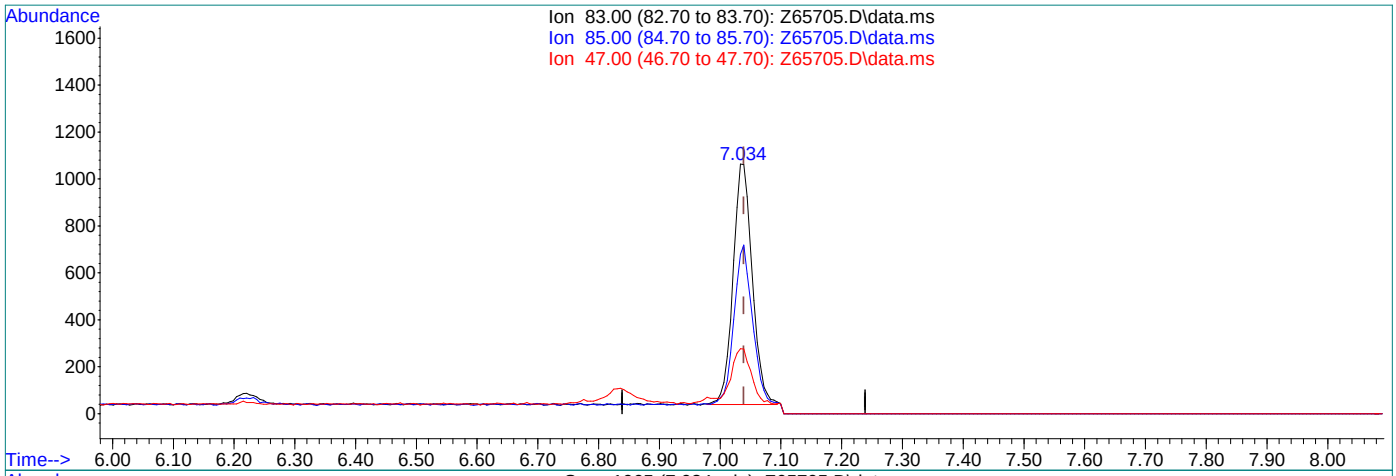
response 2560

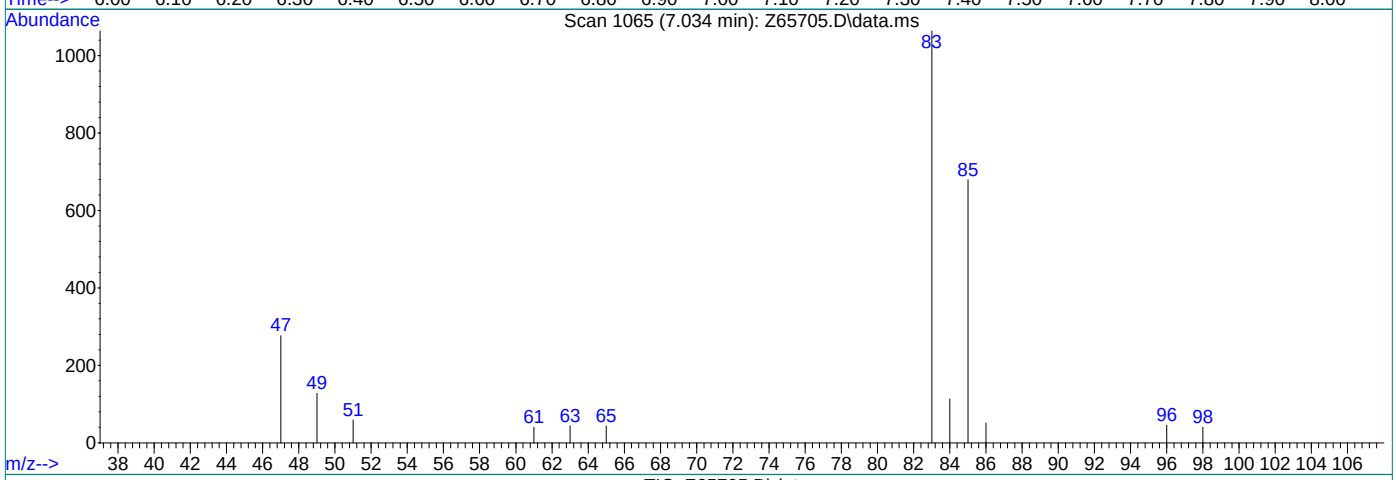
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.23ug/L m

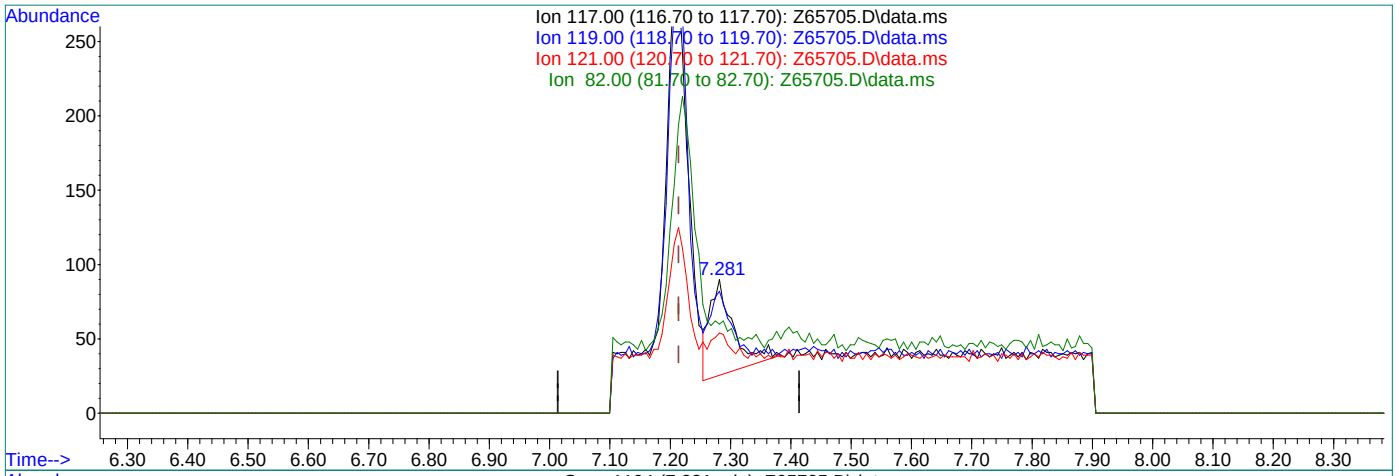
response 2250

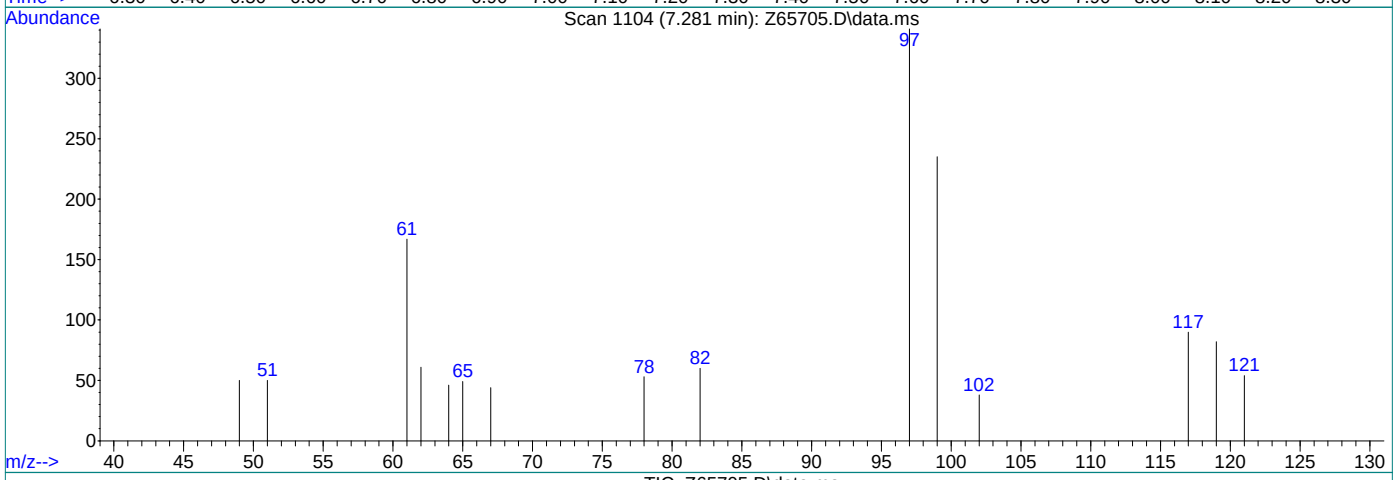
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.281min (+0.067) 0.04ug/L

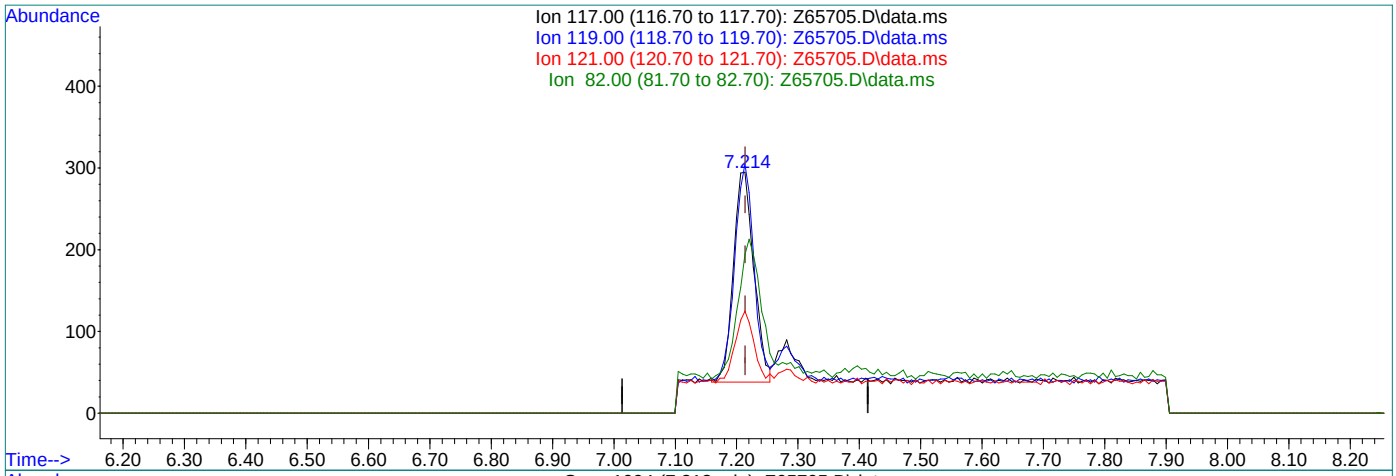
response 177

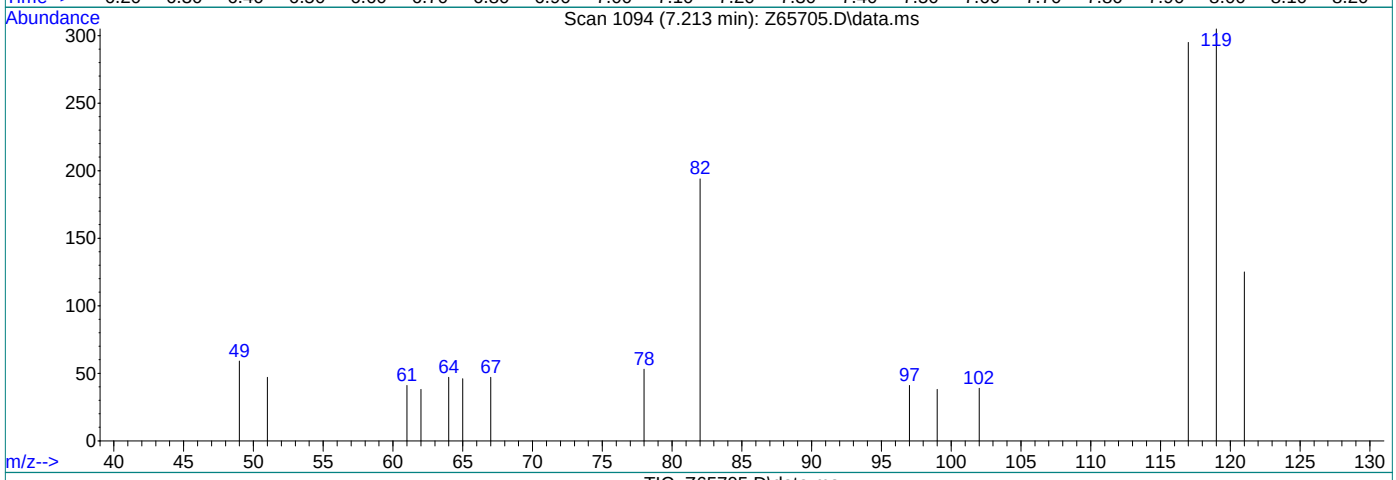
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	80.39
121.00	31.60	31.37
82.00	24.20	19.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.12ug/L m

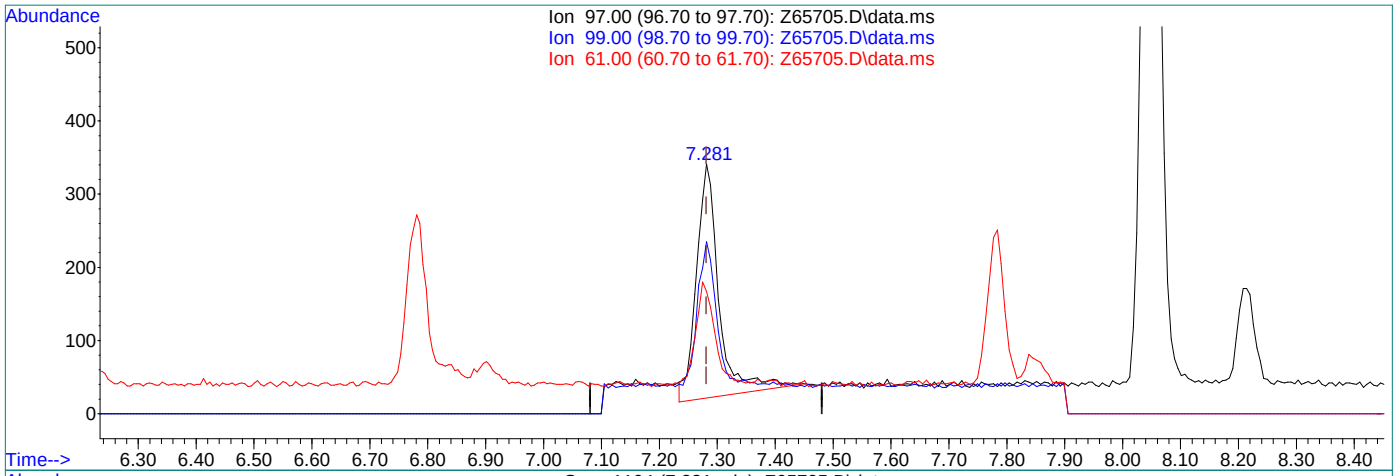
response 596

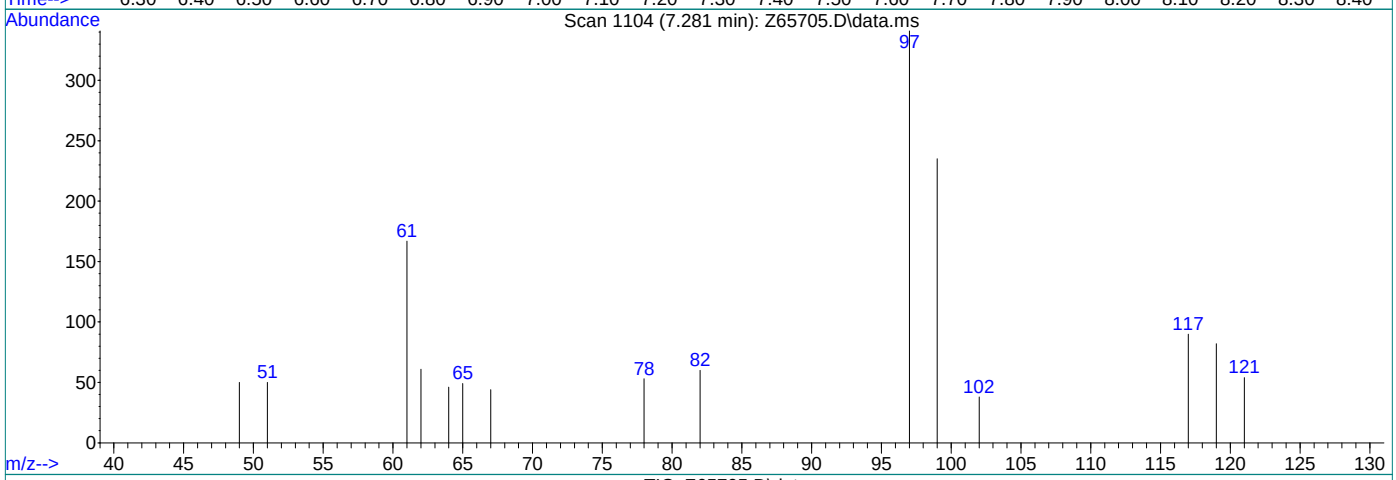
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.39
121.00	31.60	42.37
82.00	24.20	65.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.14ug/L

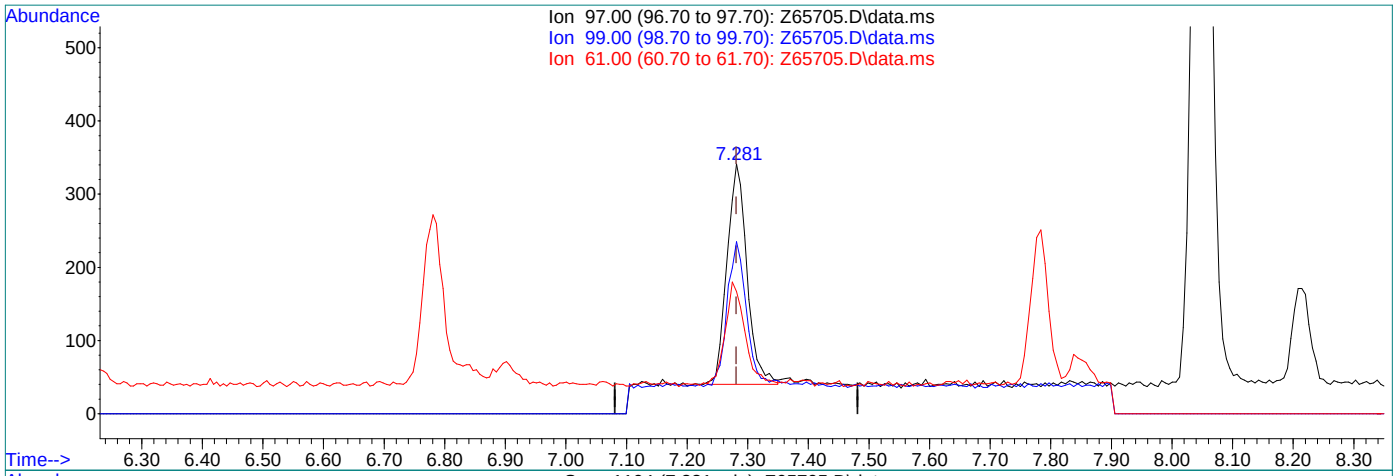
response 866

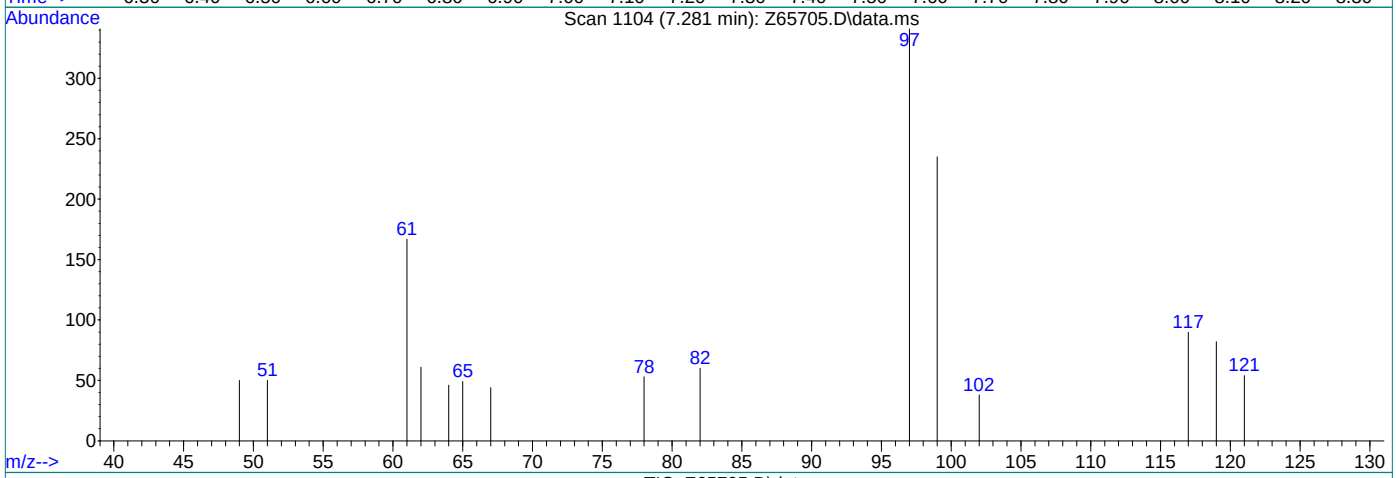
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	66.00
61.00	61.40	42.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.11ug/L m

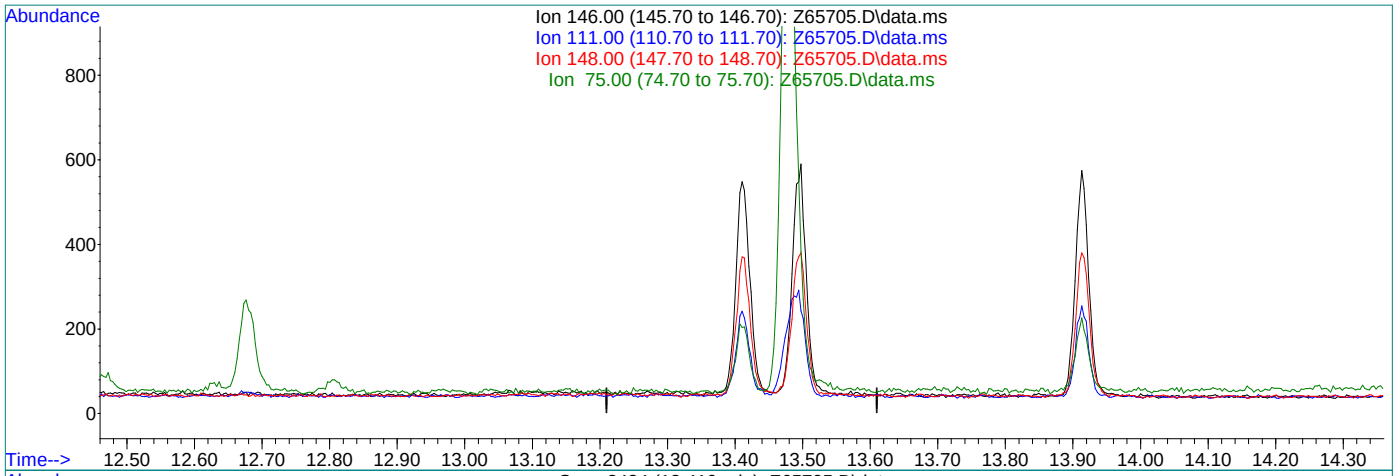
response 693

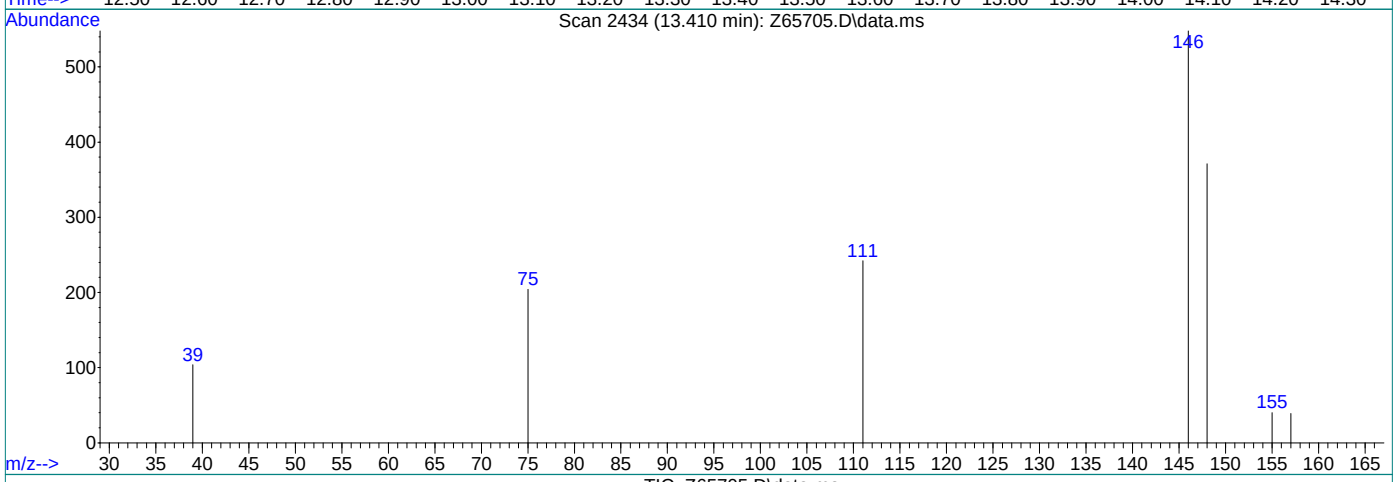
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	68.91
61.00	61.40	48.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-13.410) 0.00ug/L

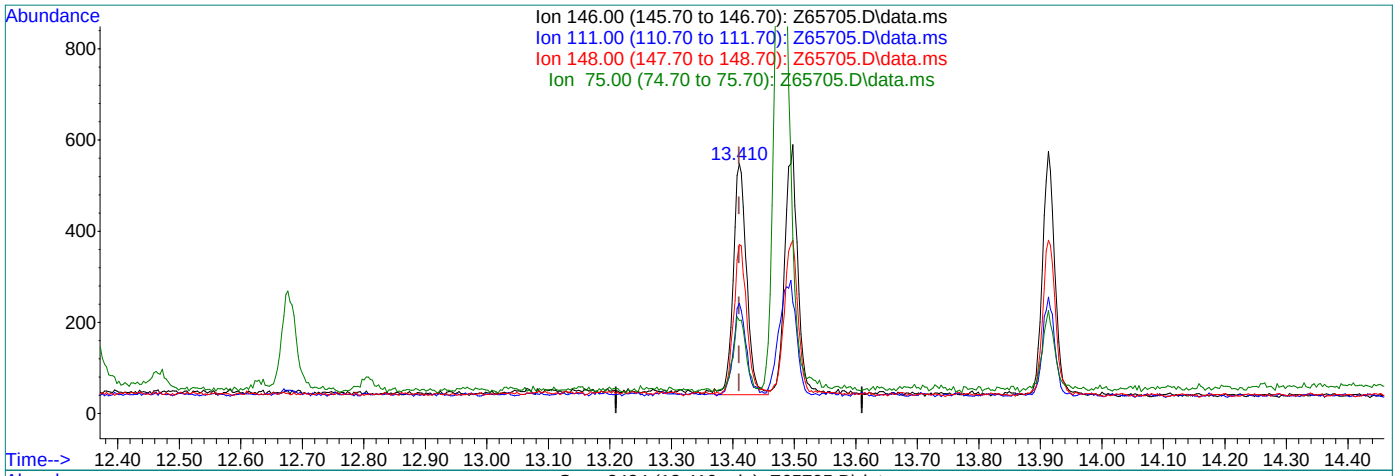
response 0

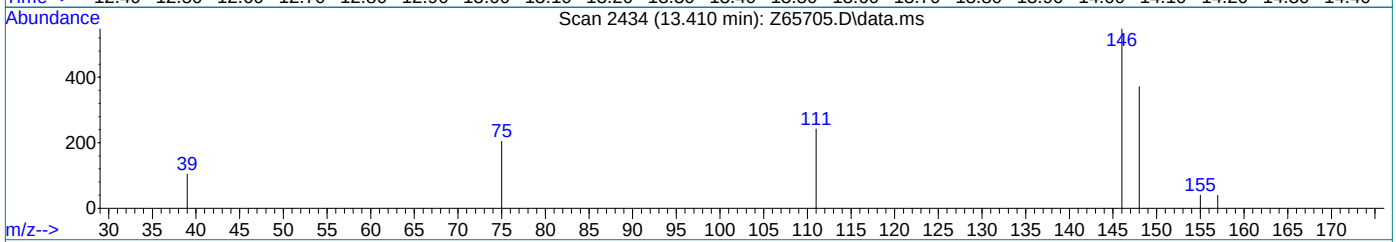
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

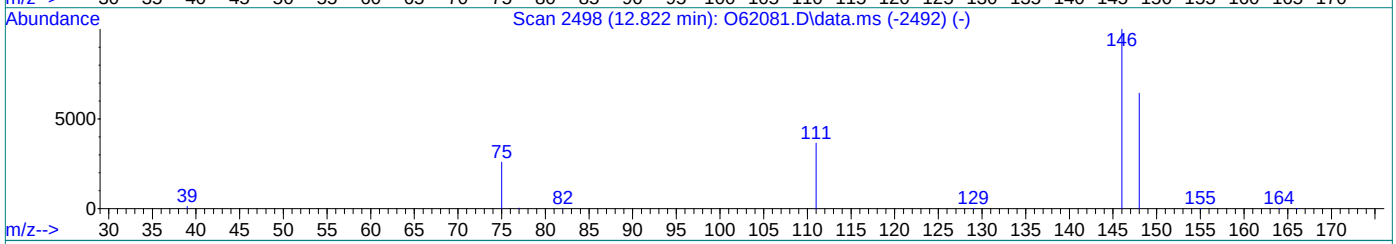
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (+0.000) 0.10ug/L m

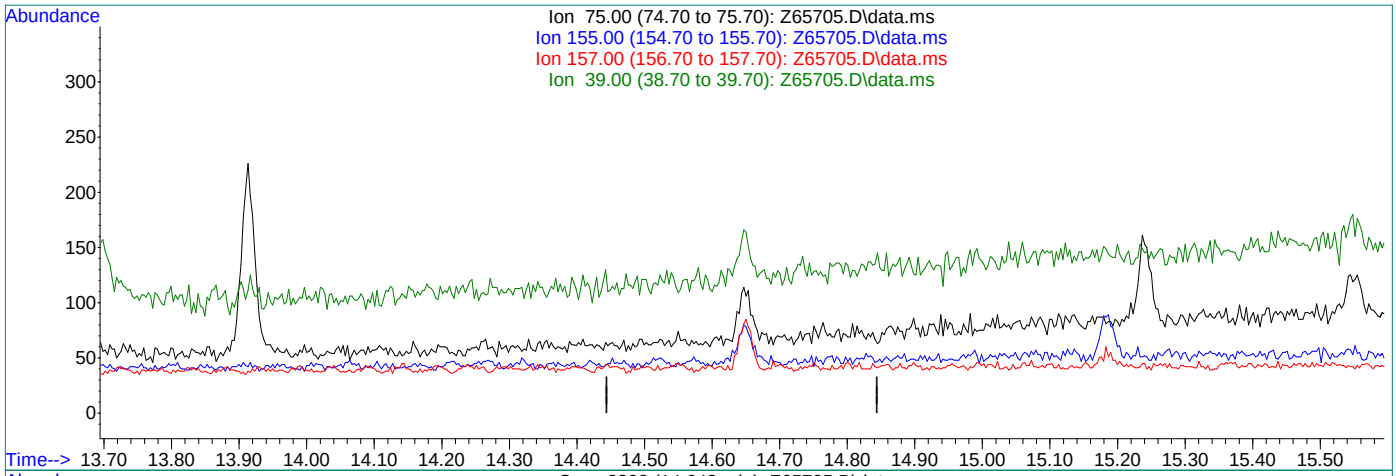
response 766

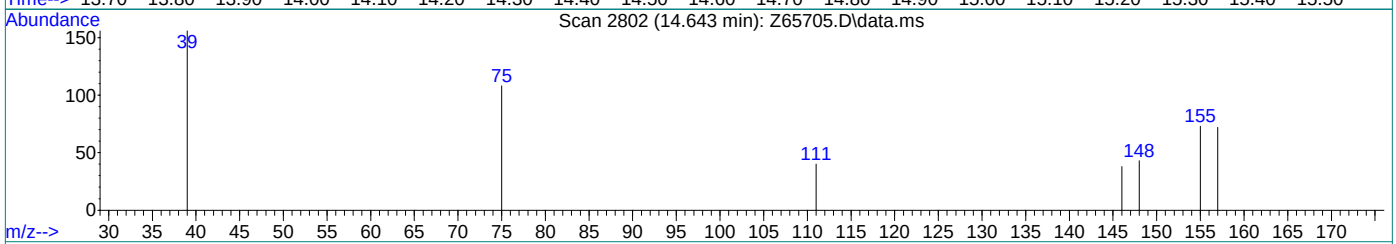
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	44.16
148.00	63.10	67.70
75.00	17.60	37.23

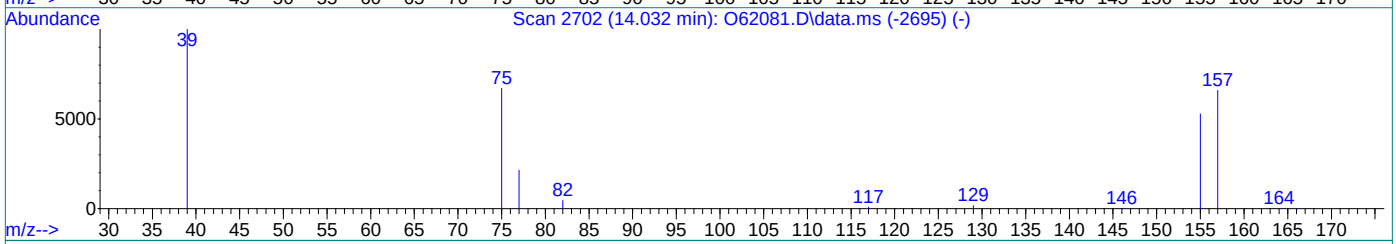
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

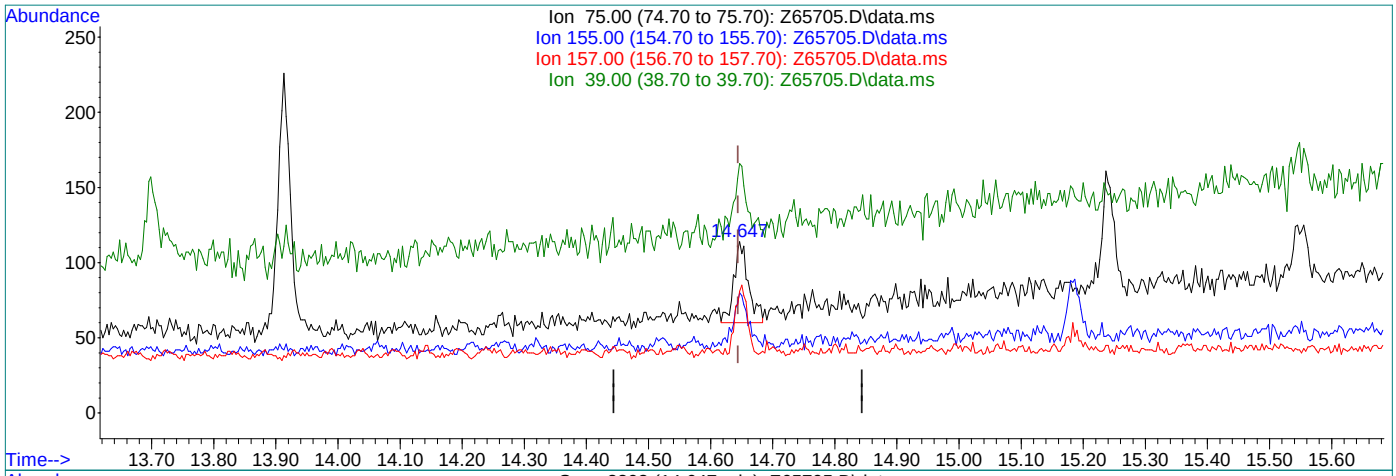
response 0

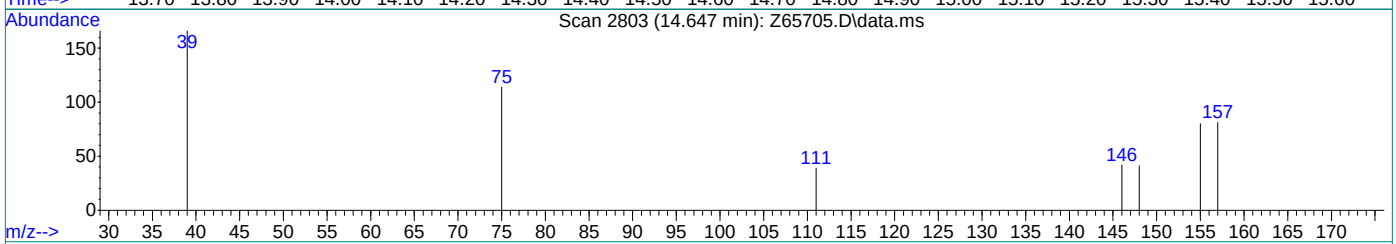
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

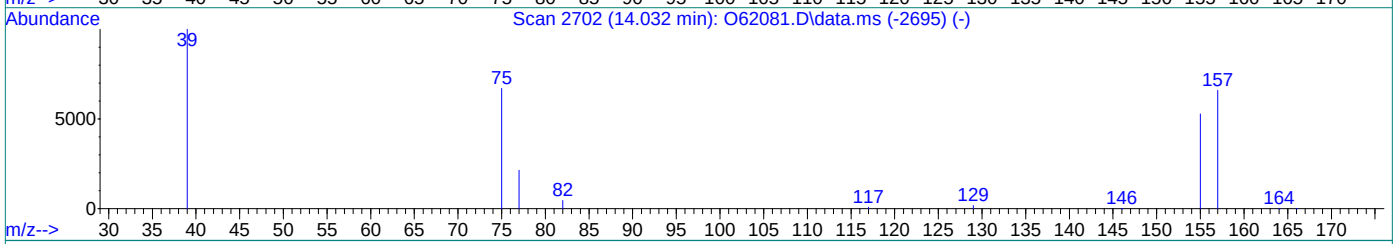
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.19ug/L m

response 88

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	70.18
157.00	81.90	71.05
39.00	23.90	145.61#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration

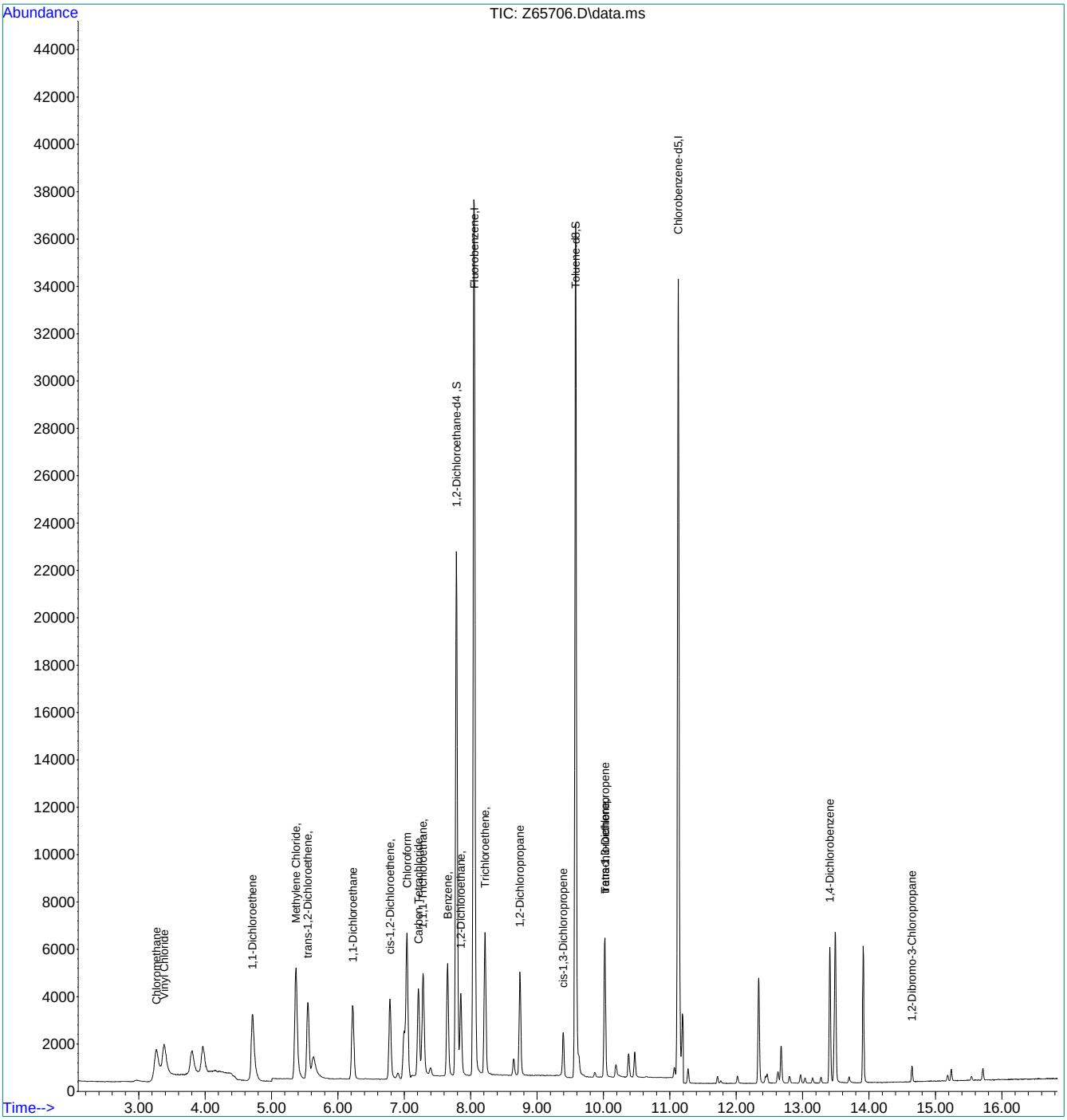
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.054	96	45132	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	33154	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	21670	6.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 139.60%#				
19) Toluene-d8	9.582	98	36327	5.25	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	4065	0.52	ug/L		91
3) Chloromethane	3.267	50	4626	0.60	ug/L		96
4) 1,1-Dichloroethene	4.713	61	3623	0.60	ug/L		97
5) Methylene Chloride	5.369	49	4486	0.53	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	3200	0.56	ug/L		84
7) 1,1-Dichloroethane	6.226	63	4297	0.59	ug/L		98
8) cis-1,2-Dichloroethene	6.786	96	2237	0.49	ug/L	#	72
9) Chloroform	7.039	83	6357m	0.58	ug/L		
10) Carbon Tetrachloride	7.213	117	3046m	0.57	ug/L		
11) 1,1,1-Trichloroethane	7.281	97	4166	0.63	ug/L		89
12) Benzene	7.655	78	8033	0.50	ug/L		79
14) 1,2-Dichloroethane	7.851	62	3338	0.61	ug/L		87
15) Trichloroethene	8.214	95	2312	0.51	ug/L		94
16) 1,2-Dichloropropane	8.742	63	2204	0.59	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	1609	0.33	ug/L	#	70
20) trans-1,3-Dichloropropene	10.022	75	1009	0.26	ug/L	#	73
21) Tetrachloroethene	10.022	166	2213	0.55	ug/L	#	94
22) 1,4-Dichlorobenzene	13.410	146	3588	0.42	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	283m	0.54	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:46 2021 Page: 2

Manual Integration Approval Summary

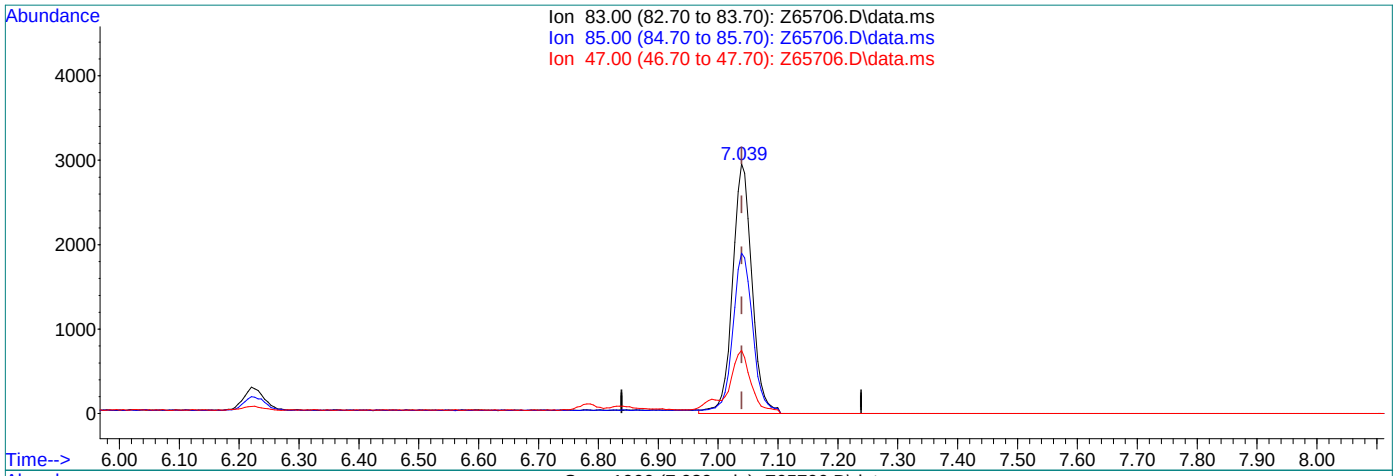
Sample Number: VZ2584-IC2584
Lab FileID: Z65706.D
Injection Time: 09/02/21 15:08
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

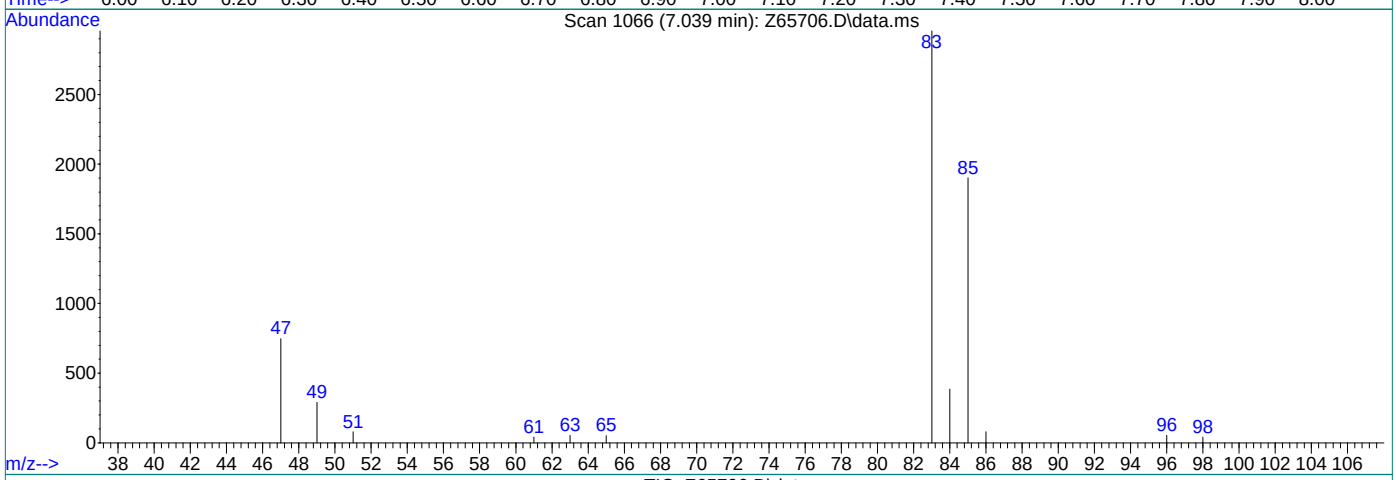
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.61ug/L

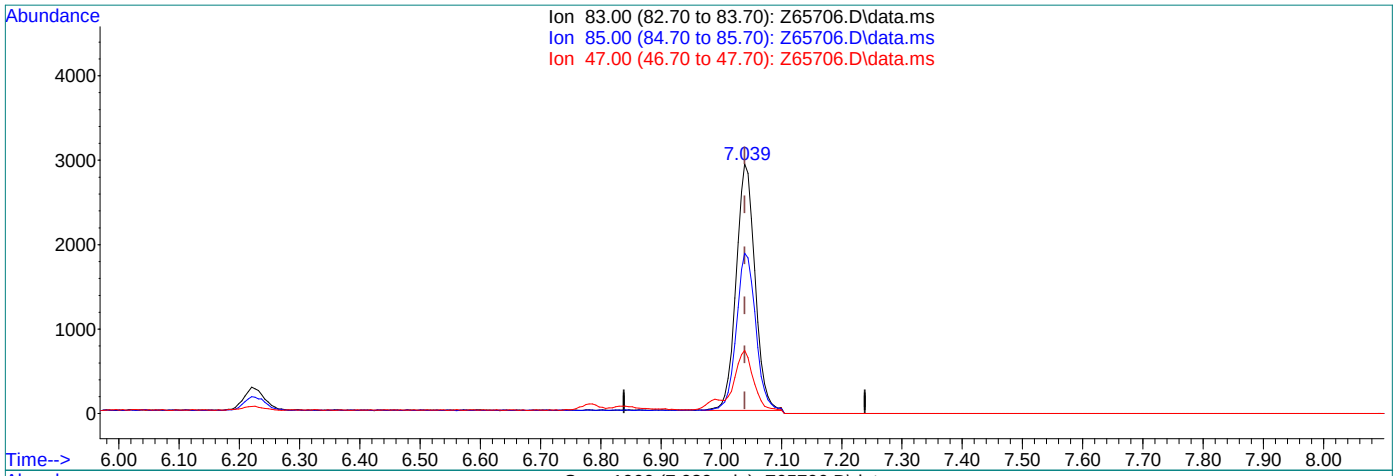
response 6726

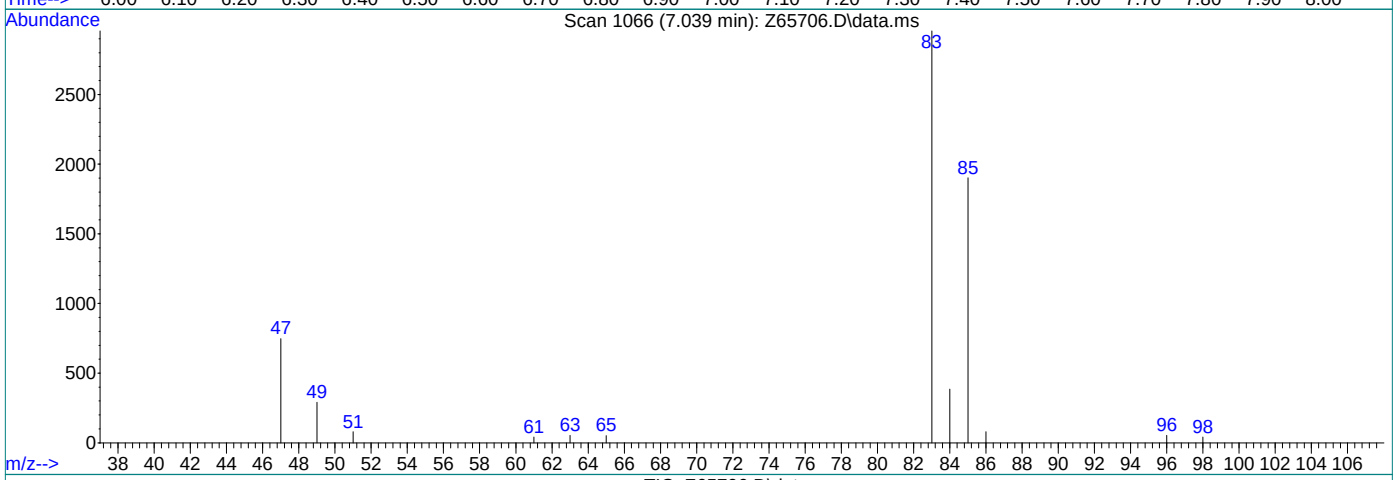
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.58ug/L m

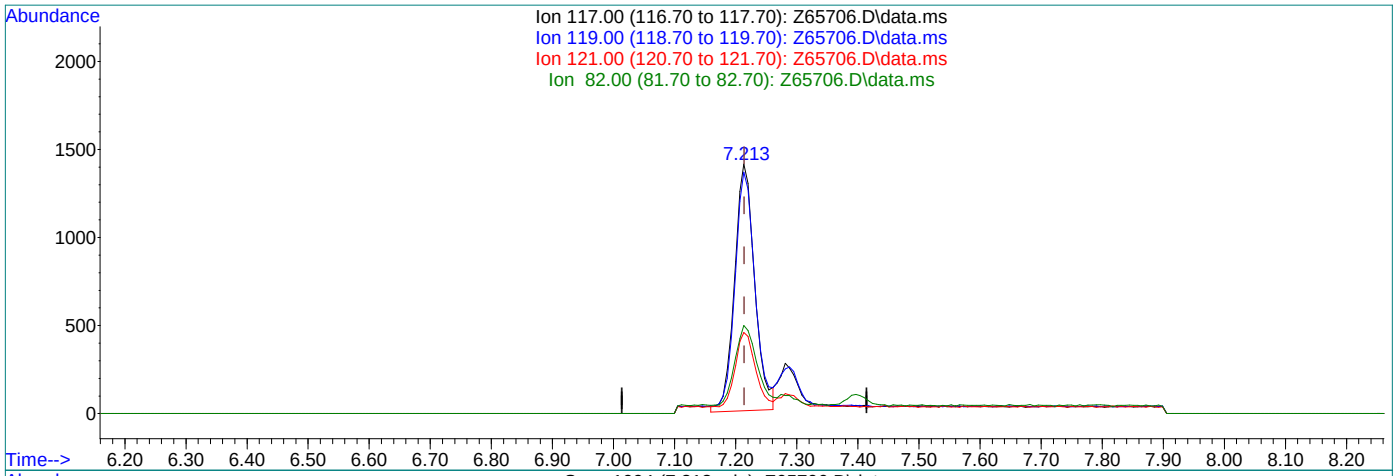
response 6357

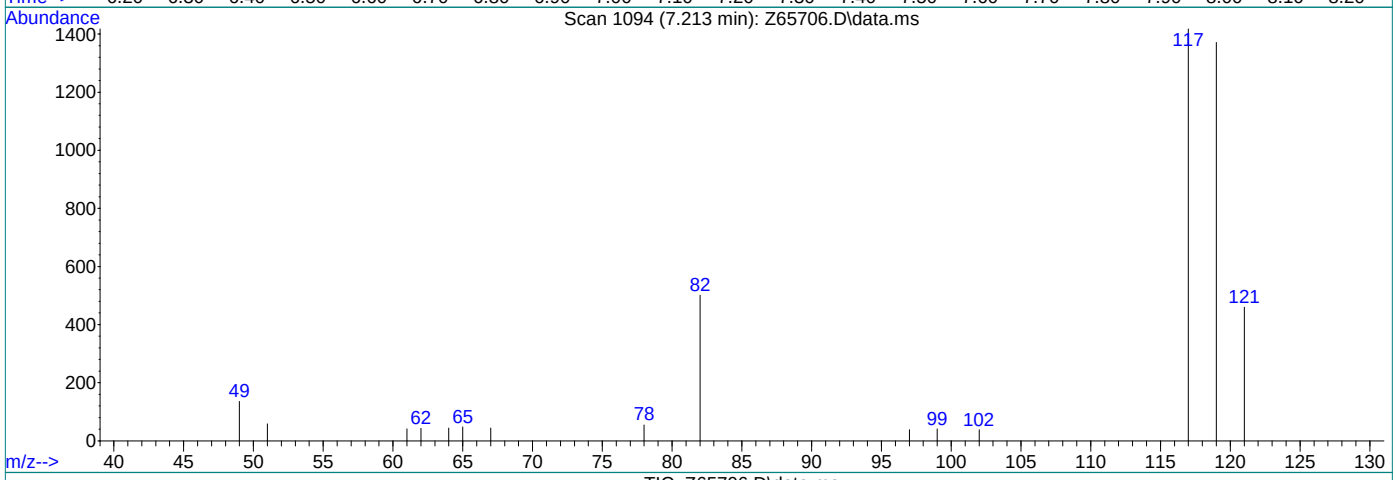
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.61ug/L

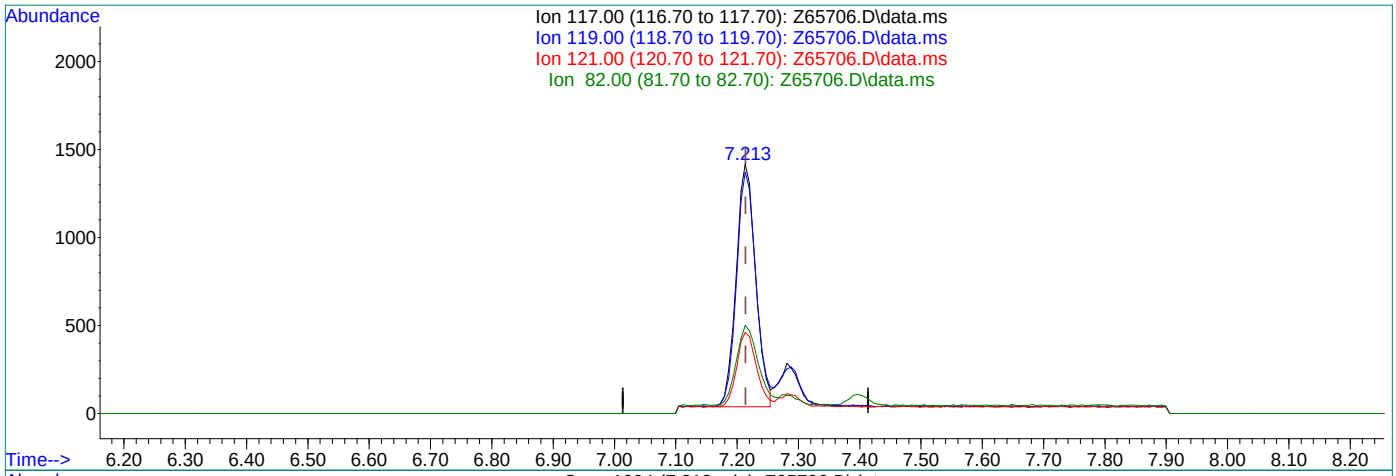
response 3226

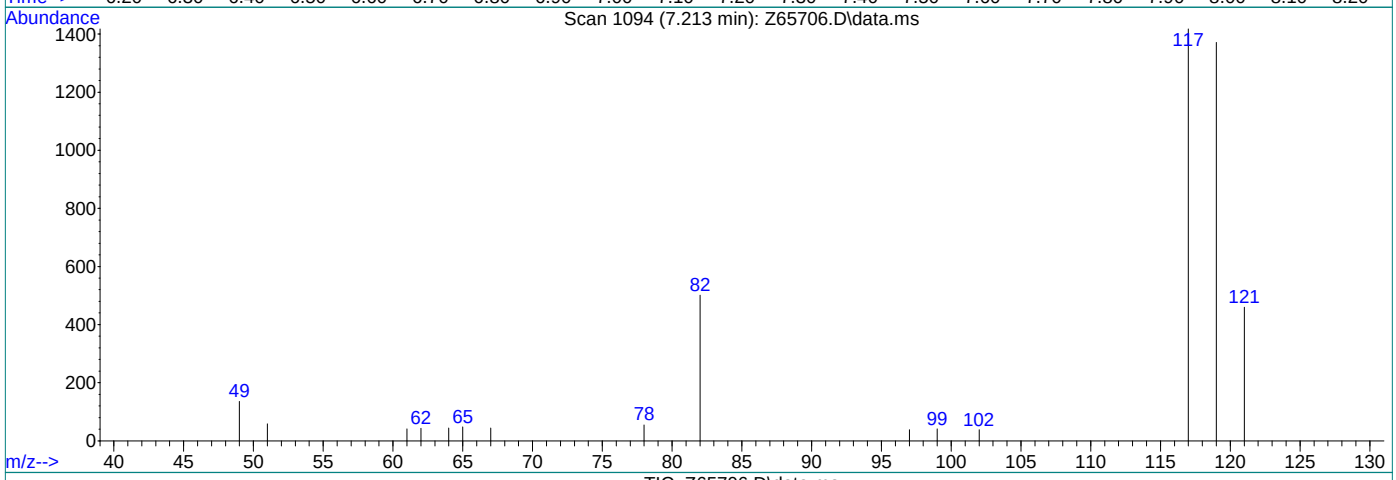
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.37
121.00	31.60	30.65
82.00	24.20	33.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.57ug/L m

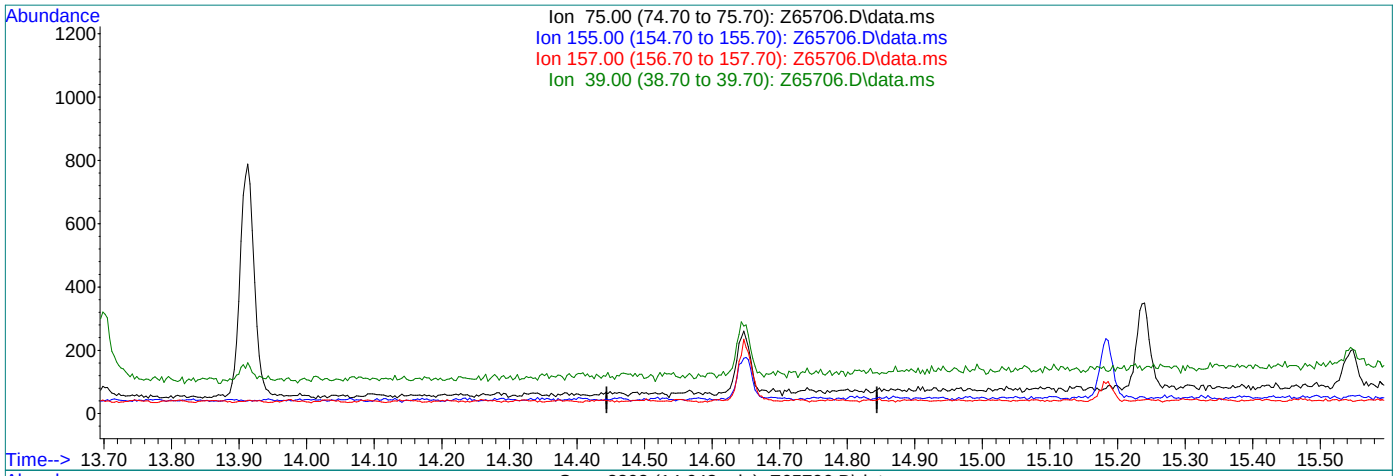
response 3046

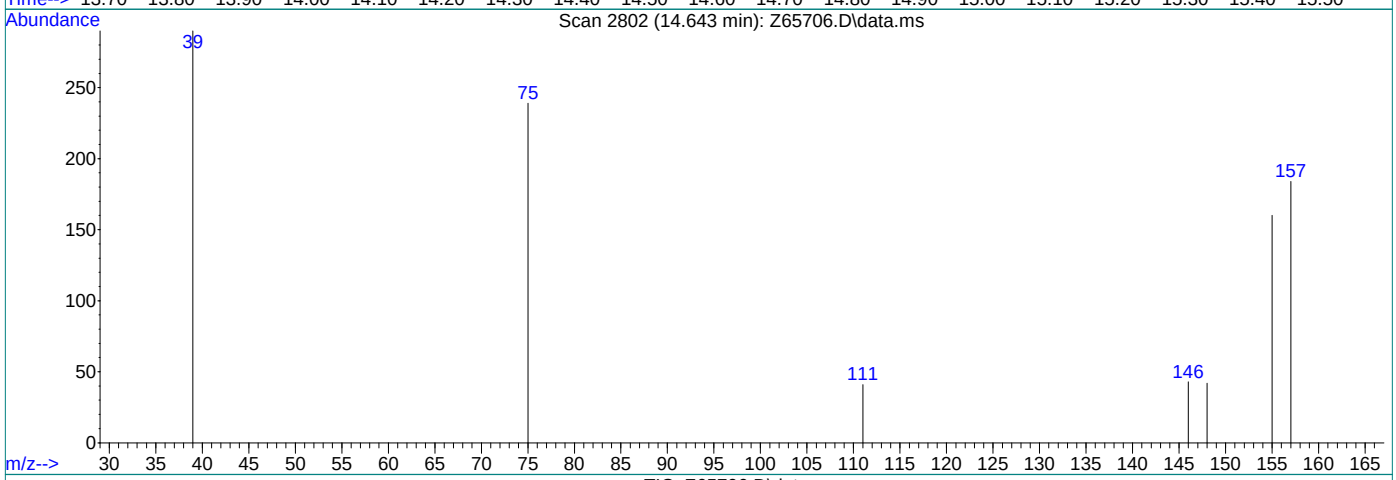
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.69
121.00	31.60	32.44
82.00	24.20	35.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

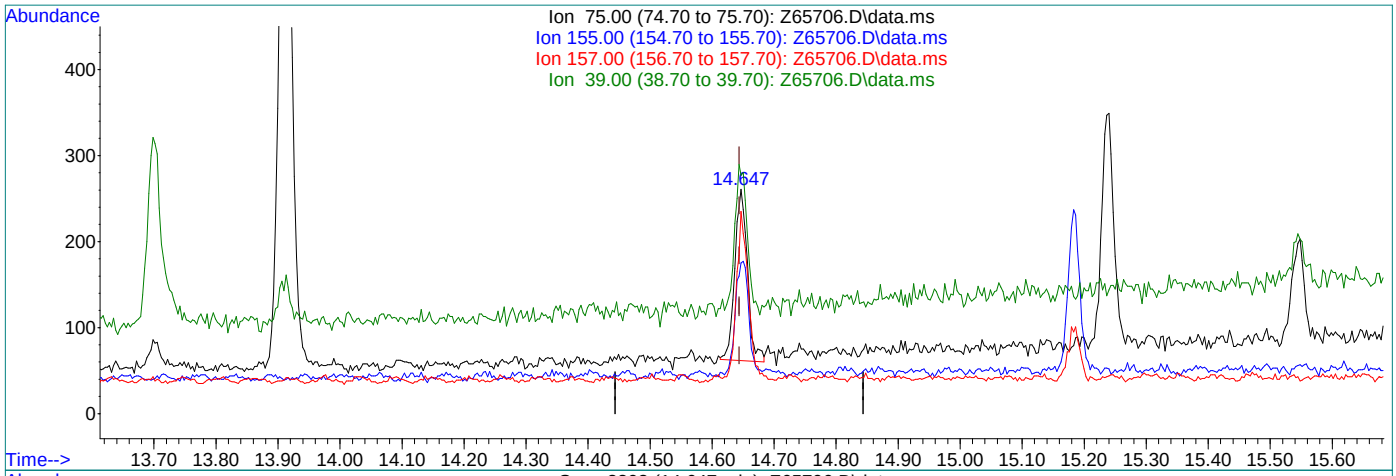
response 0

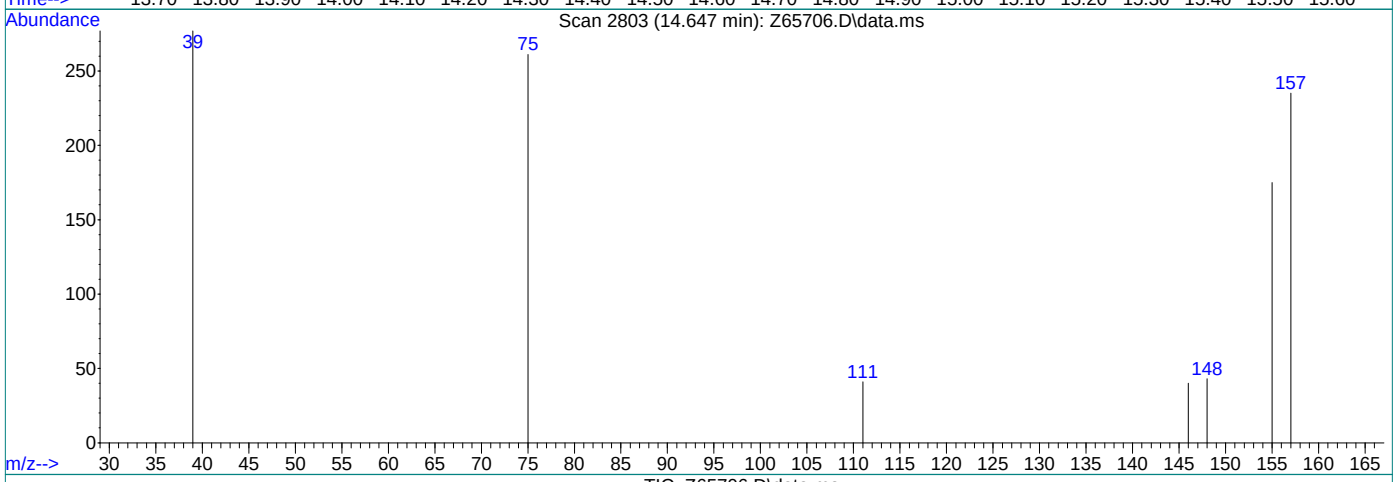
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.54ug/L m

response 283

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	67.05
157.00	81.90	90.04
39.00	23.90	106.13#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration

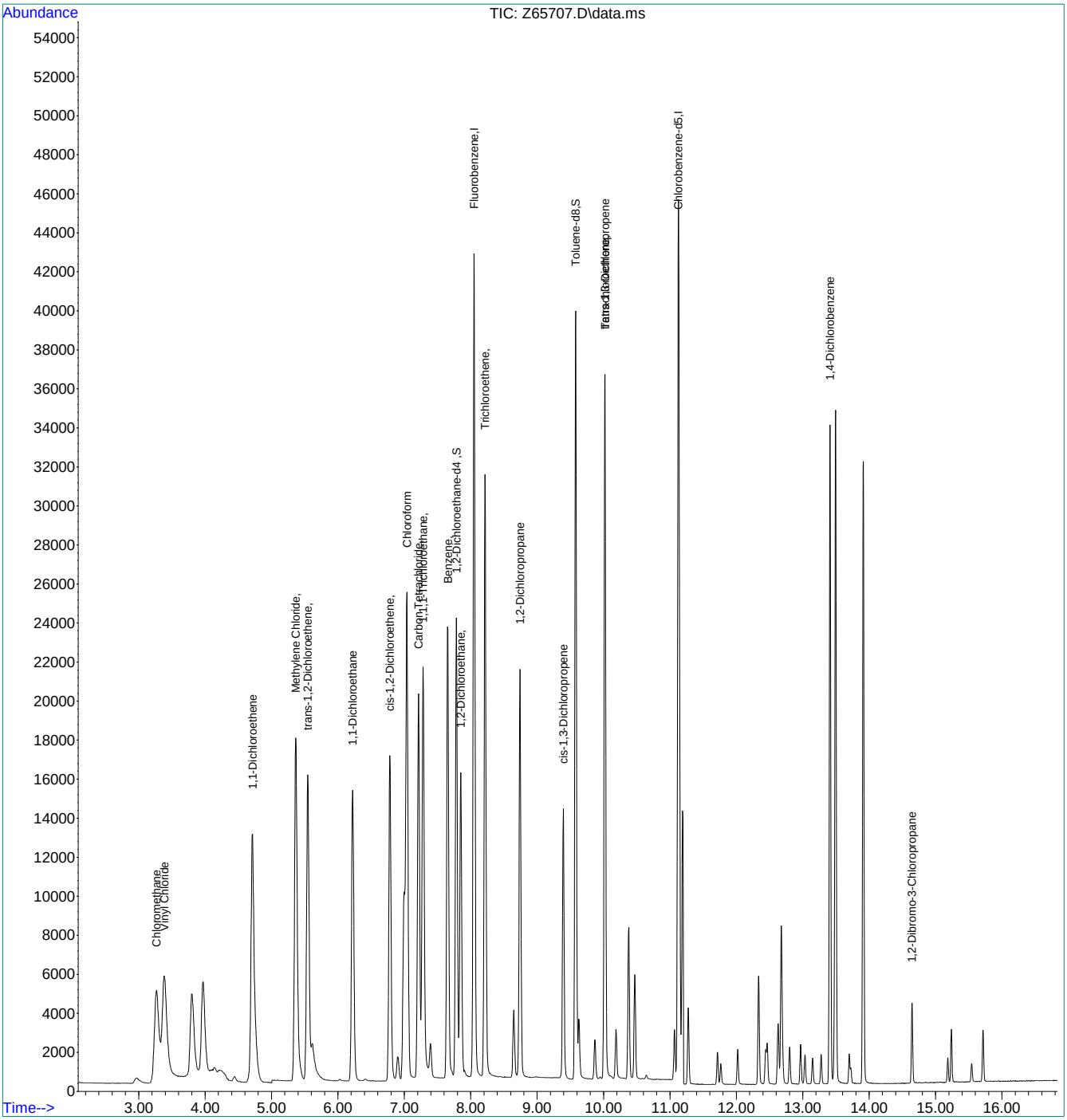
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	50381	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38930	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22321	6.10	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 122.00%				
19) Toluene-d8	9.582	98	40046	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	17156	1.99	ug/L		93
3) Chloromethane	3.267	50	16867	1.90	ug/L		98
4) 1,1-Dichloroethene	4.713	61	16954	2.41	ug/L		97
5) Methylene Chloride	5.364	49	17221	1.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	15432	2.36	ug/L		79
7) 1,1-Dichloroethane	6.221	63	20760	2.46	ug/L		96
8) cis-1,2-Dichloroethene	6.781	96	10883	2.09	ug/L	#	75
9) Chloroform	7.039	83	26408	2.07	ug/L		87
10) Carbon Tetrachloride	7.213	117	16572	2.71	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	19885	2.59	ug/L		88
12) Benzene	7.655	78	39754	2.20	ug/L		79
14) 1,2-Dichloroethane	7.851	62	16319	2.58	ug/L		85
15) Trichloroethene	8.214	95	11489	2.24	ug/L		93
16) 1,2-Dichloropropane	8.742	63	10585	2.45	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	11988	2.29	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	10692	2.42	ug/L	#	72
21) Tetrachloroethene	10.022	166	10667	2.21	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	20591	2.07	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	1577	2.46	ug/L	#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration

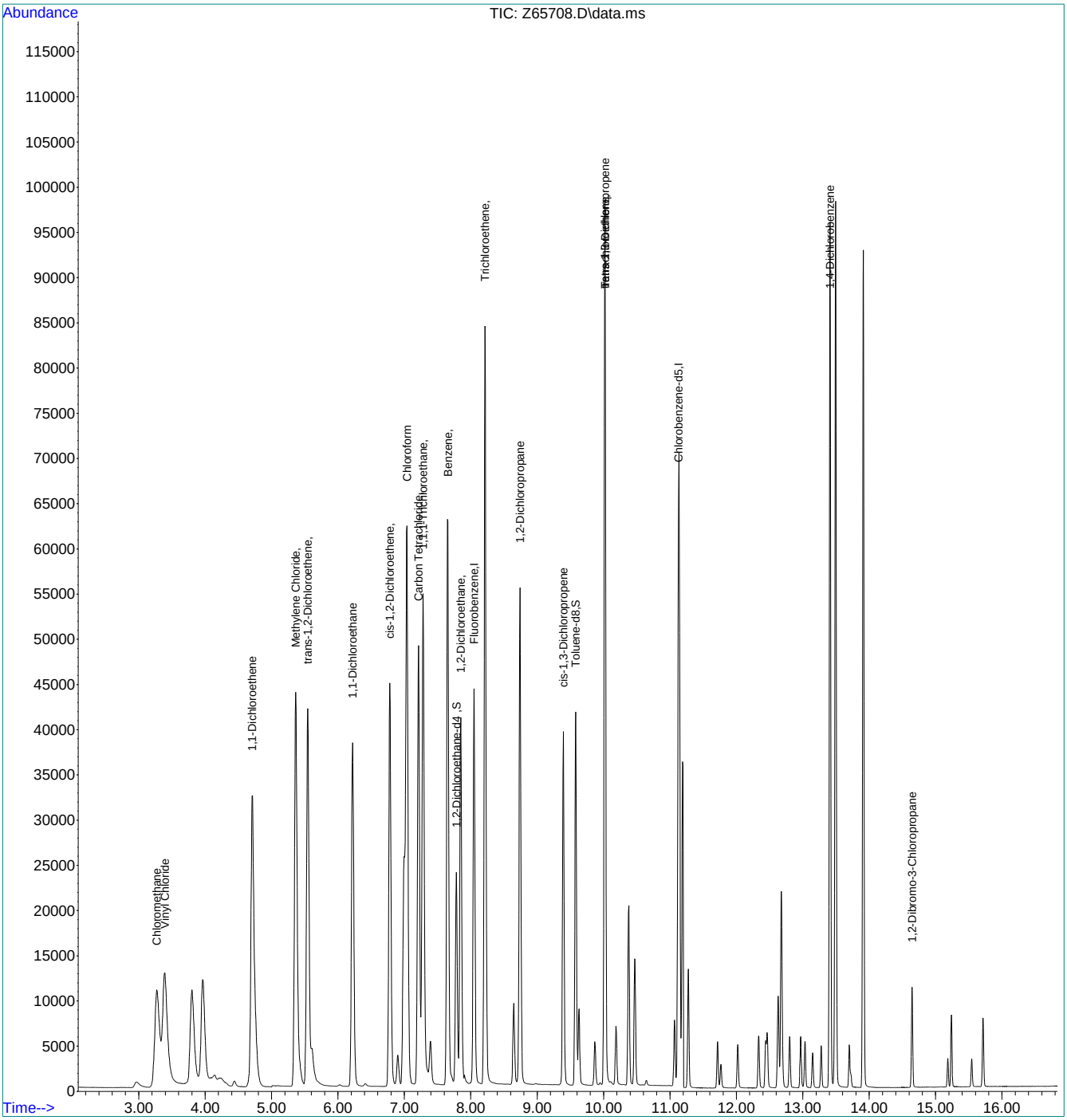
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51649	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	41795	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21781	5.57	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.40%			
19) Toluene-d8	9.582	98	41673	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	41567	4.75	ug/L	96
3) Chloromethane	3.272	50	39806	4.32	ug/L	97
4) 1,1-Dichloroethene	4.708	61	43739	5.86	ug/L	96
5) Methylene Chloride	5.364	49	42084	4.43	ug/L #	60
6) trans-1,2-Dichloroethene	5.545	61	40384	5.83	ug/L	78
7) 1,1-Dichloroethane	6.221	63	52770	5.89	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	28693	5.35	ug/L #	75
9) Chloroform	7.039	83	65470	4.86	ug/L	87
10) Carbon Tetrachloride	7.213	117	40745	6.17	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	50483	6.14	ug/L	88
12) Benzene	7.655	78	106631	5.68	ug/L	77
14) 1,2-Dichloroethane	7.851	62	41453	6.13	ug/L	85
15) Trichloroethene	8.214	95	30443	5.71	ug/L	94
16) 1,2-Dichloropropane	8.742	63	27703	6.06	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	32904	6.00	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	30131m	6.16	ug/L	
21) Tetrachloroethene	10.022	166	27781	5.32	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	57646	5.36	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4200	5.78	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:50 2021 Page: 2

Manual Integration Approval Summary

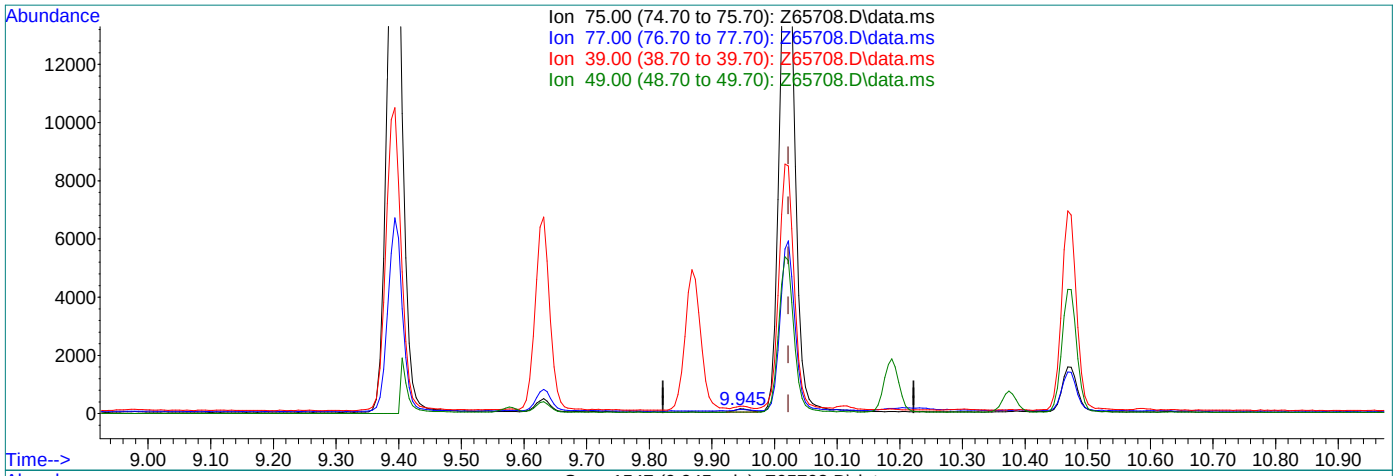
Sample Number: VZ2584-IC2584
Lab FileID: Z65708.D
Injection Time: 09/02/21 15:49
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

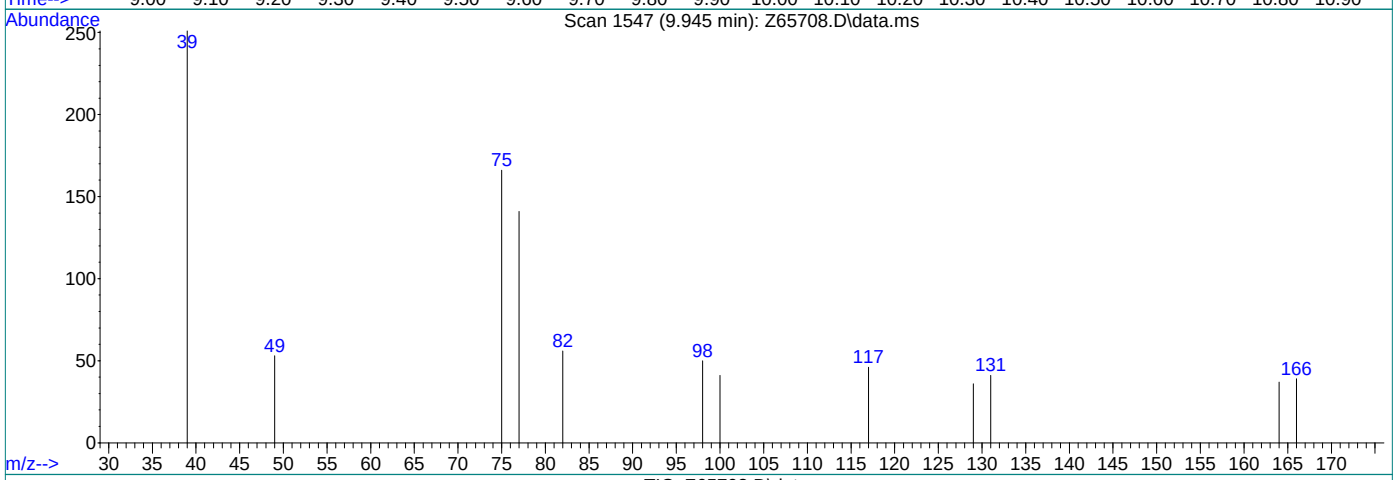
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.03ug/L

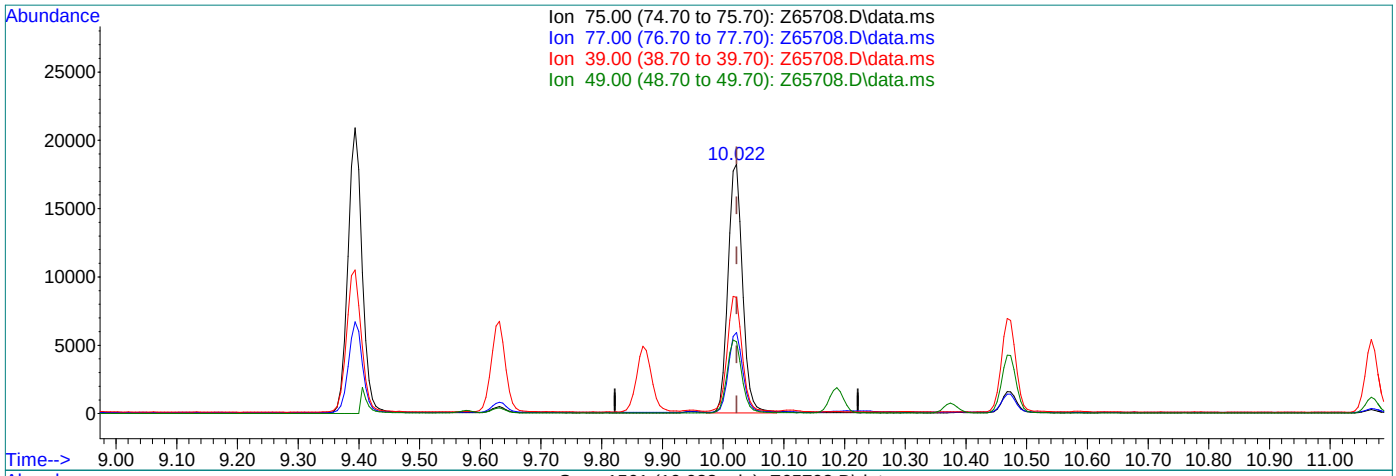
response 165

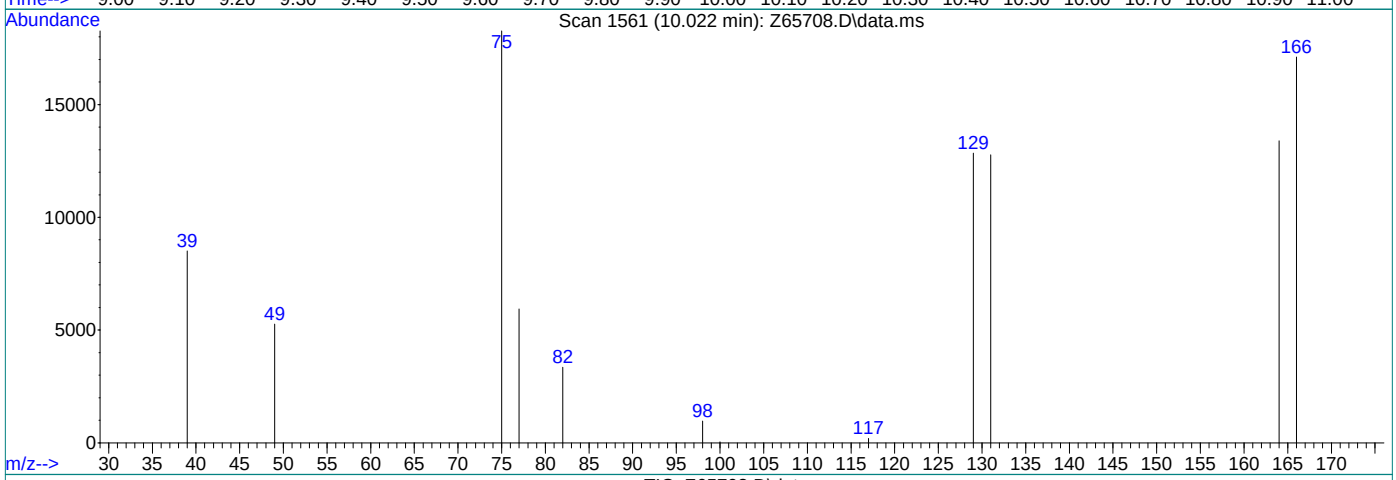
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	45.87
39.00	84.50	64.22
49.00	23.10	4.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 6.16ug/L m

response 30131

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.47
39.00	84.50	46.55#
49.00	23.10	28.79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration

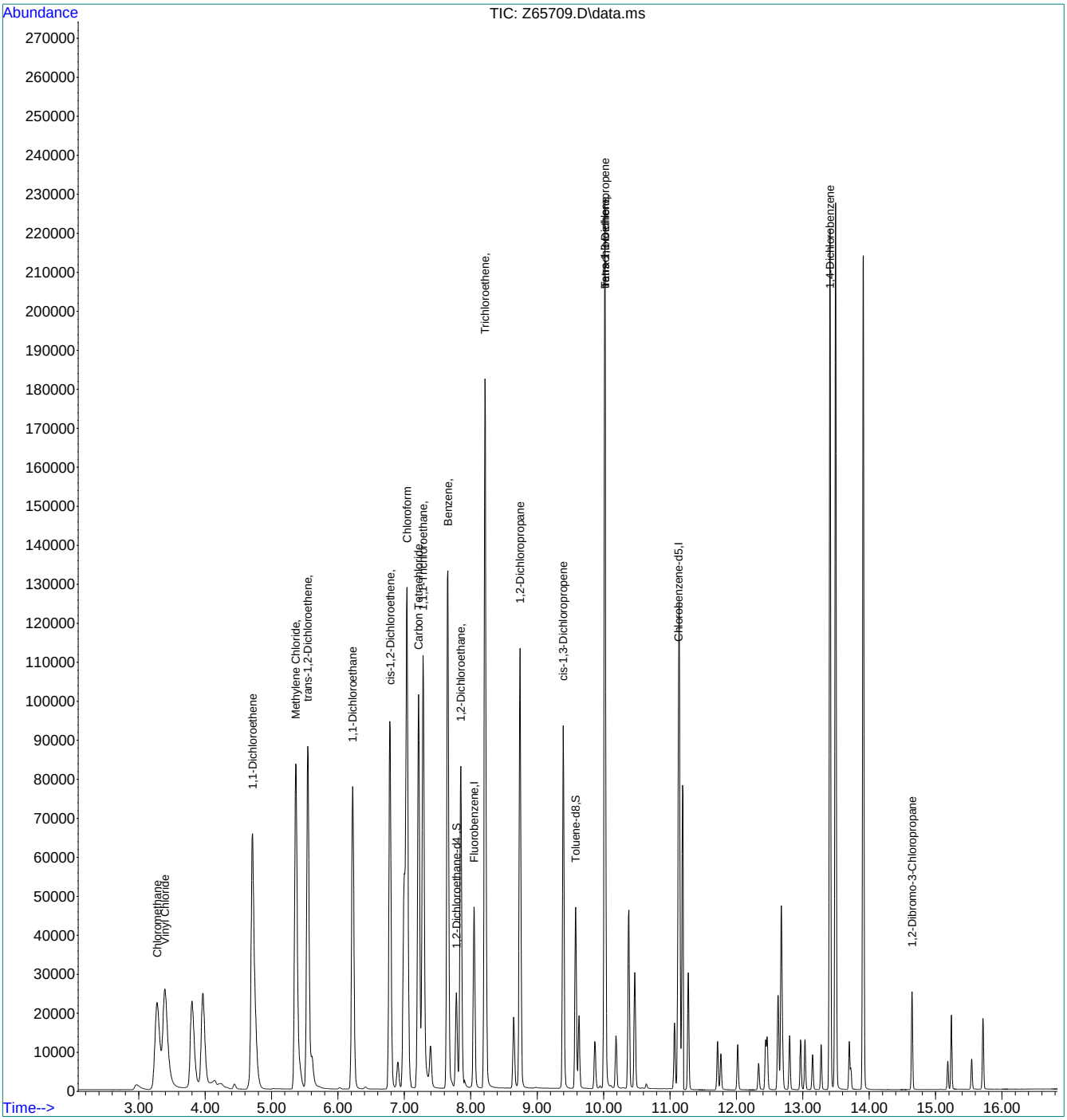
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55195	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.129	117	48252	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	22582	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	9.582	98	47291	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	87147	9.45	ug/L	96
3) Chloromethane	3.276	50	81950	8.21	ug/L	99
4) 1,1-Dichloroethene	4.713	61	92518	11.17	ug/L	97
5) Methylene Chloride	5.364	49	83728	8.07	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	85573	11.18	ug/L	81
7) 1,1-Dichloroethane	6.220	63	107770	10.87	ug/L	95
8) cis-1,2-Dichloroethene	6.786	96	60298	10.43	ug/L #	72
9) Chloroform	7.039	83	131571	8.88	ug/L	87
10) Carbon Tetrachloride	7.213	117	85778	11.59	ug/L	98
11) 1,1,1-Trichloroethane	7.281	97	103685	11.29	ug/L	88
12) Benzene	7.655	78	224591	10.94	ug/L	78
14) 1,2-Dichloroethane	7.851	62	83812	11.13	ug/L	85
15) Trichloroethene	8.214	95	64672	11.09	ug/L	95
16) 1,2-Dichloropropane	8.742	63	57120	11.25	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	78434	13.06	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	74120	12.76	ug/L #	72
21) Tetrachloroethene	10.022	166	62347	10.21	ug/L #	93
22) 1,4-Dichlorobenzene	13.411	146	130489	10.47	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9365	10.71	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration

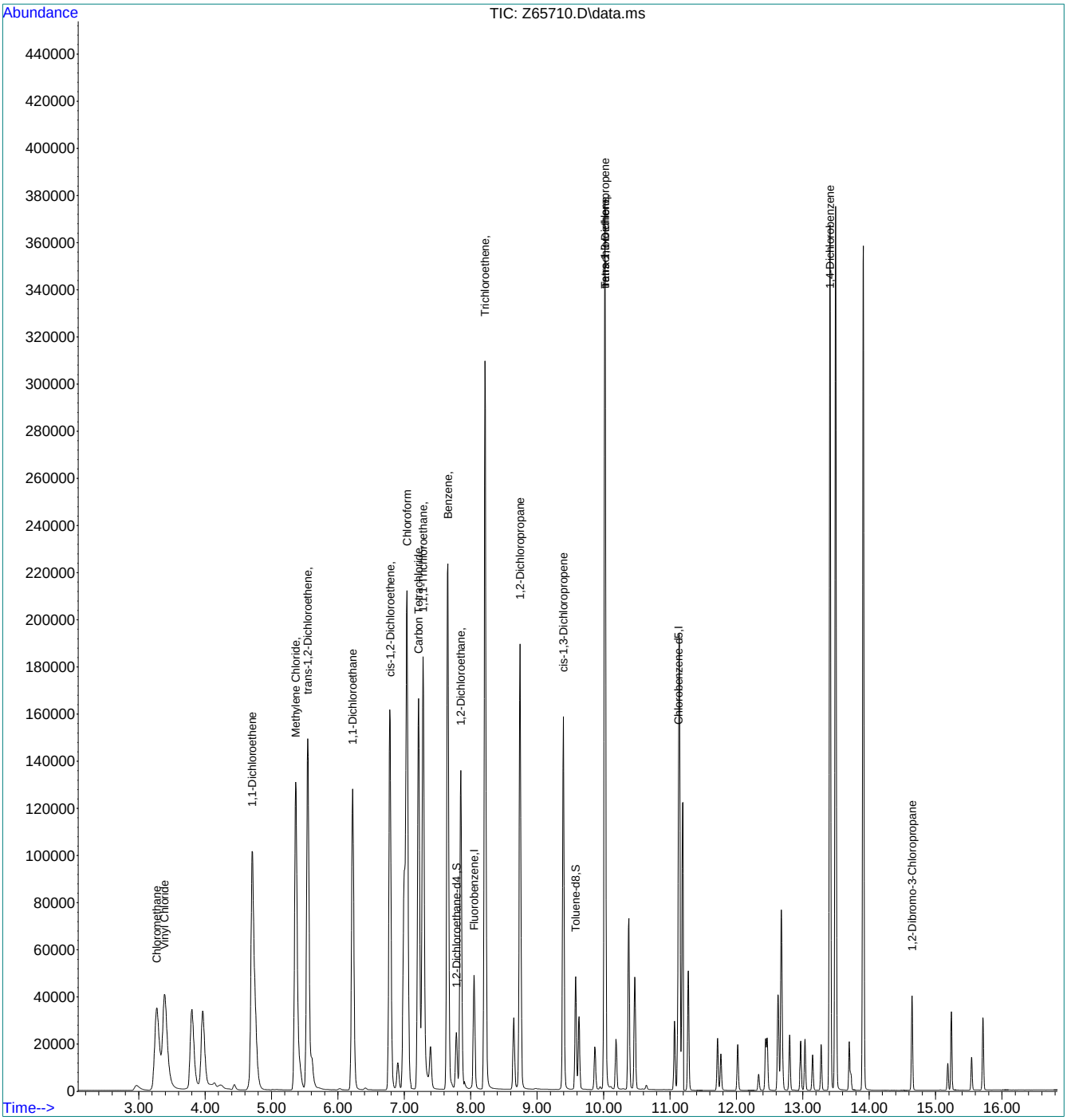
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57390	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	47769	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22673	4.87	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.40%				
19) Toluene-d8	9.582	98	47981	4.85	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	133937	13.98	ug/L		96
3) Chloromethane	3.272	50	127115	12.02	ug/L		99
4) 1,1-Dichloroethene	4.709	61	150476	16.82	ug/L		97
5) Methylene Chloride	5.364	49	131443	11.80	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	143177	17.31	ug/L		79
7) 1,1-Dichloroethane	6.221	63	176336	16.46	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	103793	16.95	ug/L	#	71
9) Chloroform	7.039	83	216866	13.64	ug/L		87
10) Carbon Tetrachloride	7.214	117	140667	17.42	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	172786	17.31	ug/L		87
12) Benzene	7.655	78	378779	17.25	ug/L		77
14) 1,2-Dichloroethane	7.852	62	136164	16.57	ug/L		85
15) Trichloroethene	8.214	95	109876	17.59	ug/L		94
16) 1,2-Dichloropropane	8.742	63	96080	17.39	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	132596	20.10	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	122935	20.36	ug/L	#	72
21) Tetrachloroethene	10.022	166	100210	16.24	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	215259	17.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	15048	16.45	ug/L	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration



Z65711.D

Manual Integrations APPROVED (compounds with "m" flag)

Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	62571	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	51778	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	24017	4.59	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.80%			
19) Toluene-d8	9.576	98	51975	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	187104	18.13	ug/L	95
3) Chloromethane	3.276	50	173024	14.83	ug/L	99
4) 1,1-Dichloroethene	4.708	61	215243	21.59	ug/L	98
5) Methylene Chloride	5.364	49	182569	14.76	ug/L #	59
6) trans-1,2-Dichloroethene	5.539	61	199142	21.53	ug/L	83
7) 1,1-Dichloroethane	6.221	63	250302	20.90	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	150870	22.45	ug/L #	74
9) Chloroform	7.039	83	307530	17.34	ug/L	86
10) Carbon Tetrachloride	7.213	117	201143	22.01	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	247681	21.97	ug/L	87
12) Benzene	7.648	78	546773	22.44	ug/L	80
14) 1,2-Dichloroethane	7.851	62	193807	20.89	ug/L	85
15) Trichloroethene	8.214	95	159528	22.97	ug/L	92
16) 1,2-Dichloropropane	8.742	63	137940	22.12	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	195826	26.26	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	180580m	26.60	ug/L	
21) Tetrachloroethene	10.022	166	145912	21.58	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	317300	23.27	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	21056	20.37	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

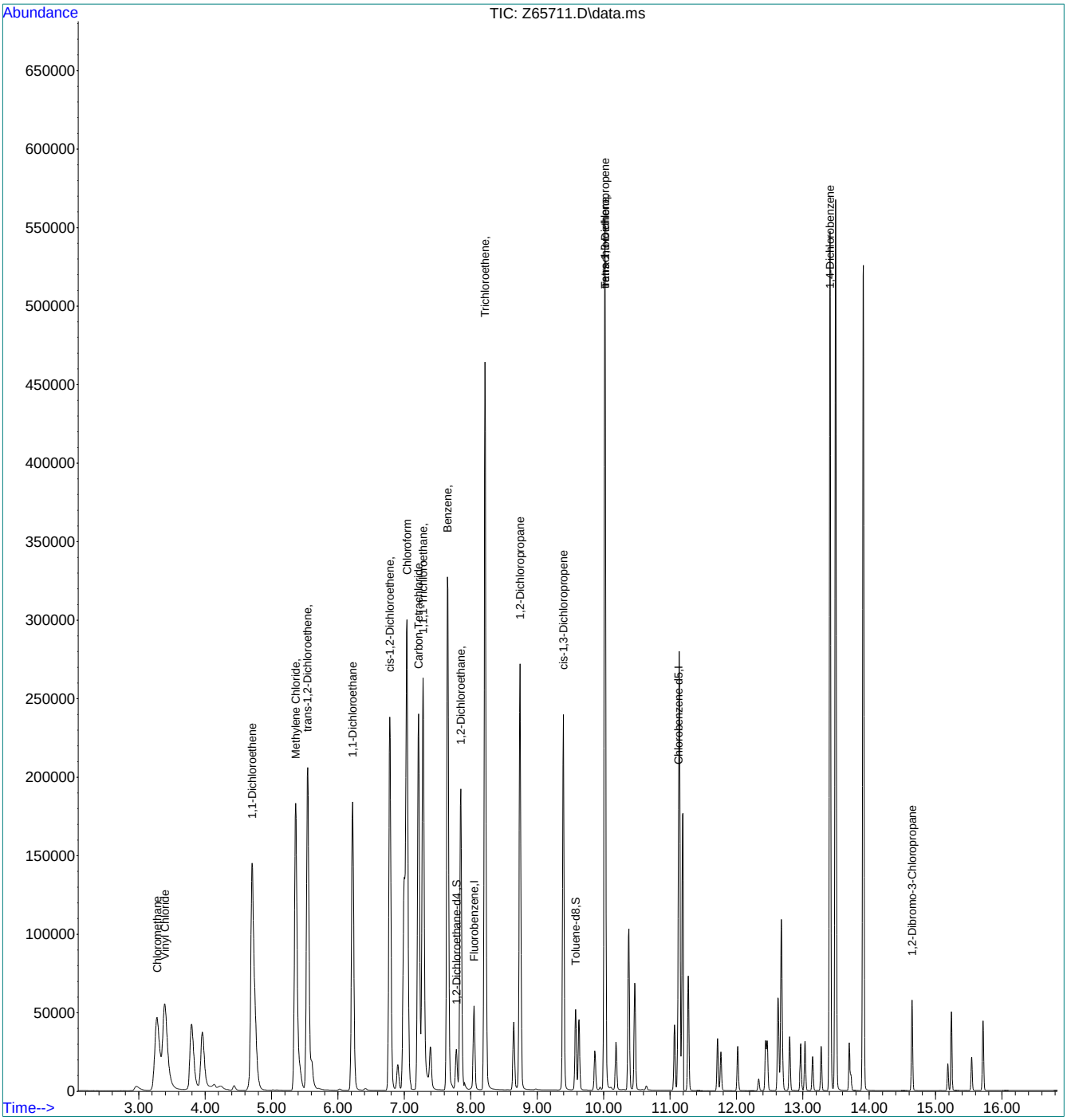
7.6.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Fri Sep 03 09:47:56 2021 Page: 2

Manual Integration Approval Summary

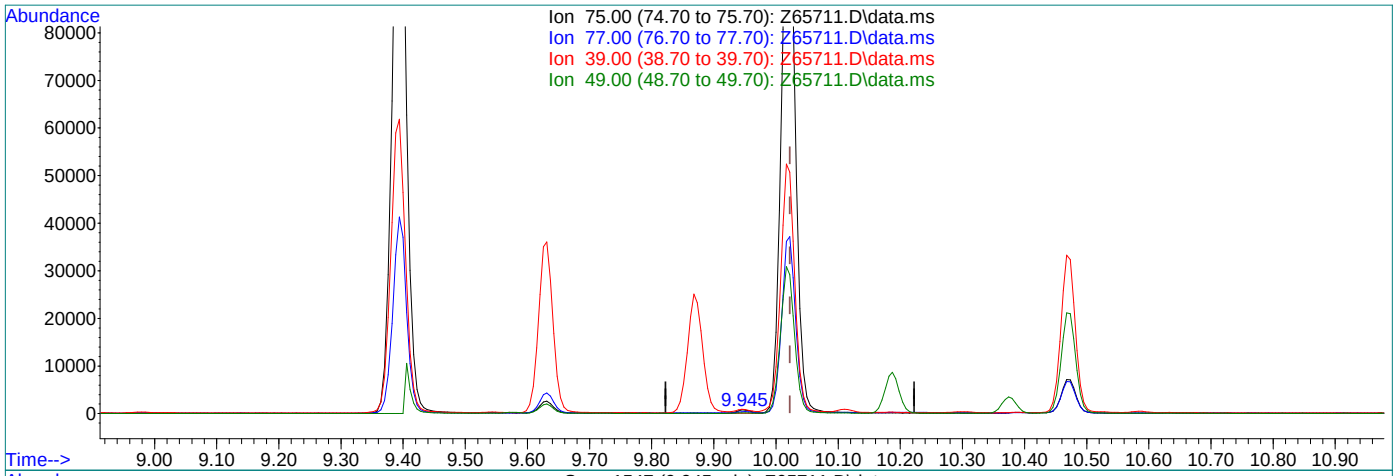
Sample Number: VZ2584-IC2584
Lab FileID: Z65711.D
Injection Time: 09/02/21 16:51
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

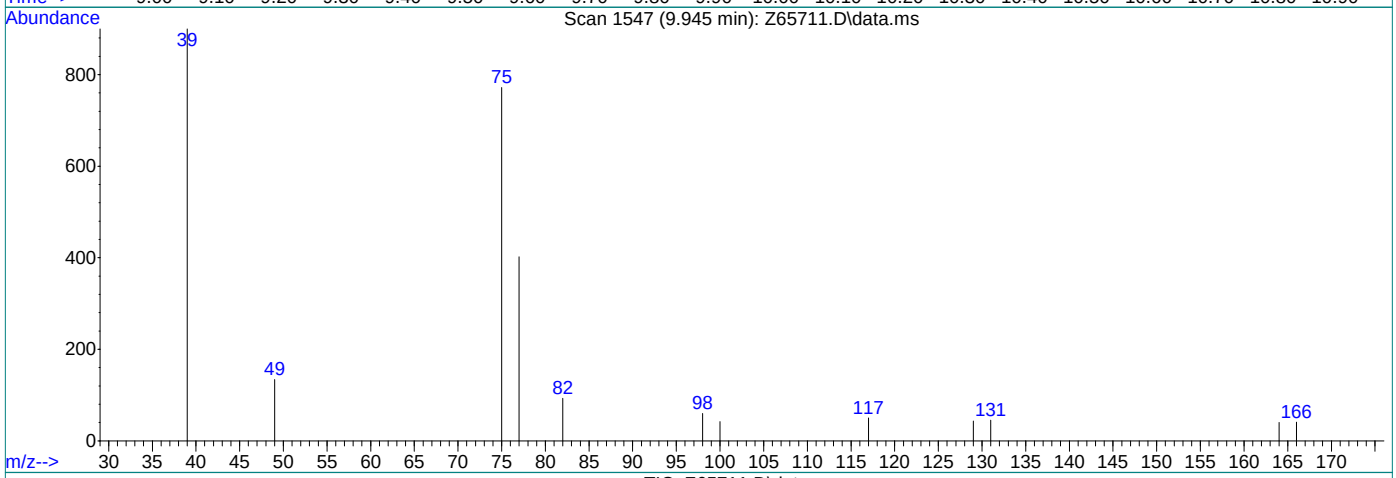
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.16ug/L

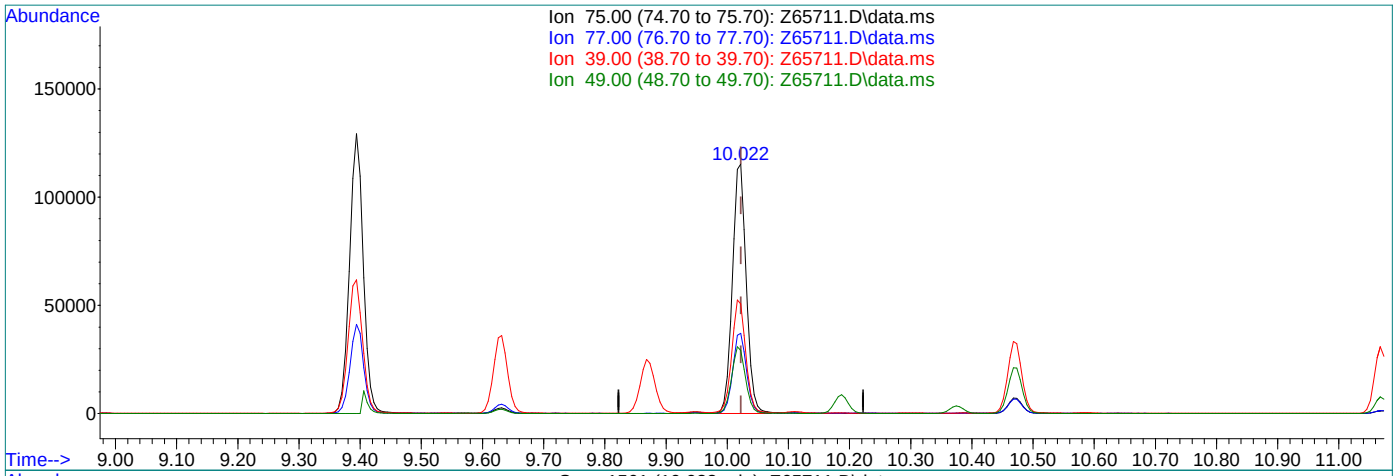
response 1119

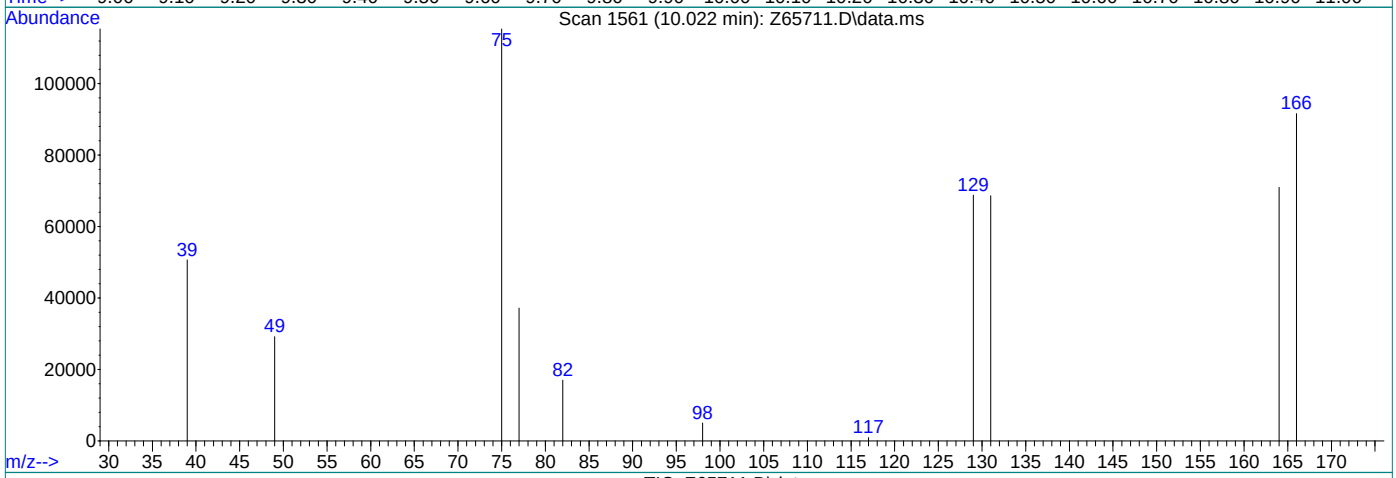
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	40.40
39.00	84.50	60.60
49.00	23.10	11.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (-0.000) 26.60ug/L m

response 180580

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.21
39.00	84.50	43.94#
49.00	23.10	25.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

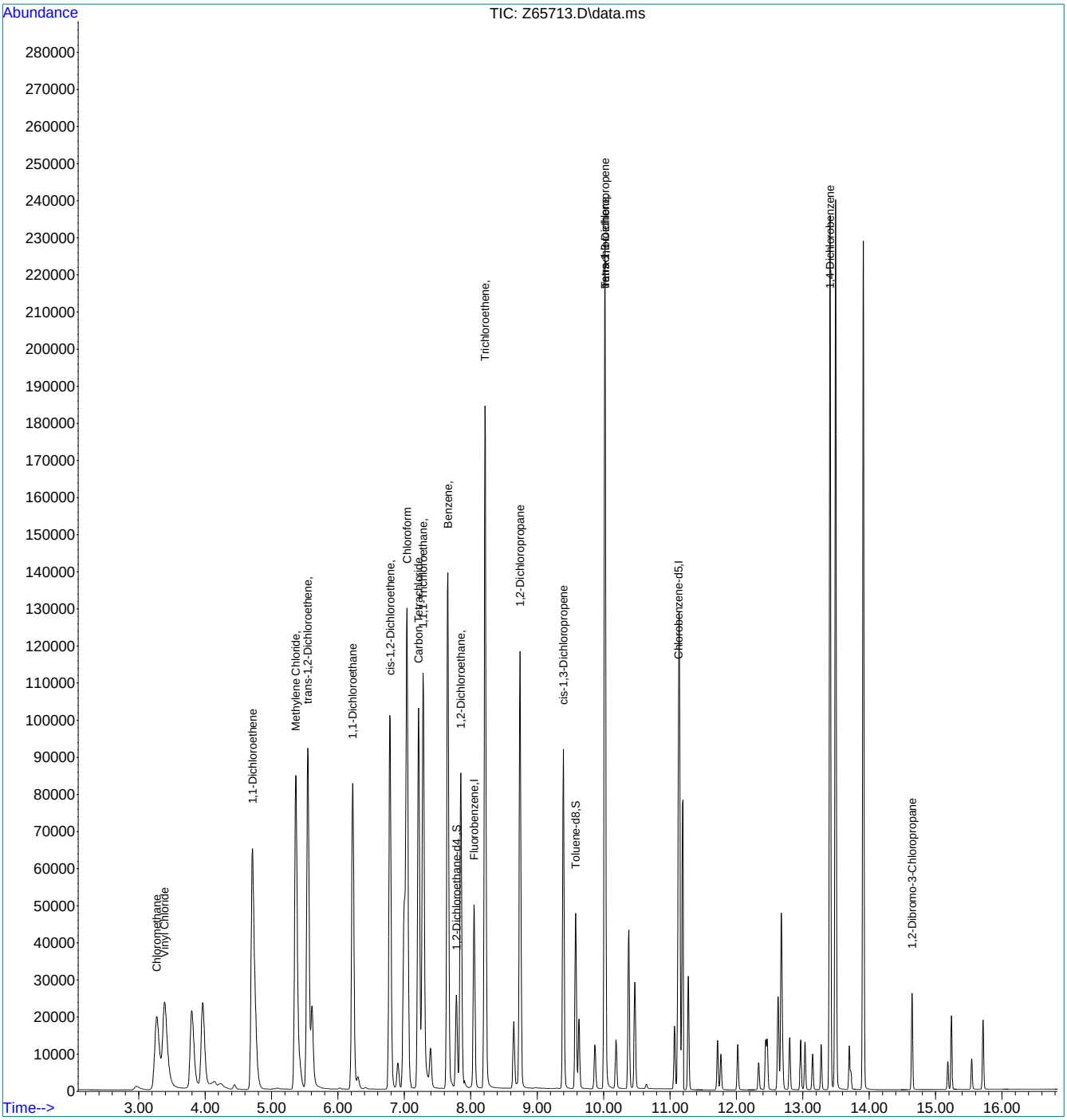
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	58471	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	49864	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	23498	4.68	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.60%				
19) Toluene-d8	9.582	98	47578	4.63	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	77995	8.11	ug/L		96
3) Chloromethane	3.272	50	71565	7.97	ug/L		99
4) 1,1-Dichloroethene	4.713	61	97316	10.11	ug/L		96
5) Methylene Chloride	5.364	49	84741	9.28	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	89226	10.00	ug/L		81
7) 1,1-Dichloroethane	6.221	63	115788	9.98	ug/L		96
8) cis-1,2-Dichloroethene	6.786	96	64106	9.96	ug/L	#	72
9) Chloroform	7.039	83	134201	9.28	ug/L		87
10) Carbon Tetrachloride	7.213	117	87096	9.72	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	105445	9.55	ug/L		89
12) Benzene	7.655	78	232516	9.93	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85793	9.49	ug/L		85
15) Trichloroethene	8.214	95	66641	9.97	ug/L		95
16) 1,2-Dichloropropane	8.742	63	59794	9.84	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75760	9.17	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	76225	9.76	ug/L	#	72
21) Tetrachloroethene	10.022	166	59587	8.94	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	139378	10.44	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9674	9.62	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

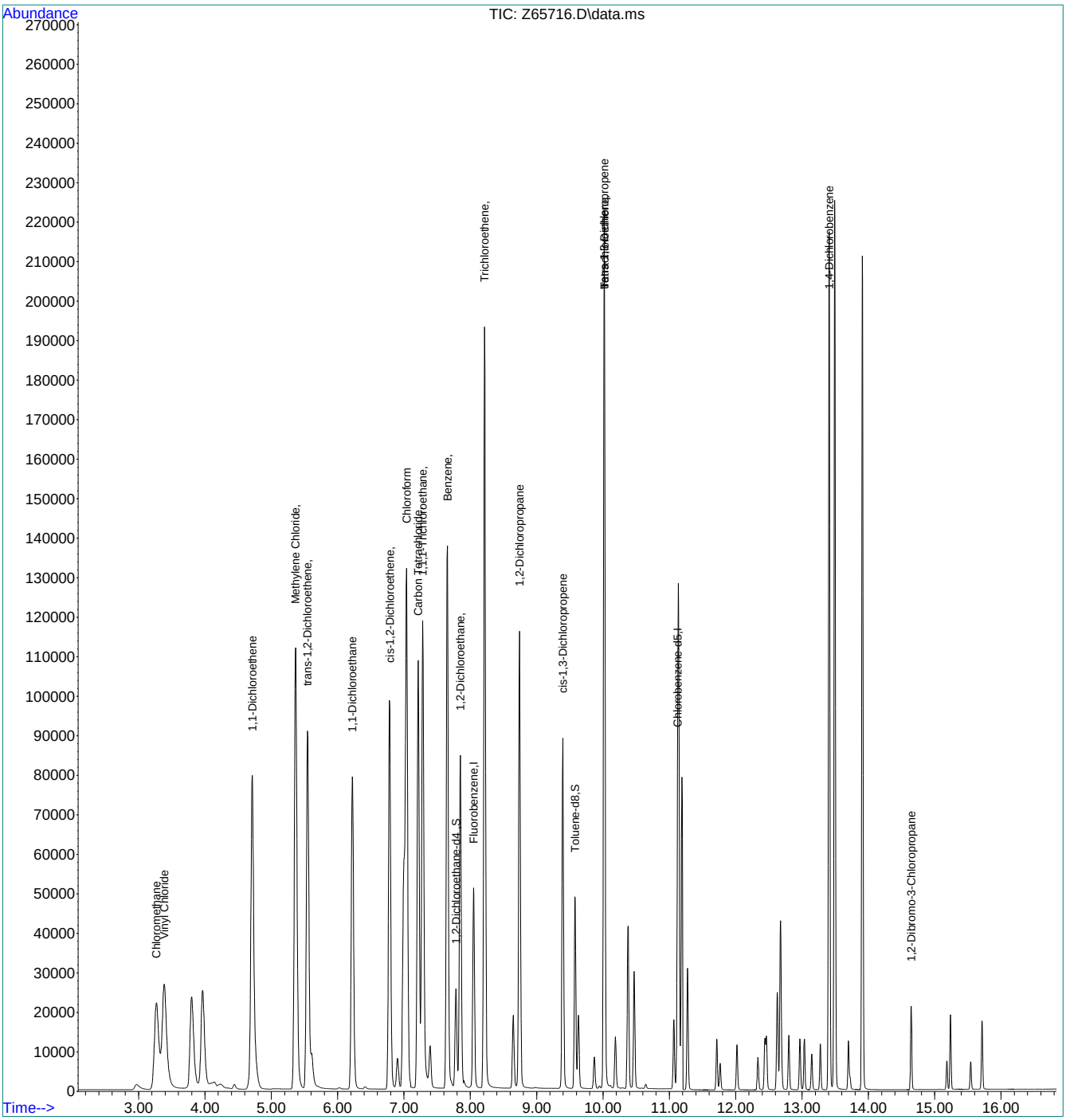
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	60582	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	49907	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	23716	4.56	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.20%				
19) Toluene-d8	9.577	98	49419	4.81	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	82227	8.25	ug/L		95
3) Chloromethane	3.267	50	76870	8.29	ug/L		99
4) 1,1-Dichloroethene	4.713	61	96337	9.66	ug/L		97
5) Methylene Chloride	5.364	49	104781	11.20	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	88507	9.58	ug/L		80
7) 1,1-Dichloroethane	6.220	63	111204	9.25	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	63448	9.52	ug/L	#	72
9) Chloroform	7.039	83	137434	9.17	ug/L		87
10) Carbon Tetrachloride	7.213	117	90473	9.74	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	110338	9.64	ug/L		88
12) Benzene	7.654	78	233885	9.64	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85343	9.11	ug/L		85
15) Trichloroethene	8.214	95	68431	9.88	ug/L		94
16) 1,2-Dichloropropane	8.742	63	59715	9.48	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75248	8.83	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	66672m	8.64	ug/L		
21) Tetrachloroethene	10.022	166	62878	9.43	ug/L	#	94
22) 1,4-Dichlorobenzene	13.411	146	130239	9.74	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	7910	7.88	ug/L	#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

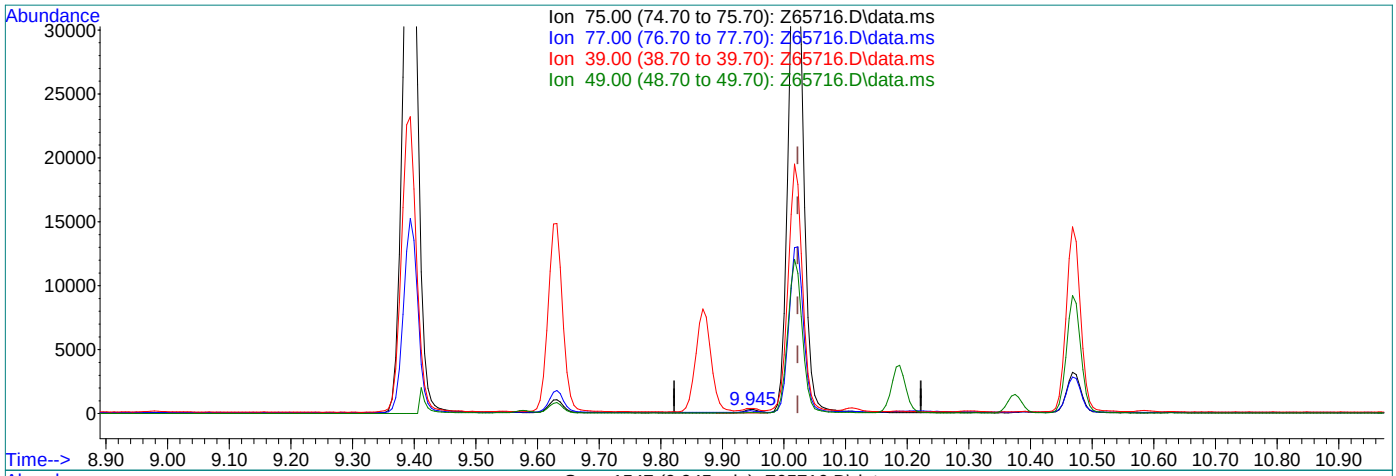
Sample Number: VZ2585-CC2584
Lab FileID: Z65716.D
Injection Time: 09/03/21 10:03
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

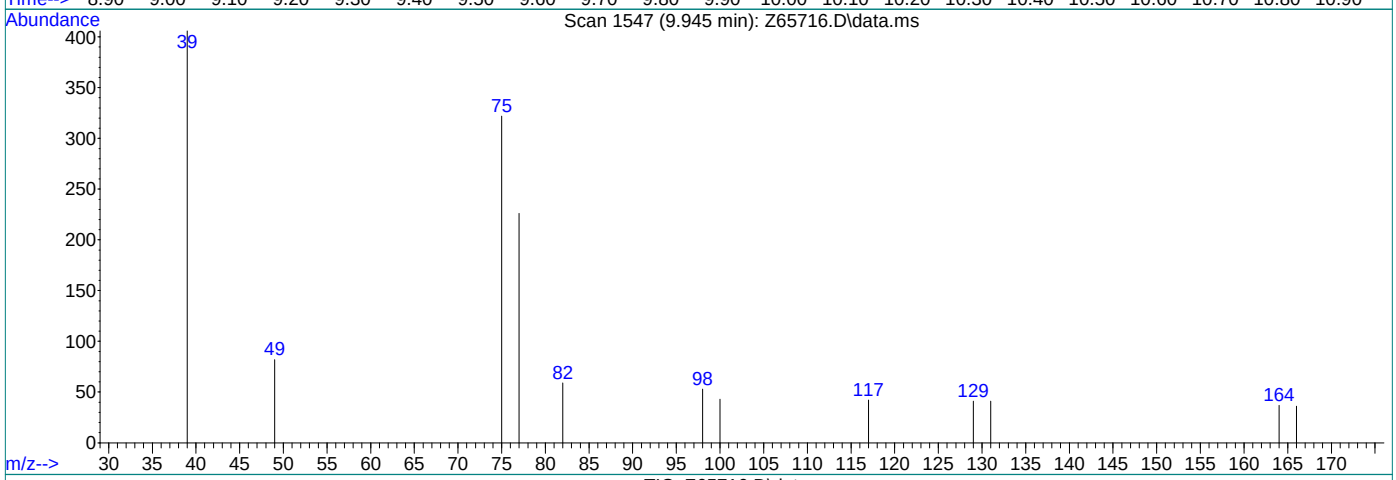
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.06ug/L

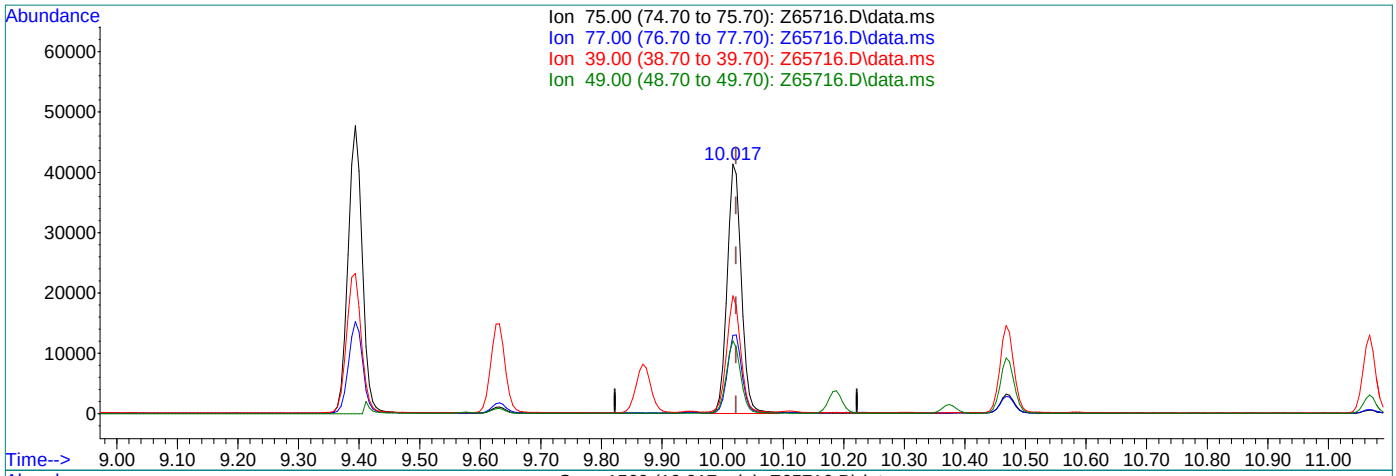
response 433

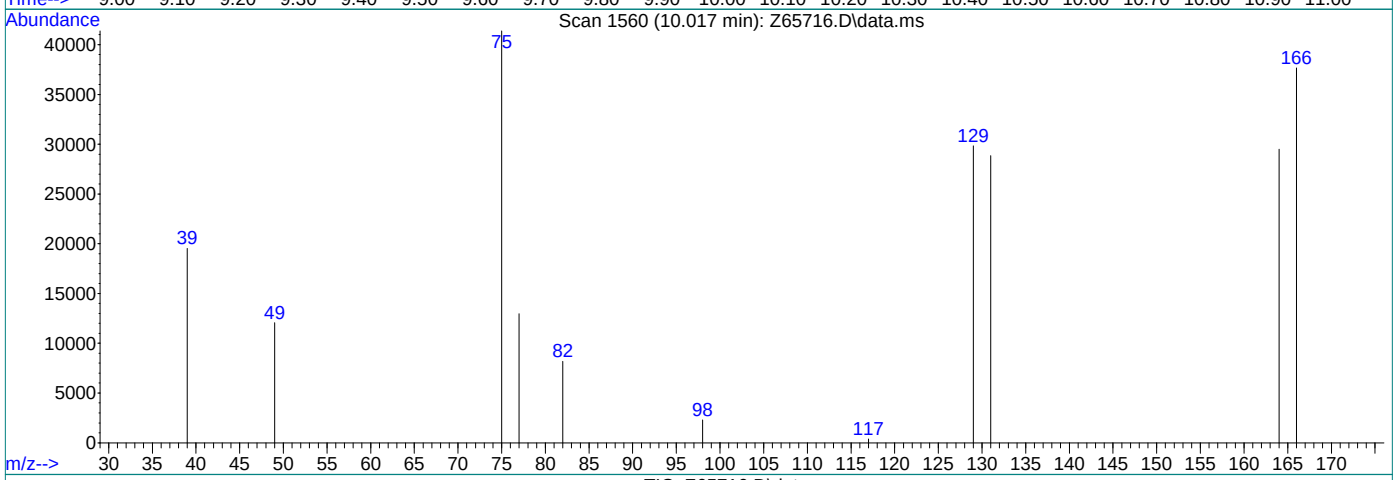
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	48.70
39.00	84.50	55.76
49.00	23.10	11.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 8.64ug/L m

response 66672

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.35
39.00	84.50	47.18#
49.00	23.10	29.17

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

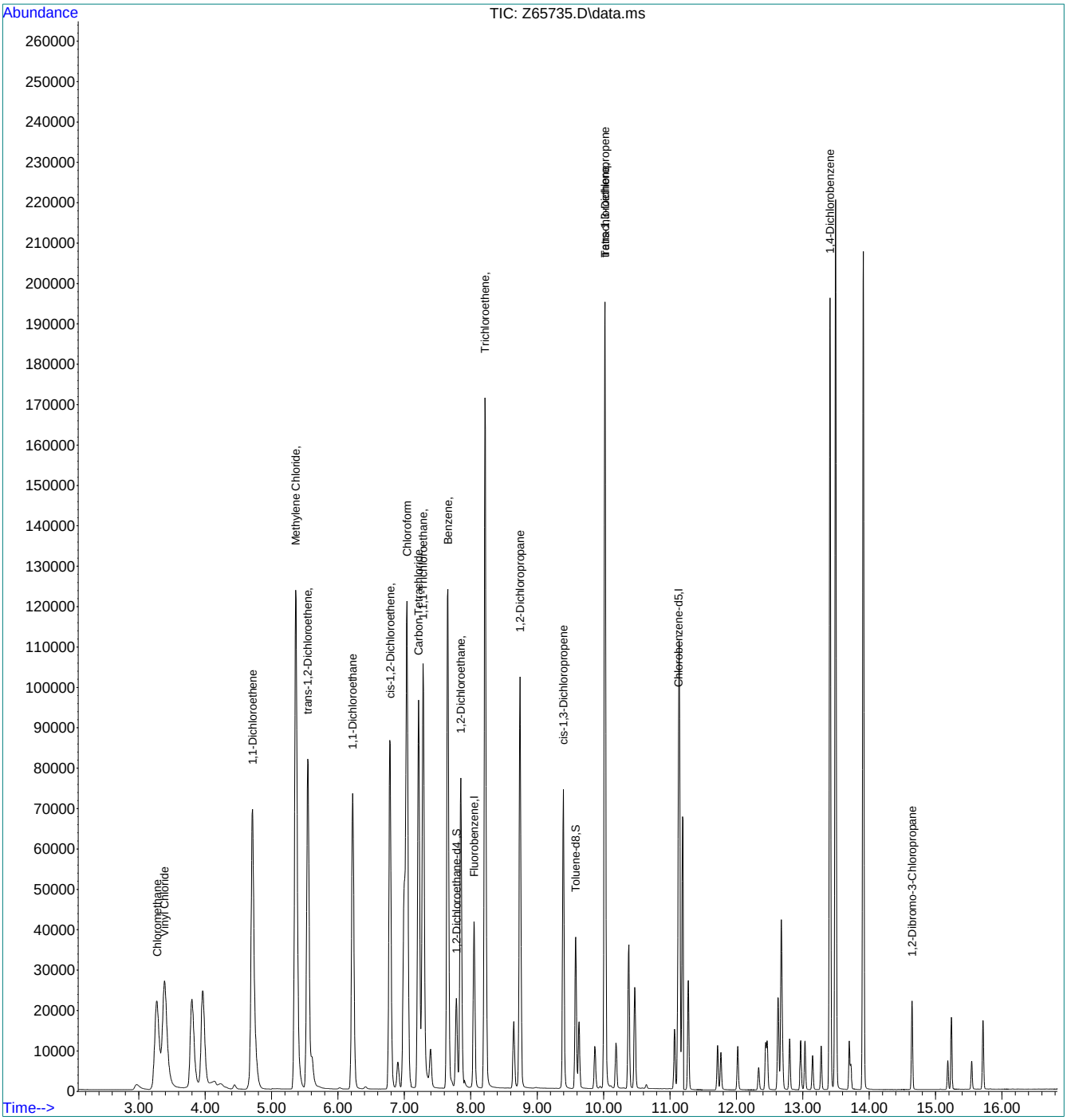
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	48867	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	41202	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	20903	4.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%				
19) Toluene-d8	9.582	98	38405	4.52	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	84605	10.52	ug/L		96
3) Chloromethane	3.276	50	78623	10.71	ug/L		98
4) 1,1-Dichloroethene	4.713	61	88223	10.96	ug/L		97
5) Methylene Chloride	5.364	49	117218	16.00	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	80165	10.75	ug/L		80
7) 1,1-Dichloroethane	6.221	63	102015	10.52	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	55479	10.32	ug/L	#	72
9) Chloroform	7.039	83	124572	10.31	ug/L		87
10) Carbon Tetrachloride	7.213	117	81069	10.82	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	98421	10.66	ug/L		89
12) Benzene	7.655	78	208595	10.66	ug/L		78
14) 1,2-Dichloroethane	7.851	62	76777	10.16	ug/L		85
15) Trichloroethene	8.214	95	61339	10.98	ug/L		96
16) 1,2-Dichloropropane	8.742	63	51055	10.05	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	62240	9.03	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	60324m	9.38	ug/L		
21) Tetrachloroethene	10.022	166	53138	9.65	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	116459	10.55	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8233	9.90	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

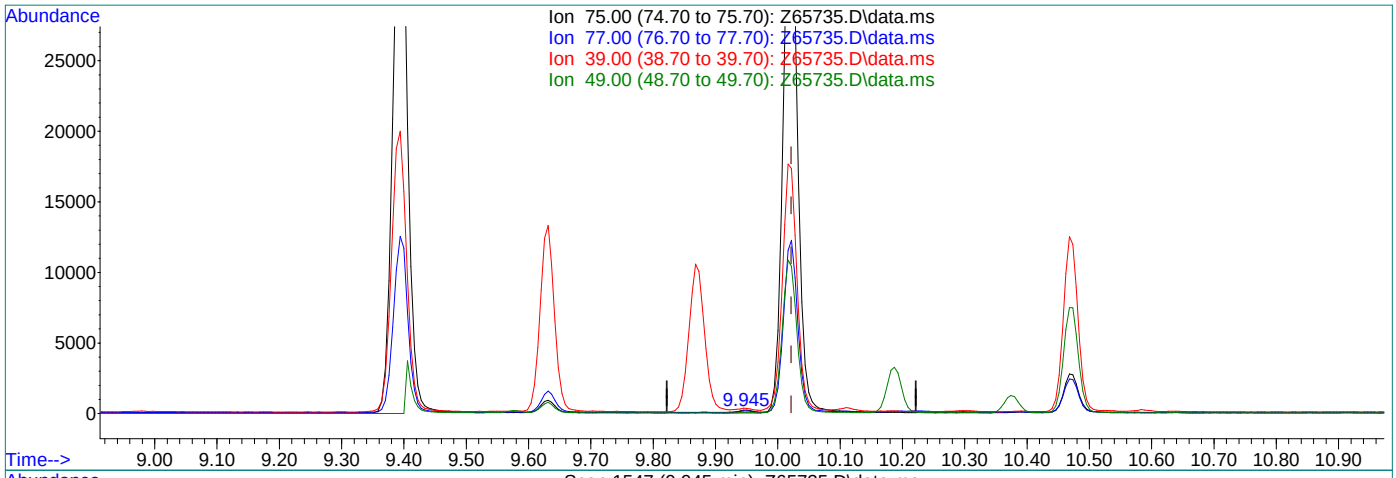
Sample Number: VZ2585-ECC2584
Lab FileID: Z65735.D
Injection Time: 09/03/21 17:15
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

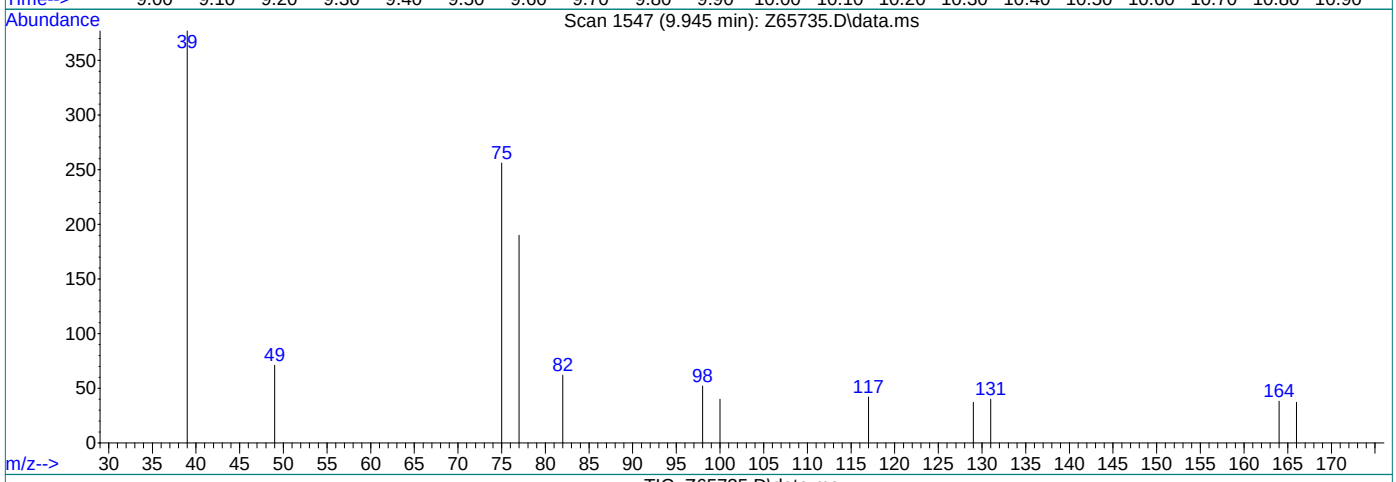
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.05ug/L

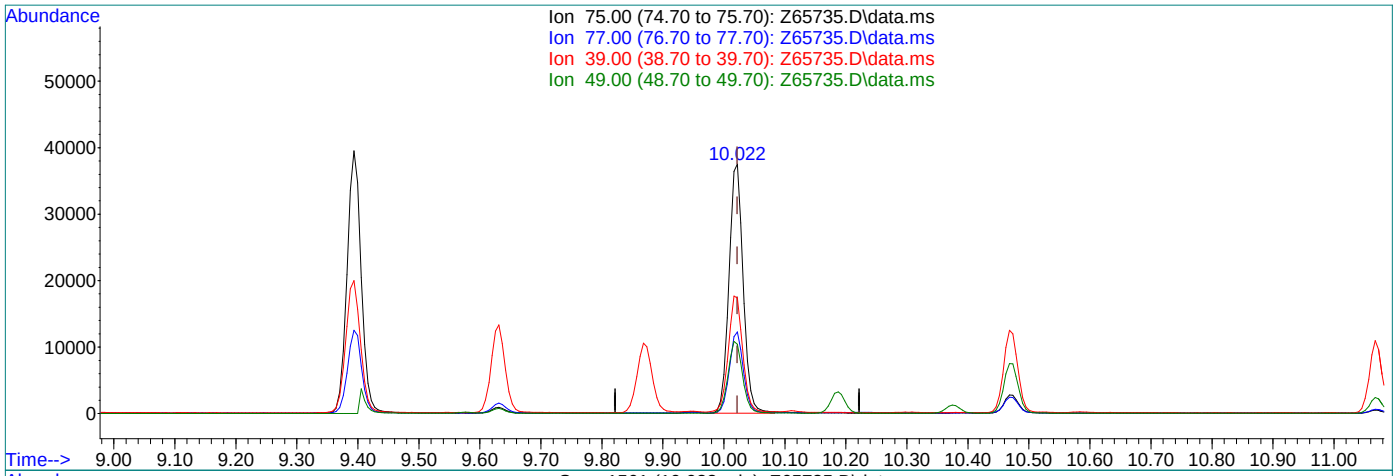
response 313

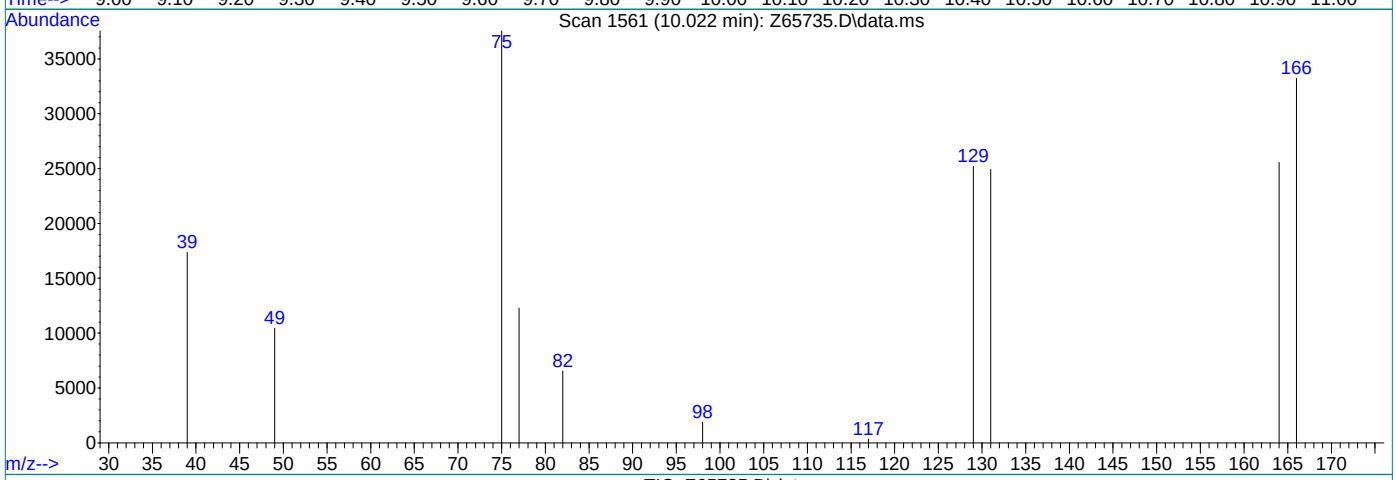
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	52.00
39.00	84.50	72.00
49.00	23.10	11.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 9.38ug/L m

response 60324

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.68
39.00	84.50	46.24#
49.00	23.10	27.77

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/03/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-03-2021.M
CALIB. DATE:	9/3/2021
EM VOLTAGE:	1600V
BFB RESPONSE	3190870
AFA:	N/A
RUN ID:	**VO2546**

BFB:	V26371
ICAL/CC:	VS1466, VS1463
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1464

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O64949	MB	-	-	W	1	BFB_SIM		-	-	-	
O64950	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O64951	IC2546-1	-	-	W	3	ACQ_SIMCLb		-	-	-	1uL→ 100mL
O64952	IC2546-2	-	-	W	4	ACQ_SIMCLb		-	-	-	**5uL→ 100mL**
O64953	IC2546-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O64954	IC2546-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O64955	ICC2546-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64956	IC2546-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ **50mL**
O64957	IC2546-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O64958	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O64959	ICV2546-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/04/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-03-2021.M
CALIB. DATE:	9/3/2021
EM VOLTAGE:	1600V
BFB RESPONSE	3420751
AFA:	N/A
RUN ID:	**VO2547**

BFB:	V26371
ICAL/CC:	VS1466, VS1463
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1464

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/07/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O64960	MB	-	-	W	1	BFB_SIM		-	-	-	
O64961	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O64962	CC2546-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64963	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O64964	MB	-	-	W	5	ACQ_SIMCLb	#9 PDB	-	-	-	
O64965	MB	-	-	W	6	ACQ_SIMCLb	#9 PDB	-	-	-	
O64966	FA88610-1	1x	1	W	7	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64967	FA88610-2	1x	1	W	8	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64968	FA88610-3	1x	1	W	9	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64969	FA88610-4	1x	1	W	10	ACQ_SIMCLb	#9 PDB	1	N	-	
O64970	FA88610-5	1x	1	W	11	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64971	FA88610-7	1x	1	W	12	ACQ_SIMCLb	#9 PDB	1	N	-	
O64972	FA88610-8	1x	1	W	13	ACQ_SIMCLb	#9 PDB	1	N	-	
O64973	FA88610-9	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O64974	FA88610-10	1x	1	W	15	ACQ_SIMCLb		1	N	-	
O64975	FA88610-11	1x	1	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O64976	Conditioning STD	-	-	W	17	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64977	MB	-	-	W	18	ACQ_SIMCLb		-	-	-	
O64978	FA88610-12	1x	1	W	19	ACQ_SIMCLb		1	N	-	
O64979	FA88610-13	1x	1	W	20	ACQ_SIMCLb		1	N	-	
O64980	FA88610-14	1x	1	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O64981	FA88610-15	1x	1	W	22	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64982	FA88610-16	1x	1	W	23	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64983	FA88610-17	1x	1	W	24	ACQ_SIMCLb	#9 PDB	1	N	-	
O64984	FA88610-18	1x	1	W	25	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64985	FA88608-3	1x	2	W	26	ACQ_SIMCLb	#9 PDB	1	N	-	SS1↑; ND
O64986	FA88610-1MS	5x	1	W	27	ACQ_SIMCLb	#4, 5, 6, 8 OP	1	N	-	20uL→ 40mL
O64987	FA88610-1MSD	5x	1	W	28	ACQ_SIMCLb	#4, 6, 8 OP	1	N	-	20uL→ 40mL
O64988	ECC2546-5	-	-	W	29	ACQ_SIMCLb	#4, 6, 8 OP	-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/02/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1437809	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2584		DATE VERIFIED: 09/03/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65700	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65701	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65702	CC2575-5	-	-	w	3	ACQ_SIMCLB		-	-	-	50µL → 50mL ; multiple failures
Z65703	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL
Z65704	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65705	IC2584-1	-	-	w	6	ACQ_SIMCLB	#3, 22, 23 MP ; #9-11 PDB	-	-	-	1µL → 100mL ✓
Z65706	IC2584-2	-	-	w	7	ACQ_SIMCLB	#9, 10 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65707	IC2584-3	-	-	w	8	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65708	IC2584-4	-	-	w	9	ACQ_SIMCLB	#20 MP	-	-	-	25µL → 50mL ✓
Z65709	ICC2584-5	-	-	w	10	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65710	IC2584-6	-	-	w	11	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65711	IC2584-7	-	-	w	12	ACQ_SIMCLB	#20 MP	-	-	-	100µL → 50mL ✓
Z65712	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65713	ICV2584-5	-	-	w	14	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/03/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1582784	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2585		DATE VERIFIED: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65714	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65715	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65716	CC2584-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65717	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65718	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65719	MB	-	-	w	6	ACQ_SIMCLB		-	-	-	
Z65720	FA88610-6	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65721	FA88607-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65722	FA88607-1	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65723	FA88607-3	1x	1	w	10	ACQ_SIMCLB		1	N	-	
Z65724	FA88607-4	1x	1	w	11	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65725	FA88605-1	1x	1	w	12	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65726	FA88605-2	1x	1	w	13	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65727	FA88605-3	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65728	Conditioning Std.	-	-	w	15	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65729	Blank	-	-	w	16	ACQ_SIMCLB		-	-	-	
Z65730	FA88608-1	1x	1	w	17	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65731	FA88608-2	1x	1	w	18	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65732	FA88608-3	1x	1	w	19	ACQ_SIMCLB		1	N	1x	GC Connection lost - not acq.
Z65733	FA88607-3MS	5x	1	w	20	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65734	FA88607-3MSD	5x	1	w	21	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65735	ECC2584-5	1x	1	w	22	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP Lower

SGS Job Number: FA88610

Sampling Date: 08/31/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **406**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Test results relate only to samples analyzed.

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88610

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP Lower

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88610-1	08/31/21	08:54	TMLH	09/02/21	AQ	Ground Water	2135W0BW220F
FA88610-2	08/31/21	10:20	TMLH	09/02/21	AQ	Ground Water	2135W0BW223F
FA88610-3	08/31/21	10:30	TMLH	09/02/21	AQ	Ground Water	2135W0BW224F
FA88610-4	08/31/21	10:40	TMLH	09/02/21	AQ	Ground Water	2135W0BW225F
FA88610-5	08/31/21	10:50	TMLH	09/02/21	AQ	Ground Water	2135W0BW226F
FA88610-6	08/31/21	07:00	TMLH	09/02/21	AQ	Trip Blank Water	2135W0BW227A
FA88610-7	08/31/21	12:05	TMLH	09/02/21	AQ	Ground Water	2135W0BW230F
FA88610-8	08/31/21	14:20	TMLH	09/02/21	AQ	Ground Water	2135W0BW232F
FA88610-9	08/31/21	14:30	TMLH	09/02/21	AQ	Ground Water	2135W0BW233F
FA88610-10	08/31/21	16:00	TMLH	09/02/21	AQ	Ground Water	2135W0BW234F
FA88610-11	08/31/21	16:15	TMLH	09/02/21	AQ	Ground Water	2135W0BW235F
FA88610-12	08/31/21	16:25	TMLH	09/02/21	AQ	Ground Water	2135W0BW236C
FA88610-13	08/31/21	16:30	TMLH	09/02/21	AQ	Ground Water	2135W0BW237B

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88610

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP Lower

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88610-14	08/31/21	09:50	TMLH	09/02/21	AQ	Ground Water	2135WOU2221F
FA88610-15	08/31/21	11:45	TMLH	09/02/21	AQ	Ground Water	2135WOU2228F
FA88610-16	08/31/21	13:15	CKSM	09/02/21	AQ	Ground Water	2135YOU2038F
FA88610-17	08/31/21	13:25	CKSM	09/02/21	AQ	Ground Water	2135YOU2039F
FA88610-18	08/31/21	14:50	CKSM	09/02/21	AQ	Ground Water	2135Y0BW044F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88610

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/17/2021 10:58:11

On 09/02/2021, 17 Sample(s), 1 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88610 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2547

Sample(s) FA88610-1MS, FA88610-1MSD were used as the QC samples indicated.

Sample(s) FA88610-15, FA88610-16, FA88610-18 have surrogates outside control limits.

FA88610-4 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-5 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-7 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-10 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-11 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-12 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits; however, sample is ND.

FA88610-13 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits; however, sample is ND.

FA88610-14 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-15 for 1,2-Dichloroethane-D4: Outside control limits. Confirmed by reanalysis.

FA88610-16 for 1,2-Dichloroethane-D4: Outside control limits. Confirmed by reanalysis.

FA88610-17 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

FA88610-18 for 1,2-Dichloroethane-D4: Outside control limits. Confirmed by reanalysis.

Matrix: AQ **Batch ID:** VO2550

FA88610-15: Confirmation run for surrogate recoveries.

FA88610-16: Confirmation run for surrogate recoveries.

FA88610-18: Confirmation run for surrogate recoveries.

Matrix: AQ **Batch ID:** VZ2585

Sample(s) FA88607-3MS, FA88607-3MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2-Dichloroethane, Carbon Tetrachloride, Trichloroethylene are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88610
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88610-1	**2135W0BW220F**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		1.5	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-2	**2135W0BW223F**					
Trichloroethylene		4.0	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-3	**2135W0BW224F**					
Trichloroethylene		0.40 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-4	**2135W0BW225F**					
Carbon Tetrachloride		3.0	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-5	**2135W0BW226F**					
Carbon Tetrachloride		0.31 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-6	**2135W0BW227A**					
No hits reported in this sample.						
FA88610-7	**2135W0BW230F**					
Trichloroethylene		1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-8	**2135W0BW232F**					
Trichloroethylene		2.0	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-9	**2135W0BW233F**					
Carbon Tetrachloride		1.2	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-10	**2135W0BW234F**					
Trichloroethylene		1.3	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-11	**2135W0BW235F**					
Trichloroethylene		0.37 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88610
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88610-12	**2135W0BW236C**					
No hits reported in this sample.						
FA88610-13	**2135W0BW237B**					
No hits reported in this sample.						
FA88610-14	**2135WOU2221F**					
Carbon Tetrachloride		1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-15	**2135WOU2228F**					
Trichloroethylene		0.35 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-16	**2135YOU2038F**					
Trichloroethylene		3.6	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-17	**2135YOU2039F**					
Trichloroethylene		2.2	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88610-18	**2135Y0BW044F**					
Carbon Tetrachloride		0.14 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		10.0	0.50	0.25	ug/l	SW846 8260B BY SIM

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW220F		
Lab Sample ID:	FA88610-1	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64966.D	1	09/04/21 10:55	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.5	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW223F		
Lab Sample ID:	FA88610-2	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64967.D	1	09/04/21 11:18	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	4.0	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW224F		
Lab Sample ID:	FA88610-3	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64968.D	1	09/04/21 11:41	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.40	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW225F		
Lab Sample ID:	FA88610-4	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64969.D	1	09/04/21 12:04	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	3.0	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	119% [a]		74-125%
2037-26-5	Toluene-D8	99%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW226F		
Lab Sample ID:	FA88610-5	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64970.D	1	09/04/21 12:27	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.31	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120% [a]		74-125%
2037-26-5	Toluene-D8	99%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW227A		
Lab Sample ID:	FA88610-6	**Date Sampled:**	08/31/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65720.D	1	09/03/21 11:27	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW230F		
Lab Sample ID:	FA88610-7	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64971.D	1	09/04/21 12:51	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.1	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	120% [a]		74-125%
2037-26-5	Toluene-D8	99%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW232F		
Lab Sample ID:	FA88610-8	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64972.D	1	09/04/21 13:14	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.0	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	118%		74-125%
2037-26-5	Toluene-D8	100%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW233F		
Lab Sample ID:	FA88610-9	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64973.D	1	09/04/21 13:37	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.2	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	118%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW234F		
Lab Sample ID:	FA88610-10	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64974.D	1	09/04/21 14:00	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.3	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	122% [a]		74-125%
2037-26-5	Toluene-D8	99%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW235F		
Lab Sample ID:	FA88610-11	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64975.D	1	09/04/21 14:23	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.37	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	122% [a]		74-125%
2037-26-5	Toluene-D8	99%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW236C		
Lab Sample ID:	FA88610-12	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64978.D	1	09/04/21 15:33	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	121% [a]		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Outside DOD QSM control limits; however, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW237B		
Lab Sample ID:	FA88610-13	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64979.D	1	09/04/21 15:57	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	124% [a]		74-125%
2037-26-5	Toluene-D8	101%		88-111%

(a) Outside DOD QSM control limits; however, sample is ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135WOU2221F		
Lab Sample ID:	FA88610-14	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64980.D	1	09/04/21 16:20	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	124% [a]		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135WOU2228F		
Lab Sample ID:	FA88610-15	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64981.D	1	09/04/21 16:43	CG	n/a	n/a	VO2547
Run #2 [a]	O65033.D	1	09/07/21 22:26	CG	n/a	n/a	VO2550

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.35	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	126% [c]	140% [b]	74-125%
2037-26-5	Toluene-D8	95%	92%	88-111%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits.
(c) Outside control limits. Confirmed by reanalysis.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135YOU2038F		
Lab Sample ID:	FA88610-16	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64982.D	1	09/04/21 17:06	CG	n/a	n/a	VO2547
Run #2 [a]	O65034.D	1	09/07/21 22:50	CG	n/a	n/a	VO2550

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	3.6	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	127% [c]	140% [b]	74-125%
2037-26-5	Toluene-D8	91%	91%	88-111%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits.
(c) Outside control limits. Confirmed by reanalysis.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135YOU2039F		
Lab Sample ID:	FA88610-17	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64983.D	1	09/04/21 17:29	CG	n/a	n/a	VO2547
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.2	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	125% [a]		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Outside DOD QSM control limits.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Y0BW044F		
Lab Sample ID:	FA88610-18	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O64984.D	1	09/04/21 17:53	CG	n/a	n/a	VO2547
Run #2 [a]	O65035.D	1	09/07/21 23:13	CG	n/a	n/a	VO2550

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.14	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	10.0	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	128% [c]	140% [b]	74-125%
2037-26-5	Toluene-D8	94%	93%	88-111%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits.
(c) Outside control limits. Confirmed by reanalysis.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CADS2352
Ahtna

CHAIN OF CUSTODY

FA88610
WATER / SOIL

1 of 3

Chain of Custody #: 0304

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / L. Henderson
Project Name: Ft. Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Lab Sample Receipt:
Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C): 2.8 IR #1

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	Analysis Requested: VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135W0BW220F	8-31-2021	0854	X			3	3								X			
	~~2135W0BW221F~~		~~0950~~	X			3	3								X	(FD)		
2	2135W0BW223F		1020	X			3	3								X			
3	2135W0BW224F		1030	X			3	3								X			
4	2135W0BW225F		1040	X			3	3								X			
5	2135W0BW226F		1050	X			3	3								X			
6	2135W0BW227A		0700	X			2	2								X			
	~~2135W0BW228F~~		1145	X			3	3								X	(FD)		
7	2135W0BW230F		1205	X			3	3								X			
8	2135W0BW232F		1420	X			3	3								X			
9	2135W0BW233F		1430	X			3	3								X			
10	2135W0BW234F		1600	X			3	3								X			
11	2135W0BW235F		1615	X			3	3								X			
12	2135W0BW236D		1625	X			3	3								X			
13	2135W0BW237B		1630	X			3	3								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: INITIAL ASSESSMENT

Comments:

OUCTP - Lower

LABEL VERIFICATION BG 2.8

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom M	8-31-2021 1705	Steve Kerley	8-31-21 / 1710
Relinquished By: Steve Kerley	Date/Time: 9-1-21 / 1030	Received By: Lee Baker	Date/Time: 9/1/21 1030
Relinquished By: Lee Baker	Date/Time: 9/1/21 1700	Received By/Laboratory: FEDEX	Date/Time: 9/1/20 1700
		Carlos M Delgado	9/2/21 0945

5.1 5

CADS 2352
Ahtna

CHAIN OF CUSTODY

FA 88610
WATER / SOIL

2 OF 3

Chain of Custody #: 0170

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / L. Henderson
Project Name: Ft ORD Basewide Gwm
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Preserved: HCl	Preserved: HNO_3	Preserved: H_2SO_4	Preserved: NaOH	Preserved: MeOH	Preserved: $NaHSO^4$	Preserved: None	Preserved: Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
14	2135W0U2221F	8-31-21	0950	x			3	3								X			
15	2135W0U2228F	"	1145	x			3	3								X			

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ✓: Standard ___: 3-5 Day Rush ___: 48 Hour Rush ___: 24 Hour Rush
Shipment: Method: Tracking ID:

Comments:

OU CTP - Lower

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tony M	8-31-21 1705	Steve Kalay	8-31-21 / 1710
Relinquished By: Steve Kalay	Date/Time: 9-1-21 / 1030	Received By: La Bate	Date/Time: 9/1/21 1032
Relinquished By: La Bate	Date/Time: 9/1/21 1700	Received By: FEDEX	Date/Time: 9/1/21 1700
		Carlos M Delgado	9/2/21 0945

CADS2352
Ahtna

FA88610

3 of 3

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0324

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: C. Kaplan, S. Morgan
Project Name: Former Fort Ord Basewide GW
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q 2021
Laboratory: SGS

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Date	Time	Water	Soil	Other	Total # of Bottles	HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
16	2135YUU2038F	08-31-21	1315	X			3	X								X								
17	2135YUU2039F	08-31-21	1325	X			3	X								X								
18	2135YOBW044F	08-31-21	1450	X			3	3								X								

Turnaround Time: ✓ : Standard ___: 3-5 Day Rush ___: 48 Hour Rush ___: 24 Hour Rush

Shipment: Method: ______ Tracking ID: ______

Comments:

OUCTP Lower
2135YOBW044F >10

Chain of Custody Tracking:

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By Sampler: [signature]	08-31-21 / 1600	Received By: Steve Korday	8-31-21 / 1605
Relinquished By: Steve Korday	9-1-21 / 1030	Received By: Lee Baxter	9/1/21 1030
Relinquished By: Lee Baxter	9/1/21 1700	Received By Laboratory: FEDEX	9/1/21 1700
		Carlos [signature]	9/2/21 0945

FA88610: Chain of Custody
Page 3 of 4

5.1
5

SGS Sample Receipt Summary

Job Number: FA88610 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Lower

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774705260702

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

FA88610: Chain of Custody
Page 4 of 4

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88610
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2547	SW846 8260B BY SIM						
VO2547-BS	56-23-5	Carbon Tetrachloride	BSP	REC	106	%	72-136
VO2547-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VO2547-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VO2547-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	93	%	81-118
VO2547-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
FA88610-1MS	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FA88610-1MS	107-06-2	1,2-Dichloroethane	MS	REC	98	%	73-128
FA88610-1MS	79-01-6	Trichloroethylene	MS	REC	102	%	79-123
FA88610-1MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88610-1MS	2037-26-5	Toluene-D8	MS	SURR	89	%	89-112
FA88610-1MSD	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA88610-1MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA88610-1MSD	107-06-2	1,2-Dichloroethane	MSD	REC	103	%	73-128
FA88610-1MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	4	%	20
FA88610-1MSD	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
FA88610-1MSD	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FA88610-1MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	101	%	81-118
FA88610-1MSD	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VO2547-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VO2547-MB	2037-26-5	Toluene-D8	MB	SURR	103	%	89-112
FA88610-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA88610-1	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA88610-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA88610-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA88610-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FA88610-3	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FA88610-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	119 [a]	%	81-118
FA88610-4	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	120 [a]	%	81-118
FA88610-5	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	120 [a]	%	81-118
FA88610-7	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	118	%	81-118
FA88610-8	2037-26-5	Toluene-D8	SAMP	SURR	100	%	89-112
FA88610-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	118	%	81-118
FA88610-9	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	122 [a]	%	81-118
FA88610-10	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	122 [a]	%	81-118
FA88610-11	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88610-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	121 [b]	%	81-118
FA88610-12	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112

* Sample used for QC is not from job FA88610

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88610
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88610-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	124 [b]	%	81-118
FA88610-13	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FA88610-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	124 [a]	%	81-118
FA88610-14	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88610-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	126 [c]	%	81-118
FA88610-15	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88610-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	127 [c]	%	81-118
FA88610-16	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88610-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	125 [a]	%	81-118
FA88610-17	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88610-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	128 [c]	%	81-118
FA88610-18	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
VZ2585	SW846 8260B BY SIM						
VZ2585-BS	56-23-5	Carbon Tetrachloride	BSP	REC	110	%	72-136
VZ2585-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	73-128
VZ2585-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VZ2585-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VZ2585-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FA88607-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	143	%	72-136
FA88607-3MS*	107-06-2	1,2-Dichloroethane	MS	REC	128	%	73-128
FA88607-3MS*	79-01-6	Trichloroethylene	MS	REC	132	%	79-123
FA88607-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	111	%	81-118
FA88607-3MS*	2037-26-5	Toluene-D8	MS	SURR	85	%	89-112
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	134	%	72-136
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA88607-3MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	118	%	73-128
FA88607-3MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	8	%	20
FA88607-3MSD*	79-01-6	Trichloroethylene	MSD	REC	123	%	79-123
FA88607-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA88607-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	107	%	81-118
FA88607-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VZ2585-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VZ2585-MB	2037-26-5	Toluene-D8	MB	SURR	109	%	89-112
FA88610-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA88610-6	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112

(a) Outside DOD QSM control limits.
(b) Outside DOD QSM control limits; however, sample is ND.
(c) Outside control limits. Confirmed by reanalysis.

* Sample used for QC is not from job FA88610

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-MB	Z65718.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-6

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

Method Blank Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2547-MB	O64964.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-1, FA88610-2, FA88610-3, FA88610-4, FA88610-5, FA88610-7, FA88610-8, FA88610-9, FA88610-10, FA88610-11, FA88610-12, FA88610-13, FA88610-14, FA88610-15, FA88610-16, FA88610-17, FA88610-18

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	103%	88-111%

Blank Spike Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-BS	Z65717.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.5	110	76-136
107-06-2	1,2-Dichloroethane	5	4.8	96	75-125
79-01-6	Trichloroethylene	5	5.3	106	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	94%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2547-BS	O64963.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-1, FA88610-2, FA88610-3, FA88610-4, FA88610-5, FA88610-7, FA88610-8, FA88610-9, FA88610-10, FA88610-11, FA88610-12, FA88610-13, FA88610-14, FA88610-15, FA88610-16, FA88610-17, FA88610-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.3	106	76-136
107-06-2	1,2-Dichloroethane	5	4.8	96	75-125
79-01-6	Trichloroethylene	5	5.3	106	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	93%	74-125%
2037-26-5	Toluene-D8	101%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88607-3MS	Z65733.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3MSD	Z65734.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3	Z65723.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-6

CAS No.	Compound	FA88607-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	35.8	143*	25	33.4	134	7	76-136/23
107-06-2	1,2-Dichloroethane	0.50	U	25	31.9	128*	25	29.4	118	8	75-125/14
79-01-6	Trichloroethylene	0.50	U	25	33.0	132*	25	30.8	123	7	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA88607-3	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	107%	117%	74-125%
2037-26-5	Toluene-D8	85%*	90%	102%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88610-1MS	O64986.D	5	09/04/21	CG	n/a	n/a	VO2547
FA88610-1MSD	O64987.D	5	09/04/21	CG	n/a	n/a	VO2547
FA88610-1	O64966.D	1	09/04/21	CG	n/a	n/a	VO2547

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88610-1, FA88610-2, FA88610-3, FA88610-4, FA88610-5, FA88610-7, FA88610-8, FA88610-9, FA88610-10, FA88610-11, FA88610-12, FA88610-13, FA88610-14, FA88610-15, FA88610-16, FA88610-17, FA88610-18

CAS No.	Compound	FA88610-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.16	J	25	24.2	96	25	25.7	102	6	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U		25	24.6	98	25	25.7	103	4	75-125/14
79-01-6	Trichloroethylene	1.5		25	26.9	102	25	28.4	108	5	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA88610-1	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	101%	110%	74-125%
2037-26-5	Toluene-D8	89%	90%	102%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2546-BFB
Lab File ID: O64950.D
Instrument ID: GCMSO
Injection Date: 09/03/21
Injection Time: 16:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	91965	19.1		Pass
75	30.0 - 60.0% of mass 95	227925	47.4		Pass
95	Base peak, 100% relative abundance	480384	100.0		Pass
96	5.0 - 9.0% of mass 95	32669	6.80		Pass
173	Less than 2.0% of mass 174	1868	0.39	(0.55) [a]	Pass
174	50.0 - 100.0% of mass 95	339733	70.7		Pass
175	5.0 - 9.0% of mass 174	24797	5.16	(7.30) [a]	Pass
176	95.0 - 101.0% of mass 174	324608	67.6	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	21893	4.56	(6.74) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2546-IC2546	O64951.D	09/03/21	17:04	00:22	Initial cal 1
VO2546-IC2546	O64952.D	09/03/21	17:28	00:46	Initial cal 2
VO2546-IC2546	O64953.D	09/03/21	17:50	01:08	Initial cal 3
VO2546-IC2546	O64954.D	09/03/21	18:13	01:31	Initial cal 4
VO2546-ICC2546	O64955.D	09/03/21	18:36	01:54	Initial cal 5
VO2546-IC2546	O64956.D	09/03/21	18:59	02:17	Initial cal 6
VO2546-IC2546	O64957.D	09/03/21	19:23	02:41	Initial cal 7
VO2546-ICV2546	O64959.D	09/03/21	20:09	03:27	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-BFB
Lab File ID: O64961.D
Instrument ID: GCMSO
Injection Date: 09/04/21
Injection Time: 09:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	99328	19.7		Pass
75	30.0 - 60.0% of mass 95	242560	48.2		Pass
95	Base peak, 100% relative abundance	503701	100.0		Pass
96	5.0 - 9.0% of mass 95	33600	6.67		Pass
173	Less than 2.0% of mass 174	3186	0.63	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	363755	72.2		Pass
175	5.0 - 9.0% of mass 174	26192	5.20	(7.20) [a]	Pass
176	95.0 - 101.0% of mass 174	347008	68.9	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	21995	4.37	(6.34) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2547-CC2546	O64962.D	09/04/21	09:23	00:23	Continuing cal 5
VO2547-BS	O64963.D	09/04/21	09:46	00:46	Blank Spike
VO2547-MB	O64964.D	09/04/21	10:09	01:09	Method Blank
FA88610-1	O64966.D	09/04/21	10:55	01:55	2135W0BW220F
FA88610-2	O64967.D	09/04/21	11:18	02:18	2135W0BW223F
FA88610-3	O64968.D	09/04/21	11:41	02:41	2135W0BW224F
FA88610-4	O64969.D	09/04/21	12:04	03:04	2135W0BW225F
FA88610-5	O64970.D	09/04/21	12:27	03:27	2135W0BW226F
FA88610-7	O64971.D	09/04/21	12:51	03:51	2135W0BW230F
FA88610-8	O64972.D	09/04/21	13:14	04:14	2135W0BW232F
FA88610-9	O64973.D	09/04/21	13:37	04:37	2135W0BW233F
FA88610-10	O64974.D	09/04/21	14:00	05:00	2135W0BW234F
FA88610-11	O64975.D	09/04/21	14:23	05:23	2135W0BW235F
FA88610-12	O64978.D	09/04/21	15:33	06:33	2135W0BW236C
FA88610-13	O64979.D	09/04/21	15:57	06:57	2135W0BW237B
FA88610-14	O64980.D	09/04/21	16:20	07:20	2135WOU2221F
FA88610-15	O64981.D	09/04/21	16:43	07:43	2135WOU2228F
FA88610-16	O64982.D	09/04/21	17:06	08:06	2135YOU2038F
FA88610-17	O64983.D	09/04/21	17:29	08:29	2135YOU2039F
FA88610-18	O64984.D	09/04/21	17:53	08:53	2135Y0BW044F
ZZZZZZ	O64985.D	09/04/21	18:16	09:16	(unrelated sample)
FA88610-1MS	O64986.D	09/04/21	18:39	09:39	Matrix Spike
FA88610-1MSD	O64987.D	09/04/21	19:03	10:03	Matrix Spike Duplicate
VO2547-ECC2546	O64988.D	09/04/21	19:26	10:26	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2549-BFB
Lab File ID: O65000.D
Instrument ID: GCMSO
Injection Date: 09/07/21
Injection Time: 08:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	198461	18.2		Pass
75	30.0 - 60.0% of mass 95	512533	47.1		Pass
95	Base peak, 100% relative abundance	1089067	100.0		Pass
96	5.0 - 9.0% of mass 95	73045	6.71		Pass
173	Less than 2.0% of mass 174	6817	0.63	(0.84) [a]	Pass
174	50.0 - 100.0% of mass 95	809365	74.3		Pass
175	5.0 - 9.0% of mass 174	58880	5.41	(7.27) [a]	Pass
176	95.0 - 101.0% of mass 174	783637	72.0	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	50971	4.68	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2549-IC2549	O65004.D	09/07/21	11:17	02:44	Initial cal 1
VO2549-IC2549	O65005.D	09/07/21	11:41	03:08	Initial cal 2
VO2549-IC2549	O65006.D	09/07/21	12:04	03:31	Initial cal 3
VO2549-IC2549	O65007.D	09/07/21	12:27	03:54	Initial cal 4
VO2549-ICC2549	O65008.D	09/07/21	12:49	04:16	Initial cal 5
VO2549-IC2549	O65009.D	09/07/21	13:12	04:39	Initial cal 6
VO2549-IC2549	O65010.D	09/07/21	13:35	05:02	Initial cal 7
VO2549-ICV2549	O65012.D	09/07/21	14:23	05:50	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2550-BFB
Lab File ID: O65014.D
Instrument ID: GCMSO
Injection Date: 09/07/21
Injection Time: 15:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	94475	19.1		Pass
75	30.0 - 60.0% of mass 95	237035	48.0		Pass
95	Base peak, 100% relative abundance	494037	100.0		Pass
96	5.0 - 9.0% of mass 95	31720	6.42		Pass
173	Less than 2.0% of mass 174	3035	0.61	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	346027	70.0		Pass
175	5.0 - 9.0% of mass 174	24973	5.05	(7.22) [a]	Pass
176	95.0 - 101.0% of mass 174	338325	68.5	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	22379	4.53	(6.61) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2550-CC2549	O65015.D	09/07/21	15:32	00:24	Continuing cal 5
VO2550-BS	O65016.D	09/07/21	15:55	00:47	Blank Spike
VO2550-MB	O65018.D	09/07/21	16:41	01:33	Method Blank
ZZZZZZ	O65019.D	09/07/21	17:04	01:56	(unrelated sample)
ZZZZZZ	O65020.D	09/07/21	17:27	02:19	(unrelated sample)
ZZZZZZ	O65021.D	09/07/21	17:50	02:42	(unrelated sample)
ZZZZZZ	O65022.D	09/07/21	18:13	03:05	(unrelated sample)
ZZZZZZ	O65023.D	09/07/21	18:36	03:28	(unrelated sample)
ZZZZZZ	O65024.D	09/07/21	19:00	03:52	(unrelated sample)
ZZZZZZ	O65025.D	09/07/21	19:22	04:14	(unrelated sample)
ZZZZZZ	O65026.D	09/07/21	19:45	04:37	(unrelated sample)
ZZZZZZ	O65027.D	09/07/21	20:08	05:00	(unrelated sample)
ZZZZZZ	O65028.D	09/07/21	20:31	05:23	(unrelated sample)
ZZZZZZ	O65029.D	09/07/21	20:54	05:46	(unrelated sample)
ZZZZZZ	O65030.D	09/07/21	21:17	06:09	(unrelated sample)
ZZZZZZ	O65031.D	09/07/21	21:40	06:32	(unrelated sample)
ZZZZZZ	O65032.D	09/07/21	22:02	06:54	(unrelated sample)
FA88610-15	O65033.D	09/07/21	22:26	07:18	2135WOU2228F
FA88610-16	O65034.D	09/07/21	22:50	07:42	2135YOU2038F
FA88610-18	O65035.D	09/07/21	23:13	08:05	2135Y0BW044F
FA88610-15MS	O65039.D	09/08/21	00:44	09:36	Matrix Spike
FA88610-15MSD	O65040.D	09/08/21	01:06	09:58	Matrix Spike Duplicate
VO2550-ECC2549	O65041.D	09/08/21	01:29	10:21	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-BFB
Lab File ID: Z65701.D
Instrument ID: GCMSZ
Injection Date: 09/02/21
Injection Time: 12:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32941	20.2		Pass
75	30.0 - 60.0% of mass 95	91400	56.1		Pass
95	Base peak, 100% relative abundance	162995	100.0		Pass
96	5.0 - 9.0% of mass 95	11206	6.88		Pass
173	Less than 2.0% of mass 174	1242	0.76	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	140947	86.5		Pass
175	5.0 - 9.0% of mass 174	10204	6.26	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	140437	86.2	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9114	5.59	(6.49) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2584-IC2584	Z65705.D	09/02/21	14:48	02:13	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21	15:08	02:33	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21	15:29	02:54	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21	15:49	03:14	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21	16:10	03:35	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21	16:30	03:55	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21	16:51	04:16	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21	17:32	04:57	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-BFB
Lab File ID: Z65715.D
Instrument ID: GCMSZ
Injection Date: 09/03/21
Injection Time: 09:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38475	21.1		Pass
75	30.0 - 60.0% of mass 95	105853	58.0		Pass
95	Base peak, 100% relative abundance	182464	100.0		Pass
96	5.0 - 9.0% of mass 95	12727	6.98		Pass
173	Less than 2.0% of mass 174	1494	0.82	(1.05) [a]	Pass
174	50.0 - 100.0% of mass 95	142331	78.0		Pass
175	5.0 - 9.0% of mass 174	10776	5.91	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	139501	76.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	9064	4.97	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2585-CC2584	Z65716.D	09/03/21	10:03	00:20	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21	10:23	00:40	Blank Spike
VZ2585-MB	Z65718.D	09/03/21	10:44	01:01	Method Blank
FA88610-6	Z65720.D	09/03/21	11:27	01:44	2135W0BW227A
ZZZZZZ	Z65721.D	09/03/21	11:48	02:05	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21	12:08	02:25	(unrelated sample)
FA88607-3	Z65723.D	09/03/21	12:28	02:45	(used for QC only; not part of job FA88610)
ZZZZZZ	Z65724.D	09/03/21	12:49	03:06	(unrelated sample)
ZZZZZZ	Z65725.D	09/03/21	13:09	03:26	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21	13:30	03:47	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21	13:50	04:07	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21	14:52	05:09	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21	15:12	05:29	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21	16:34	06:51	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21	16:54	07:11	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21	17:15	07:32	Ending cal 5

Internal Standard Area Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2547-CC2546	**Injection Date:**	09/04/21
Lab File ID:	O64962.D	**Injection Time:**	09:23
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	76079	10.78	52353	13.65
Check Std [b]	73944	10.78	50531	13.65
Upper Limit [c]	147888	10.95	101062	13.82
Lower Limit [d]	36972	10.61	25266	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2547-BS	74713	10.78	50924	13.65
VO2547-MB	65441	10.78	44186	13.65
FA88610-1	61411	10.78	41796	13.65
FA88610-2	62049	10.78	42374	13.65
FA88610-3	55647	10.78	38427	13.65
FA88610-4	55117	10.78	37652	13.65
FA88610-5	55831	10.78	38116	13.65
FA88610-7	53650	10.78	36784	13.65
FA88610-8	53553	10.78	38094	13.65
FA88610-9	55975	10.78	39804	13.65
FA88610-10	54478	10.78	38933	13.65
FA88610-11	54000	10.78	38538	13.65
FA88610-12	52572	10.78	39446	13.65
FA88610-13	51917	10.78	37243	13.65
FA88610-14	51265	10.78	37857	13.65
FA88610-15	49948	10.78	36767	13.65
FA88610-16	48810	10.78	37467	13.65
FA88610-17	48309	10.78	36282	13.65
FA88610-18	47473	10.78	35718	13.65
ZZZZZZ	45106	10.78	32719	13.65
FA88610-1MS	58542	10.78	43028	13.65
FA88610-1MSD	61257	10.78	45267	13.65
VO2547-ECC254	66826	10.78	49620	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2546-ICC2546 O64955.D 09/03/21 18:36
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2550-CC2549	**Injection Date:**	09/07/21
Lab File ID:	O65015.D	**Injection Time:**	15:32
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	99894	10.78	71420	13.65
Check Std [b]	88575	10.78	62534	13.65
Upper Limit [c]	177150	10.95	125068	13.82
Lower Limit [d]	44288	10.61	31267	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2550-BS	85202	10.78	58551	13.65
VO2550-MB	71466	10.78	49523	13.65
ZZZZZZ	76934	10.78	56048	13.65
ZZZZZZ	75586	10.78	55199	13.65
ZZZZZZ	80151	10.78	59588	13.65
ZZZZZZ	77108	10.78	56388	13.65
ZZZZZZ	77803	10.78	56515	13.65
ZZZZZZ	72907	10.78	53898	13.65
ZZZZZZ	73939	10.78	51799	13.65
ZZZZZZ	68789	10.78	51980	13.65
ZZZZZZ	67808	10.78	51655	13.65
ZZZZZZ	67303	10.78	50635	13.65
ZZZZZZ	67697	10.78	51464	13.65
ZZZZZZ	66254	10.78	51051	13.65
ZZZZZZ	67966	10.78	50173	13.65
ZZZZZZ	69737	10.78	50980	13.65
FA88610-15 [e]	63906	10.78	48148	13.65
FA88610-16 [e]	66551	10.78	50822	13.65
FA88610-18 [e]	65061	10.78	49008	13.65
FA88610-15MS	85934	10.78	63155	13.65
FA88610-15MSD	89930	10.78	65557	13.65
VO2550-ECC2549	102191	10.78	76712	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2549-ICC2549 O65008.D 09/07/21 12:49
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Confirmation run for surrogate recoveries.

Internal Standard Area Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2585-CC2584	**Injection Date:**	09/03/21
Lab File ID:	Z65716.D	**Injection Time:**	10:03
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	55195	8.05	48252	11.13
Check Std [b]	60582	8.05	49907	11.12
Upper Limit [c]	121164	8.22	99814	11.29
Lower Limit [d]	30291	7.88	24954	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2585-BS	56138	8.05	44608	11.12
VZ2585-MB	49294	8.05	34756	11.13
FA88610-6	45027	8.05	32570	11.12
ZZZZZZ	42901	8.05	30724	11.13
ZZZZZZ	41586	8.05	30661	11.13
FA88607-3	40199	8.05	30097	11.13
ZZZZZZ	40382	8.05	29261	11.13
ZZZZZZ	38685	8.05	28279	11.13
ZZZZZZ	35025	8.05	27050	11.13
ZZZZZZ	34894	8.05	25283	11.13
ZZZZZZ	39670	8.05	29079	11.13
ZZZZZZ	35539	8.05	26188	11.13
FA88607-3MS	42576	8.05	37557	11.12
FA88607-3MSD	42339	8.05	34132	11.12
VZ2585-ECC2584	48867	8.05	41202	11.13

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2584-ICC2584 Z65709.D 09/02/21 16:10
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88610-1	O64966.D	110	102
FA88610-2	O64967.D	110	101
FA88610-3	O64968.D	112	102
FA88610-4	O64969.D	119 [a]	99
FA88610-5	O64970.D	120 [a]	99
FA88610-6	Z65720.D	110	107
FA88610-7	O64971.D	120 [a]	99
FA88610-8	O64972.D	118	100
FA88610-9	O64973.D	118	99
FA88610-10	O64974.D	122 [a]	99
FA88610-11	O64975.D	122 [a]	99
FA88610-12	O64978.D	121 [b]	94
FA88610-13	O64979.D	124 [b]	101
FA88610-14	O64980.D	124 [a]	95
FA88610-15	O65033.D	140* [c]	92
FA88610-15	O64981.D	126* [d]	95
FA88610-16	O65034.D	140* [c]	91
FA88610-16	O64982.D	127* [d]	91
FA88610-17	O64983.D	125 [a]	94
FA88610-18	O65035.D	140* [c]	93
FA88610-18	O64984.D	128* [d]	94
FA88607-3MS	Z65733.D	111	85*
FA88607-3MSD	Z65734.D	107	90
FA88610-1MS	O64986.D	103	89
FA88610-1MSD	O64987.D	101	90
VO2547-BS	O64963.D	93	101
VO2547-MB	O64964.D	104	103
VZ2585-BS	Z65717.D	94	97
VZ2585-MB	Z65718.D	105	109

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

(a) Outside DOD QSM control limits.
(b) Outside DOD QSM control limits; however, sample is ND.
(c) Outside control limits.
(d) Outside control limits. Confirmed by reanalysis.

Initial Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2546-ICC2546
Lab FileID: O64955.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

Calibration Files
1 =O64951.D 2 =O64952.D 3 =O64953.D 4 =O64954.D
5 =O64955.D 6 =O64956.D 7 =O64957.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	ISTD								
2)	Vinyl Chloride	0.645	0.637	0.591	0.622	0.581	0.605	0.599	0.612	3.91
3)	Chloromethane	2.260	1.058	0.793	0.766	0.682	0.695	0.684	0.991	57.99
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
	Response Ratio = 0.00000 + 0.73148 *A + -0.01236 *A^2									
4)	1,1-Dichloroethen	1.170	1.069	0.836	0.905	0.924	0.961	0.949	0.973	11.45
5)	Methylene Chlorid	3.679	0.771	0.255	0.150	0.116	0.107	0.103	0.740 E1	178.05
6)	trans-1,2-Dichlor	1.170	1.069	0.836	0.905	0.924	0.961	0.949	0.973	11.45
7)	1,1-Dichloroethan	1.407	1.285	1.048	1.066	1.064	1.089	1.067	1.146	12.32
8)	cis-1,2-Dichloroe	0.645	0.614	0.474	0.514	0.525	0.545	0.539	0.551	10.75
9)	Chloroform	1.662	1.526	1.175	1.157	1.134	1.149	1.117	1.274	17.47
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
	Response Ratio = 0.00000 + 1.17725 *A + -0.01401 *A^2									
10)	Carbon Tetrachlor	0.942	0.866	0.657	0.701	0.702	0.734	0.708	0.758	13.72
11)	1,1,1-Trichloroet	1.102	1.063	0.826	0.873	0.872	0.893	0.880	0.930	11.53
12)	Benzene	2.553	2.363	1.937	2.031	2.087	2.151	2.132	2.179	9.65
13)S	1,2-Dichloroethan	0.479	0.470	0.434	0.410	0.397	0.397	0.394	0.426	8.51
14)	1,2-Dichloroethan	1.228	1.132	0.976	0.937	0.928	0.940	0.921	1.009	12.04
15)	Trichloroethene	0.733	0.706	0.579	0.627	0.643	0.661	0.647	0.657	7.72
16)	1,2-Dichloropropa	0.673	0.682	0.571	0.570	0.578	0.600	0.598	0.610	7.81
17)	cis-1,3-Dichlorop	0.581	0.627	0.610	0.646	0.716	0.774	0.791	0.678	12.21
18) I	Chlorobenzene-d5	ISTD								
19)S	Toluene-d8	1.094	1.142	1.095	1.076	1.071	1.103	1.105	1.098	2.10
20)	trans-1,3-Dichlor	0.870	0.954	0.912	0.959	1.041	1.114	1.136	0.998	10.16
21)	Tetrachloroethene	0.903	0.875	0.683	0.724	0.733	0.748	0.741	0.772	10.70

(#) = Out of Range

SIMCL-09-03-2021.M Sat Sep 04 08:28:28 2021

Initial Calibration Verification

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2546-ICV2546
Lab FileID: O64959.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-03\O64959.D Vial: 11
Acq On : 3 Sep 2021 8:09 pm Operator: CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00	10.78
2		Vinyl Chloride	0.612	0.516	15.7	92	0.00	3.50
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	8.444	15.6	91	0.00	3.34
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	0.973	0.853	12.3	95	0.00	5.45
5		Methylene Chloride	7.402	1.071	85.5#	95	0.00	6.51
6		trans-1,2-Dichloroethene	0.973	0.853	12.3	95	0.00	5.45
7		1,1-Dichloroethane	1.146	1.031	10.0	100	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.484	12.2	95	0.00	5.46
		----------	Amount	Calc.	%Drift	----------		
9		Chloroform	10.000	9.156	8.4	96	0.00	9.45
		----------	AvgRF	CCRF	%Dev	----------		
10		Carbon Tetrachloride	0.758	0.658	13.2	97	0.00	9.66
11		1,1,1-Trichloroethane	0.930	0.806	13.3	95	0.00	9.76
12		Benzene	2.179	1.953	10.4	96	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.426	0.394	7.5	102	0.00	10.44
14		1,2-Dichloroethane	1.009	0.864	14.4	96	0.00	10.52
15		Trichloroethene	0.657	0.605	7.9	97	0.00	10.97
16		1,2-Dichloropropane	0.610	0.547	10.3	98	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.690	-1.8	99	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.65
19	S	Toluene-d8	1.098	1.074	2.2	105	0.00	12.37
20		trans-1,3-Dichloropropene	0.998	0.990	0.8	99	0.00	12.77
21		Tetrachloroethene	0.772	0.687	11.0	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Sat Sep 04 08:28:19 2021

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-CC2546
Lab FileID: O64962.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-04\O64962.D Vial: 3
Acq On : 4 Sep 2021 9:23 am Operator: CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00	10.78
2		Vinyl Chloride	0.612	0.628	-2.6	105	0.00	3.50
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.412	-4.1	105	0.00	3.34
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.973	0.946	2.8	100	0.00	5.45
5		Methylene Chloride	7.402	1.218	83.5#	102	0.00	6.50
6		trans-1,2-Dichloroethene	0.973	0.946	2.8	100	0.00	5.45
7		1,1-Dichloroethane	1.146	1.101	3.9	101	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.540	2.0	100	0.00	5.45
			Amount	Calc.	%Drift			
9		Chloroform	10.000	10.270	-2.7	101	0.00	9.45
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.758	0.742	2.1	103	0.00	9.65
11		1,1,1-Trichloroethane	0.930	0.911	2.0	102	0.00	9.75
12		Benzene	2.179	2.181	-0.1	102	0.00	10.26
13	S	1,2-Dichloroethane-d4	0.426	0.387	9.2	95	0.00	10.44
14		1,2-Dichloroethane	1.009	0.962	4.7	101	0.00	10.52
15		Trichloroethene	0.657	0.663	-0.9	100	0.00	10.97
16		1,2-Dichloropropane	0.610	0.606	0.7	102	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.782	-15.3	106	0.00	12.76
18	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	13.65
19	S	Toluene-d8	1.098	1.105	-0.6	100	0.00	12.36
20		trans-1,3-Dichloropropene	0.998	1.144	-14.6	106	0.00	12.76
21		Tetrachloroethene	0.772	0.770	0.3	101	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Sat Sep 04 10:13:17 2021

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2547-ECC2546
Lab FileID: O64988.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-04\O64988.D Vial: 29
Acq On : 4 Sep 2021 7:26 pm Operator: CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Sat Sep 04 08:12:11 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	10.78
2		Vinyl Chloride	0.612	0.672	-9.8	102	0.00	3.50
		---------- Amount	Calc.	%Drift	----------			
3		Chloromethane	10.000	11.513	-15.1	104	0.00	3.33
		---------- AvgRF	CCRF	%Dev	----------			
4		1,1-Dichloroethene	0.973	0.357	63.3#	34#	0.00	5.45
5		Methylene Chloride	7.402	0.644	91.3#	49#	0.00	6.51
6		trans-1,2-Dichloroethene	0.973	0.372	61.8#	35#	0.00	5.45
7		1,1-Dichloroethane	1.146	1.139	0.6	94	0.00	7.95
8		cis-1,2-Dichloroethene	0.551	0.200	63.7#	33#	0.00	5.45
		---------- Amount	Calc.	%Drift	----------			
9		Chloroform	10.000	10.737	-7.4	95	0.00	9.45
		---------- AvgRF	CCRF	%Dev	----------			
10		Carbon Tetrachloride	0.758	0.686	9.5	86	0.00	9.66
11		1,1,1-Trichloroethane	0.930	0.890	4.3	90	0.00	9.76
12		Benzene	2.179	2.252	-3.4	95	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.426	0.404	5.2	89	0.00	10.44
14		1,2-Dichloroethane	1.009	1.006	0.3	95	0.00	10.52
15		Trichloroethene	0.657	0.710	-8.1	97	0.00	10.97
16		1,2-Dichloropropane	0.610	0.644	-5.6	98	0.00	11.53
17		cis-1,3-Dichloropropene	0.678	0.781	-15.2	96	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	13.65
19	S	Toluene-d8	1.098	0.987	10.1	87	0.00	12.37
20		trans-1,3-Dichloropropene	0.998	1.051	-5.3	96	0.00	12.77
21		Tetrachloroethene	0.772	0.769	0.4	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O64955.D SIMCL-09-03-2021.M Tue Sep 07 08:45:50 2021

Initial Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2549-ICC2549
Lab FileID: O65008.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

Calibration Files
1 =O65004.D 2 =O65005.D 3 =O65006.D 4 =O65007.D
5 =O65008.D 6 =O65009.D 7 =O65010.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	ISTD								
2)	Vinyl Chloride	0.721	0.548	0.553	0.563	0.547	0.544	0.554	0.576	11.15
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
	Response Ratio = 0.00000 + 0.54267 *A + 0.00237 *A^2									
3)	Chloromethane	2.442	1.020	0.815	0.722	0.676	0.673	0.669	1.003	64.56
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
	Response Ratio = 0.00000 + 0.71141 *A + -0.01133 *A^2									
4)	1,1-Dichloroethen	0.721	0.972	0.710	0.737	0.756	0.739	0.756	0.770	11.75
5)	Methylene Chlorid	1.701	1.045	0.869	0.813	0.773	1.040			36.90
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9997									
	Response Ratio = 0.00000 + 0.81147 *A									
6)	trans-1,2-Dichlor	0.721	0.972	0.710	0.737	0.756	0.739	0.756	0.770	11.75
7)	1,1-Dichloroethan	0.735	1.016	0.831	0.811	0.820	0.815	0.818	0.835	10.27
8)	cis-1,2-Dichloroe	0.426	0.557	0.406	0.420	0.430	0.420	0.430	0.441	11.75
9)	Chloroform	0.910	1.193	0.930	0.892	0.897	0.866	0.859	0.935	12.43
10)	Carbon Tetrachlor	0.204	0.296	0.412	0.349	0.372	0.450	0.444	0.361	24.36
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9965									
	Response Ratio = 0.00000 + 0.34229 *A + 0.02734 *A^2									
11)	1,1,1-Trichloroet	0.547	0.728	0.618	0.648	0.664	0.650	0.654	0.644	8.43
12)	Benzene	1.508	1.853	1.517	1.556	1.613	1.580	1.628	1.608	7.29
13)S	1,2-Dichloroethan	0.457	0.453	0.400	0.389	0.381	0.370	0.378	0.404	8.98
14)	1,2-Dichloroethan	0.655	0.867	0.695	0.696	0.704	0.689	0.695	0.715	9.67
15)	Trichloroethene	0.419	0.544	0.488	0.481	0.495	0.506	0.509	0.492	7.71
16)	1,2-Dichloropropa	0.390	0.537	0.431	0.440	0.453	0.462	0.461	0.453	9.78
17)	cis-1,3-Dichlorop	0.360	0.471	0.524	0.530	0.564	0.641	0.648	0.534	18.67
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.51105 *A + 0.03591 *A^2									
18) I	Chlorobenzene-d5	ISTD								
19)S	Toluene-d8	1.095	1.117	1.086	1.066	1.068	1.081	1.095	1.087	1.61
20)	trans-1,3-Dichlor	0.507	0.688	0.747	0.752	0.789	0.888	0.900	0.753	17.61
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991									
	Response Ratio = 0.00000 + 0.72002 *A + 0.04691 *A^2									
21)	Tetrachloroethene	0.491	0.683	0.572	0.568	0.569	0.563	0.563	0.573	9.81

(#) = Out of Range

SIMCL-09-07-2021.M Tue Sep 07 16:23:43 2021

Initial Calibration Verification

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2549-ICV2549
Lab FileID: O65012.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-07\O65012.D Vial: 13
Acq On : 7 Sep 2021 2:23 pm Operator: CHARLENG
Sample : ICV2549-5 Inst : MSVOA12
Misc : MS49714,VO2549,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 16:22:48 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	8.433	15.7	81	0.00	3.50
3		Chloromethane	10.000	8.357	16.4	82	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.770	0.724	6.0	92	0.00	5.46
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.688	-6.9	96	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.770	0.724	6.0	92	0.00	5.46
7		1,1-Dichloroethane	0.835	0.848	-1.6	100	0.00	7.96
8		cis-1,2-Dichloroethene	0.441	0.411	6.8	92	0.00	5.46
9		Chloroform	0.935	0.863	7.7	93	0.00	9.46
			Amount	Calc.	%Drift			
10		Carbon Tetrachloride	10.000	11.632	-16.3	122	0.00	9.66
			AvgRF	CCRF	%Dev			
11		1,1,1-Trichloroethane	0.644	0.644	0.0	93	0.00	9.76
12		Benzene	1.608	1.560	3.0	93	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.404	0.375	7.2	95	0.00	10.44
14		1,2-Dichloroethane	0.715	0.678	5.2	93	0.00	10.53
15		Trichloroethene	0.492	0.488	0.8	95	0.00	10.97
16		1,2-Dichloropropane	0.453	0.443	2.2	94	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	10.734	-7.3	108	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	13.65
19	S	Toluene-d8	1.087	1.075	1.1	97	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.722	-7.2	108	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.573	0.554	3.3	94	0.00	12.75

Initial Calibration Verification

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2549-ICV2549
Lab FileID: O65012.D

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------------------------------------------------------------------------------
------------------------------------------------------------------------------

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    O65008.D   SIMCL-09-07-2021.M       Tue Sep 07 16:23:33 2021
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Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2550-CC2549
Lab FileID: O65015.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-07\O65015.D Vial: 16
Acq On : 7 Sep 2021 3:32 pm Operator: CHARLENG
Sample : CC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 16:22:48 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	11.128	-11.3	99	0.00	3.49
3		Chloromethane	10.000	11.100	-11.0	100	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.770	0.857	-11.3	101	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.457	-4.6	87	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.770	0.857	-11.3	101	0.00	5.45
7		1,1-Dichloroethane	0.835	0.939	-12.5	102	0.00	7.95
8		cis-1,2-Dichloroethene	0.441	0.487	-10.4	101	0.00	5.45
9		Chloroform	0.935	1.002	-7.2	99	0.00	9.45
			Amount	Calc.	%Drift			
10		Carbon Tetrachloride	10.000	12.789	-27.9#	126	0.00	9.66
			AvgRF	CCRF	%Dev			
11		1,1,1-Trichloroethane	0.644	0.765	-18.8	102	0.00	9.76
12		Benzene	1.608	1.844	-14.7	101	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.404	0.384	5.0	90	0.00	10.44
14		1,2-Dichloroethane	0.715	0.797	-11.5	100	0.00	10.52
15		Trichloroethene	0.492	0.571	-16.1	102	0.00	10.97
16		1,2-Dichloropropane	0.453	0.514	-13.5	101	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	11.402	-14.0	106	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	13.65
19	S	Toluene-d8	1.087	1.074	1.2	88	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	11.558	-15.6	106	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.573	0.649	-13.3	100	0.00	12.75

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2550-CC2549
Lab FileID: O65015.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65008.D SIMCL-09-07-2021.M Tue Sep 07 16:25:38 2021

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2550-ECC2549
Lab FileID: O65041.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-07\O65041.D Vial: 42
Acq On : 8 Sep 2021 1:29 am Operator: CHARLENG
Sample : ECC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 16:22:48 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	9.244	7.6	95	0.00	3.49
3		Chloromethane	10.000	8.950	10.5	94	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.770	0.699	9.2	95	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	8.890	11.1	85	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.770	0.699	9.2	95	0.00	5.45
7		1,1-Dichloroethane	0.835	0.781	6.5	97	0.00	7.95
8		cis-1,2-Dichloroethene	0.441	0.405	8.2	96	0.00	5.45
9		Chloroform	0.935	0.860	8.0	98	0.00	9.45
			Amount	Calc.	%Drift			
10		Carbon Tetrachloride	10.000	9.283	7.2	100	0.00	9.65
			AvgRF	CCRF	%Dev			
11		1,1,1-Trichloroethane	0.644	0.633	1.7	98	0.00	9.76
12		Benzene	1.608	1.472	8.5	93	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.404	0.408	-1.0	110	0.00	10.44
14		1,2-Dichloroethane	0.715	0.659	7.8	96	0.00	10.52
15		Trichloroethene	0.492	0.483	1.8	100	0.00	10.97
16		1,2-Dichloropropane	0.453	0.410	9.5	93	0.00	11.52
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.023	19.8	83	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	13.65
19	S	Toluene-d8	1.087	0.953	12.3	96	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	7.674	23.3	83	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.573	0.497	13.3	94	0.00	12.75

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2550-ECC2549
Lab FileID: O65041.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65008.D SIMCL-09-07-2021.M Wed Sep 08 07:44:04 2021

Initial Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICC2584
Lab FileID: Z65709.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Calibration Files
1 =Z65705.D 2 =Z65706.D 3 =Z65707.D 4 =Z65708.D
5 =Z65709.D 6 =Z65710.D 7 =Z65711.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.886	0.901	0.851	0.805	0.789	0.778	0.748	0.823	7.02
3)	Chloromethane	1.798	1.025	0.837	0.771	0.742	0.738	0.691	0.943	41.59
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995									
	Response Ratio = 0.00000 + 0.81552 *A + -0.03012 *A^2									
4)	1,1-Dichloroethen	0.701	0.803	0.841	0.847	0.838	0.874	0.860	0.823	7.08
5)	Methylene Chlorid	2.184	0.994	0.855	0.815	0.758	0.763	0.729	1.014	51.61
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
	Response Ratio = 0.00000 + 0.82437 *A + -0.02332 *A^2									
6)	trans-1,2-Dichlor	0.680	0.709	0.766	0.782	0.775	0.832	0.796	0.763	6.78
7)	1,1-Dichloroethan	0.940	0.952	1.030	1.022	0.976	1.024	1.000	0.992	3.68
8)	cis-1,2-Dichloroe	0.508	0.496	0.540	0.556	0.546	0.603	0.603	0.550	7.59
9)	Chloroform	2.573	1.409	1.310	1.268	1.192	1.260	1.229	1.463	33.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
	Response Ratio = 0.00000 + 1.23929 *A + -0.00134 *A^2									
10)	Carbon Tetrachlor	0.682	0.675	0.822	0.789	0.777	0.817	0.804	0.766	8.13
11)	1,1,1-Trichloroet	0.792	0.923	0.987	0.977	0.939	1.004	0.990	0.945	7.73
12)	Benzene	1.775	1.780	1.973	2.065	2.035	2.200	2.185	2.002	8.64
13)S	1,2-Dichloroethan	0.475	0.480	0.443	0.422	0.409	0.395	0.384	0.430	8.78
14)	1,2-Dichloroethan	0.734	0.740	0.810	0.803	0.759	0.791	0.774	0.773	3.87
15)	Trichloroethene	0.467	0.512	0.570	0.589	0.586	0.638	0.637	0.571	11.03
16)	1,2-Dichloropropa	0.462	0.488	0.525	0.536	0.517	0.558	0.551	0.520	6.61
17)	cis-1,3-Dichlorop	0.517	0.357	0.595	0.637	0.711	0.770	0.782	0.624	24.30
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
	Response Ratio = 0.00000 + 0.63567 *A + 0.03847 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.103	1.096	1.029	0.997	0.980	1.004	1.004	1.030	4.78
20)	trans-1,3-Dichlor	0.591	0.304	0.687	0.721	0.768	0.858	0.872	0.686	28.34
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992									
	Response Ratio = 0.00000 + 0.69172 *A + 0.04705 *A^2									
21)	Tetrachloroethene	0.612	0.667	0.685	0.665	0.646	0.699	0.705	0.668	4.84
22)	1,4-Dichlorobenze	1.204	1.082	1.322	1.379	1.352	1.502	1.532	1.339	11.81
23)	1,2-Dibromo-3-Chl	0.138	0.085	0.101	0.100	0.097	0.105	0.102	0.104	15.69
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.09928 *A + 0.00082 *A^2									

(#) = Out of Range

SIMCL-09-02-2021.M Fri Sep 03 09:45:18 2021

Initial Calibration Verification

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-02\Z65713.D Vial: 14
Acq On : 2 Sep 2021 5:32 pm Operator: CHARLENG
Sample : icv2584-5 Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	8.05
2	Vinyl Chloride	0.823	0.667	19.0	89	0.00	3.39
		Amount	Calc.	%Drift			
3	Chloromethane	10.000	7.974	20.3#	87	0.00	3.27
		AvgRF	CCRF	%Dev			
4	1,1-Dichloroethene	0.823	0.832	-1.1	105	0.00	4.71
		Amount	Calc.	%Drift			
5	Methylene Chloride	10.000	9.277	7.2	101	0.00	5.36
		AvgRF	CCRF	%Dev			
6	trans-1,2-Dichloroethene	0.763	0.763	0.0	104	0.00	5.54
7	1,1-Dichloroethane	0.992	0.990	0.2	107	0.00	6.22
8	cis-1,2-Dichloroethene	0.550	0.548	0.4	106	0.00	6.79
		Amount	Calc.	%Drift			
9	Chloroform	10.000	9.279	7.2	102	0.00	7.04
		AvgRF	CCRF	%Dev			
10	Carbon Tetrachloride	0.766	0.745	2.7	102	0.00	7.21
11	1,1,1-Trichloroethane	0.945	0.902	4.6	102	0.00	7.28
12	Benzene	2.002	1.988	0.7	104	0.00	7.65
13 S	1,2-Dichloroethane-d4	0.430	0.402	6.5	104	0.00	7.78
14	1,2-Dichloroethane	0.773	0.734	5.0	102	0.00	7.85
15	Trichloroethene	0.571	0.570	0.2	103	0.00	8.21
16	1,2-Dichloropropane	0.520	0.511	1.7	105	0.00	8.74
		Amount	Calc.	%Drift			
17	cis-1,3-Dichloropropene	10.000	9.173	8.3	97	0.00	9.39
		AvgRF	CCRF	%Dev			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.13
19 S	Toluene-d8	1.030	0.954	7.4	101	0.00	9.58
		Amount	Calc.	%Drift			
20	trans-1,3-Dichloropropene	10.000	9.755	2.4	103	0.00	10.02
		AvgRF	CCRF	%Dev			
21	Tetrachloroethene	0.668	0.597	10.6	96	0.00	10.02

Initial Calibration Verification

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

22	1,4-Dichlorobenzene	1.339	1.398	-4.4	107	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.618	3.8	103	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 09:45:07 2021

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65716.D Vial: 3
Acq On : 3 Sep 2021 10:03 am Operator: CHARLENG
Sample : cc2584-5 Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00	8.05
2		Vinyl Chloride	0.823	0.679	17.5	94	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	8.287	17.1	94	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.795	3.4	104	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.200	-12.0	125	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.730	4.3	103	0.00	5.54
7		1,1-Dichloroethane	0.992	0.918	7.5	103	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.524	4.7	105	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	9.171	8.3	104	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.747	2.5	105	0.00	7.21
11		1,1,1-Trichloroethane	0.945	0.911	3.6	106	0.00	7.28
12		Benzene	2.002	1.930	3.6	104	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.391	9.1	105	0.00	7.78
14		1,2-Dichloroethane	0.773	0.704	8.9	102	0.00	7.85
15		Trichloroethene	0.571	0.565	1.1	106	0.00	8.21
16		1,2-Dichloropropane	0.520	0.493	5.2	105	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.827	11.7	96	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.12
19	S	Toluene-d8	1.030	0.990	3.9	104	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.641	13.6	90	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.630	5.7	101	0.00	10.02

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

22	1,4-Dichlorobenzene	1.339	1.305	2.5	100	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	7.880	21.2#	84	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 10:47:47 2021

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65735.D Vial: 22
Acq On : 3 Sep 2021 5:15 pm Operator: CHARLENG
Sample : ECC2584-5 Inst : MSVOA15
Misc : MS49713,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.05
2		Vinyl Chloride	0.823	0.866	-5.2	97	0.00	3.39
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.712	-7.1	96	0.00	3.28
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.903	-9.7	95	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	15.996	-60.0#	140	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.820	-7.5	94	0.00	5.54
7		1,1-Dichloroethane	0.992	1.044	-5.2	95	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.568	-3.3	92	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	10.308	-3.1	95	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.829	-8.2	95	0.00	7.21
11		1,1,1-Trichloroethane	0.945	1.007	-6.6	95	0.00	7.28
12		Benzene	2.002	2.134	-6.6	93	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.428	0.5	93	0.00	7.78
14		1,2-Dichloroethane	0.773	0.786	-1.7	92	0.00	7.85
15		Trichloroethene	0.571	0.628	-10.0	95	0.00	8.21
16		1,2-Dichloropropane	0.520	0.522	-0.4	89	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.031	9.7	79	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	11.13
19	S	Toluene-d8	1.030	0.932	9.5	81	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	9.385	6.2	81	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.645	3.4	85	0.00	10.02

Continuing Calibration Summary

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

22	1,4-Dichlorobenzene	1.339	1.413	-5.5	89	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.902	1.0	88	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Sat Sep 04 08:53:54 2021

6.7.12

6

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2546 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2546-BFB	O64950.D	09/03/21 16:42	n/a	BFB Tune
VO2546-IC2546	O64951.D	09/03/21 17:04	n/a	Initial cal 1
VO2546-IC2546	O64952.D	09/03/21 17:28	n/a	Initial cal 2
VO2546-IC2546	O64953.D	09/03/21 17:50	n/a	Initial cal 3
VO2546-IC2546	O64954.D	09/03/21 18:13	n/a	Initial cal 4
VO2546-ICC2546	O64955.D	09/03/21 18:36	n/a	Initial cal 5
VO2546-IC2546	O64956.D	09/03/21 18:59	n/a	Initial cal 6
VO2546-IC2546	O64957.D	09/03/21 19:23	n/a	Initial cal 7
VO2546-ICV2546	O64959.D	09/03/21 20:09	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2547 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2547-BFB	O64961.D	09/04/21 09:00	n/a	BFB Tune
VO2547-CC2546	O64962.D	09/04/21 09:23	n/a	Continuing cal 5
VO2547-BS	O64963.D	09/04/21 09:46	n/a	Blank Spike
VO2547-MB	O64964.D	09/04/21 10:09	n/a	Method Blank
FA88610-1	O64966.D	09/04/21 10:55	n/a	2135W0BW220F
FA88610-2	O64967.D	09/04/21 11:18	n/a	2135W0BW223F
FA88610-3	O64968.D	09/04/21 11:41	n/a	2135W0BW224F
FA88610-4	O64969.D	09/04/21 12:04	n/a	2135W0BW225F
FA88610-5	O64970.D	09/04/21 12:27	n/a	2135W0BW226F
FA88610-7	O64971.D	09/04/21 12:51	n/a	2135W0BW230F
FA88610-8	O64972.D	09/04/21 13:14	n/a	2135W0BW232F
FA88610-9	O64973.D	09/04/21 13:37	n/a	2135W0BW233F
FA88610-10	O64974.D	09/04/21 14:00	n/a	2135W0BW234F
FA88610-11	O64975.D	09/04/21 14:23	n/a	2135W0BW235F
FA88610-12	O64978.D	09/04/21 15:33	n/a	2135W0BW236C
FA88610-13	O64979.D	09/04/21 15:57	n/a	2135W0BW237B
FA88610-14	O64980.D	09/04/21 16:20	n/a	2135WOU2221F
FA88610-15	O64981.D	09/04/21 16:43	n/a	2135WOU2228F
FA88610-16	O64982.D	09/04/21 17:06	n/a	2135YOU2038F
FA88610-17	O64983.D	09/04/21 17:29	n/a	2135YOU2039F
FA88610-18	O64984.D	09/04/21 17:53	n/a	2135Y0BW044F
ZZZZZZ	O64985.D	09/04/21 18:16	n/a	(unrelated sample)
FA88610-1MS	O64986.D	09/04/21 18:39	n/a	Matrix Spike
FA88610-1MSD	O64987.D	09/04/21 19:03	n/a	Matrix Spike Duplicate
VO2547-ECC2546	O64988.D	09/04/21 19:26	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2549 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2549-BFB	O65000.D	09/07/21 08:33	n/a	BFB Tune
VO2549-IC2549	O65004.D	09/07/21 11:17	n/a	Initial cal 1
VO2549-IC2549	O65005.D	09/07/21 11:41	n/a	Initial cal 2
VO2549-IC2549	O65006.D	09/07/21 12:04	n/a	Initial cal 3
VO2549-IC2549	O65007.D	09/07/21 12:27	n/a	Initial cal 4
VO2549-ICC2549	O65008.D	09/07/21 12:49	n/a	Initial cal 5
VO2549-IC2549	O65009.D	09/07/21 13:12	n/a	Initial cal 6
VO2549-IC2549	O65010.D	09/07/21 13:35	n/a	Initial cal 7
VO2549-ICV2549	O65012.D	09/07/21 14:23	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2550 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2550-BFB	O65014.D	09/07/21 15:08	n/a	BFB Tune
VO2550-CC2549	O65015.D	09/07/21 15:32	n/a	Continuing cal 5
VO2550-BS	O65016.D	09/07/21 15:55	n/a	Blank Spike
VO2550-MB	O65018.D	09/07/21 16:41	n/a	Method Blank
ZZZZZZ	O65019.D	09/07/21 17:04	n/a	(unrelated sample)
ZZZZZZ	O65020.D	09/07/21 17:27	n/a	(unrelated sample)
ZZZZZZ	O65021.D	09/07/21 17:50	n/a	(unrelated sample)
ZZZZZZ	O65022.D	09/07/21 18:13	n/a	(unrelated sample)
ZZZZZZ	O65023.D	09/07/21 18:36	n/a	(unrelated sample)
ZZZZZZ	O65024.D	09/07/21 19:00	n/a	(unrelated sample)
ZZZZZZ	O65025.D	09/07/21 19:22	n/a	(unrelated sample)
ZZZZZZ	O65026.D	09/07/21 19:45	n/a	(unrelated sample)
ZZZZZZ	O65027.D	09/07/21 20:08	n/a	(unrelated sample)
ZZZZZZ	O65028.D	09/07/21 20:31	n/a	(unrelated sample)
ZZZZZZ	O65029.D	09/07/21 20:54	n/a	(unrelated sample)
ZZZZZZ	O65030.D	09/07/21 21:17	n/a	(unrelated sample)
ZZZZZZ	O65031.D	09/07/21 21:40	n/a	(unrelated sample)
ZZZZZZ	O65032.D	09/07/21 22:02	n/a	(unrelated sample)
FA88610-15	O65033.D	09/07/21 22:26	n/a	2135WOU2228F
FA88610-16	O65034.D	09/07/21 22:50	n/a	2135YOU2038F
FA88610-18	O65035.D	09/07/21 23:13	n/a	2135Y0BW044F
FA88610-15MS	O65039.D	09/08/21 00:44	n/a	Matrix Spike
FA88610-15MSD	O65040.D	09/08/21 01:06	n/a	Matrix Spike Duplicate
VO2550-ECC2549	O65041.D	09/08/21 01:29	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2584 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2584-BFB	Z65701.D	09/02/21 12:35	n/a	BFB Tune
VZ2584-IC2584	Z65705.D	09/02/21 14:48	n/a	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21 15:08	n/a	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21 15:29	n/a	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21 15:49	n/a	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21 16:10	n/a	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21 16:30	n/a	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21 16:51	n/a	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21 17:32	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88610
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2585 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2585-BFB	Z65715.D	09/03/21 09:43	n/a	BFB Tune
VZ2585-CC2584	Z65716.D	09/03/21 10:03	n/a	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21 10:23	n/a	Blank Spike
VZ2585-MB	Z65718.D	09/03/21 10:44	n/a	Method Blank
FA88610-6	Z65720.D	09/03/21 11:27	n/a	2135W0BW227A
ZZZZZZ	Z65721.D	09/03/21 11:48	n/a	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21 12:08	n/a	(unrelated sample)
FA88607-3	Z65723.D	09/03/21 12:28	n/a	(used for QC only; not part of job FA88610)
ZZZZZZ	Z65724.D	09/03/21 12:49	n/a	(unrelated sample)
ZZZZZZ	Z65725.D	09/03/21 13:09	n/a	(unrelated sample)
ZZZZZZ	Z65726.D	09/03/21 13:30	n/a	(unrelated sample)
ZZZZZZ	Z65727.D	09/03/21 13:50	n/a	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21 14:52	n/a	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21 15:12	n/a	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21 16:34	n/a	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21 16:54	n/a	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21 17:15	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

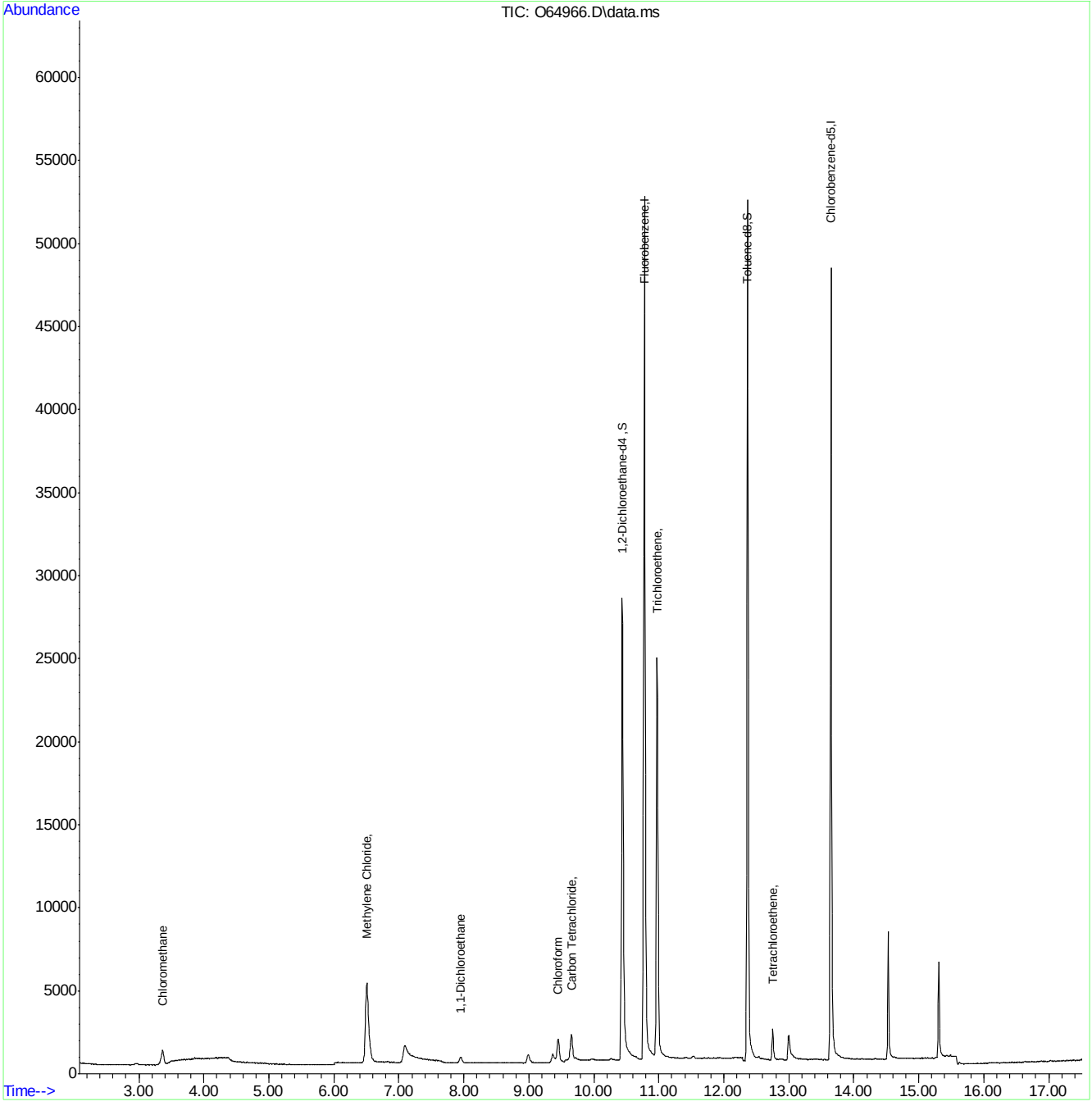
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	61411	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	41796	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28651	5.48	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.60%			
19) Toluene-d8	12.367	98	46661	5.08	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.60%			
Target Compounds						Qvalue
3) Chloromethane	3.364	50	2008	0.22	ug/L	83
5) Methylene Chloride	6.506	49	6172	0.07	ug/L	93
7) 1,1-Dichloroethane	7.951	63	599	0.04	ug/L	85
9) Chloroform	9.450	83	1698m	0.12	ug/L	
10) Carbon Tetrachloride	9.656	117	1448m	0.16	ug/L	
15) Trichloroethene	10.973	95	11757	1.46	ug/L	94
21) Tetrachloroethene	12.752	166	764	0.12	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

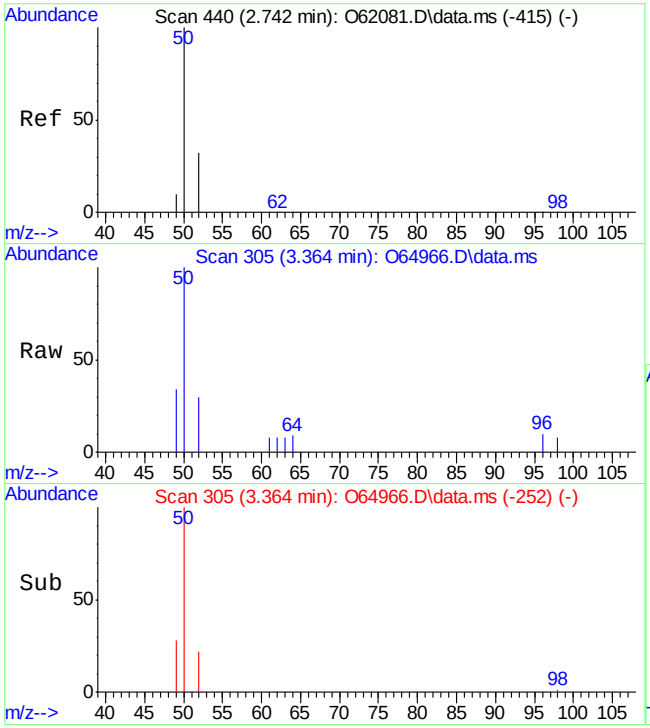
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



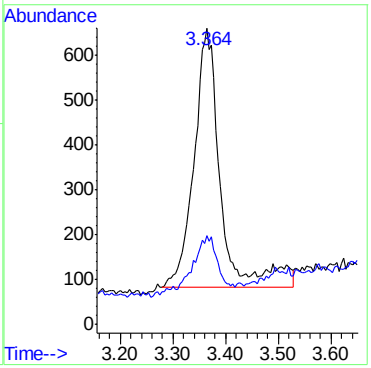
SIMCL-09-03-2021.M Tue Sep 07 09:08:31 2021 Page: 2

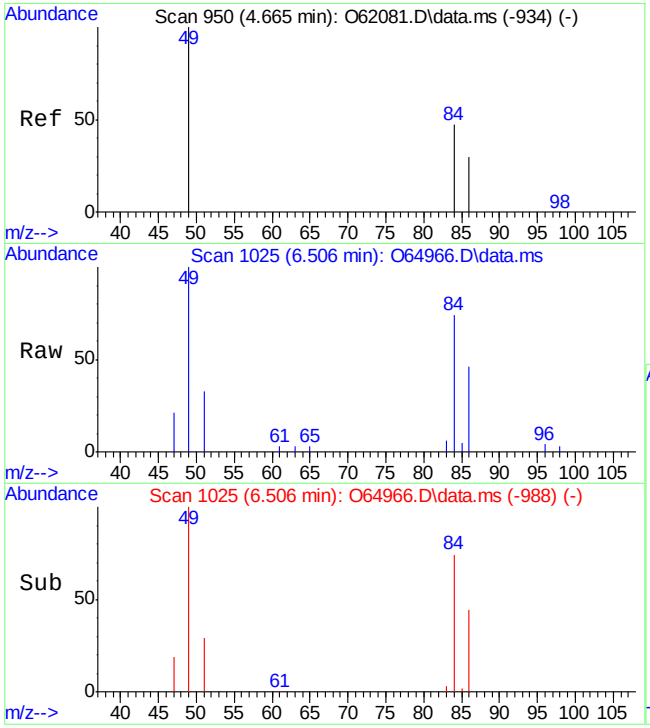


#3
Chloromethane
Concen: 0.22 ug/L
RT: 3.364 min Scan# 305
Delta R.T. 0.021 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion: 50 Resp: 2008

Ion	Ratio	Lower	Upper
50	100		
52	21.8	1.0	61.0

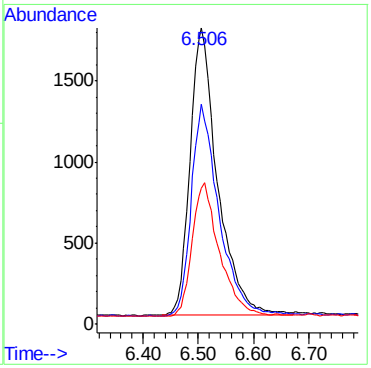


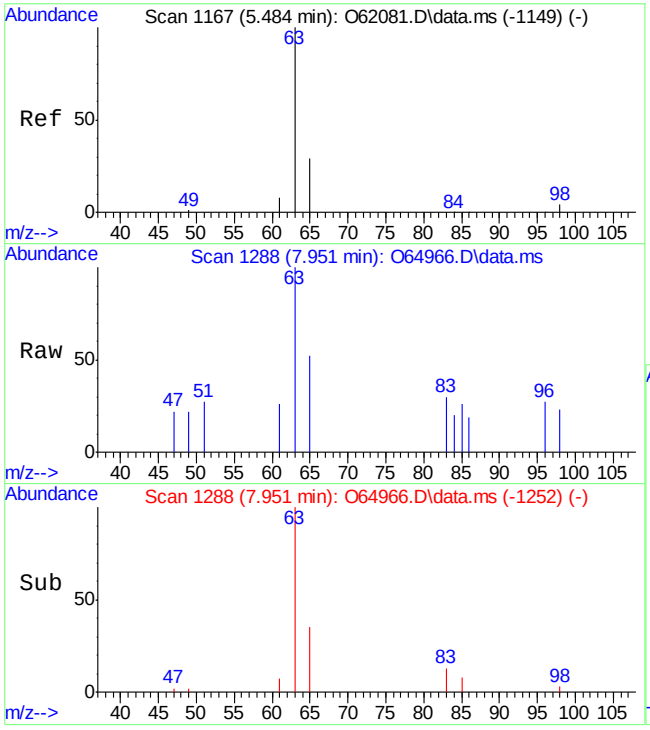


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion: 49 Resp: 6172

Ion	Ratio	Lower	Upper
49	100		
84	73.6	35.5	95.5
86	44.4	12.8	72.8

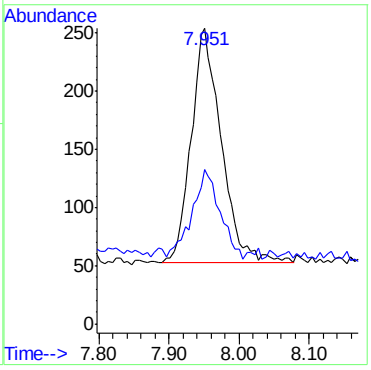


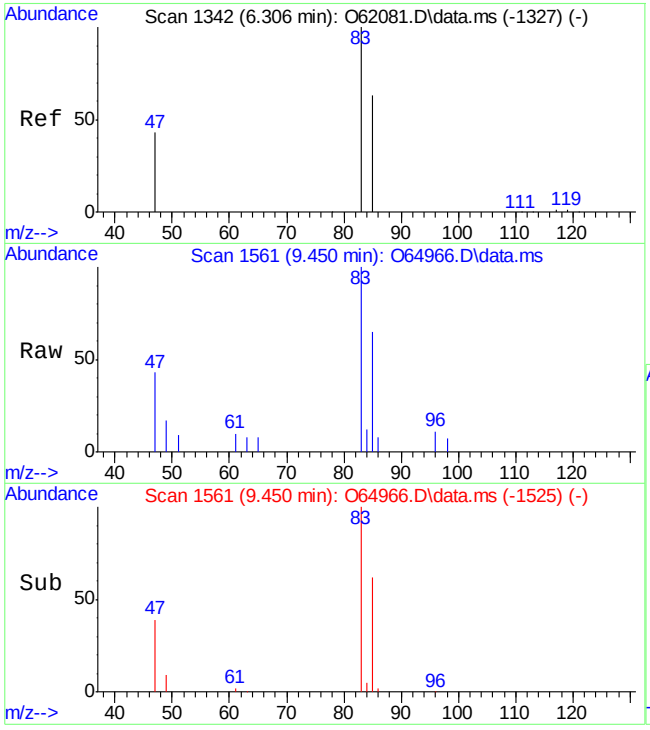


#7
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. -0.000 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion: 63 Resp: 599

Ion	Ratio	Lower	Upper
63	100		
65	37.8	0.0	59.6

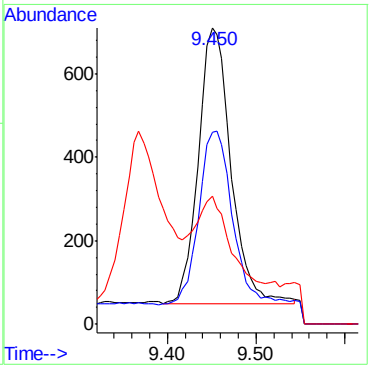


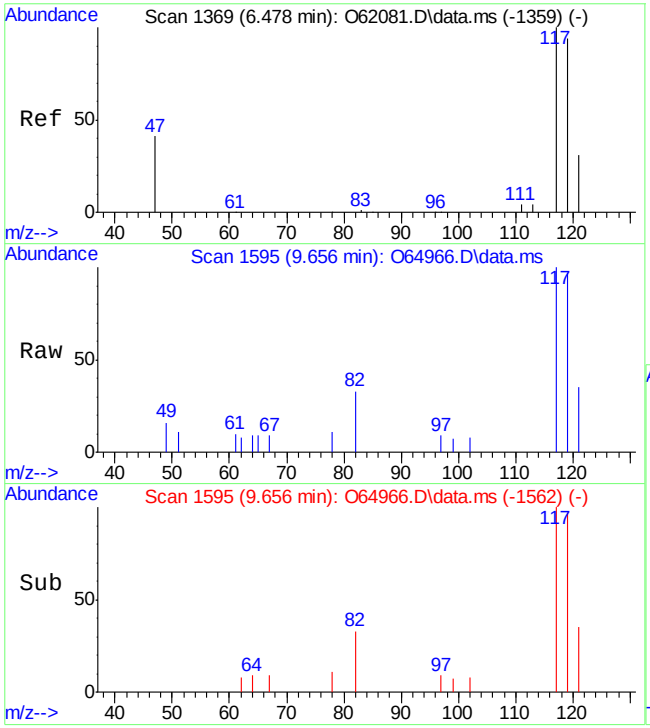


#9
Chloroform
Concen: 0.12 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion: 83 Resp: 1698

Ion	Ratio	Lower	Upper
83	100		
85	64.8	33.7	93.7
47	43.1	5.1	65.1

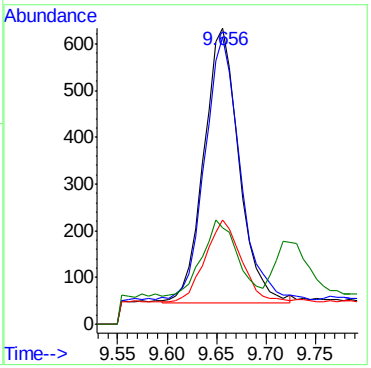


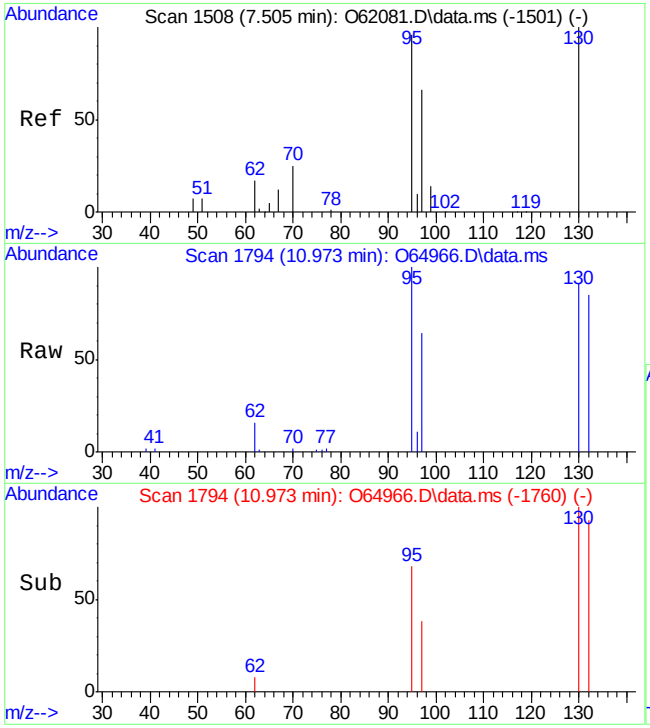


#10
Carbon Tetrachloride
Concen: 0.16 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion:117 Resp: 1448

Ion	Ratio	Lower	Upper
117	100		
119	97.0	68.2	128.2
121	35.2	1.1	61.1
82	32.5	0.0	54.2

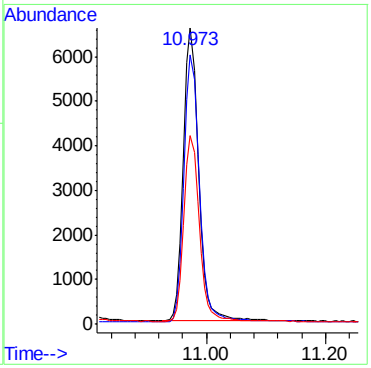


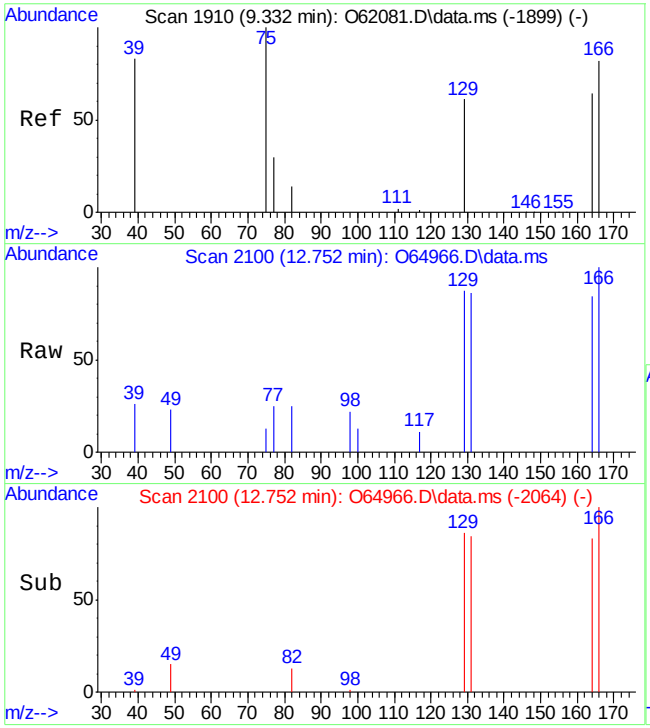


#15
Trichloroethene
Concen: 1.46 ug/L
RT: 10.973 min Scan# 1794
Delta R.T. -0.001 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion: 95 Resp: 11757

Ion	Ratio	Lower	Upper
95	100		
130	91.2	69.9	129.9
97	63.5	34.0	94.0

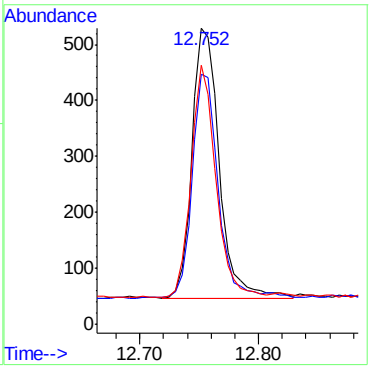




#21
Tetrachloroethene
Concen: 0.12 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. -0.000 min
Lab File: O64966.D
Acq: 4 Sep 2021 10:55 am

Tgt Ion:166 Resp: 764

Ion	Ratio	Lower	Upper
166	100		
164	82.6	48.0	108.0
129	85.9	36.6	96.6



Manual Integration Approval Summary

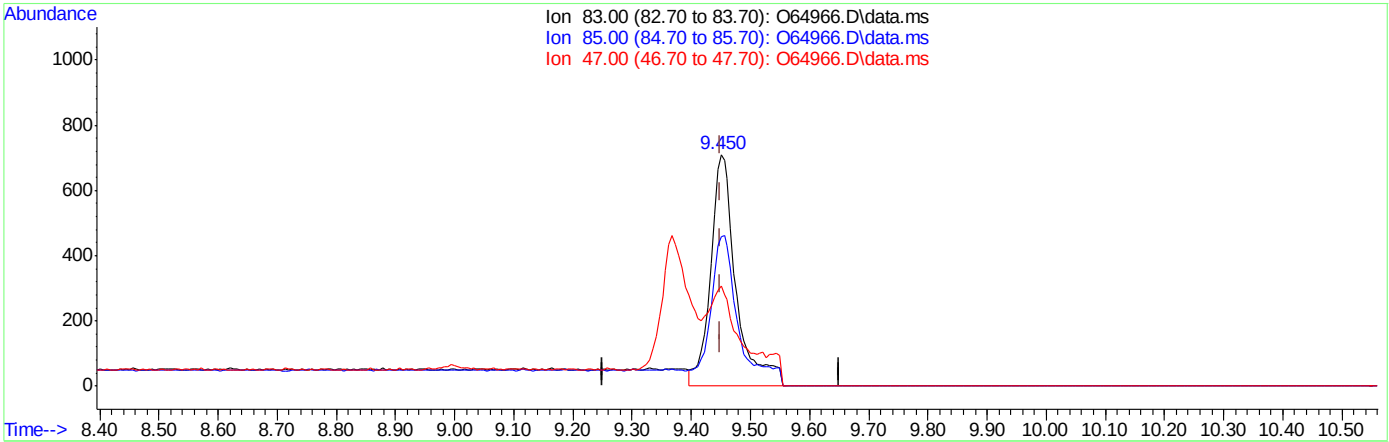
Sample Number: FA88610-1
Lab FileID: O64966.D
Injection Time: 09/04/21 10:55
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

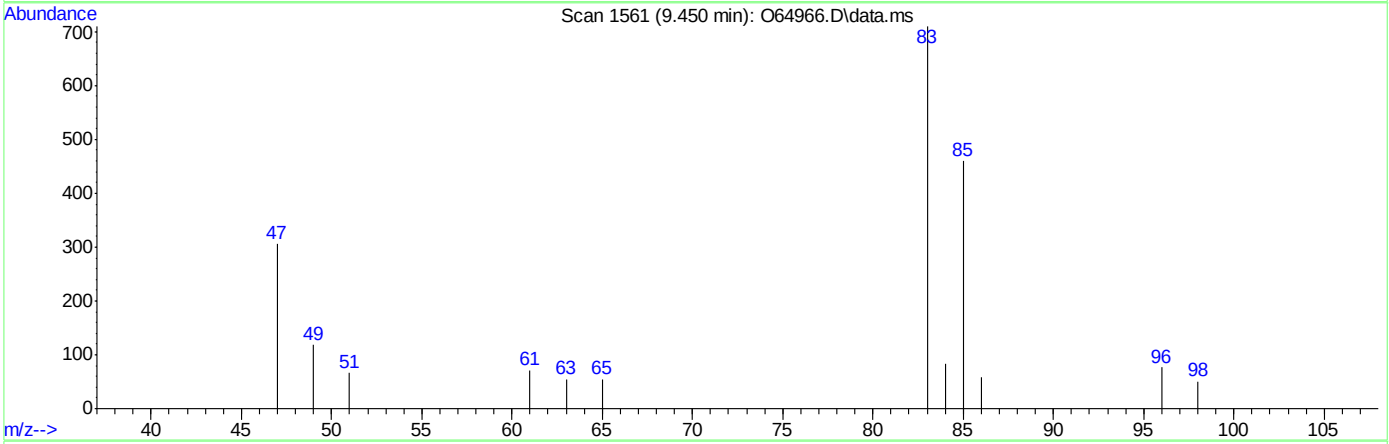
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64966.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.15ug/L

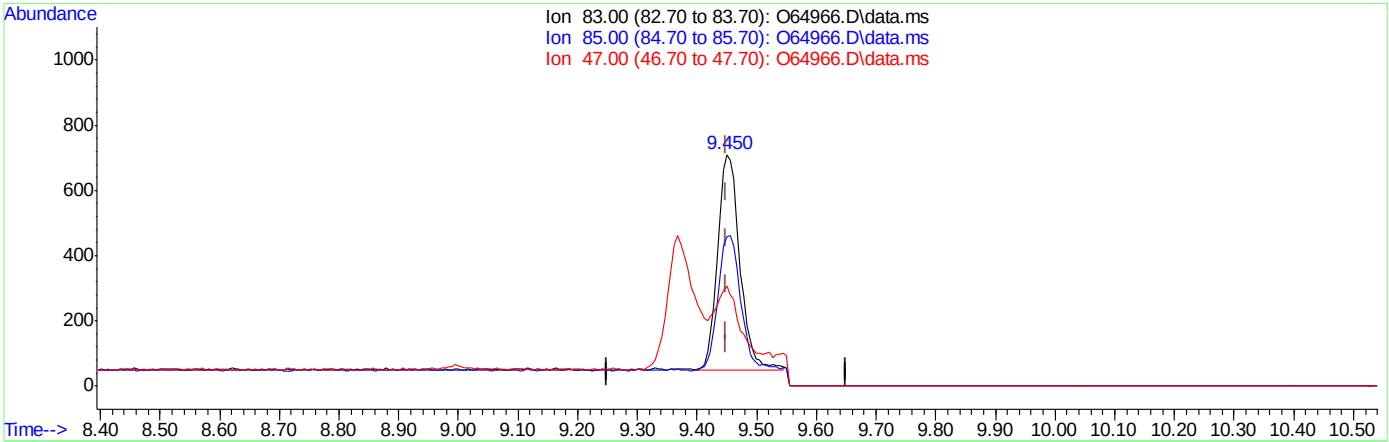
response 2161

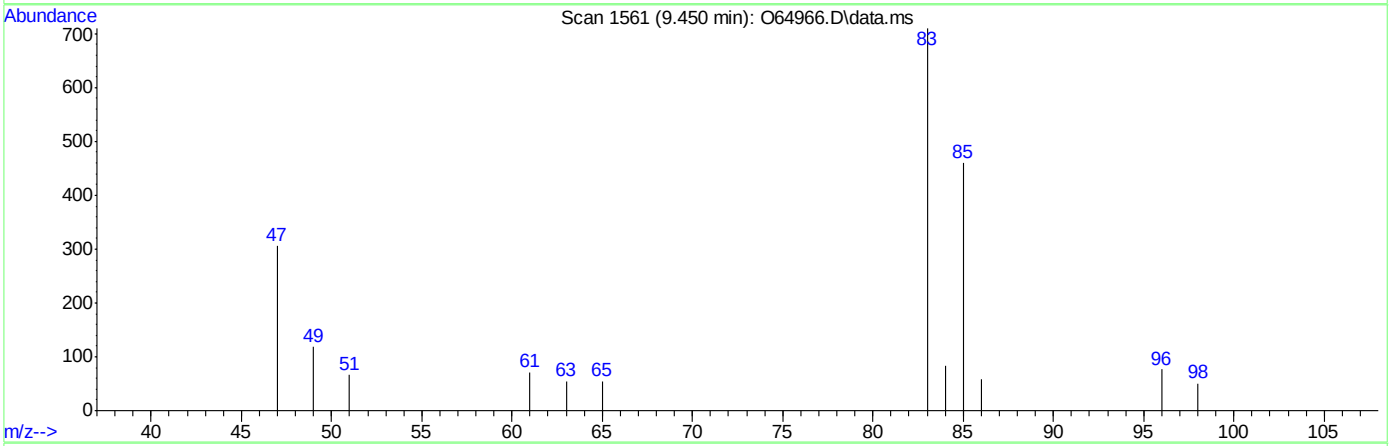
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.79
47.00	35.10	43.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64966.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L m

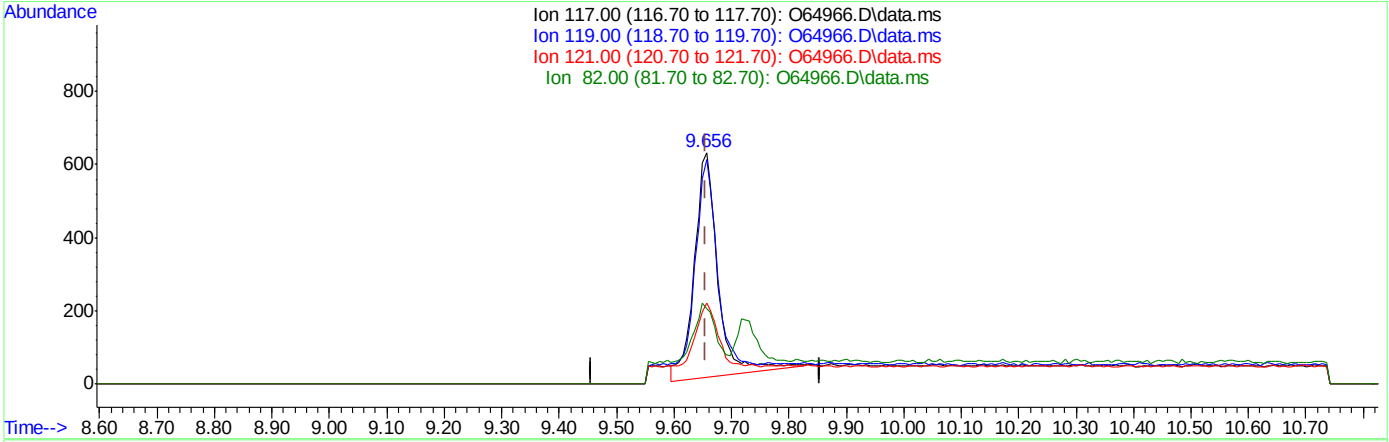
response 1698

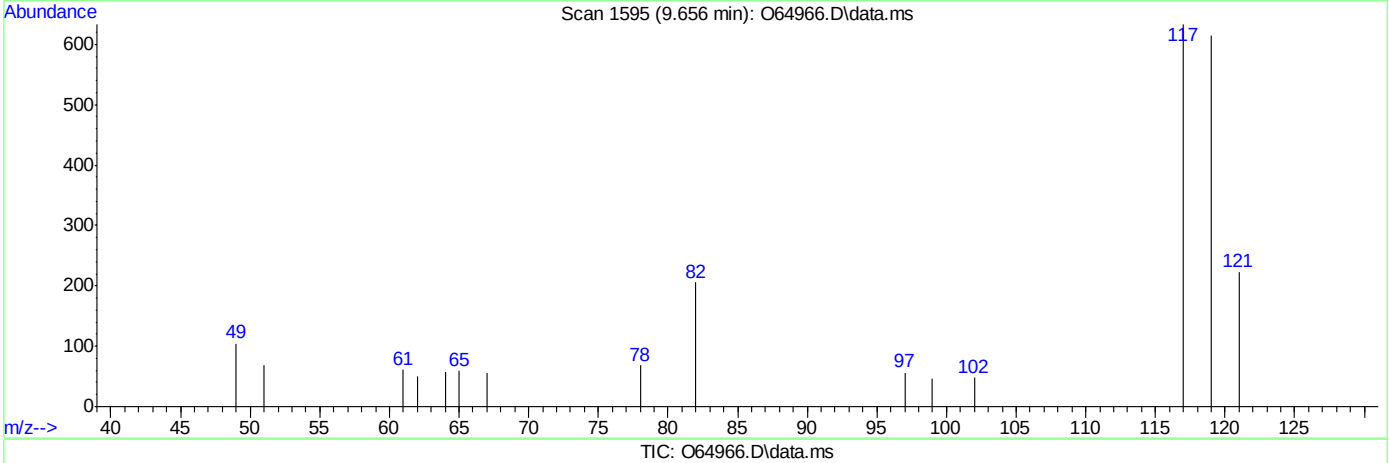
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.79
47.00	35.10	43.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64966.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.18ug/L

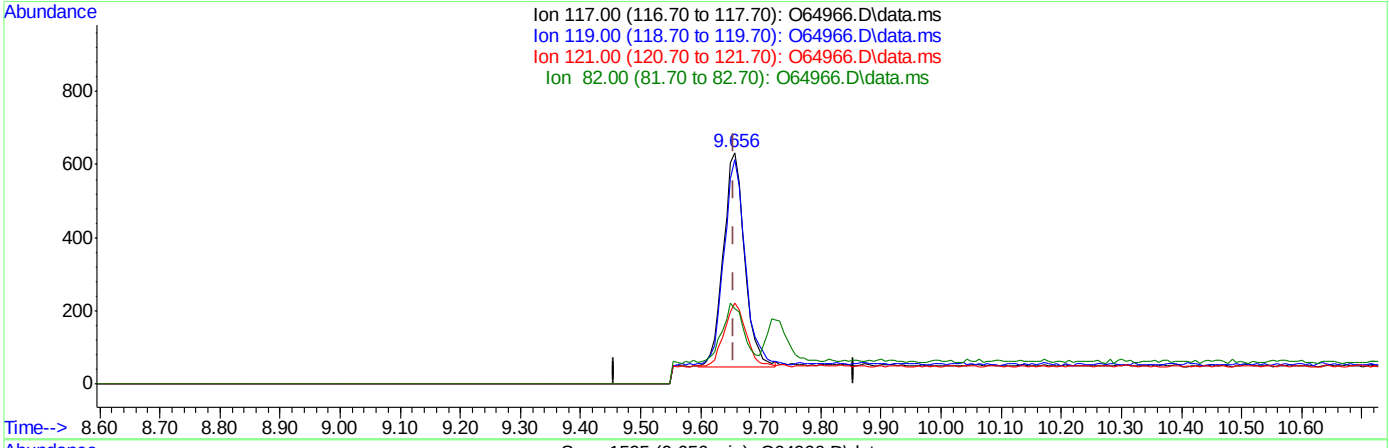
response 1711

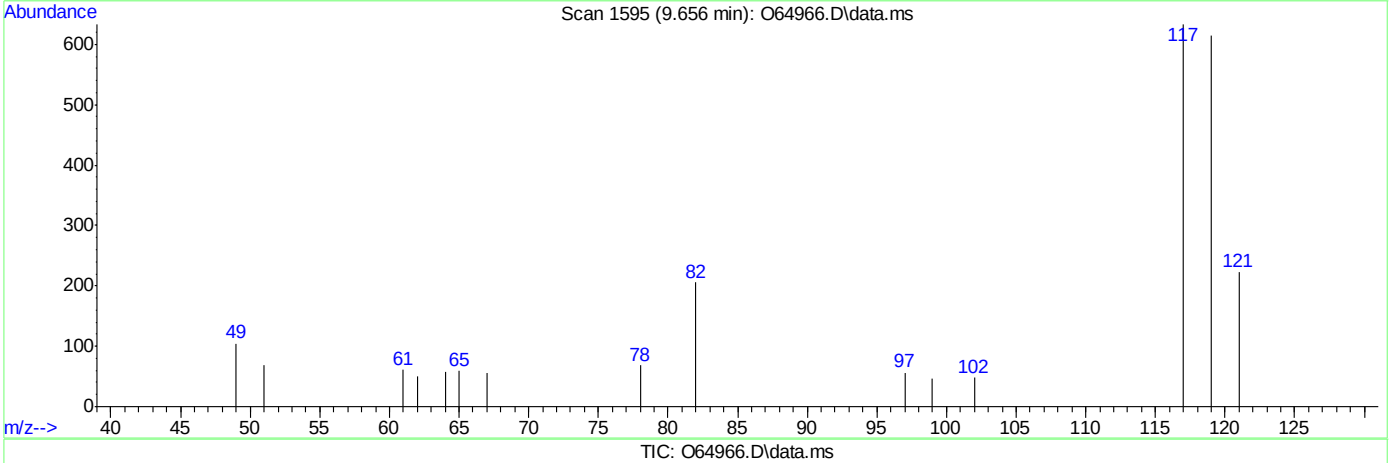
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.53
121.00	31.10	29.90
82.00	24.20	24.91

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64966.D
Acq On : 4 Sep 2021 10:55 am
Operator : CHARLENG
Sample : FA88610-1 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 11:22:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64966.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.16ug/L m

response 1448

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.00
121.00	31.10	35.23
82.00	24.20	32.54

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:35:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

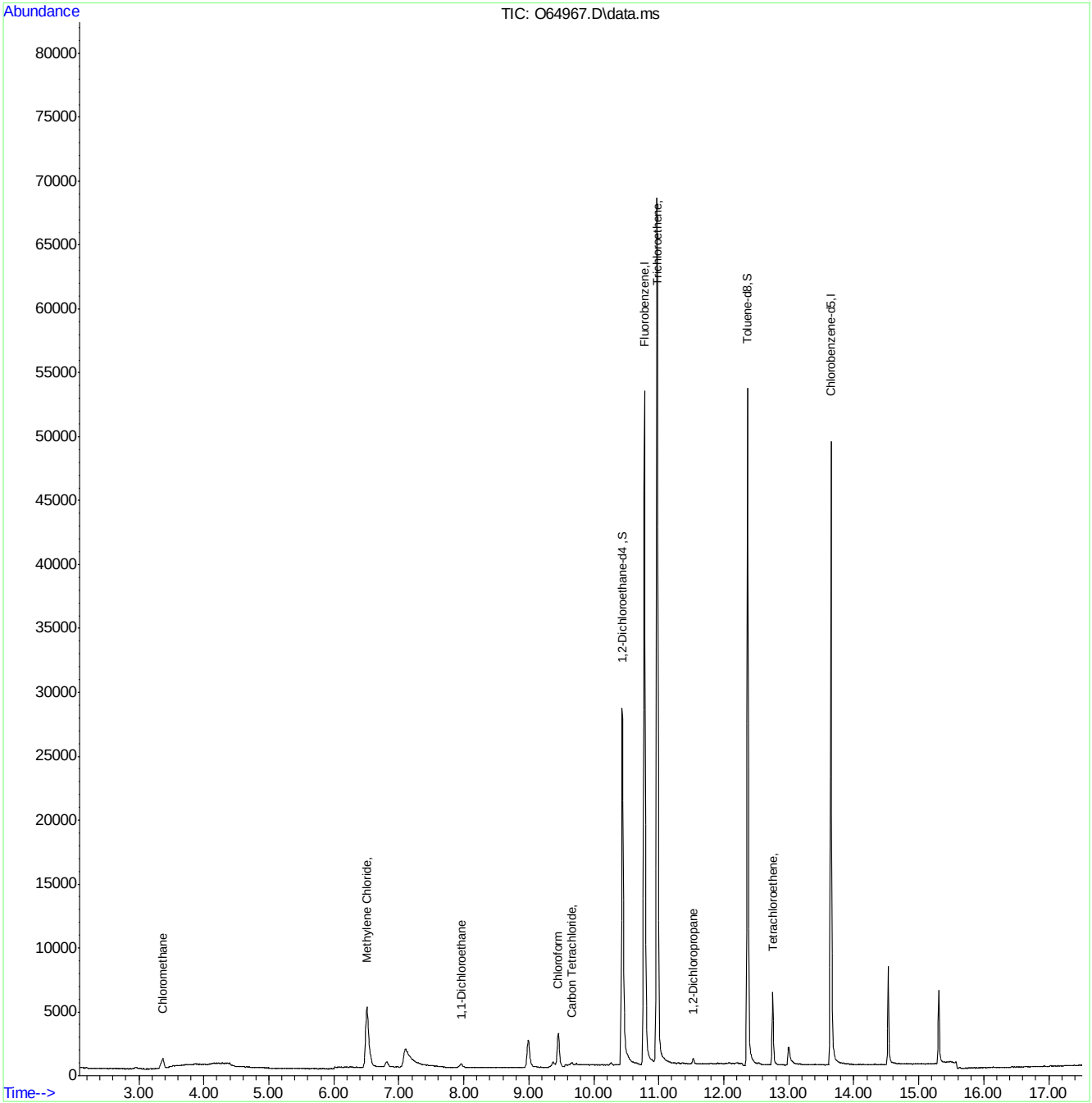
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	62049	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	42374	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	29072	5.50	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 110.00%			
19) Toluene-d8	12.367	98	46982	5.05	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.00%			
Target Compounds						Qvalue
3) Chloromethane	3.368	50	2087	0.23	ug/L	85
5) Methylene Chloride	6.506	49	6099	0.07	ug/L	90
7) 1,1-Dichloroethane	7.956	63	509	0.04	ug/L	93
9) Chloroform	9.450	83	3219m	0.22	ug/L	
10) Carbon Tetrachloride	9.656	117	195m	0.02	ug/L	
15) Trichloroethene	10.974	95	32411	3.98	ug/L	95
16) 1,2-Dichloropropane	11.531	63	181	0.02	ug/L	91
21) Tetrachloroethene	12.758	166	2247	0.34	ug/L	94

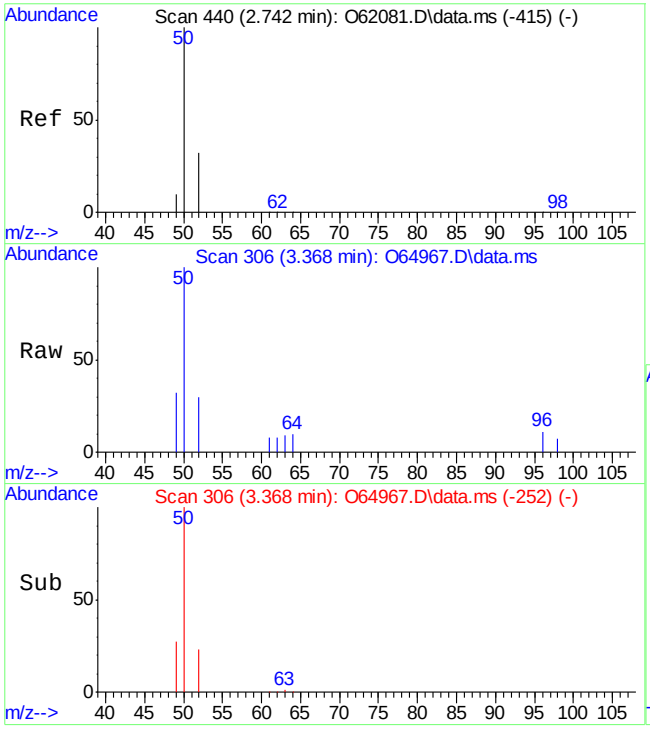
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 08:35:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

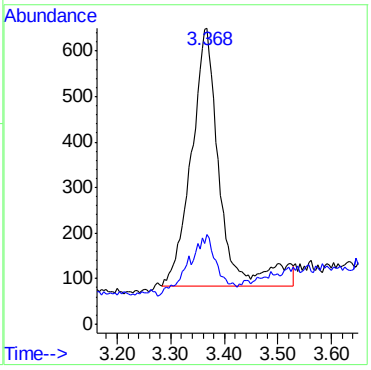


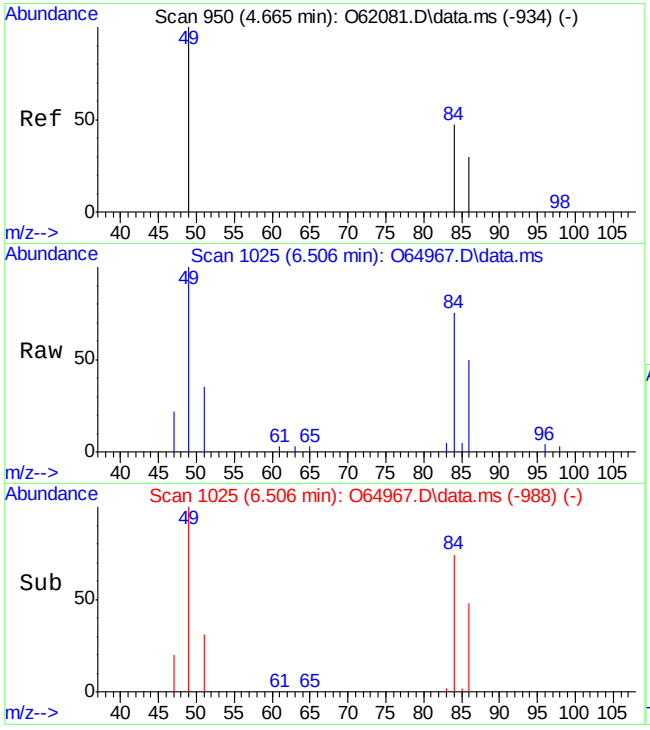


#3
Chloromethane
Concen: 0.23 ug/L
RT: 3.368 min Scan# 306
Delta R.T. 0.025 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 50 Resp: 2087

Ion	Ratio	Lower	Upper
50	100		
52	22.6	1.0	61.0

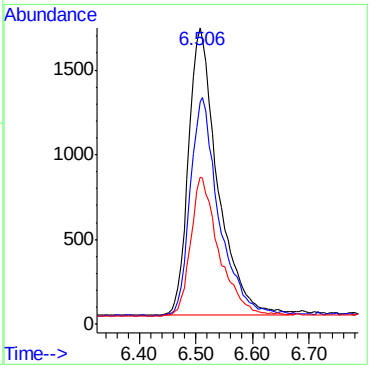


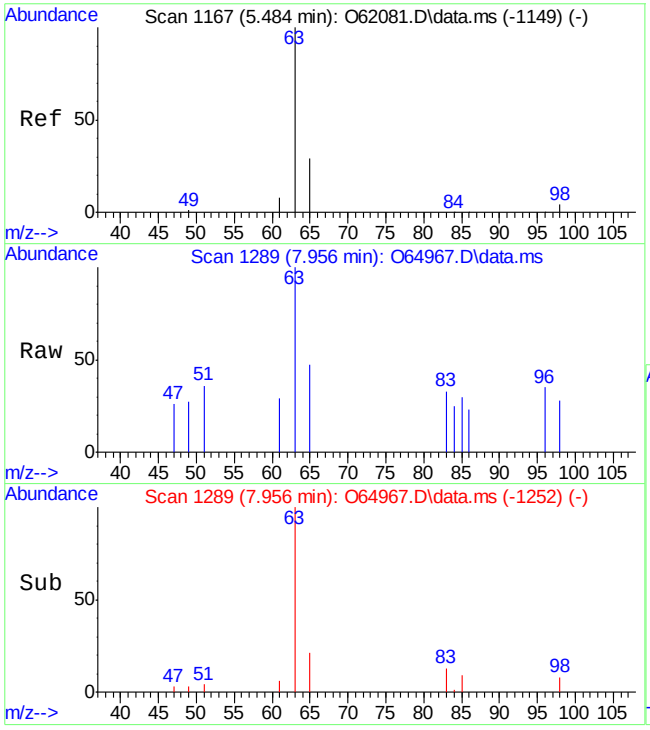


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 49 Resp: 6099

Ion	Ratio	Lower	Upper
49	100		
84	74.1	35.5	95.5
86	48.3	12.8	72.8

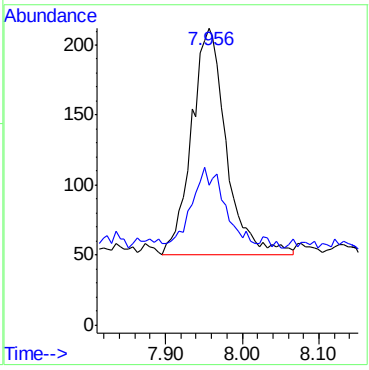


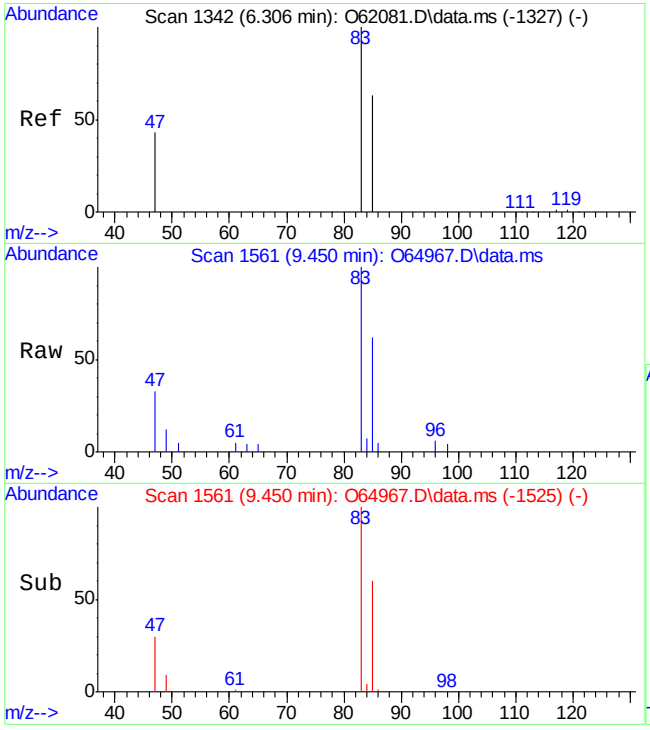


#7
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 7.956 min Scan# 1289
Delta R.T. 0.005 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 63 Resp: 509

Ion	Ratio	Lower	Upper
63	100		
65	25.9	0.0	59.6

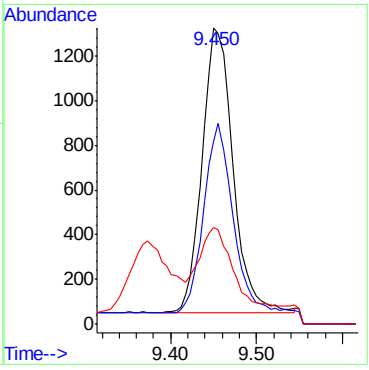


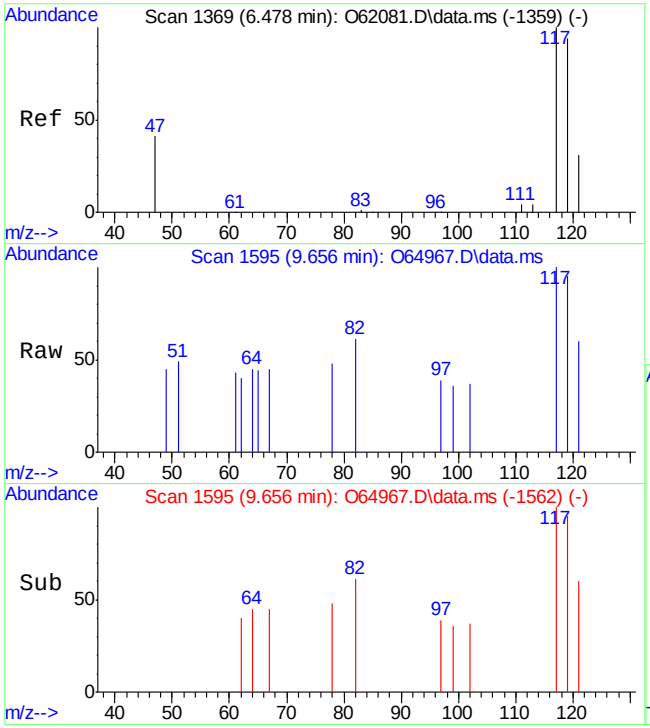


#9
Chloroform
Concen: 0.22 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 83 Resp: 3219

Ion	Ratio	Lower	Upper
83	100		
85	61.9	33.7	93.7
47	32.8	5.1	65.1

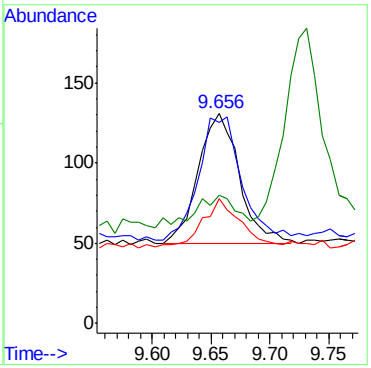


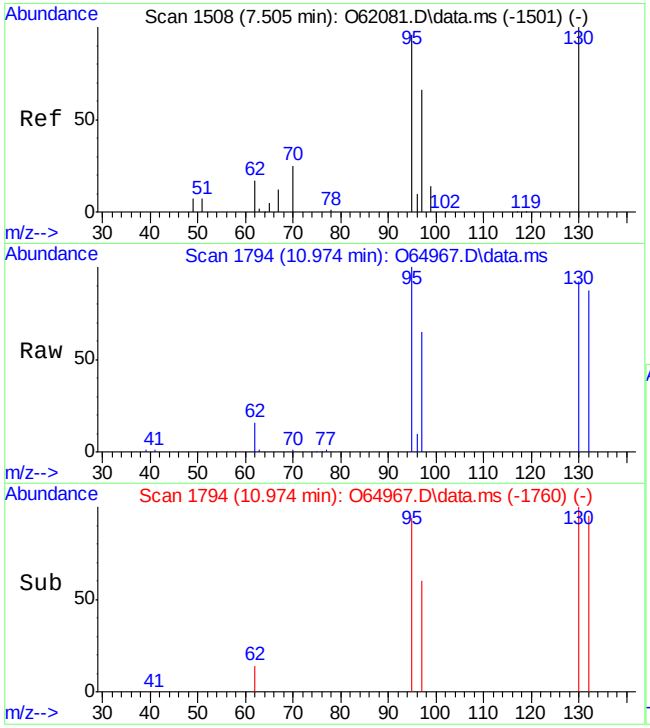


#10
Carbon Tetrachloride
Concen: 0.02 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion:117 Resp: 195

Ion	Ratio	Lower	Upper
117	100		
119	95.4	68.2	128.2
121	59.5	1.1	61.1
82	61.1	0.0	54.2#

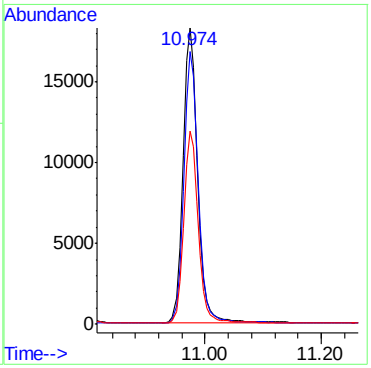


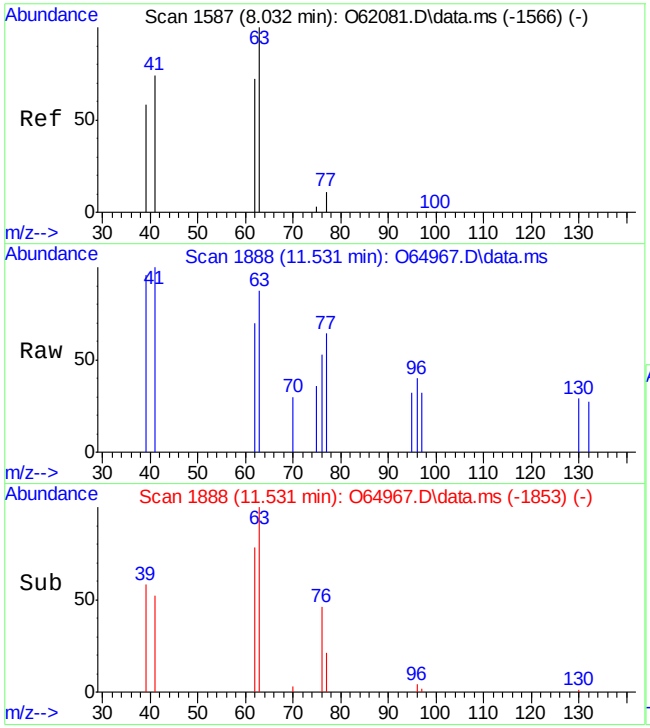


#15
Trichloroethene
Concen: 3.98 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 95 Resp: 32411

Ion	Ratio	Lower	Upper
95	100		
130	92.0	69.9	129.9
97	65.1	34.0	94.0

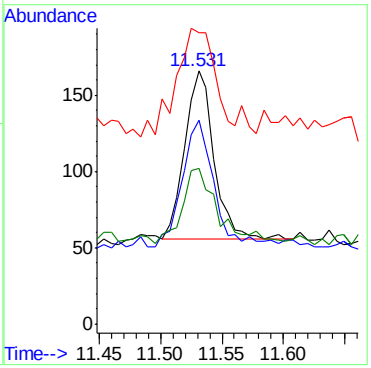


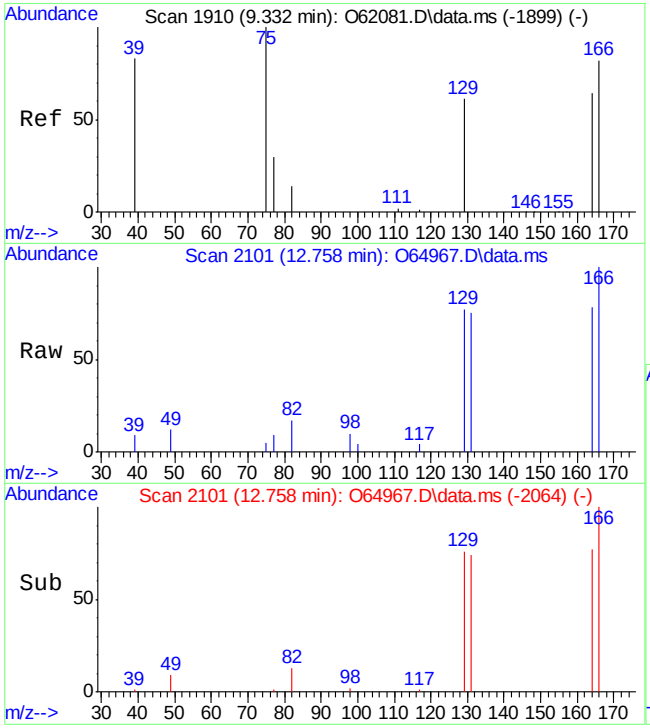


#16
1,2-Dichloropropane
Concen: 0.02 ug/L
RT: 11.531 min Scan# 1888
Delta R.T. 0.006 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion: 63 Resp: 181

Ion	Ratio	Lower	Upper
63	100		
62	71.8	40.7	100.7
41	55.5	18.9	78.9
76	41.8	0.0	57.4

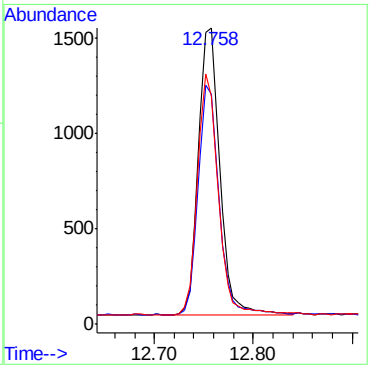




#21
Tetrachloroethene
Concen: 0.34 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64967.D
Acq: 4 Sep 2021 11:18 am

Tgt Ion:166 Resp: 2247

Ion	Ratio	Lower	Upper
166	100		
164	77.1	48.0	108.0
129	76.2	36.6	96.6



Manual Integration Approval Summary

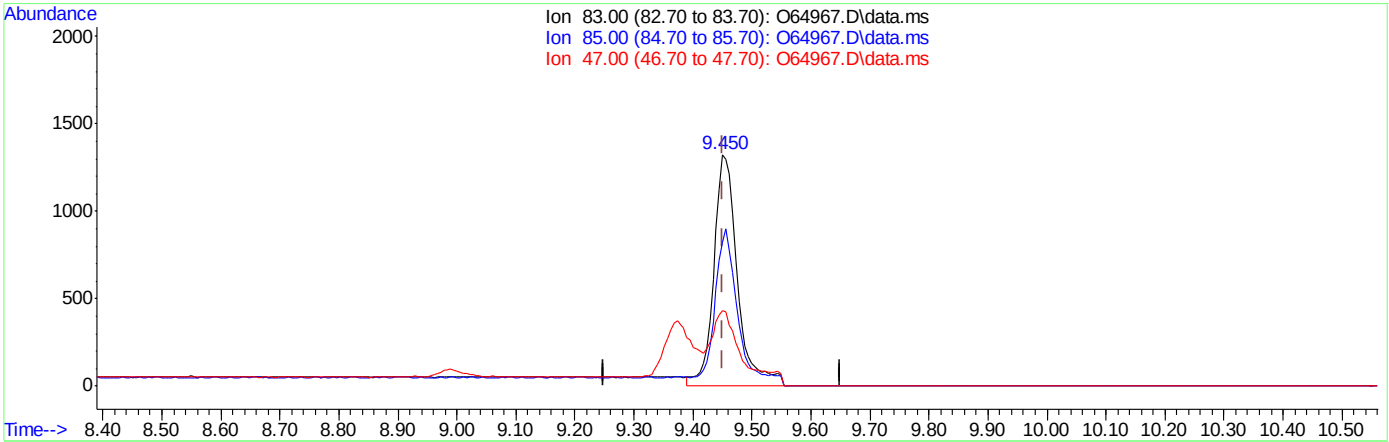
Sample Number: FA88610-2
Lab FileID: O64967.D
Injection Time: 09/04/21 11:18
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

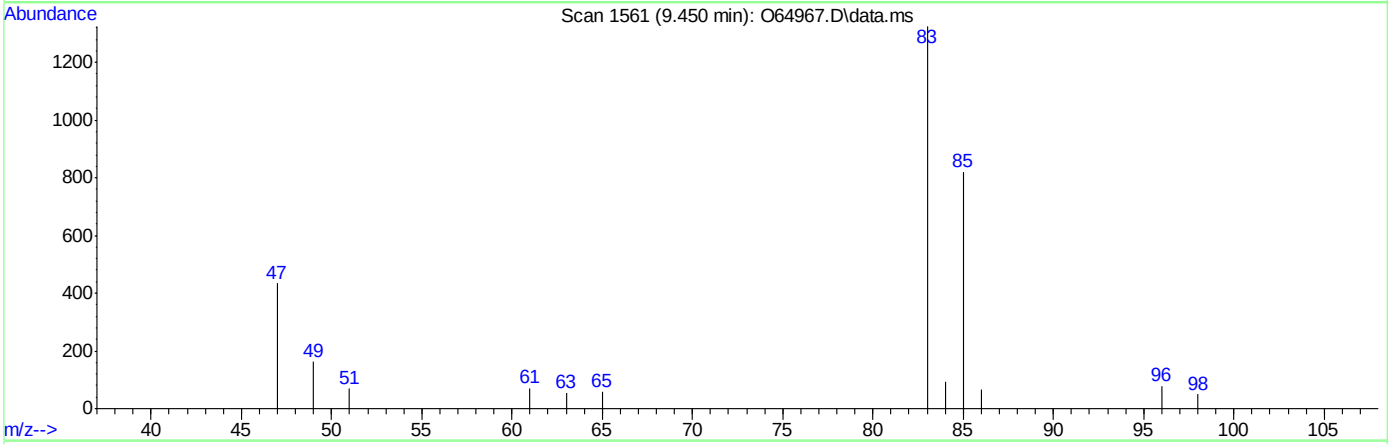
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 07:52:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64967.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.25ug/L

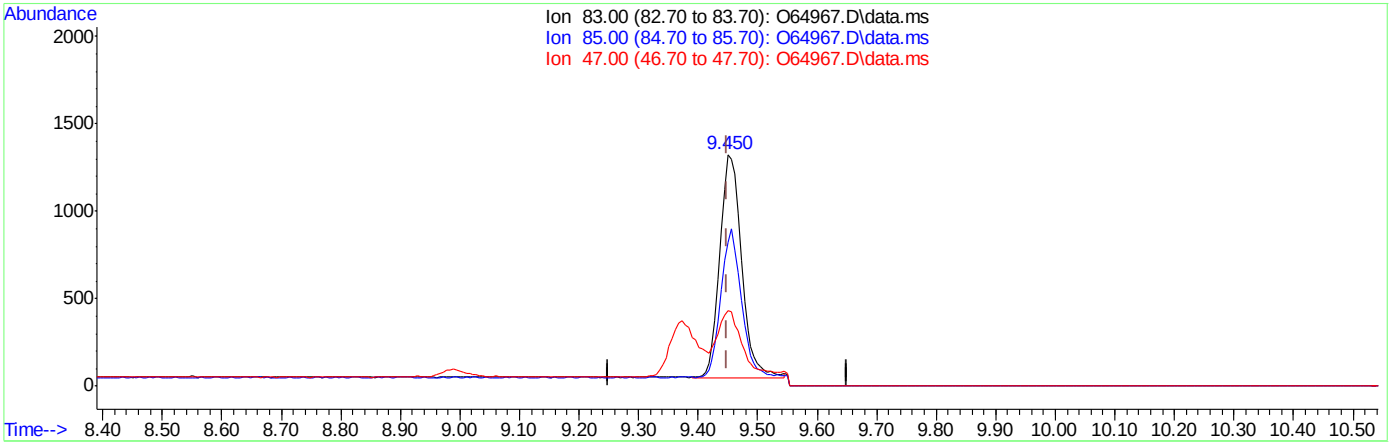
response 3712

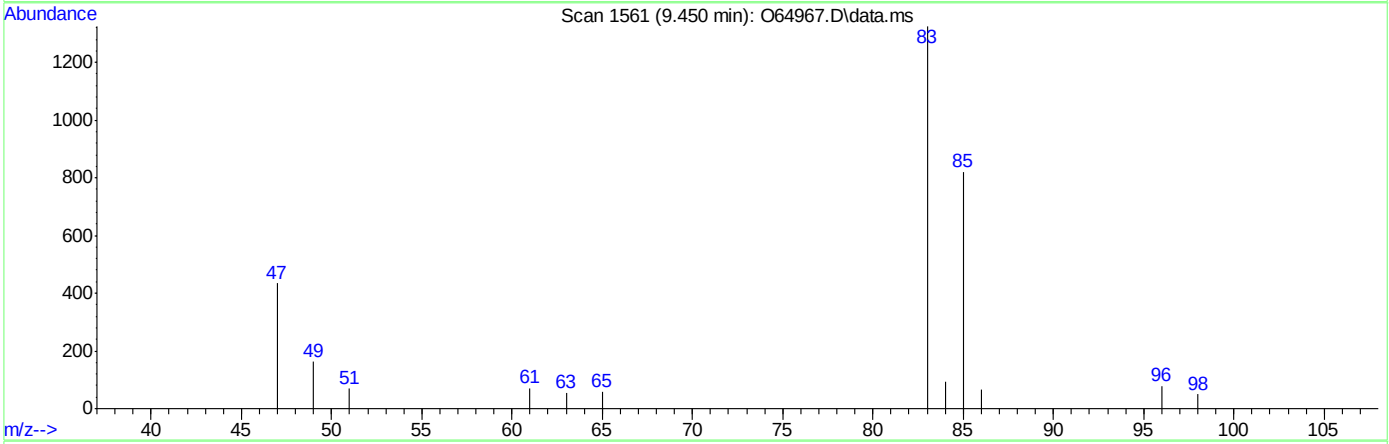
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.89
47.00	35.10	32.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 07:52:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64967.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.22ug/L m

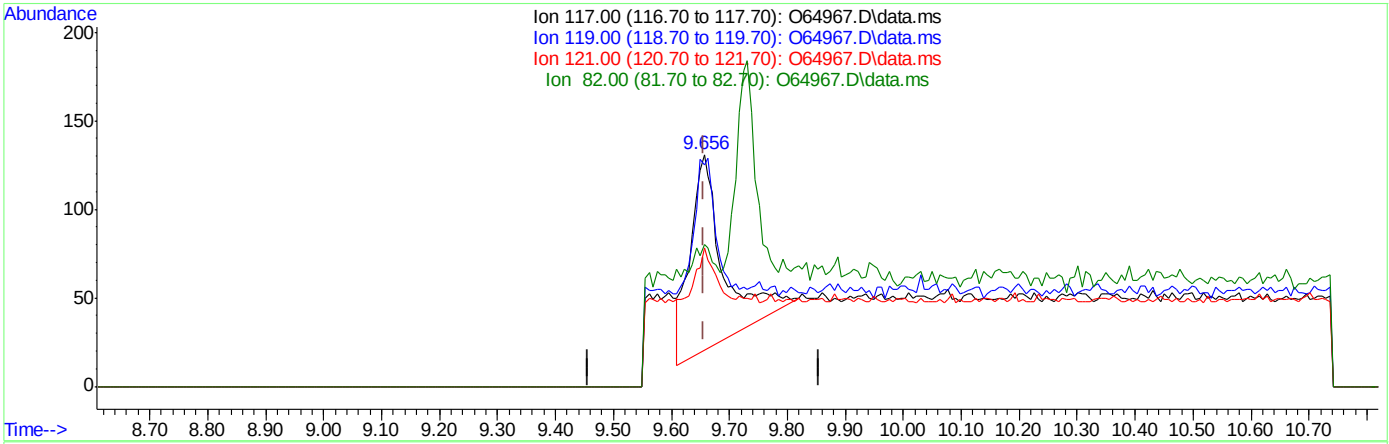
response 3219

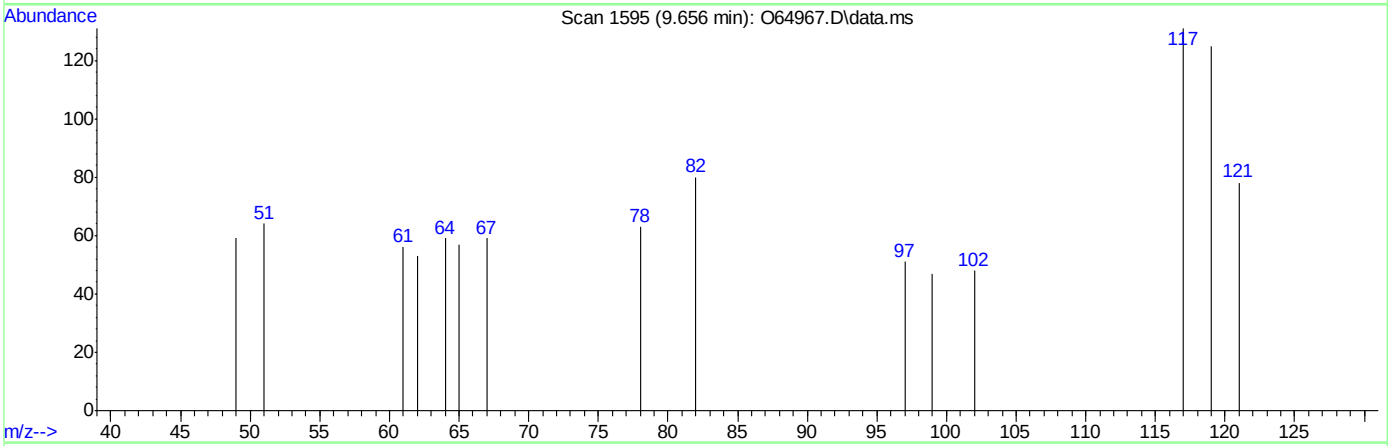
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.89
47.00	35.10	32.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 07:52:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64967.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.05ug/L

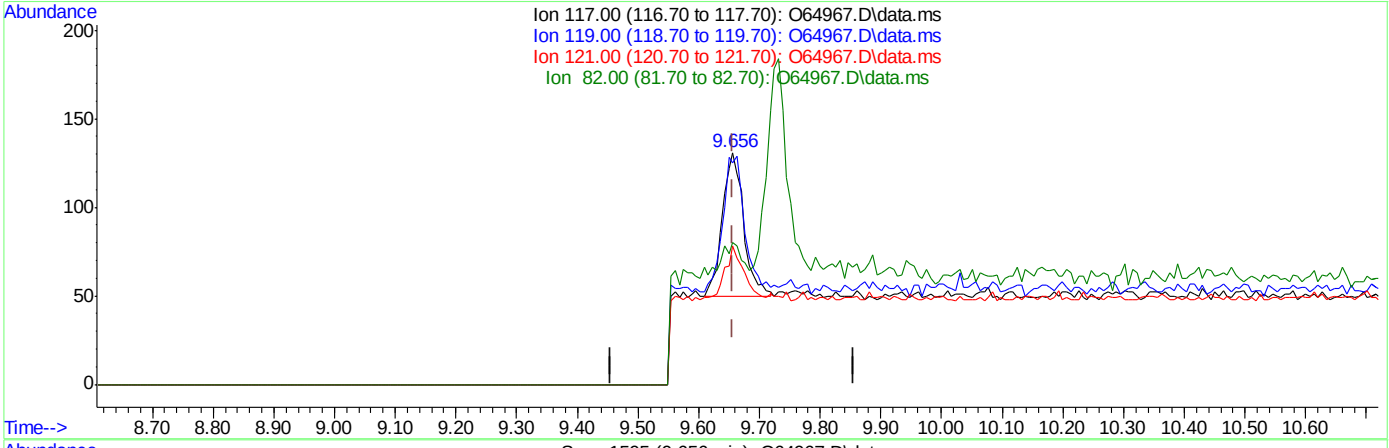
response 442

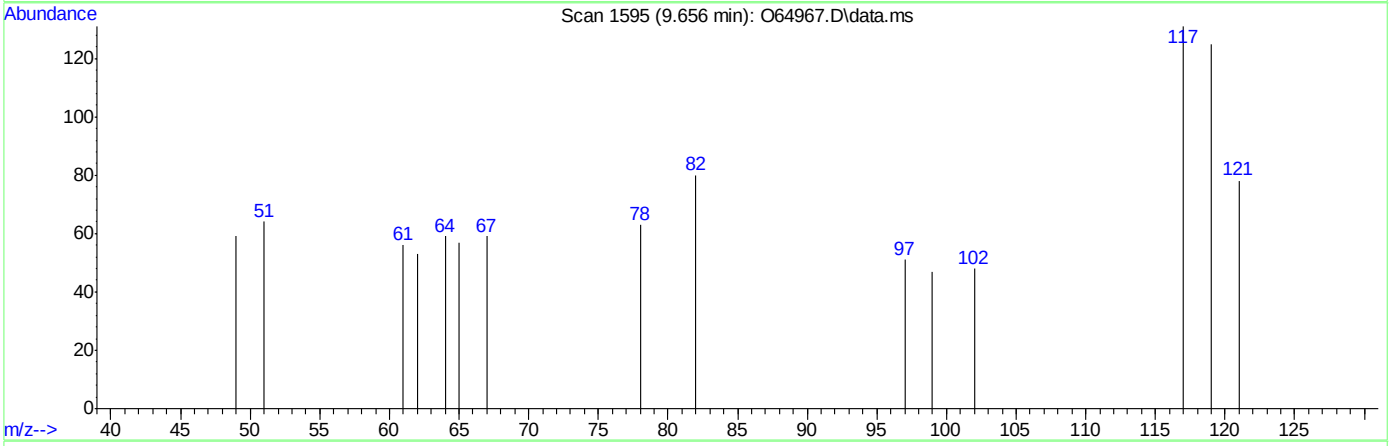
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	90.12
121.00	31.10	35.80
82.00	24.20	17.28

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64967.D
Acq On : 4 Sep 2021 11:18 am
Operator : CHARLENG
Sample : FA88610-2 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 07:52:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64967.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.02ug/L m

response 195

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.42
121.00	31.10	59.54
82.00	24.20	61.07#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 08:35:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

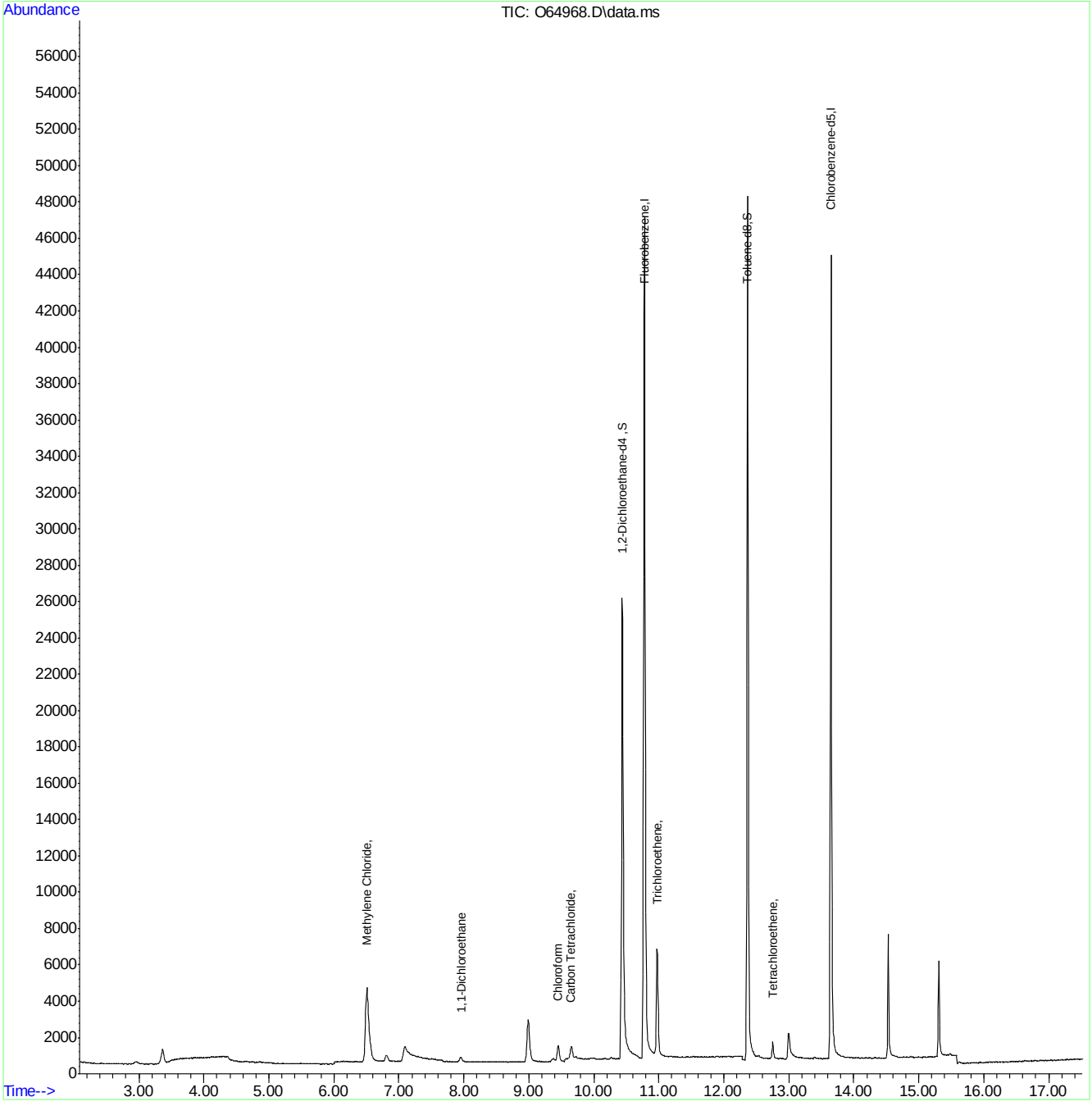
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55647	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	38427	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26456	5.58	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.60%			
19) Toluene-d8	12.367	98	42938	5.09	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	5632	0.07	ug/L	94
7) 1,1-Dichloroethane	7.956	63	432	0.03	ug/L	93
9) Chloroform	9.450	83	1052m	0.08	ug/L	
10) Carbon Tetrachloride	9.650	117	640m	0.08	ug/L	
15) Trichloroethene	10.974	95	2924	0.40	ug/L	93
21) Tetrachloroethene	12.752	166	388	0.07	ug/L	82

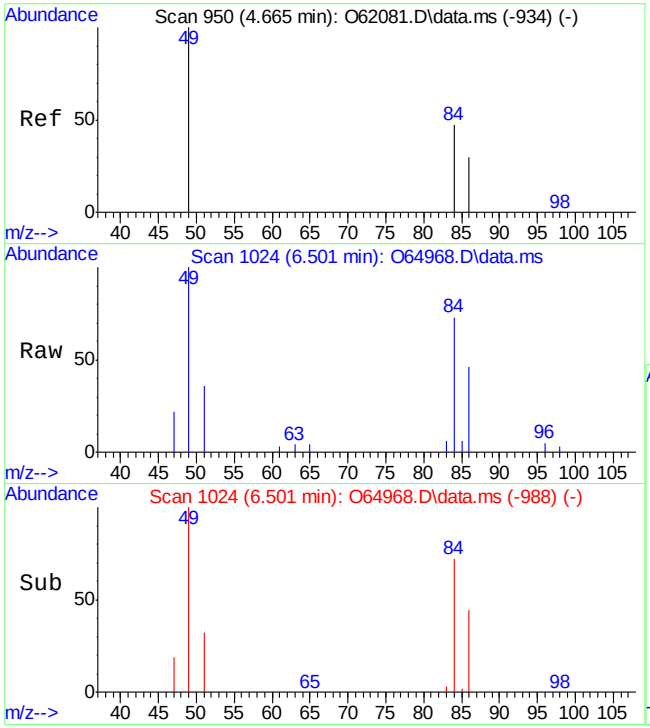
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 08:35:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

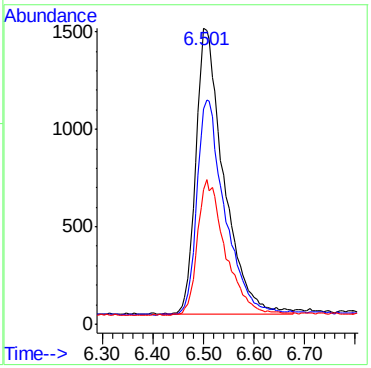


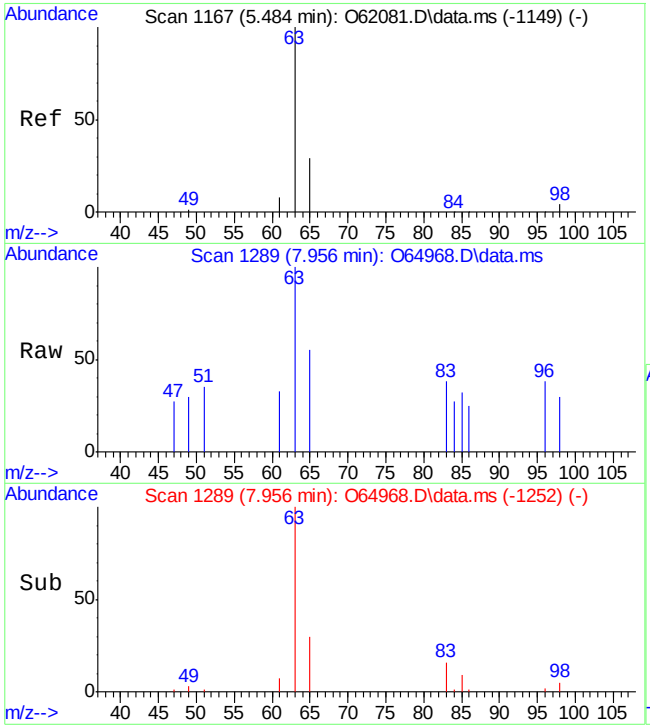


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion: 49 Resp: 5632

Ion	Ratio	Lower	Upper
49	100		
84	72.0	35.5	95.5
86	43.9	12.8	72.8

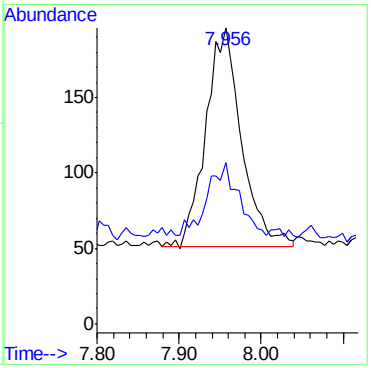


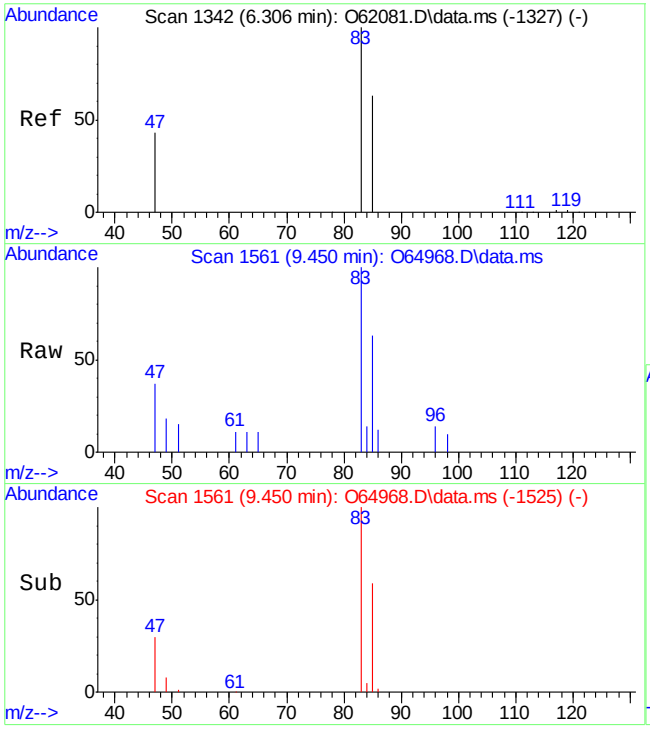


#7
1,1-Dichloroethane
Concen: 0.03 ug/L
RT: 7.956 min Scan# 1289
Delta R.T. 0.005 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion: 63 Resp: 432

Ion	Ratio	Lower	Upper
63	100		
65	33.1	0.0	59.6

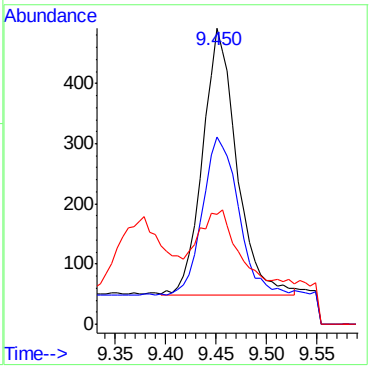


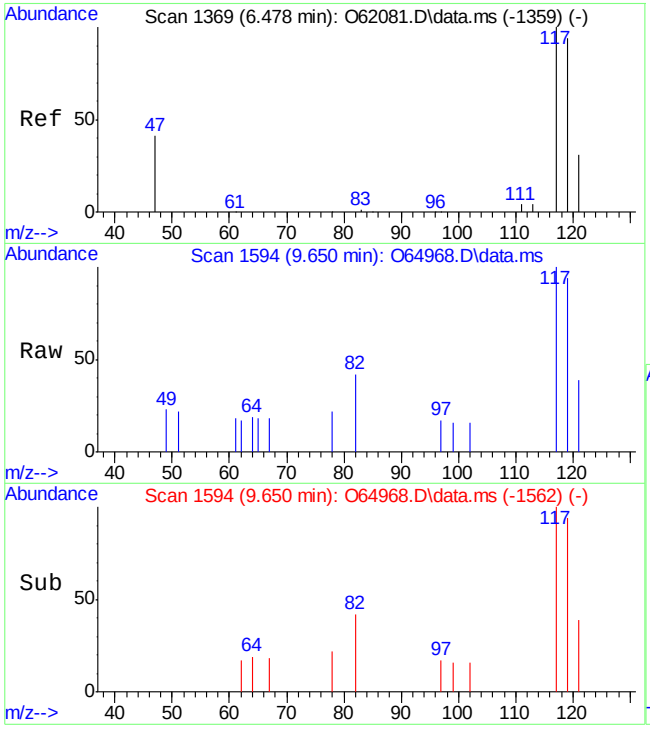


#9
Chloroform
Concen: 0.08 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion: 83 Resp: 1052

Ion	Ratio	Lower	Upper
83	100		
85	63.2	33.7	93.7
47	37.2	5.1	65.1

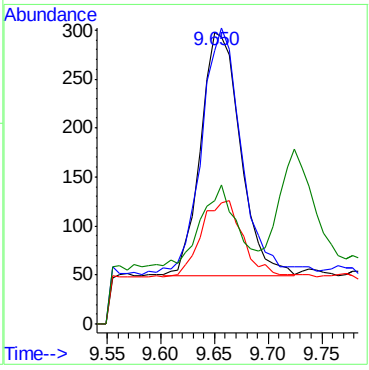


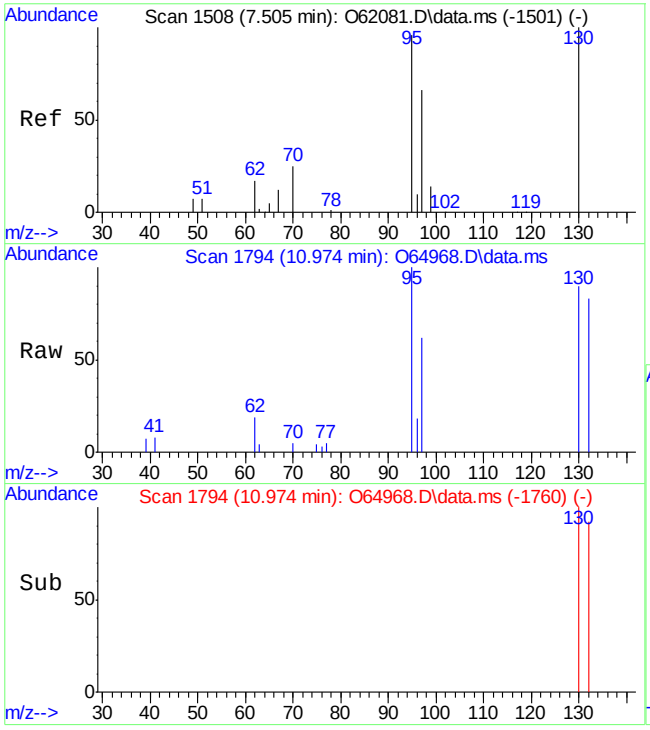


#10
Carbon Tetrachloride
Concen: 0.08 ug/L m
RT: 9.650 min Scan# 1594
Delta R.T. -0.006 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion:117 Resp: 640

Ion	Ratio	Lower	Upper
117	100		
119	93.9	68.2	128.2
121	39.1	1.1	61.1
82	42.4	0.0	54.2

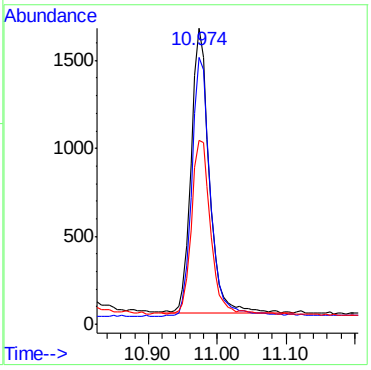


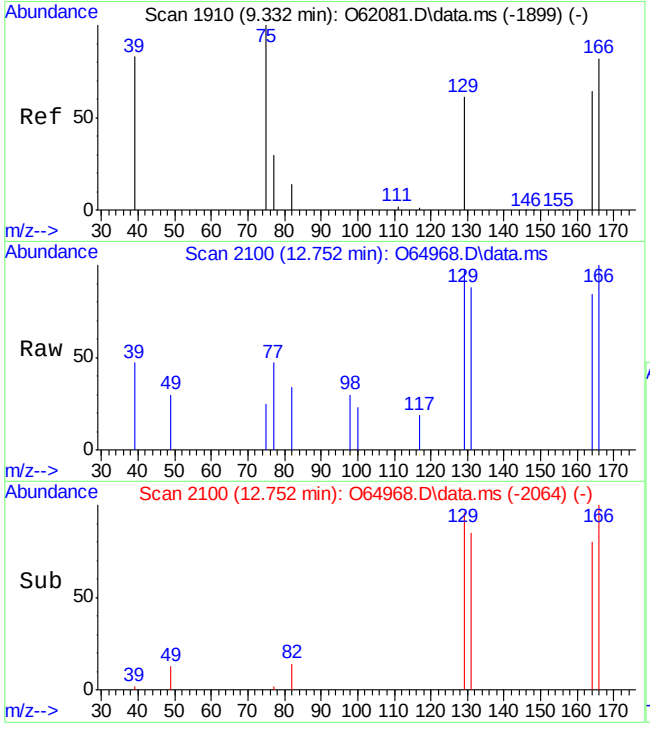


#15
Trichloroethene
Concen: 0.40 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion: 95 Resp: 2924

Ion	Ratio	Lower	Upper
95	100		
130	91.0	69.9	129.9
97	61.2	34.0	94.0

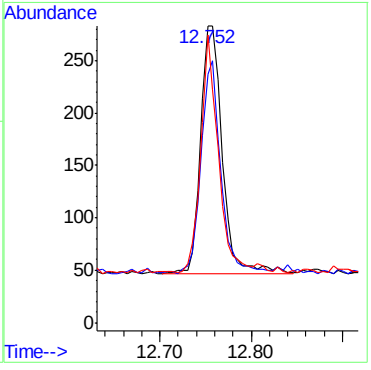




#21
Tetrachloroethene
Concen: 0.07 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O64968.D
Acq: 4 Sep 2021 11:41 am

Tgt Ion:166 Resp: 388

Ion	Ratio	Lower	Upper
166	100		
164	80.1	48.0	108.0
129	95.3	36.6	96.6



Manual Integration Approval Summary

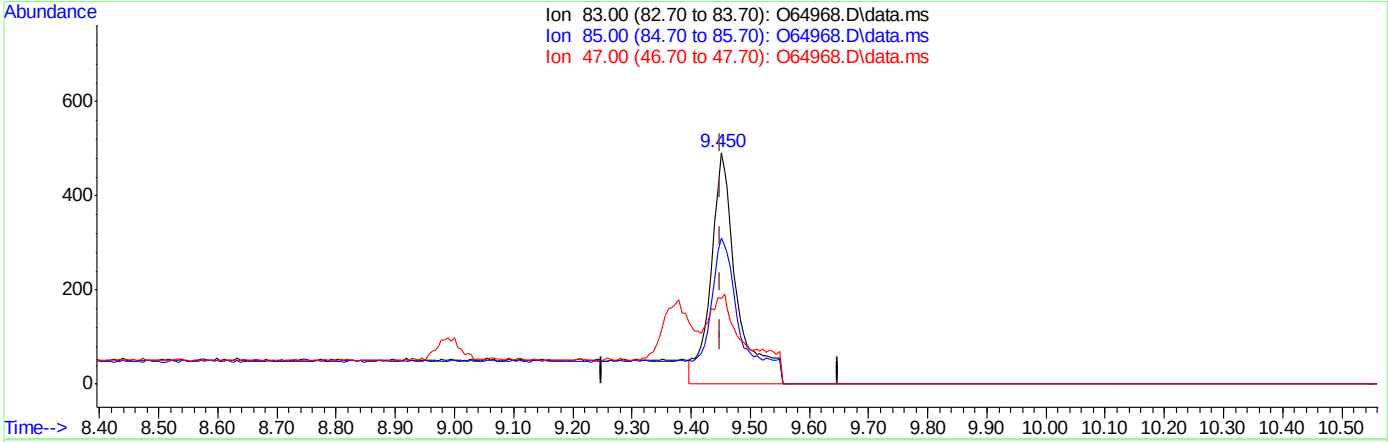
Sample Number: FA88610-3
Lab FileID: O64968.D
Injection Time: 09/04/21 11:41
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

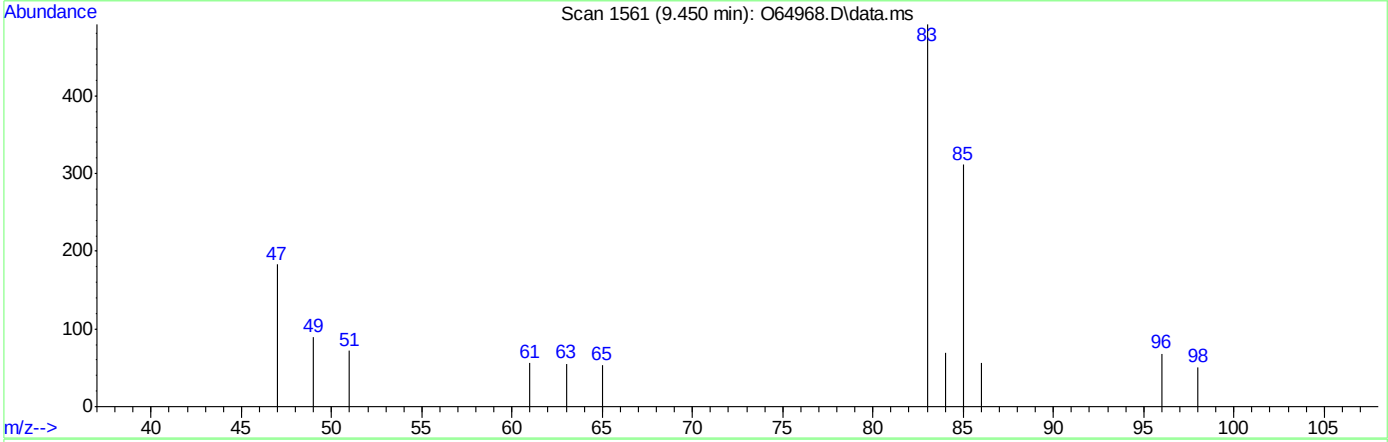
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.65	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 07:52:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64968.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L

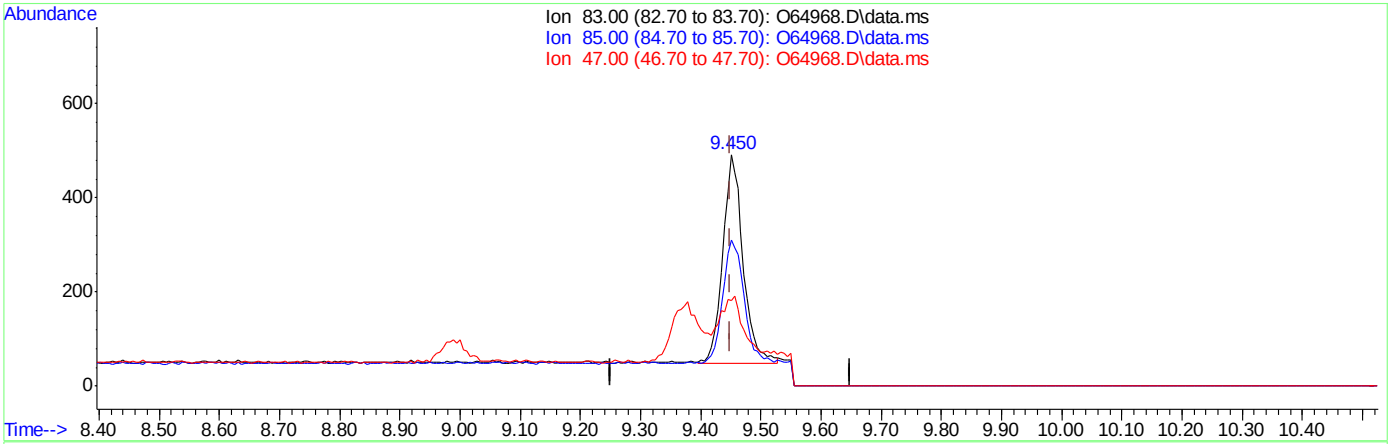
response 1525

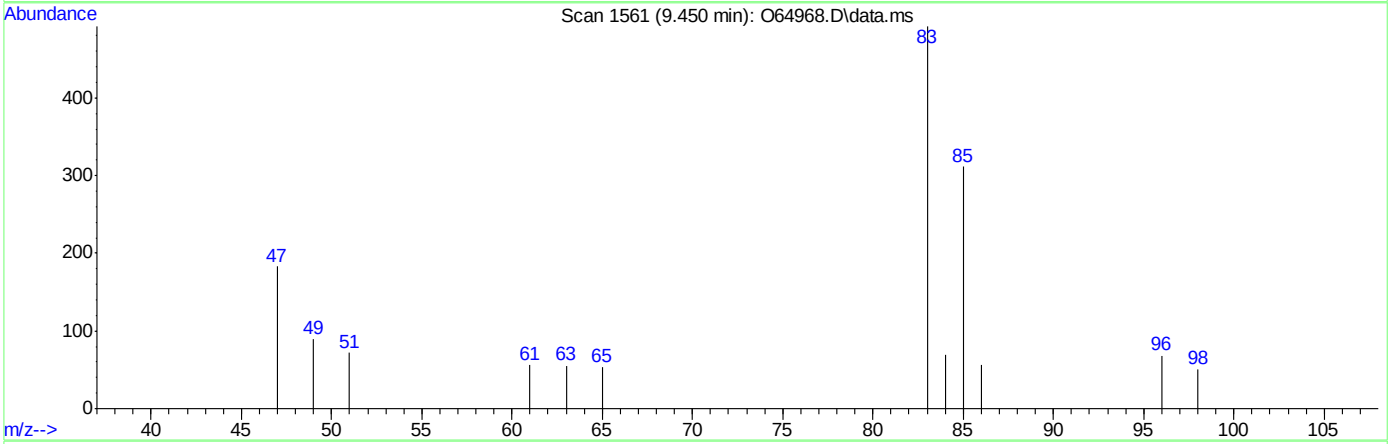
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.21
47.00	35.10	37.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 07:52:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64968.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.08ug/L m

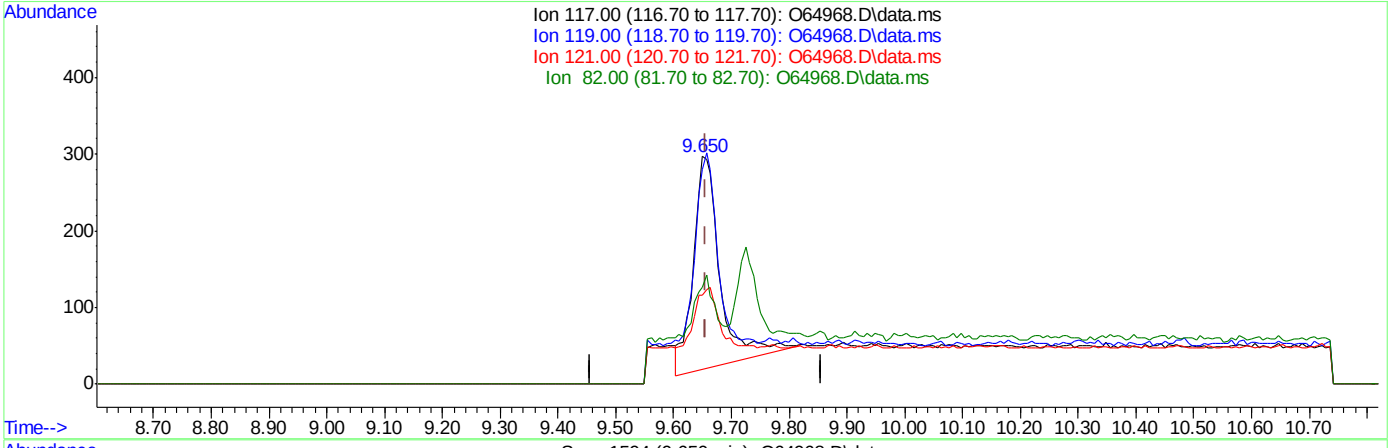
response 1052

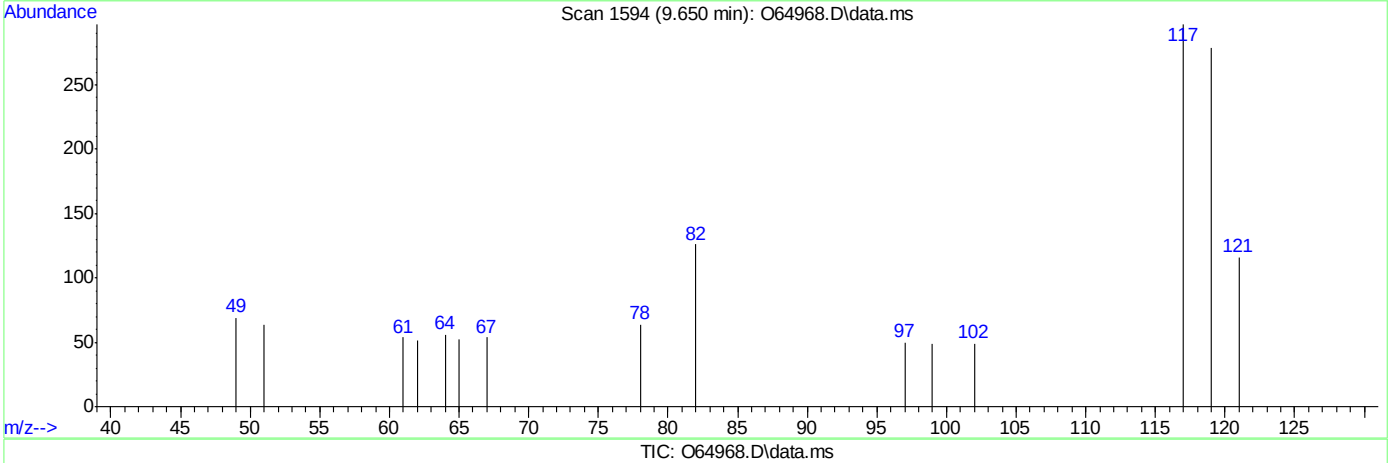
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.21
47.00	35.10	37.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 07:52:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64968.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.11ug/L

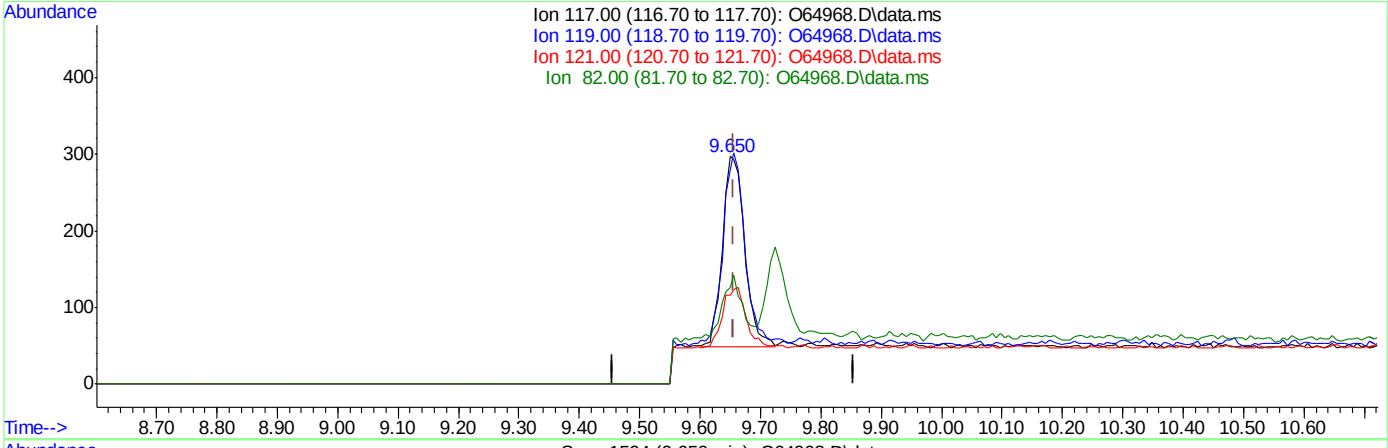
response 893

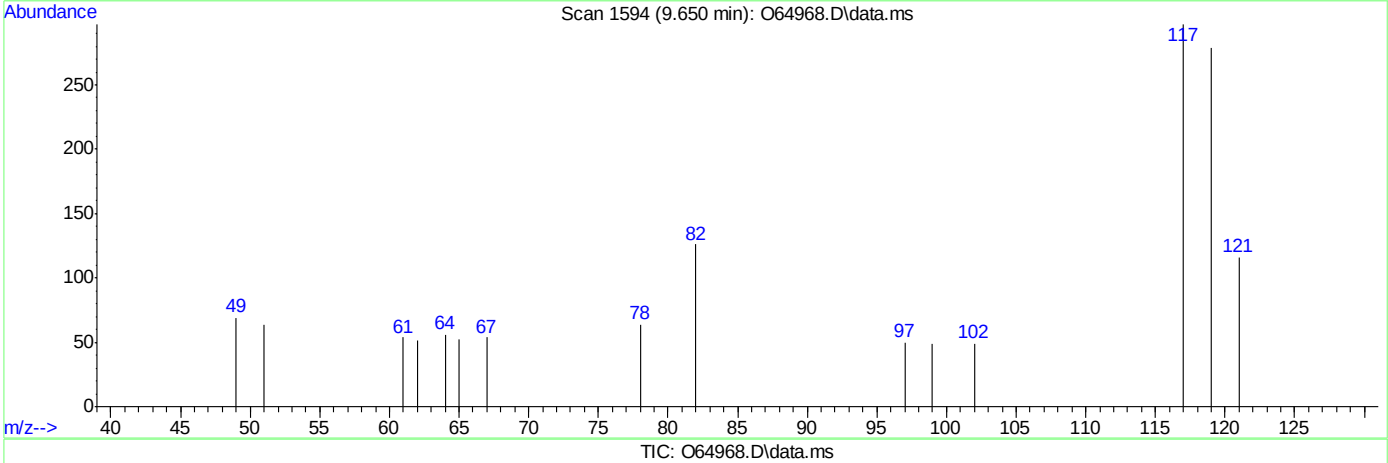
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	91.46
121.00	31.10	27.64
82.00	24.20	26.83

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64968.D
Acq On : 4 Sep 2021 11:41 am
Operator : CHARLENG
Sample : FA88610-3 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 07:52:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64968.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.08ug/L m

response 640

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.94
121.00	31.10	39.06
82.00	24.20	42.42

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64969.D
Acq On : 4 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : FA88610-4 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:35:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

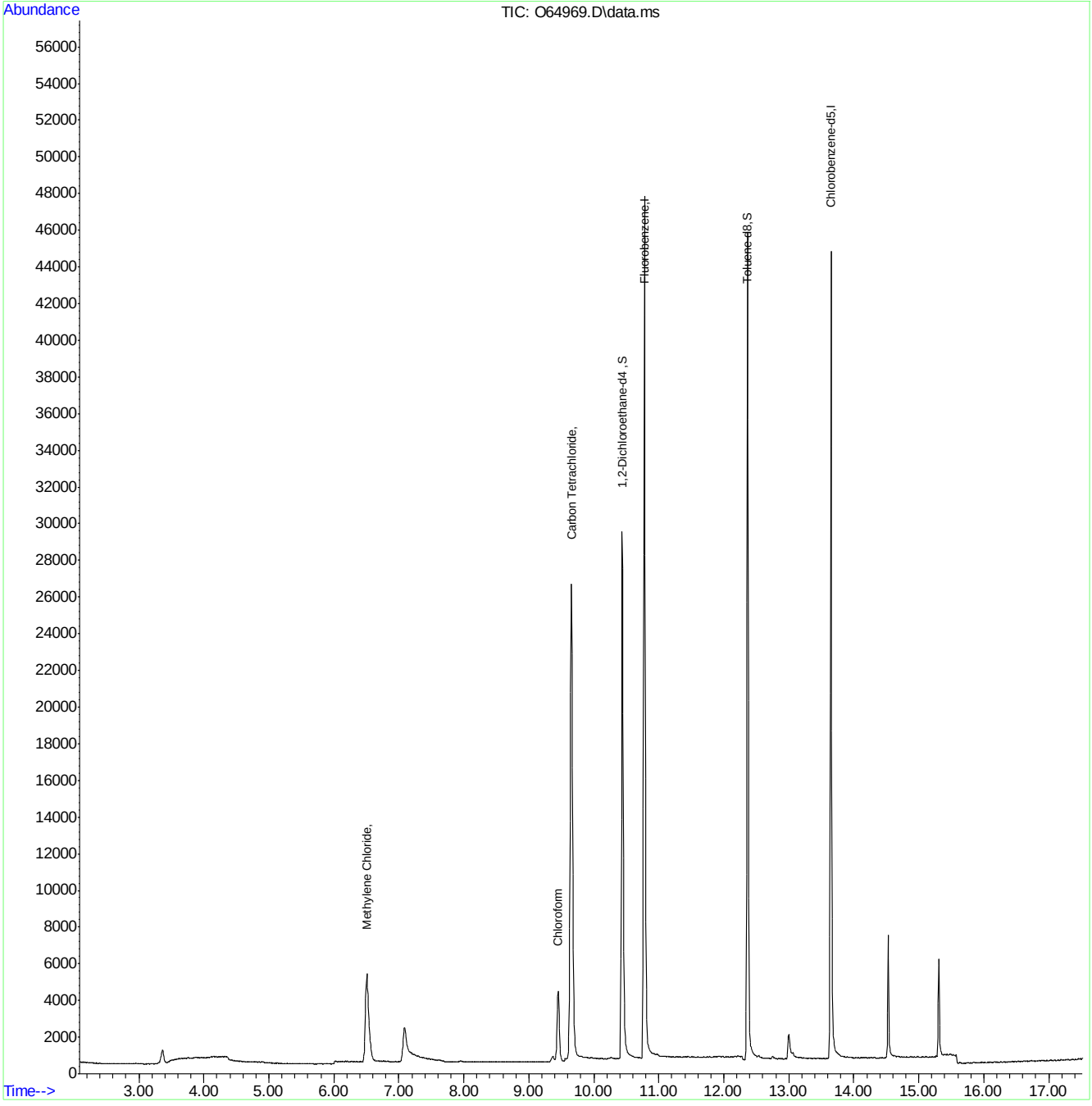
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55117	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37652	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27866	5.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 118.60%			
19) Toluene-d8	12.367	98	40923	4.95	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	6363	0.08	ug/L	92
9) Chloroform	9.450	83	4714m	0.36	ug/L	
10) Carbon Tetrachloride	9.656	117	25147	3.01	ug/L	97

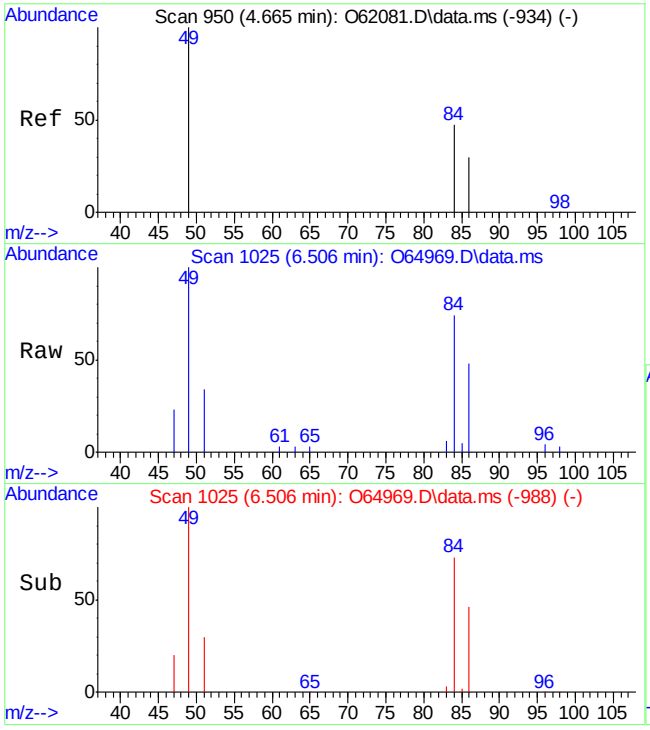
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64969.D
Acq On : 4 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : FA88610-4 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 08:35:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

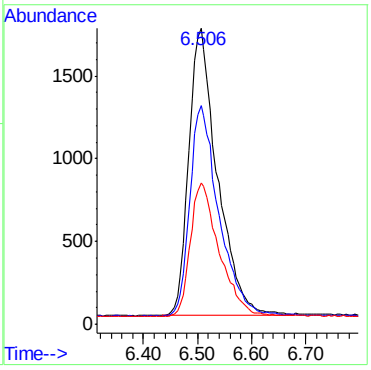


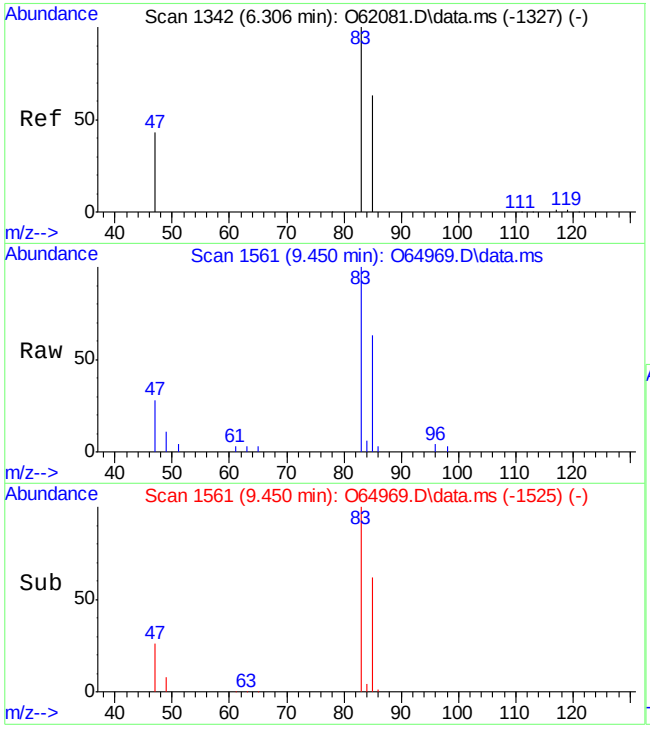


#5
Methylene Chloride
Concen: 0.08 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64969.D
Acq: 4 Sep 2021 12:04 pm

Tgt Ion: 49 Resp: 6363

Ion	Ratio	Lower	Upper
49	100		
84	73.1	35.5	95.5
86	46.6	12.8	72.8

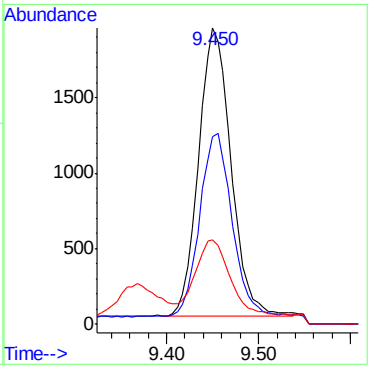


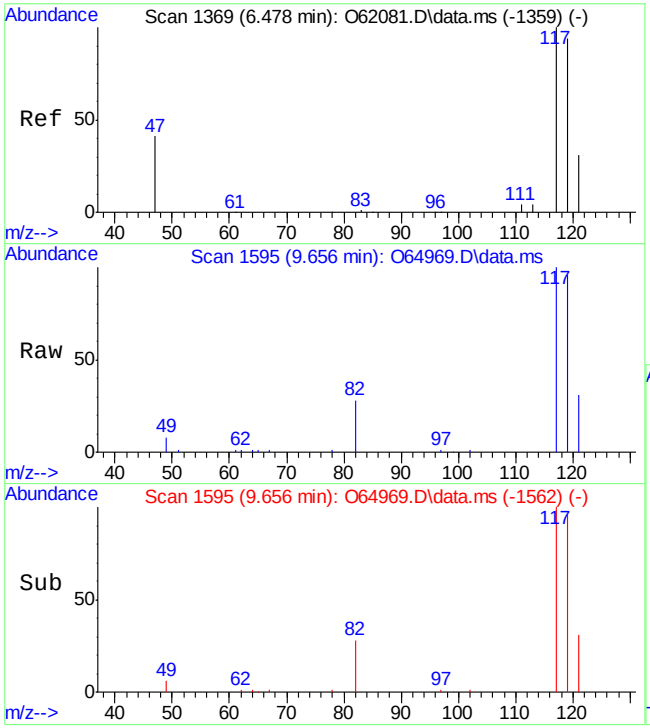


#9
Chloroform
Concen: 0.36 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64969.D
Acq: 4 Sep 2021 12:04 pm

Tgt Ion: 83 Resp: 4714

Ion	Ratio	Lower	Upper
83	100		
85	63.1	33.7	93.7
47	28.3	5.1	65.1

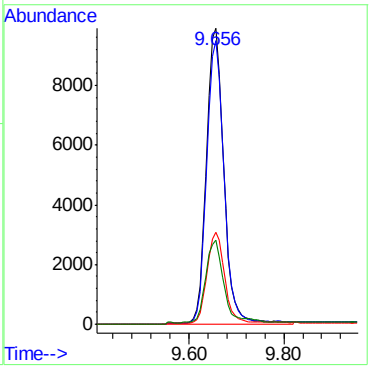




#10
Carbon Tetrachloride
Concen: 3.01 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64969.D
Acq: 4 Sep 2021 12:04 pm

Tgt Ion:117 Resp: 25147

Ion	Ratio	Lower	Upper
117	100		
119	95.9	68.2	128.2
121	31.2	1.1	61.1
82	28.4	0.0	54.2



Manual Integration Approval Summary

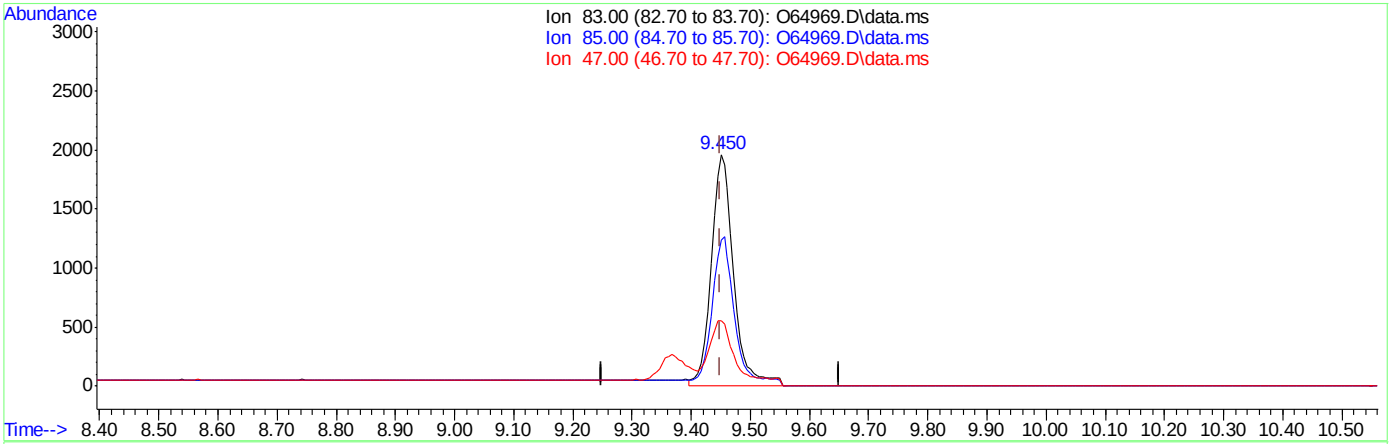
Sample Number:	FA88610-4	**Method:**	SW846 8260B BY SIM
Lab FileID:	O64969.D	**Analyst approved:**	09/07/21 09:04 Charlene Gonzalez
Injection Time:	09/04/21 12:04	**Supervisor approved:**	09/08/21 14:26 Chelsea VanDenBurg

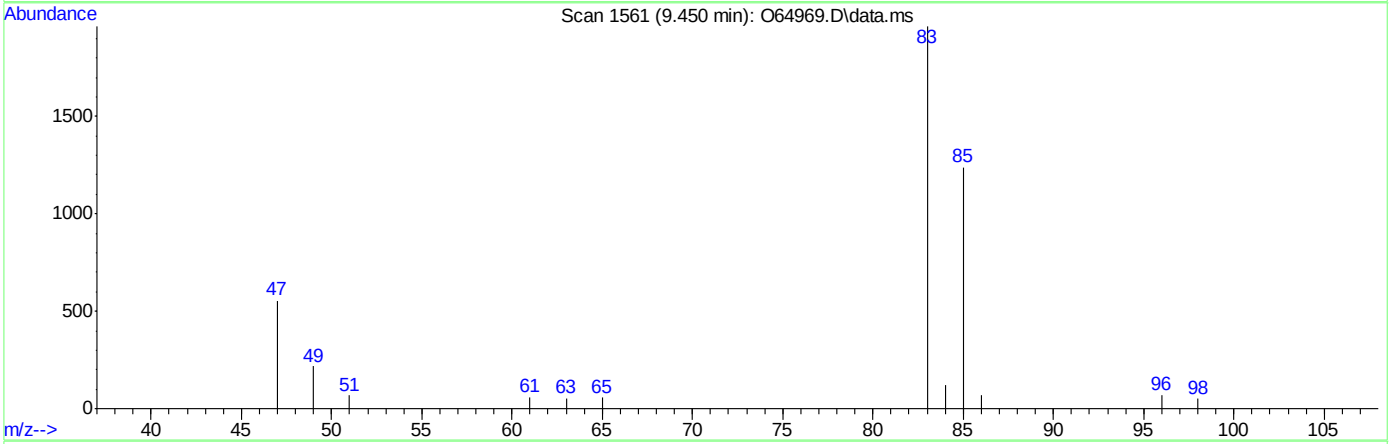
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64969.D
Acq On : 4 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : FA88610-4 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 07:52:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64969.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.40ug/L

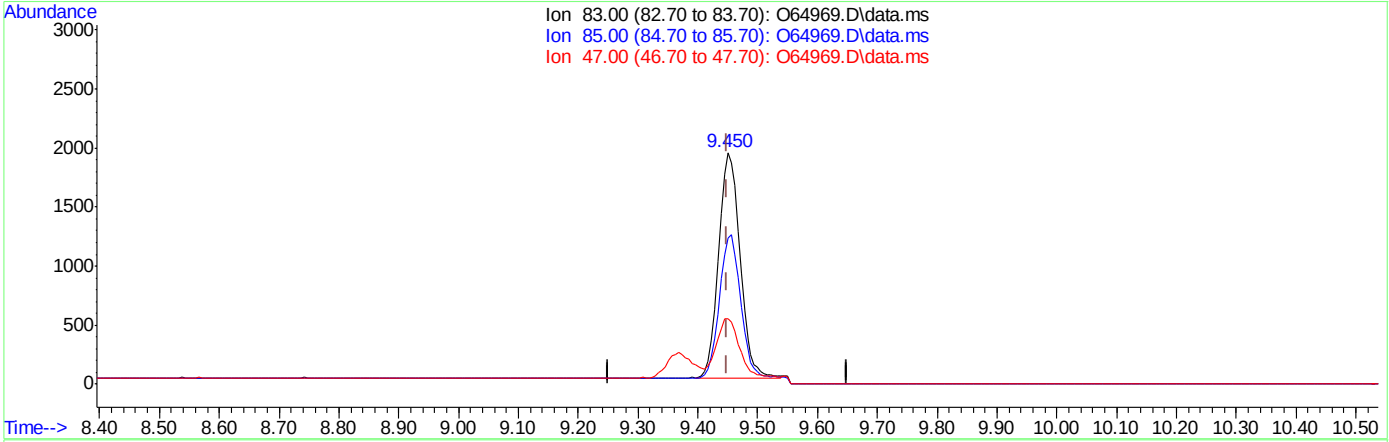
response 5219

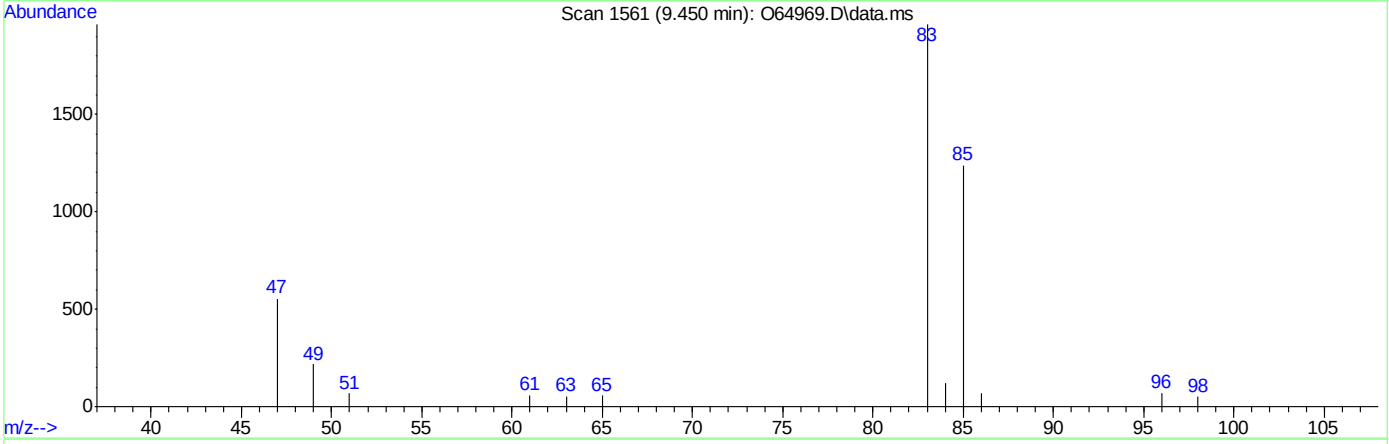
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.15
47.00	35.10	28.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64969.D
Acq On : 4 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : FA88610-4 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 07:52:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64969.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.36ug/L m

response 4714

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.15
47.00	35.10	28.29
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 08:36:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

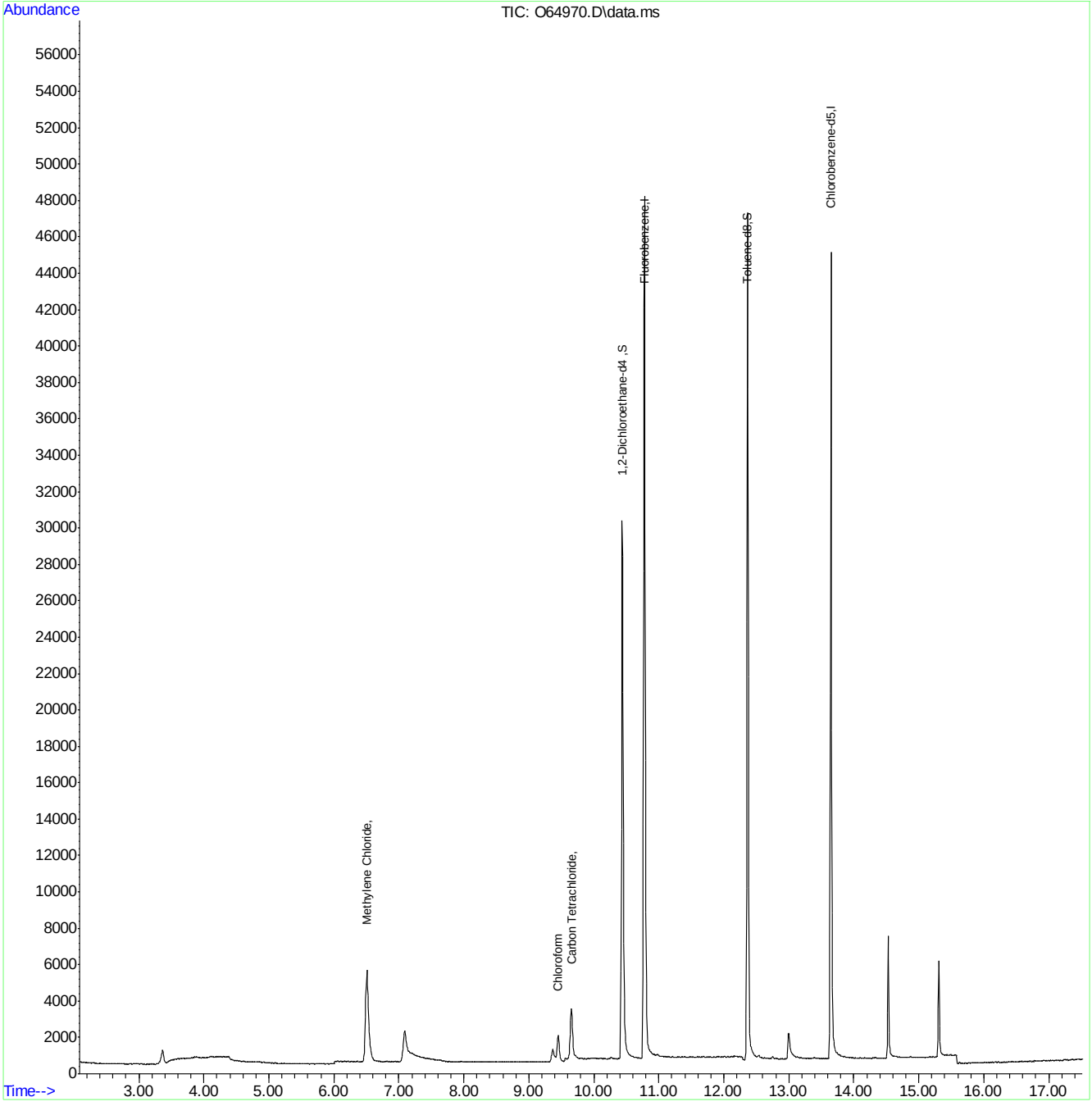
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55831	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	38116	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28636	6.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 120.40%			
19) Toluene-d8	12.367	98	41639	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	6103	0.07	ug/L	90
9) Chloroform	9.450	83	1623m	0.12	ug/L	
10) Carbon Tetrachloride	9.656	117	2635m	0.31	ug/L	

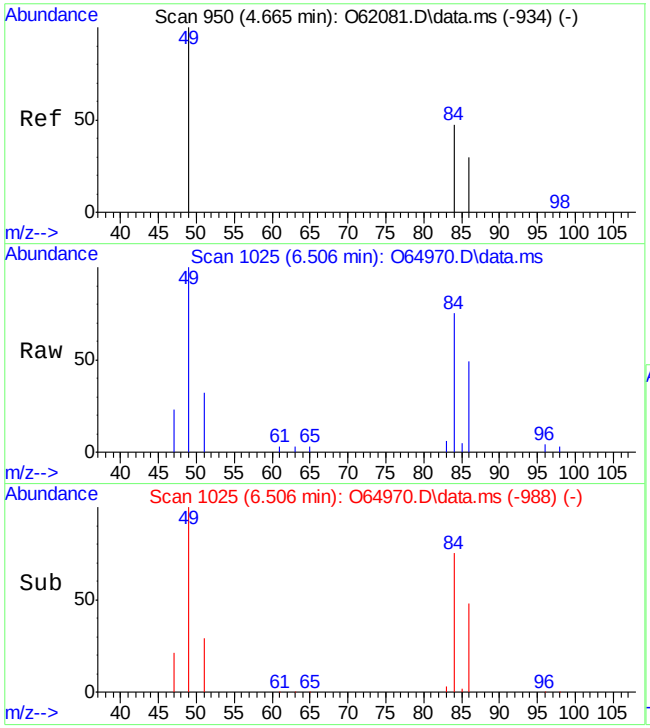
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 08:36:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

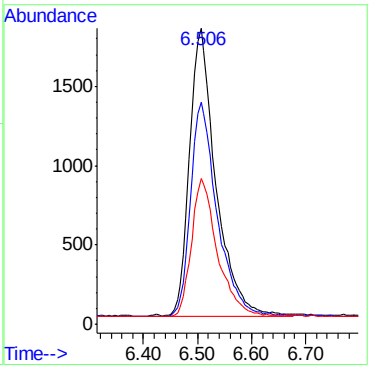


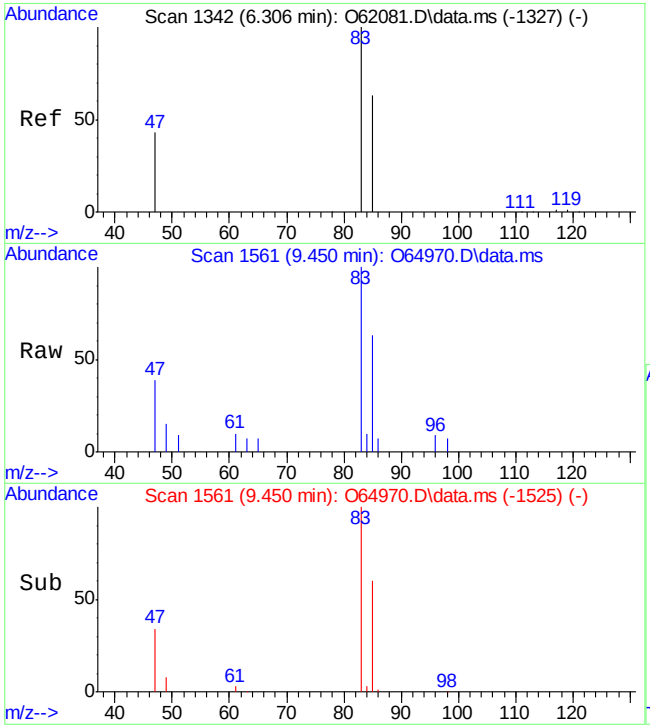


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64970.D
Acq: 4 Sep 2021 12:27 pm

Tgt Ion: 49 Resp: 6103

Ion	Ratio	Lower	Upper
49	100		
84	74.5	35.5	95.5
86	48.2	12.8	72.8

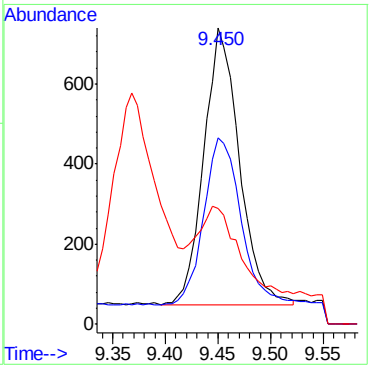


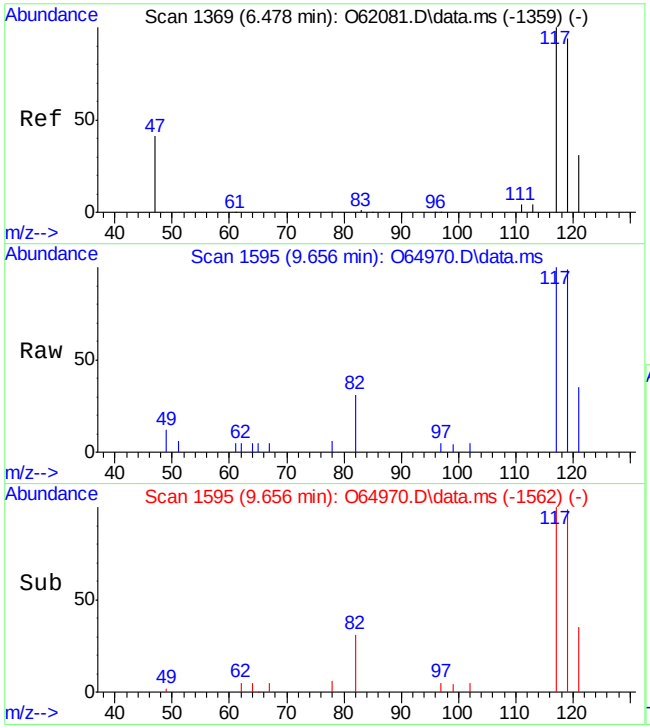


#9
Chloroform
Concen: 0.12 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64970.D
Acq: 4 Sep 2021 12:27 pm

Tgt Ion: 83 Resp: 1623

Ion	Ratio	Lower	Upper
83	100		
85	63.0	33.7	93.7
47	39.1	5.1	65.1

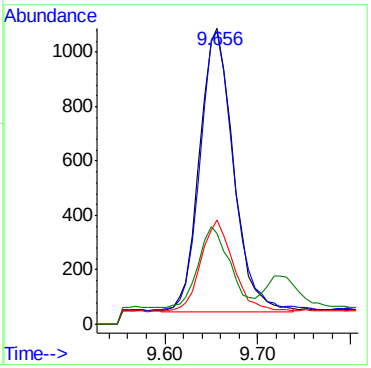




#10
Carbon Tetrachloride
Concen: 0.31 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64970.D
Acq: 4 Sep 2021 12:27 pm

Tgt Ion:117 Resp: 2635

Ion	Ratio	Lower	Upper
117	100		
119	98.8	68.2	128.2
121	35.2	1.1	61.1
82	30.7	0.0	54.2



Manual Integration Approval Summary

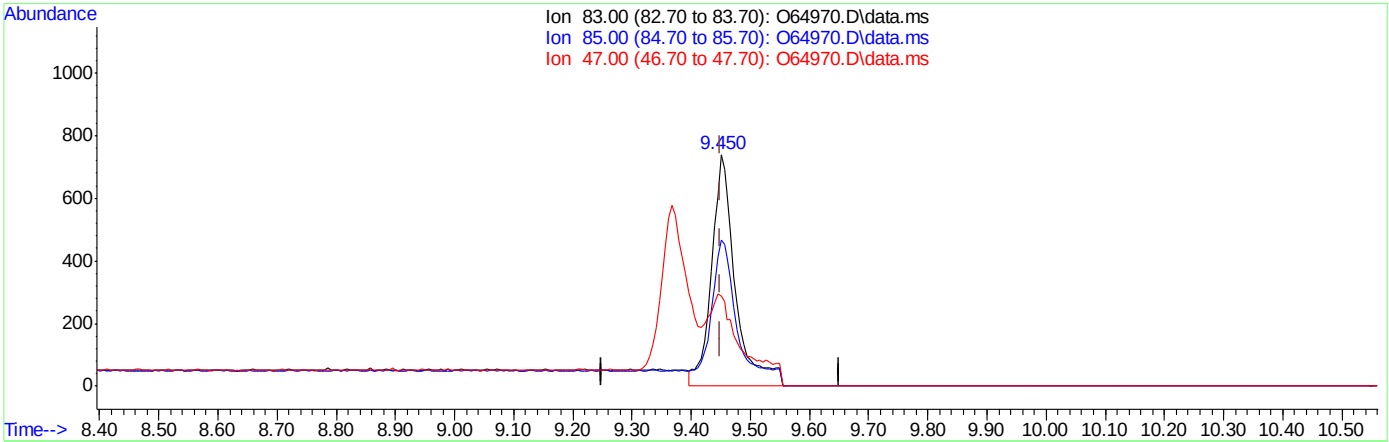
Sample Number: FA88610-5
Lab FileID: O64970.D
Injection Time: 09/04/21 12:27
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

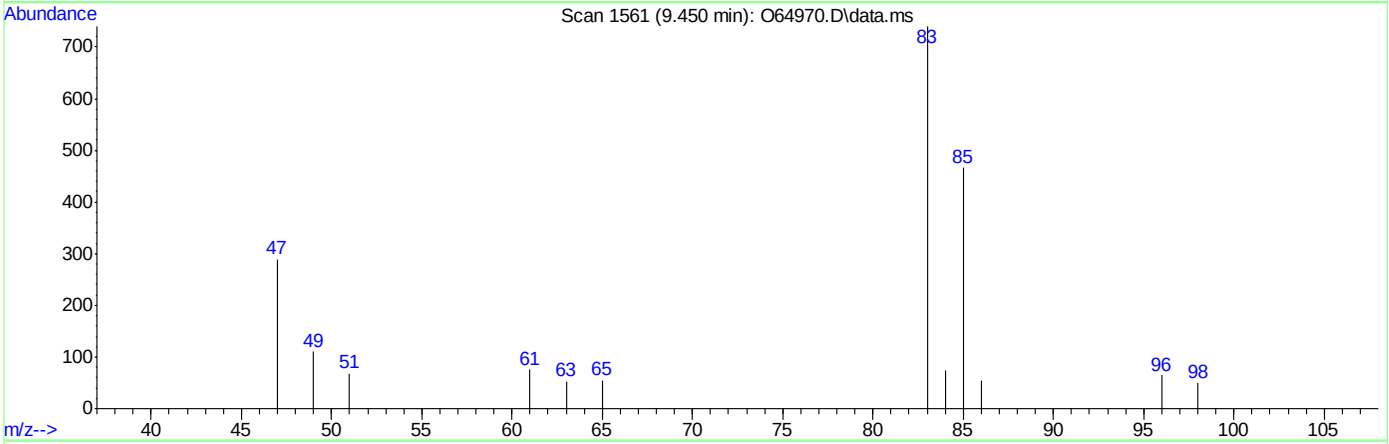
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 07:52:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64970.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.16ug/L

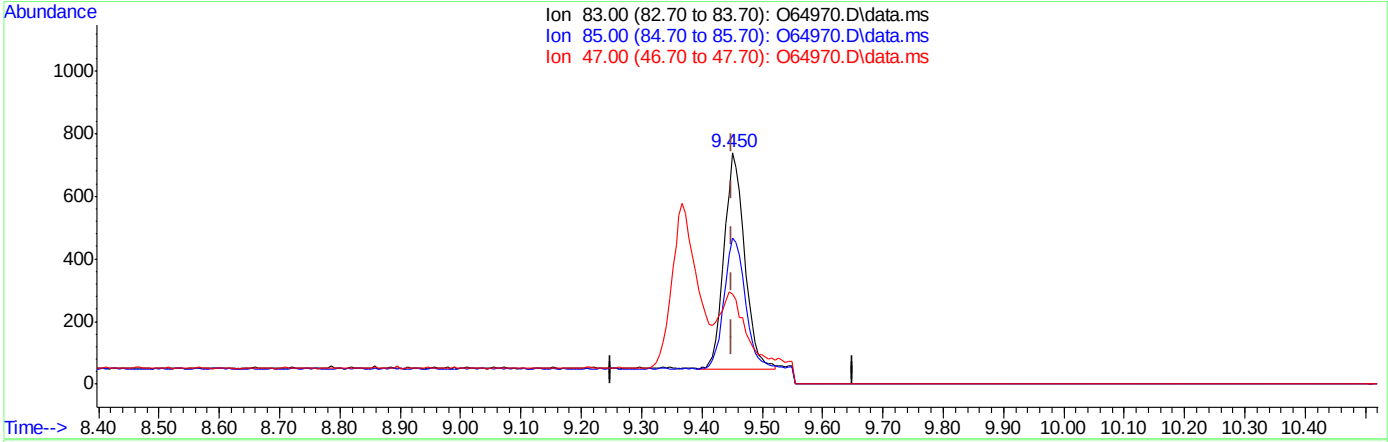
response 2100

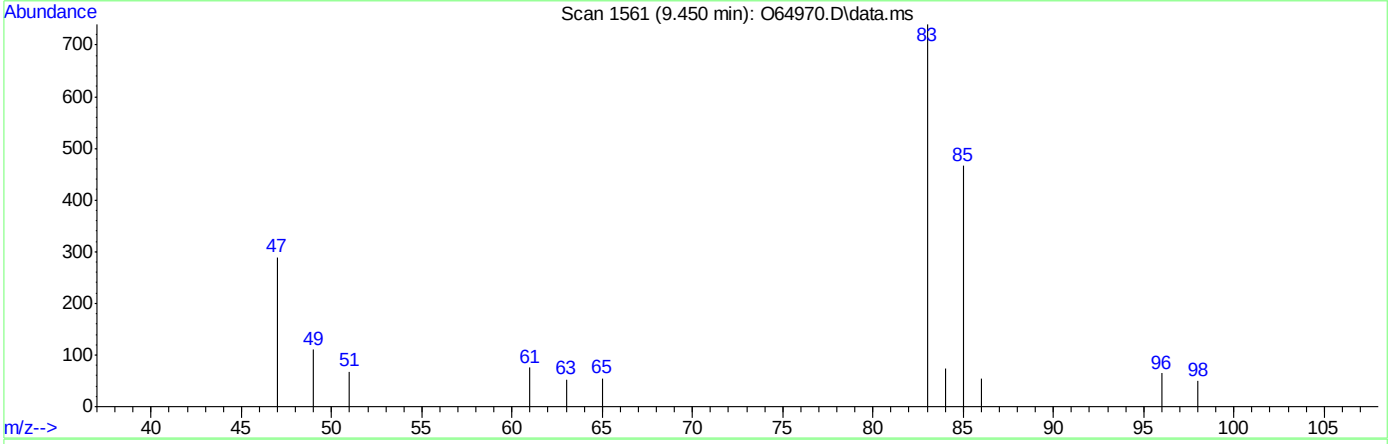
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.97
47.00	35.10	39.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 07:52:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64970.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L m

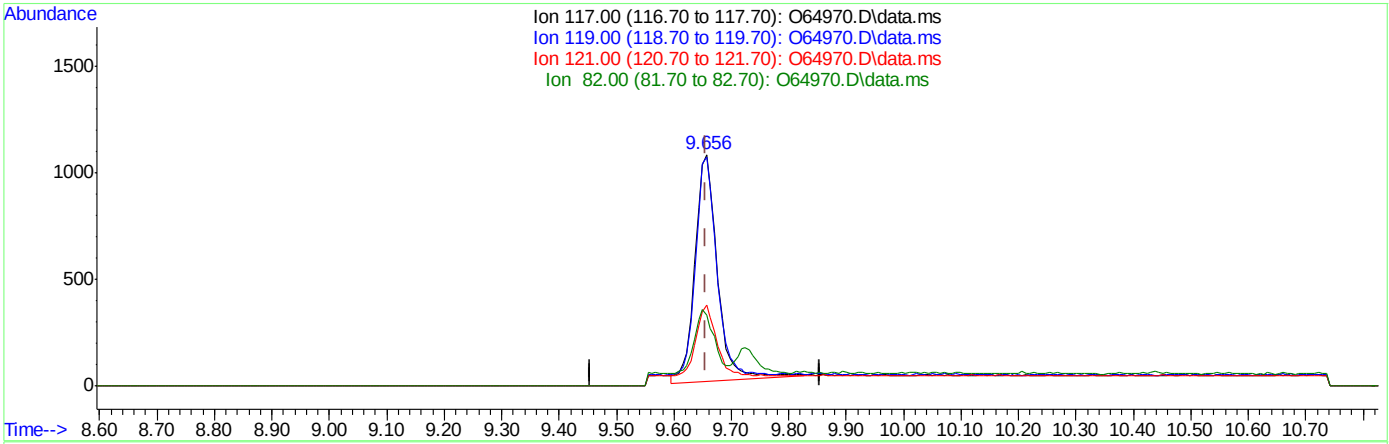
response 1623

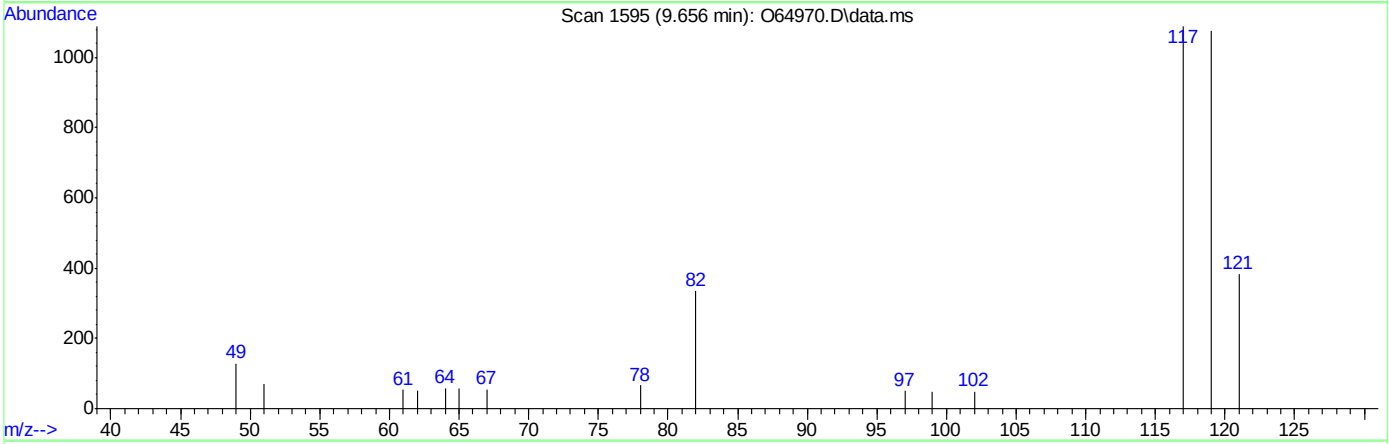
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.97
47.00	35.10	39.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 07:52:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64970.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.34ug/L

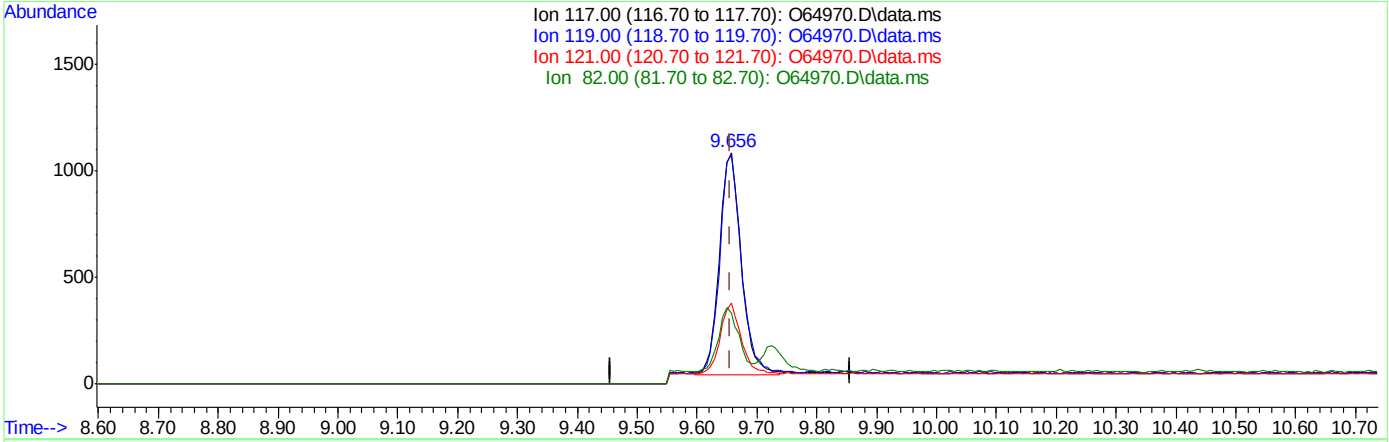
response 2896

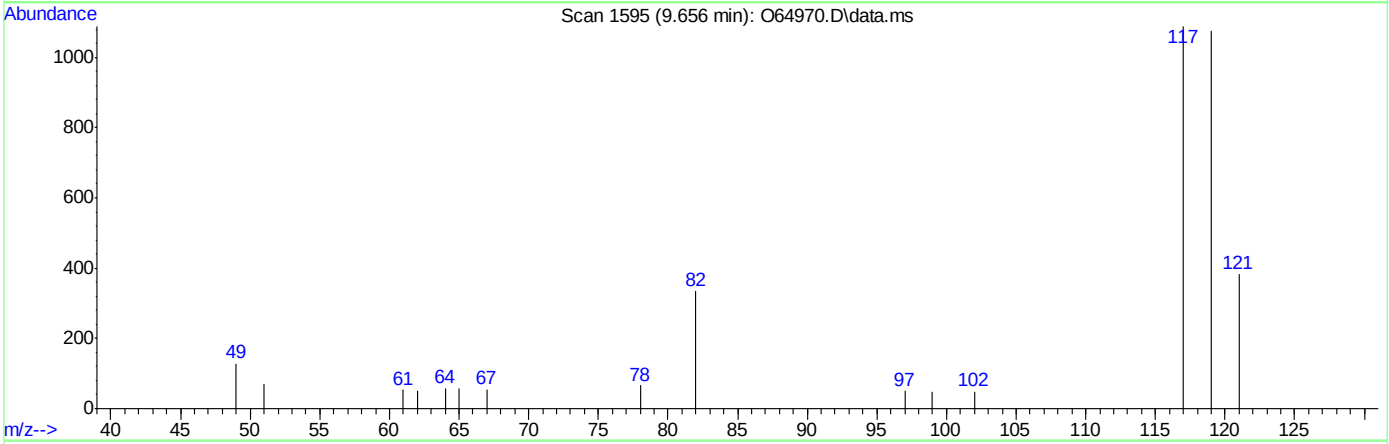
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.46
121.00	31.10	32.08
82.00	24.20	26.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64970.D
Acq On : 4 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : FA88610-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 07:52:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64970.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.31ug/L m

response 2635

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.81
121.00	31.10	35.20
82.00	24.20	30.70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65720.D
Acq On : 3 Sep 2021 11:27 am
Operator : CHARLENG
Sample : FA88610-6
Misc : MS49714,VZ2585,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 11:58:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

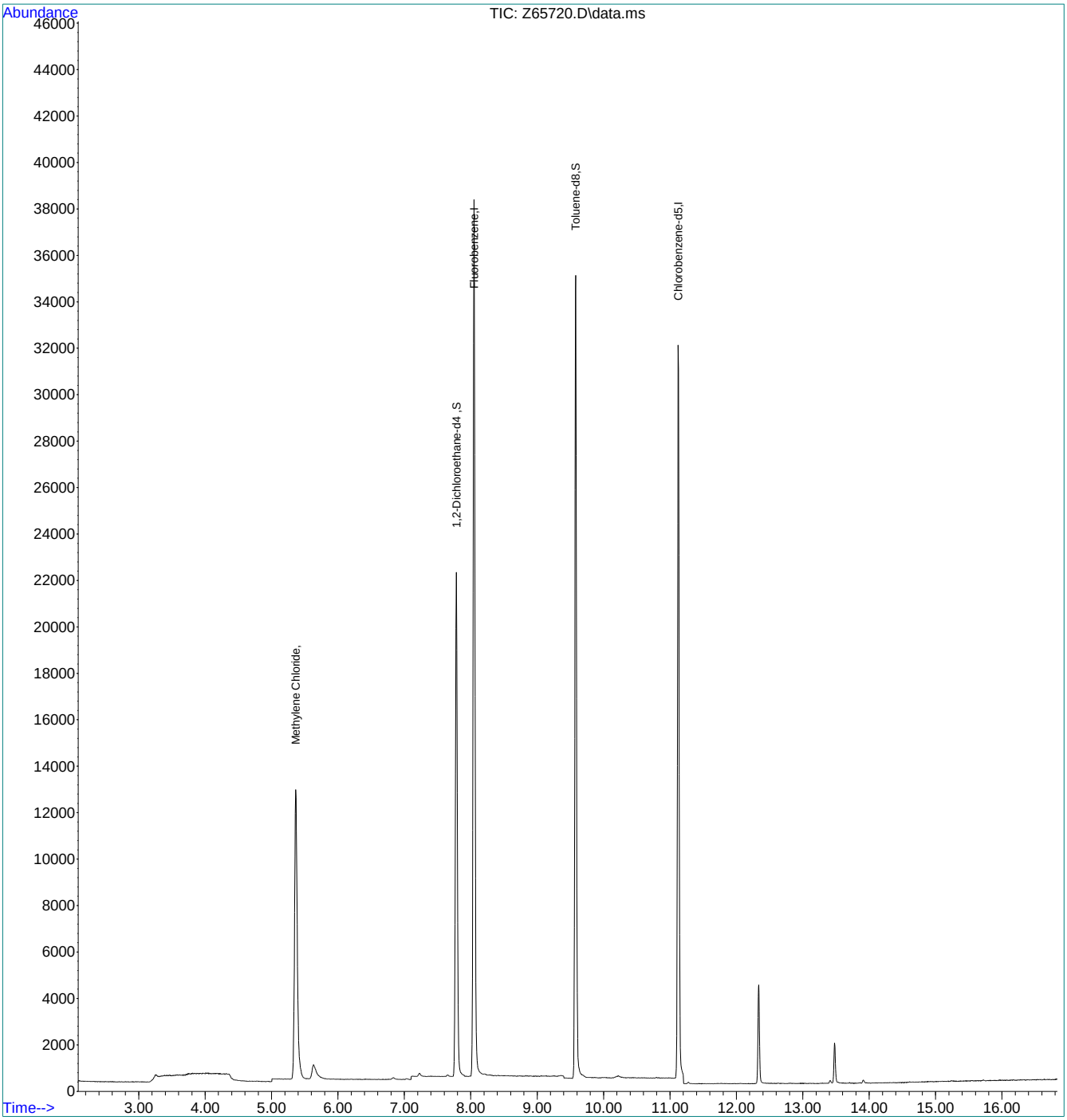
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	45027	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	32570	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	21214	5.48	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.60%			
19) Toluene-d8	9.582	98	36068	5.37	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 107.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	11983	1.63	ug/L	# 61

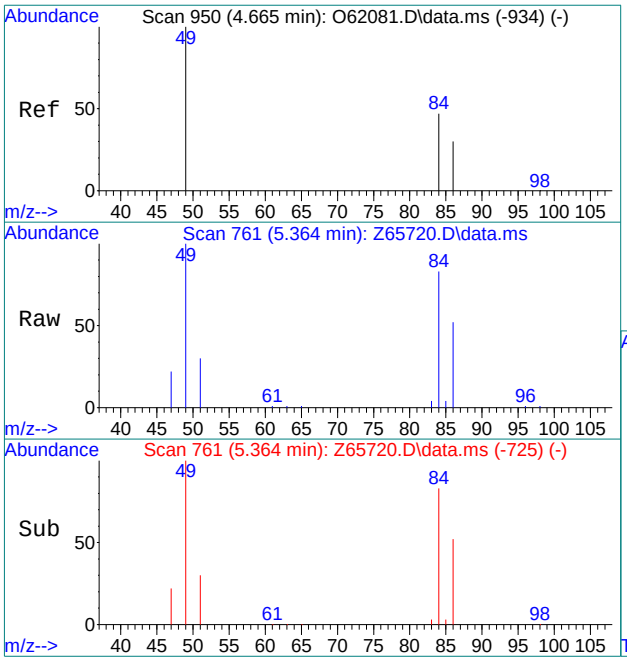
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65720.D
Acq On : 3 Sep 2021 11:27 am
Operator : CHARLENG
Sample : FA88610-6
Misc : MS49714,VZ2585,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 11:58:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

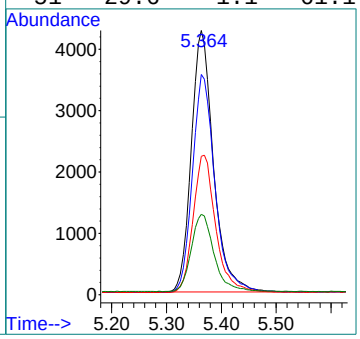




#5
Methylene Chloride
Concen: 1.63 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65720.D
Acq: 3 Sep 2021 11:27 am

Tgt Ion: 49 Resp: 11983

Ion	Ratio	Lower	Upper
49	100		
84	83.2	13.9	73.9#
86	51.9	0.0	58.0
51	29.6	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64971.D
Acq On : 4 Sep 2021 12:51 pm
Operator : CHARLENG
Sample : FA88610-7 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 08:36:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

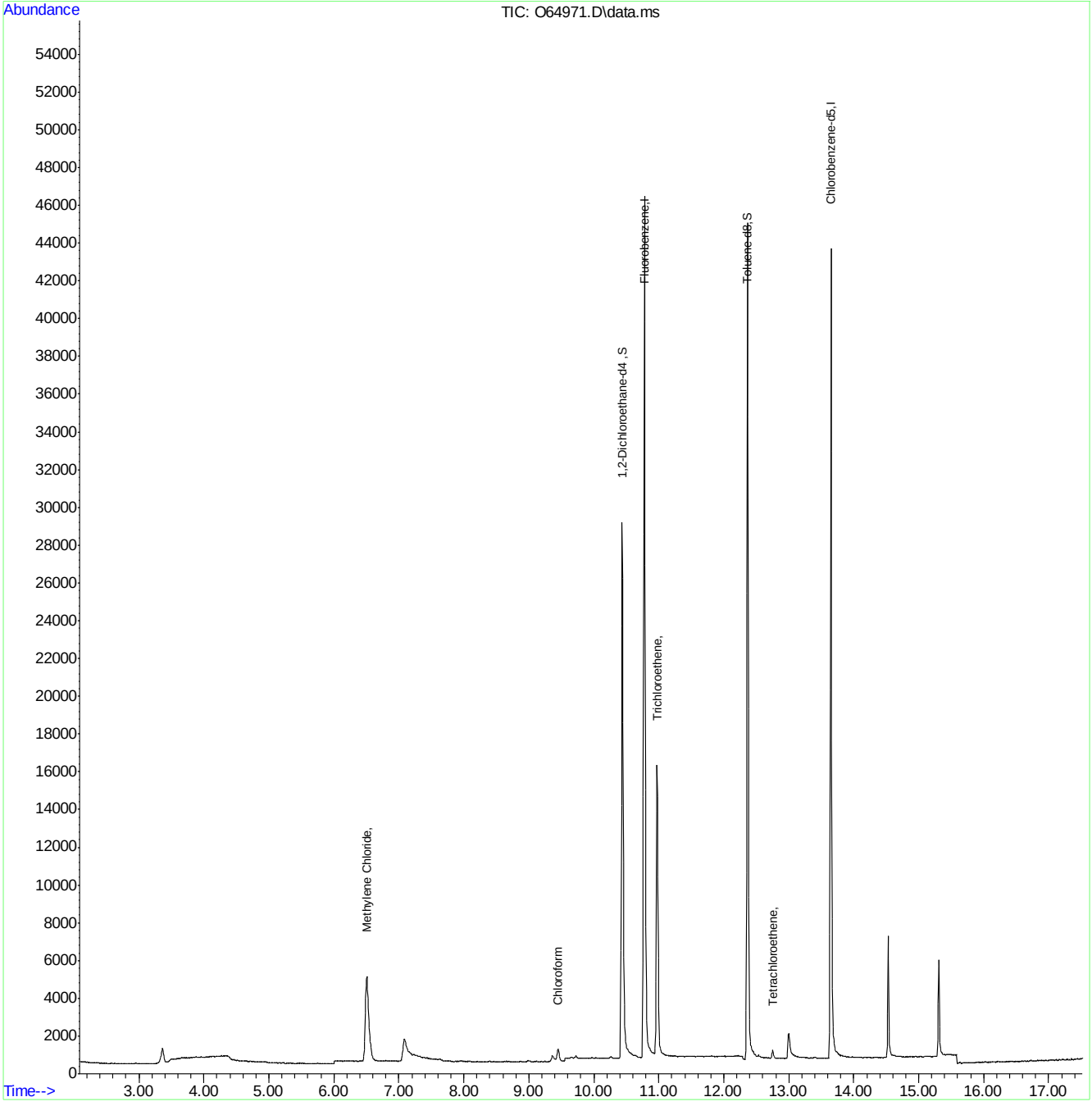
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	53650	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36784	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27494	6.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 120.20%			
19) Toluene-d8	12.367	98	40160	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	6082	0.08	ug/L	91
9) Chloroform	9.451	83	746m	0.06	ug/L	
15) Trichloroethene	10.974	95	7470	1.06	ug/L	93
21) Tetrachloroethene	12.758	166	191	0.03	ug/L	90

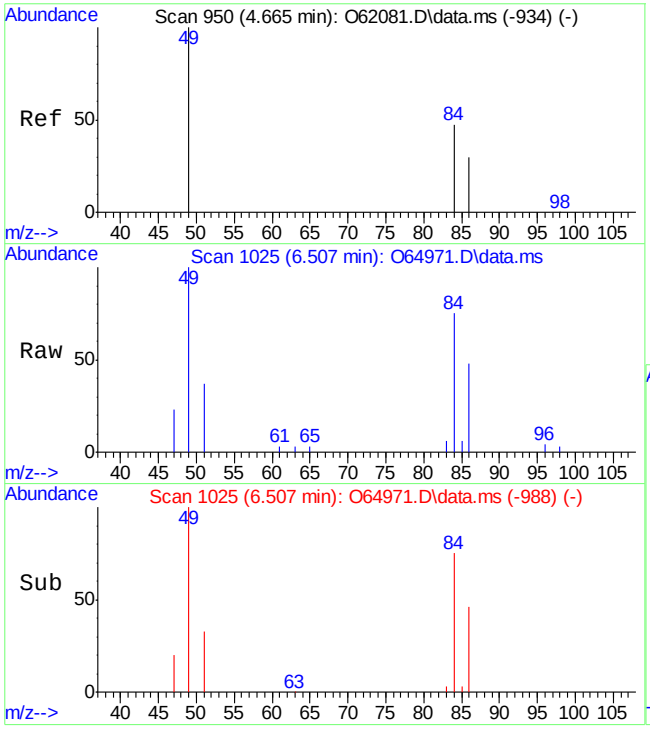
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64971.D
Acq On : 4 Sep 2021 12:51 pm
Operator : CHARLENG
Sample : FA88610-7 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 08:36:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

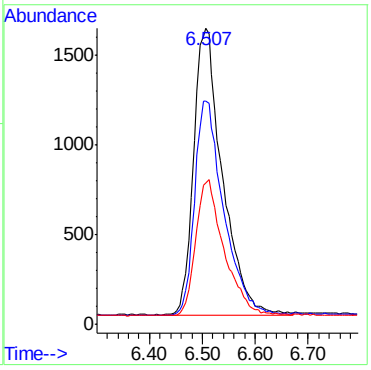


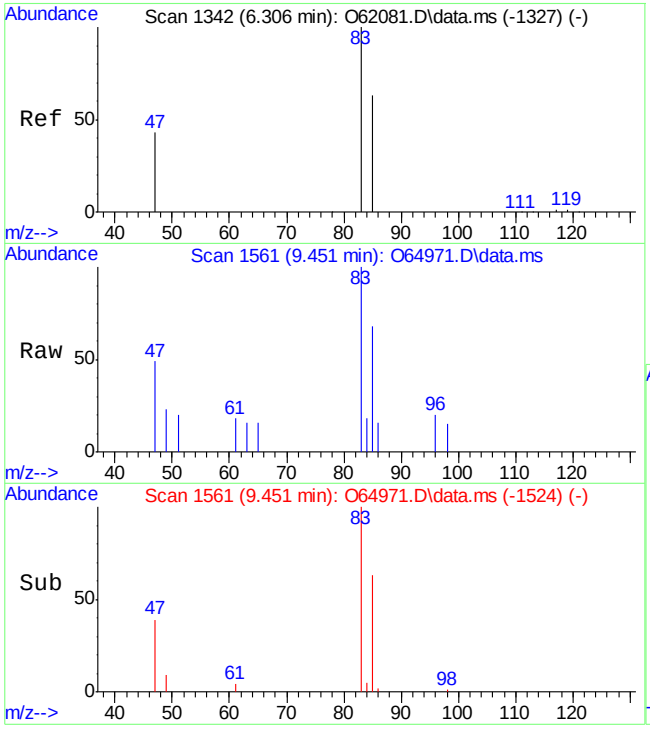


#5
Methylene Chloride
Concen: 0.08 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. 0.006 min
Lab File: O64971.D
Acq: 4 Sep 2021 12:51 pm

Tgt Ion: 49 Resp: 6082

Ion	Ratio	Lower	Upper
49	100		
84	74.5	35.5	95.5
86	46.3	12.8	72.8

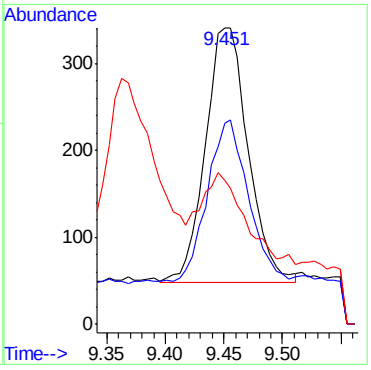


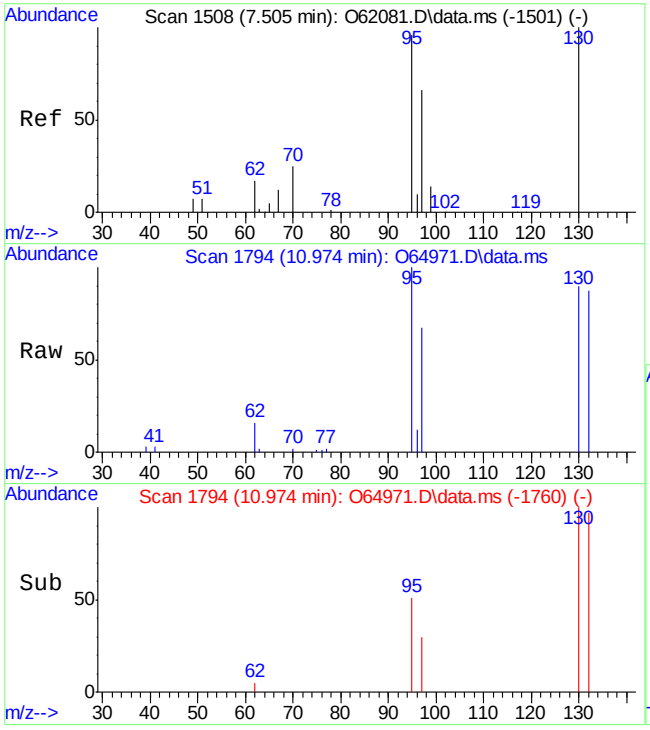


#9
Chloroform
Concen: 0.06 ug/L m
RT: 9.451 min Scan# 1561
Delta R.T. 0.001 min
Lab File: O64971.D
Acq: 4 Sep 2021 12:51 pm

Tgt Ion: 83 Resp: 746

Ion	Ratio	Lower	Upper
83	100		
85	67.7	33.7	93.7
47	48.7	5.1	65.1

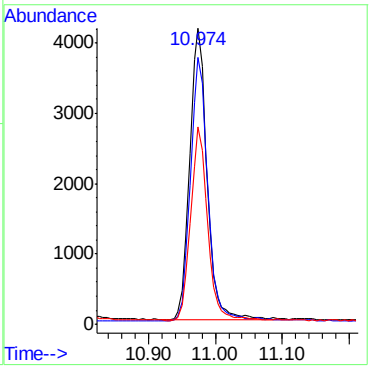


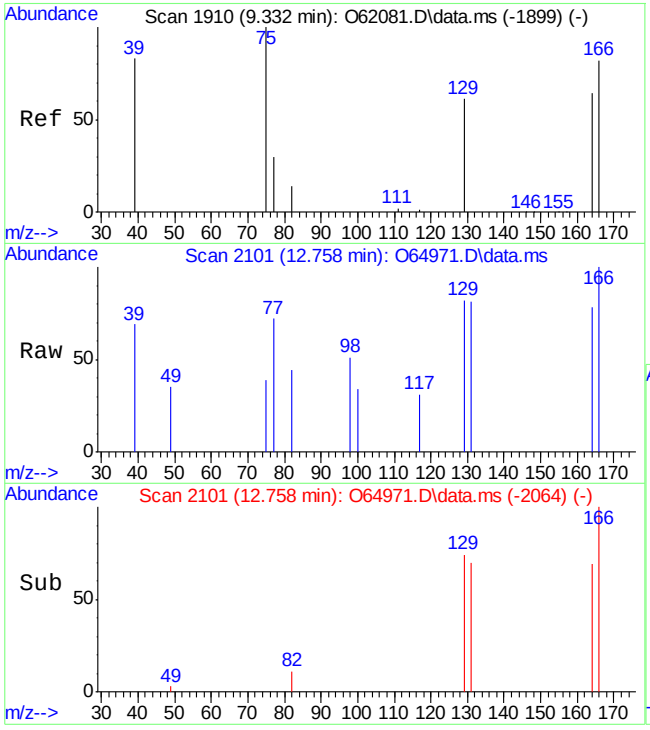


#15
Trichloroethene
Concen: 1.06 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64971.D
Acq: 4 Sep 2021 12:51 pm

Tgt Ion: 95 Resp: 7470

Ion	Ratio	Lower	Upper
95	100		
130	90.5	69.9	129.9
97	66.2	34.0	94.0

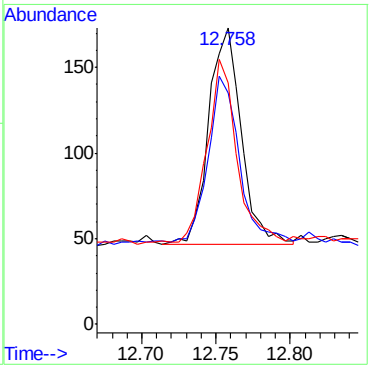




#21
Tetrachloroethene
Concen: 0.03 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64971.D
Acq: 4 Sep 2021 12:51 pm

Tgt Ion:166 Resp: 191

Ion	Ratio	Lower	Upper
166	100		
164	68.3	48.0	108.0
129	73.0	36.6	96.6



Manual Integration Approval Summary

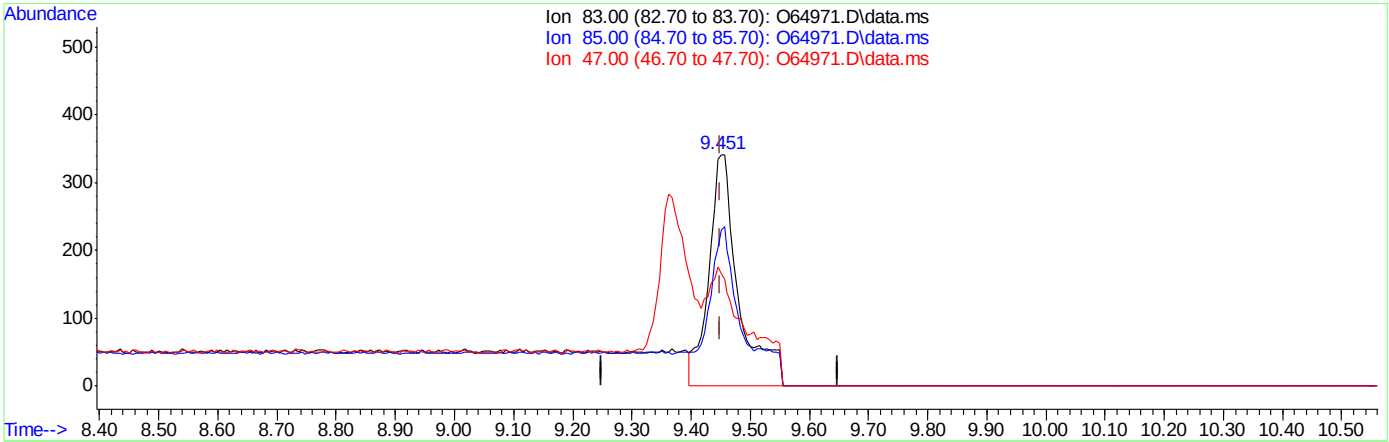
Sample Number: FA88610-7
Lab FileID: O64971.D
Injection Time: 09/04/21 12:51
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

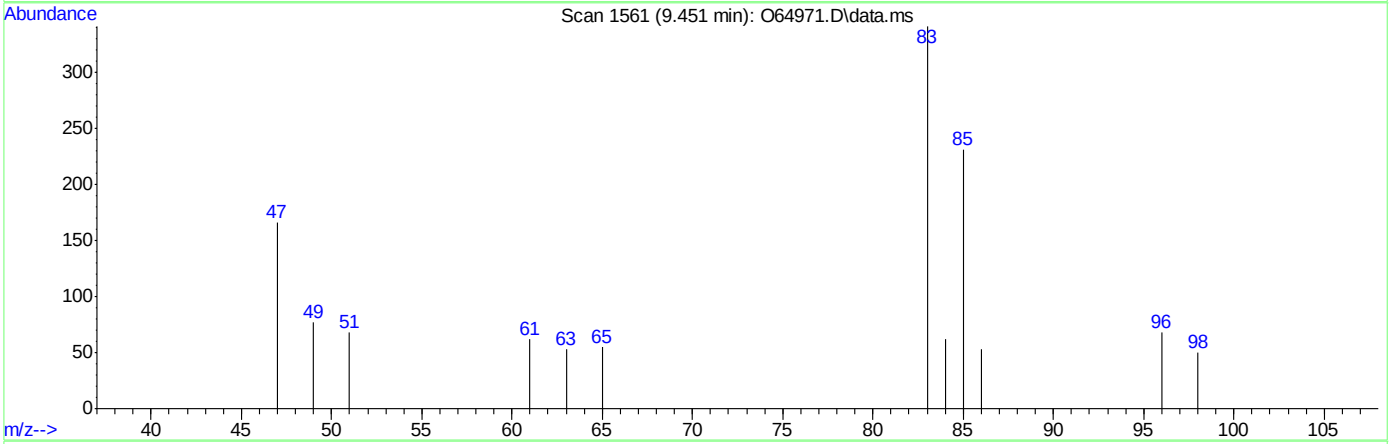
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64971.D
Acq On : 4 Sep 2021 12:51 pm
Operator : CHARLENG
Sample : FA88610-7 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 07:52:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64971.D\data.ms

(9) Chloroform

9.451min (+0.001) 0.10ug/L

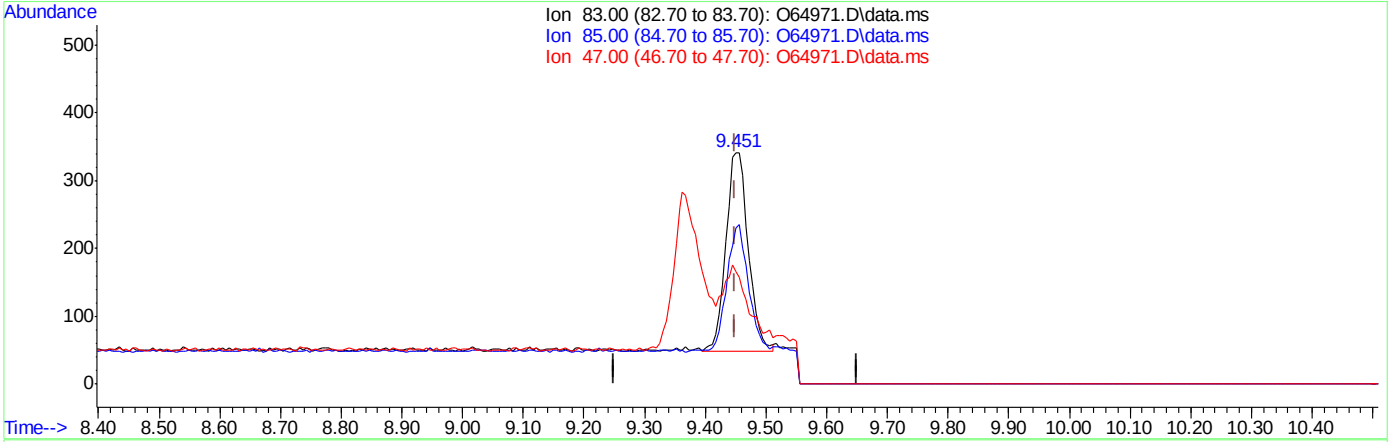
response 1214

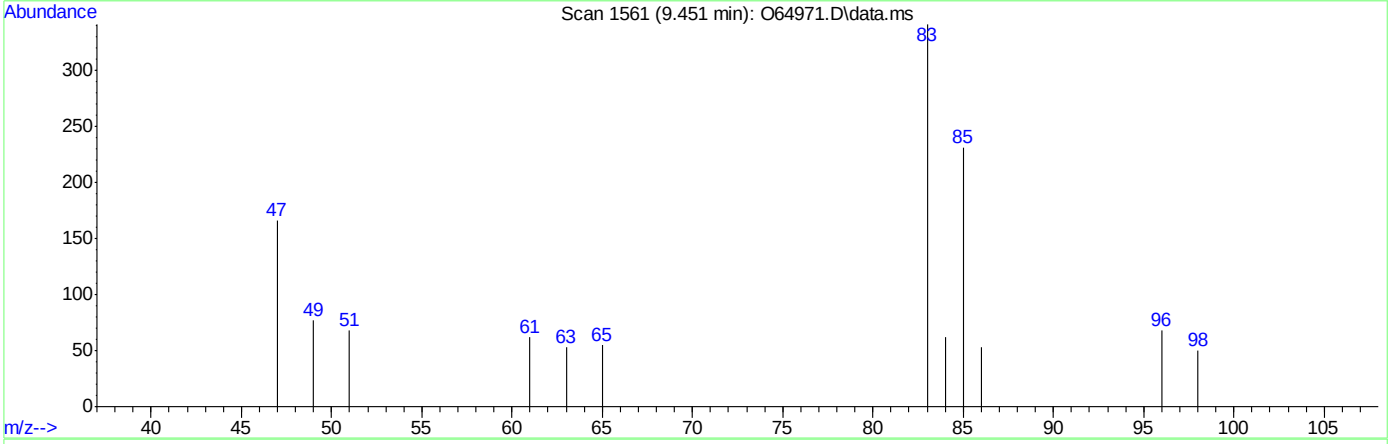
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.74
47.00	35.10	48.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64971.D
Acq On : 4 Sep 2021 12:51 pm
Operator : CHARLENG
Sample : FA88610-7 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 07 07:52:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64971.D\data.ms

(9) Chloroform

9.451min (+0.001) 0.06ug/L m

response 746

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.74
47.00	35.10	48.68
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64972.D
Acq On : 4 Sep 2021 1:14 pm
Operator : CHARLENG
Sample : FA88610-8 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 08:37:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

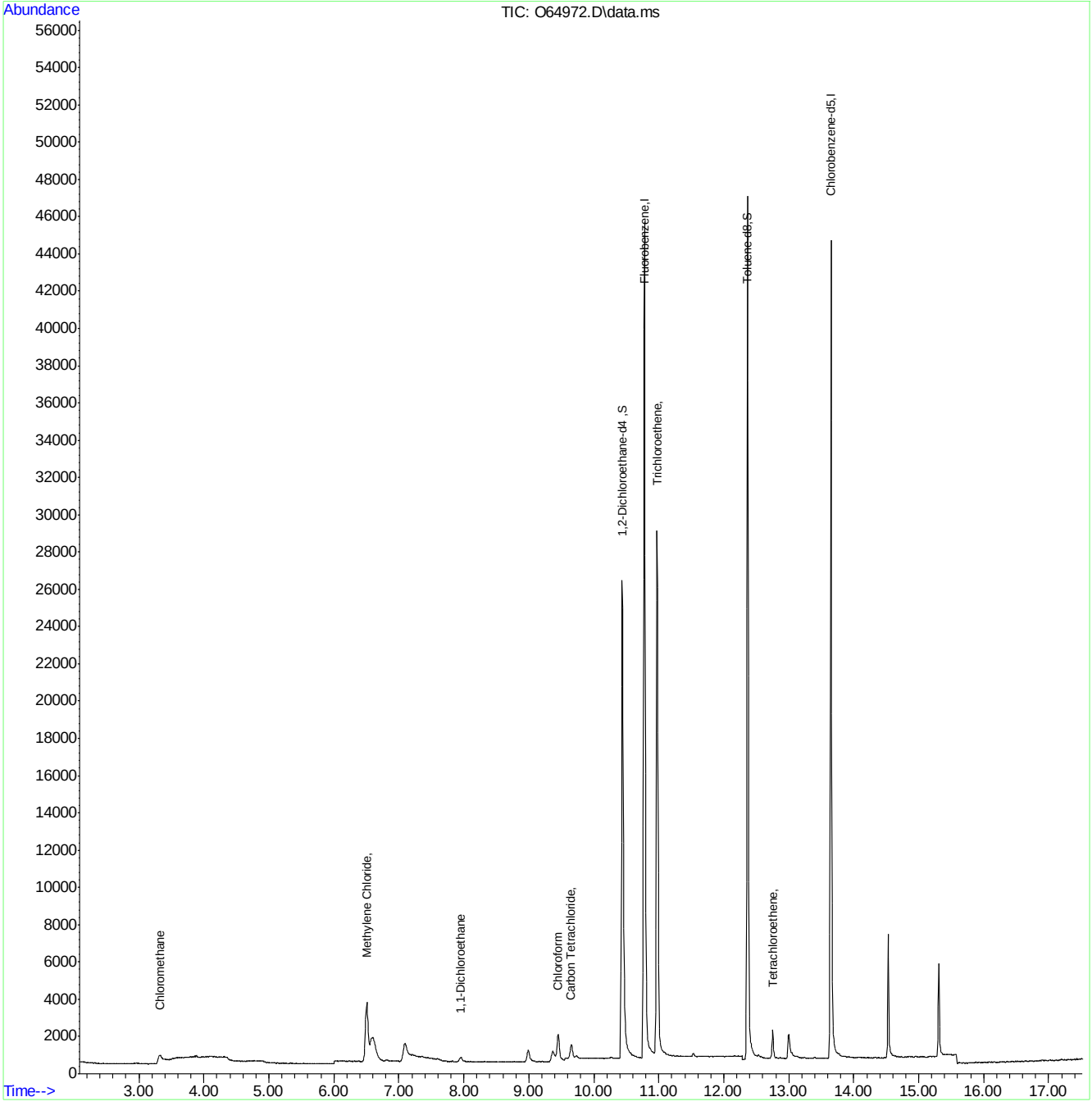
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	53553	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	38094	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27024	5.92	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 118.40%			
19) Toluene-d8	12.367	98	41805	5.00	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.00%			
Target Compounds						Qvalue
3) Chloromethane	3.322	50	2556	0.33	ug/L	99
5) Methylene Chloride	6.506	49	3442	0.04	ug/L	88
7) 1,1-Dichloroethane	7.951	63	468	0.04	ug/L	93
9) Chloroform	9.450	83	1650m	0.13	ug/L	
10) Carbon Tetrachloride	9.650	117	738	0.09	ug/L	88
15) Trichloroethene	10.974	95	13808	1.96	ug/L	95
21) Tetrachloroethene	12.758	166	613	0.10	ug/L	95

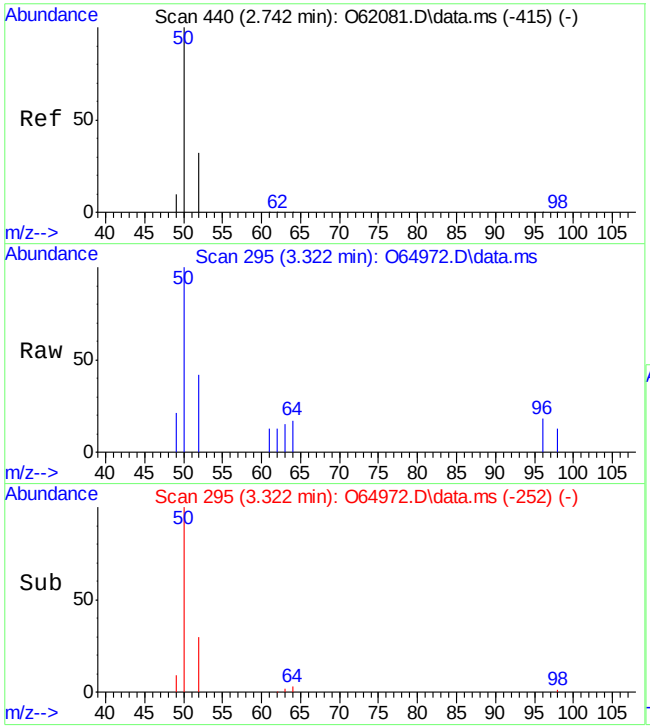
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64972.D
Acq On : 4 Sep 2021 1:14 pm
Operator : CHARLENG
Sample : FA88610-8 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 08:37:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

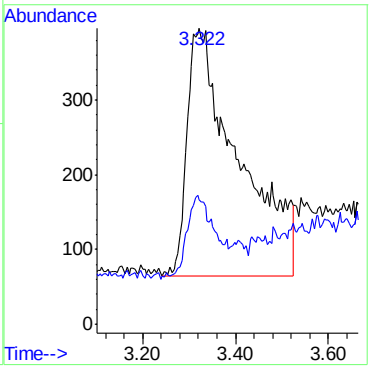


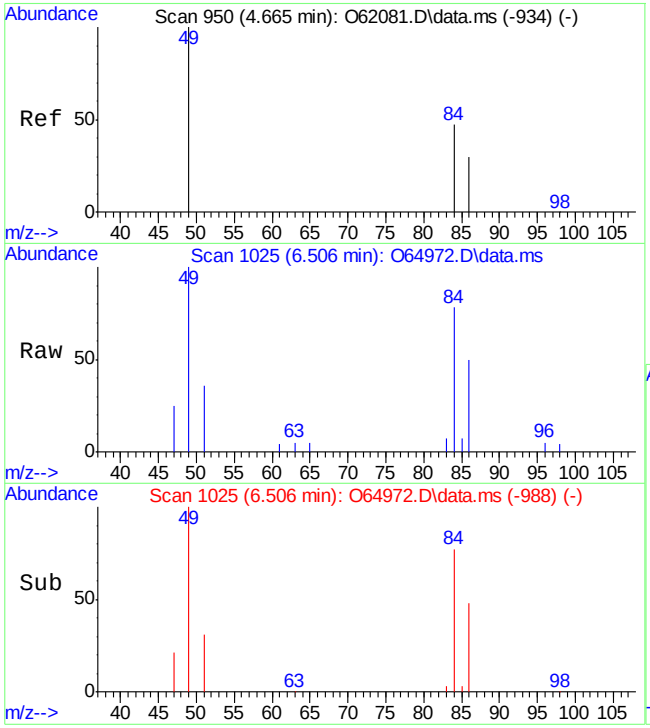


#3
Chloromethane
Concen: 0.33 ug/L
RT: 3.322 min Scan# 295
Delta R.T. -0.021 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion: 50 Resp: 2556

Ion	Ratio	Lower	Upper
50	100		
52	30.7	1.0	61.0

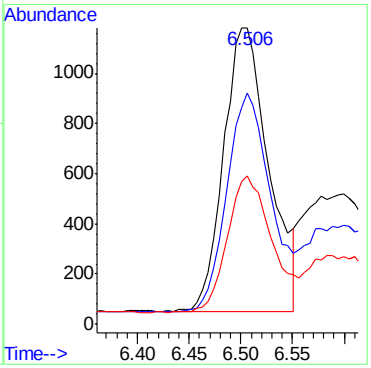


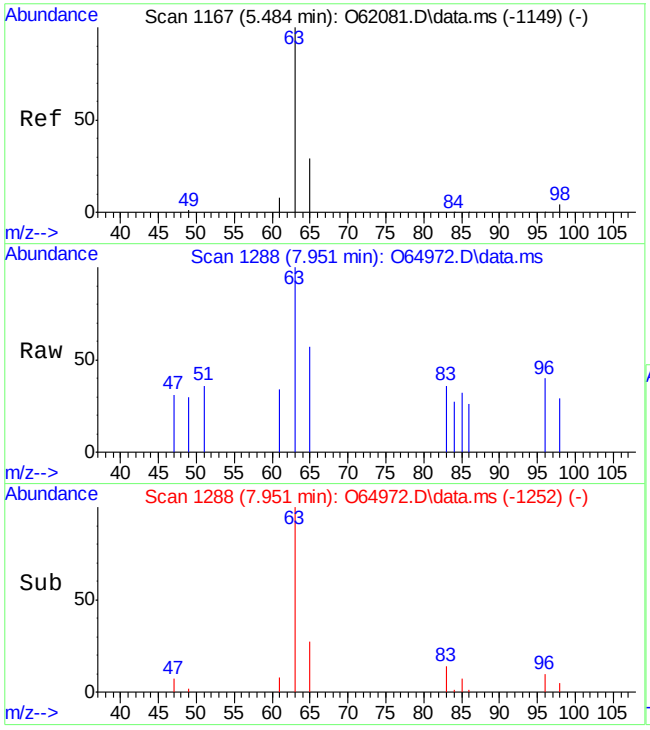


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion: 49 Resp: 3442

Ion	Ratio	Lower	Upper
49	100		
84	77.1	35.5	95.5
86	48.1	12.8	72.8

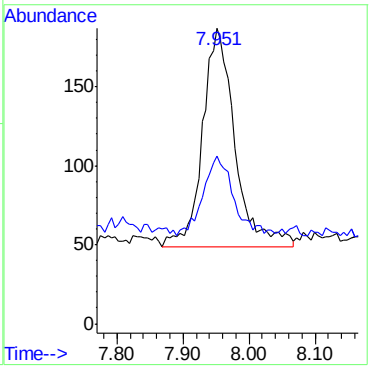


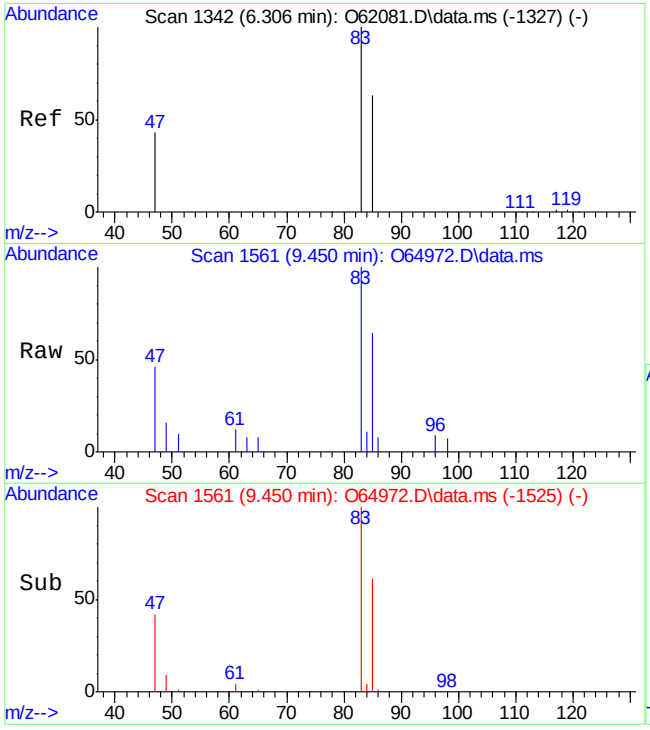


#7
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. 0.000 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion: 63 Resp: 468

Ion	Ratio	Lower	Upper
63	100		
65	33.3	0.0	59.6

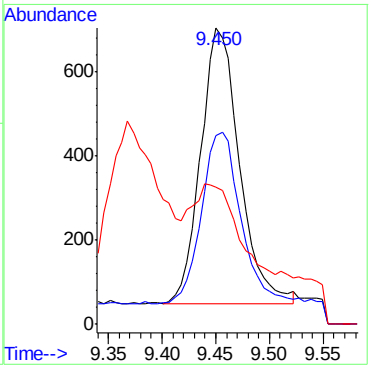


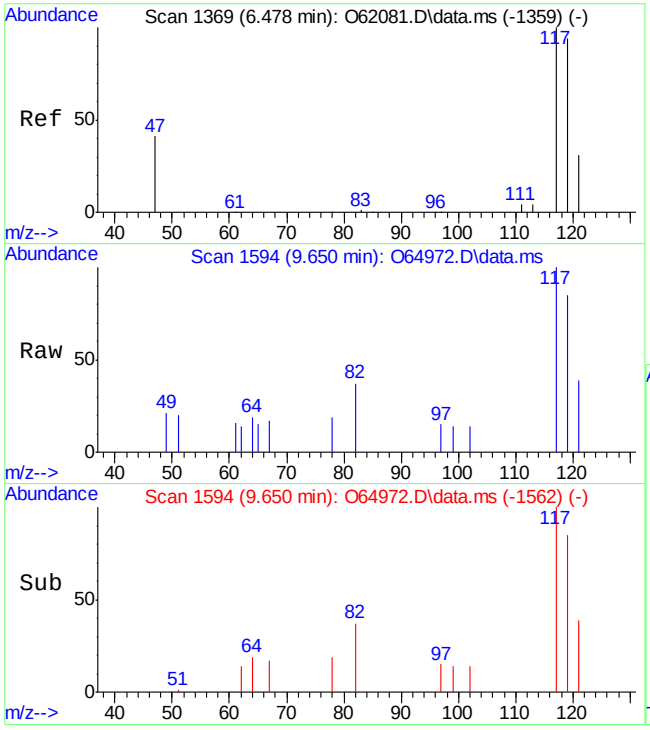


#9
Chloroform
Concen: 0.13 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion: 83 Resp: 1650

Ion	Ratio	Lower	Upper
83	100		
85	63.8	33.7	93.7
47	46.3	5.1	65.1

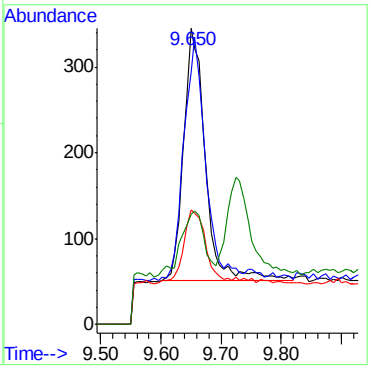


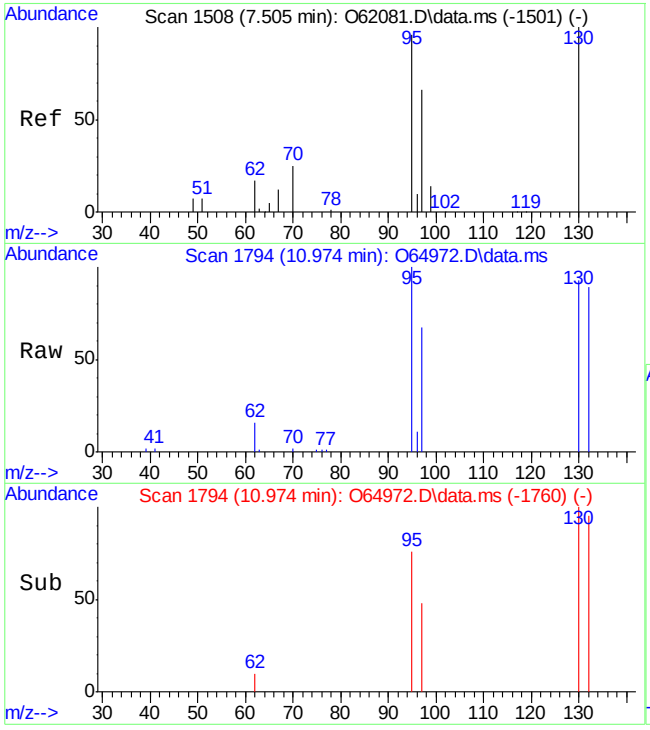


#10
Carbon Tetrachloride
Concen: 0.09 ug/L
RT: 9.650 min Scan# 1594
Delta R.T. -0.006 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion:117 Resp: 738

Ion	Ratio	Lower	Upper
117	100		
119	82.0	68.2	128.2
121	28.9	1.1	61.1
82	22.8	0.0	54.2

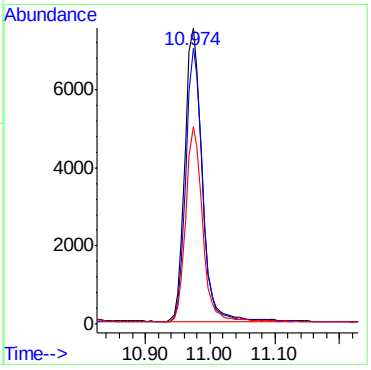


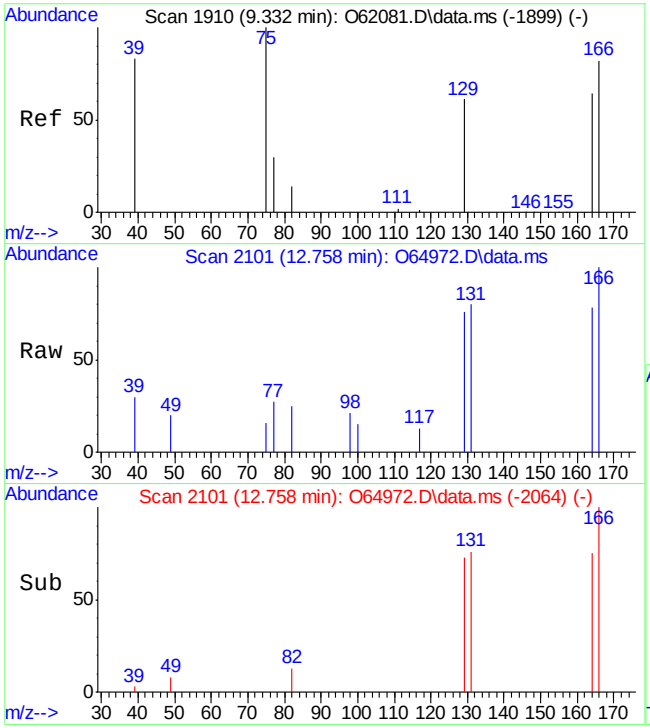


#15
Trichloroethene
Concen: 1.96 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion: 95 Resp: 13808

Ion	Ratio	Lower	Upper
95	100		
130	93.4	69.9	129.9
97	66.4	34.0	94.0

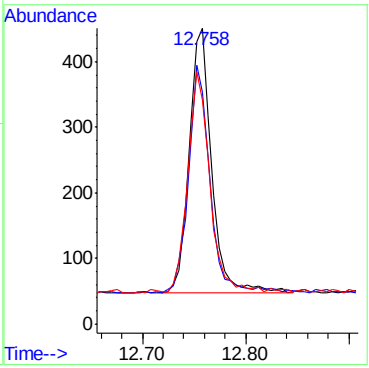




#21
Tetrachloroethene
Concen: 0.10 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64972.D
Acq: 4 Sep 2021 1:14 pm

Tgt Ion:166 Resp: 613

Ion	Ratio	Lower	Upper
166	100		
164	75.7	48.0	108.0
129	72.5	36.6	96.6



Manual Integration Approval Summary

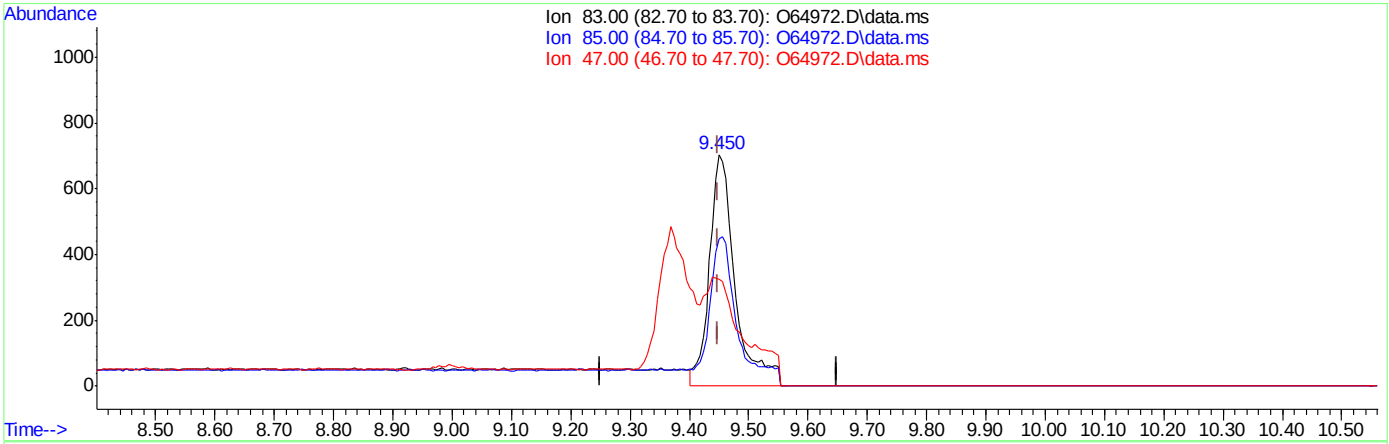
Sample Number: FA88610-8
Lab FileID: O64972.D
Injection Time: 09/04/21 13:14
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

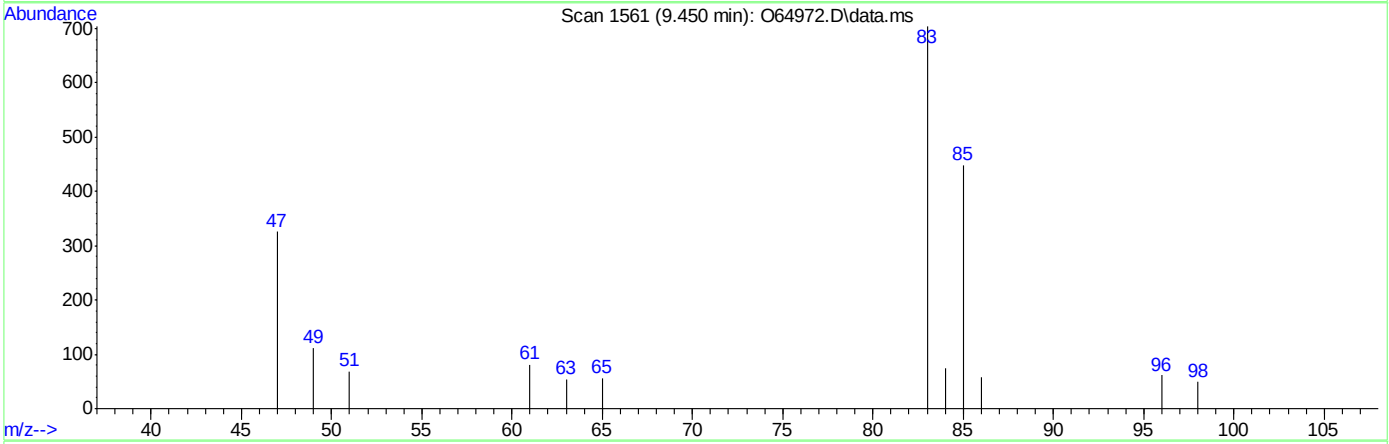
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64972.D
Acq On : 4 Sep 2021 1:14 pm
Operator : CHARLENG
Sample : FA88610-8 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 07:52:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64972.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.17ug/L

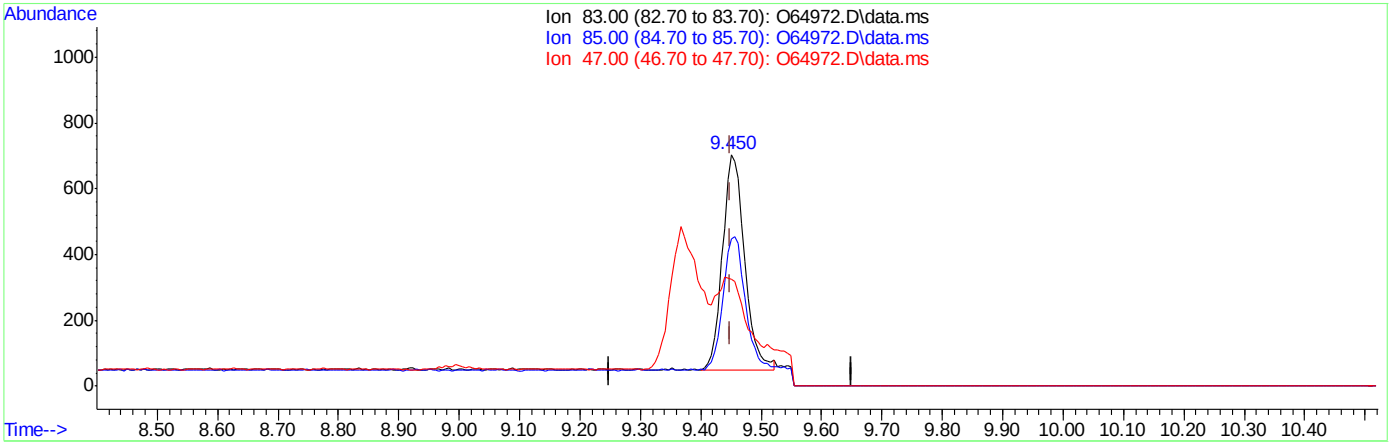
response 2124

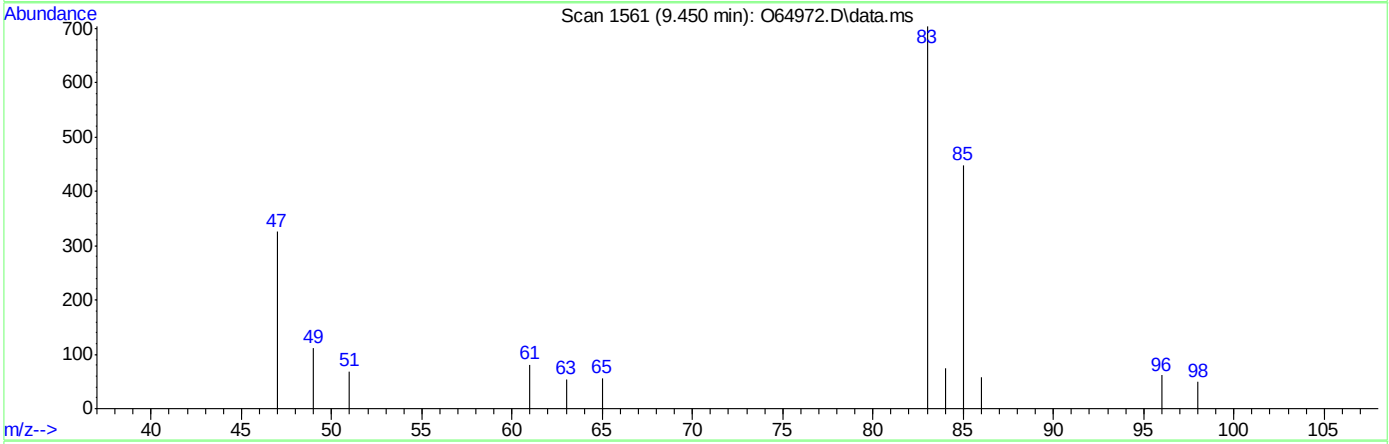
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.78
47.00	35.10	46.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64972.D
Acq On : 4 Sep 2021 1:14 pm
Operator : CHARLENG
Sample : FA88610-8 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 07:52:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64972.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.13ug/L m

response 1650

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.78
47.00	35.10	46.31
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64973.D
Acq On : 4 Sep 2021 1:37 pm
Operator : CHARLENG
Sample : FA88610-9 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 07 08:37:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

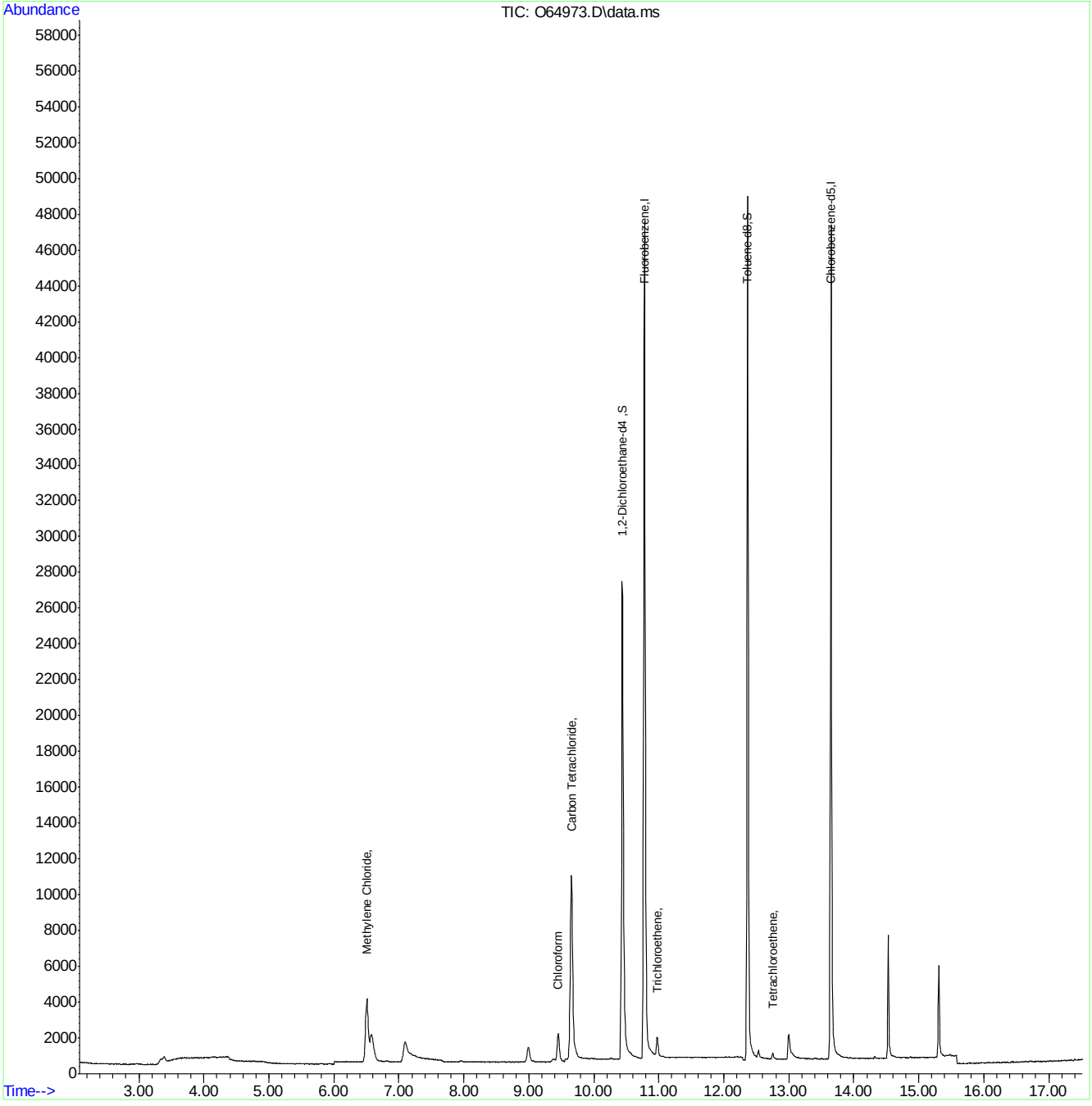
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55975	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	39804	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28120	5.90	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 118.00%			
19) Toluene-d8	12.367	98	43442	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3809	0.05	ug/L	87
9) Chloroform	9.450	83	1881m	0.14	ug/L	
10) Carbon Tetrachloride	9.657	117	10449	1.23	ug/L	97
15) Trichloroethene	10.974	95	517	0.07	ug/L	92
21) Tetrachloroethene	12.758	166	145	0.02	ug/L	93

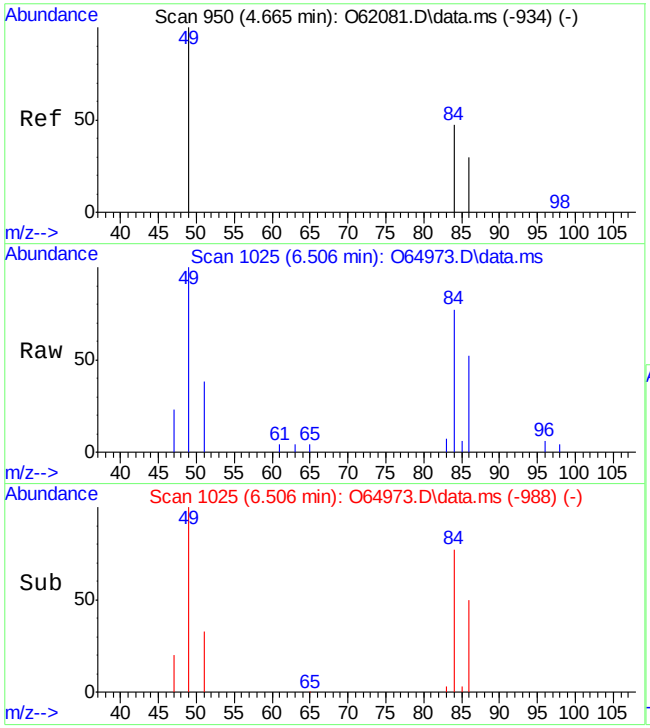
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64973.D
Acq On : 4 Sep 2021 1:37 pm
Operator : CHARLENG
Sample : FA88610-9 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 07 08:37:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

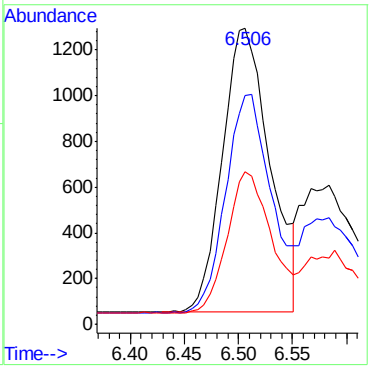


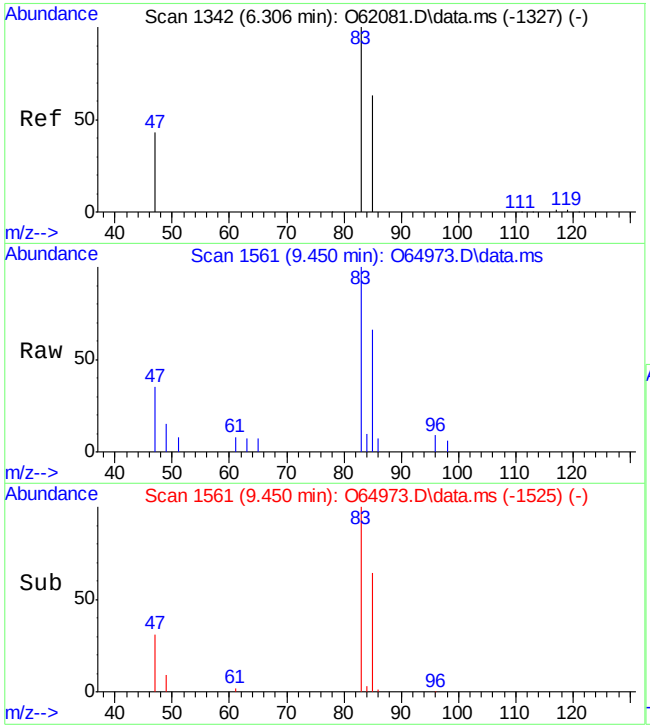


#5
Methylene Chloride
Concen: 0.05 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64973.D
Acq: 4 Sep 2021 1:37 pm

Tgt Ion: 49 Resp: 3809

Ion	Ratio	Lower	Upper
49	100		
84	76.6	35.5	95.5
86	49.8	12.8	72.8

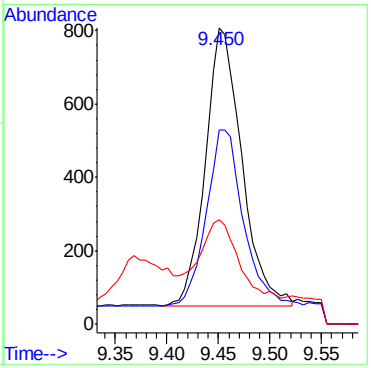


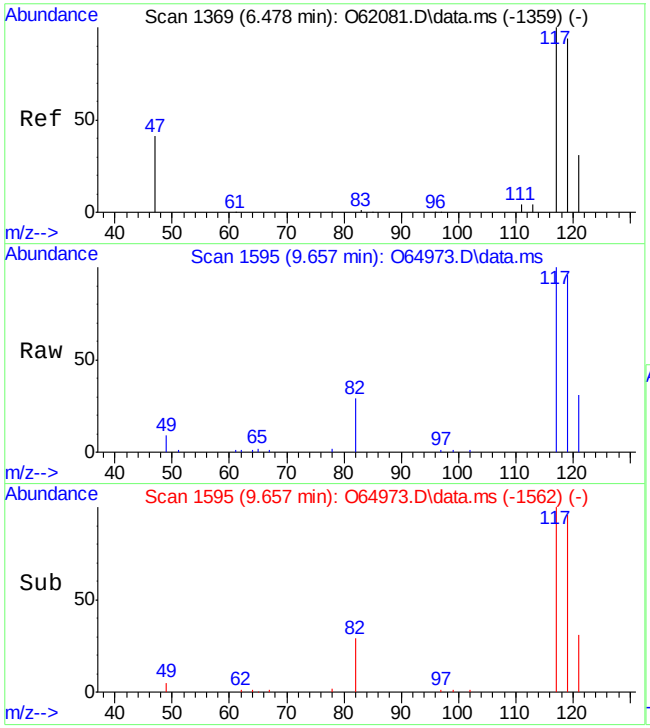


#9
Chloroform
Concen: 0.14 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64973.D
Acq: 4 Sep 2021 1:37 pm

Tgt Ion: 83 Resp: 1881

Ion	Ratio	Lower	Upper
83	100		
85	65.6	33.7	93.7
47	35.2	5.1	65.1

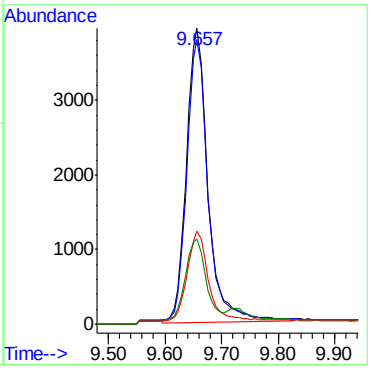


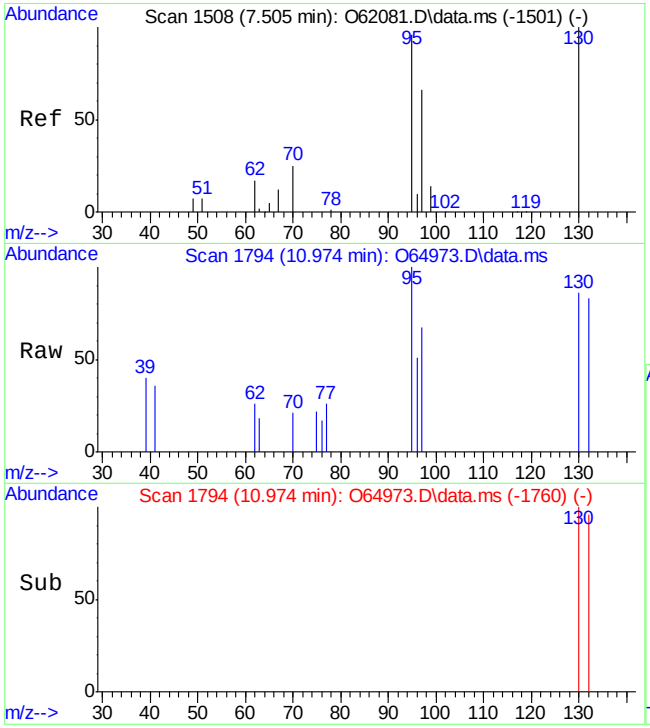


#10
Carbon Tetrachloride
Concen: 1.23 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O64973.D
Acq: 4 Sep 2021 1:37 pm

Tgt Ion:117 Resp: 10449

Ion	Ratio	Lower	Upper
117	100		
119	96.1	68.2	128.2
121	30.5	1.1	61.1
82	27.8	0.0	54.2

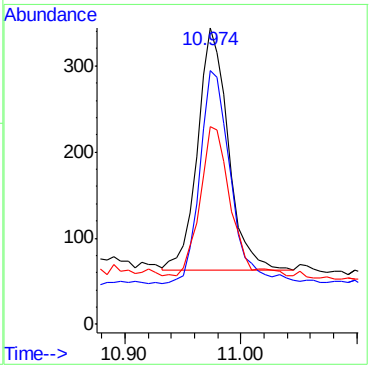


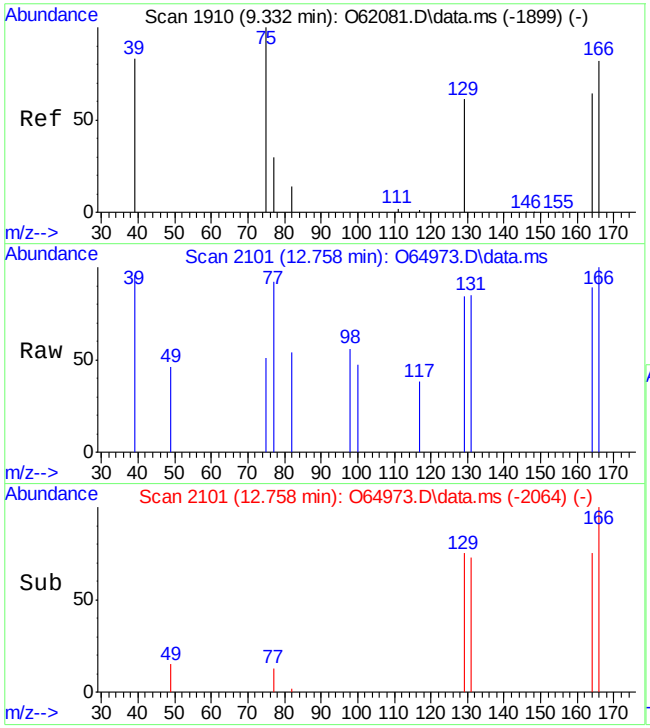


#15
Trichloroethene
Concen: 0.07 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64973.D
Acq: 4 Sep 2021 1:37 pm

Tgt Ion: 95 Resp: 517

Ion	Ratio	Lower	Upper
95	100		
130	88.3	69.9	129.9
97	61.6	34.0	94.0

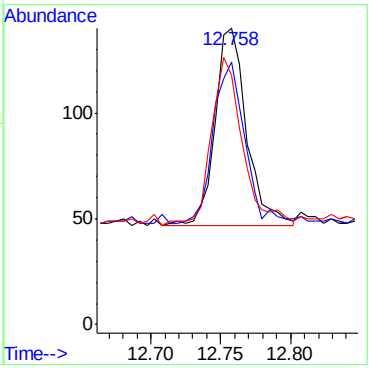




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64973.D
Acq: 4 Sep 2021 1:37 pm

Tgt Ion:166 Resp: 145

Ion	Ratio	Lower	Upper
166	100		
164	79.6	48.0	108.0
129	76.3	36.6	96.6



Manual Integration Approval Summary

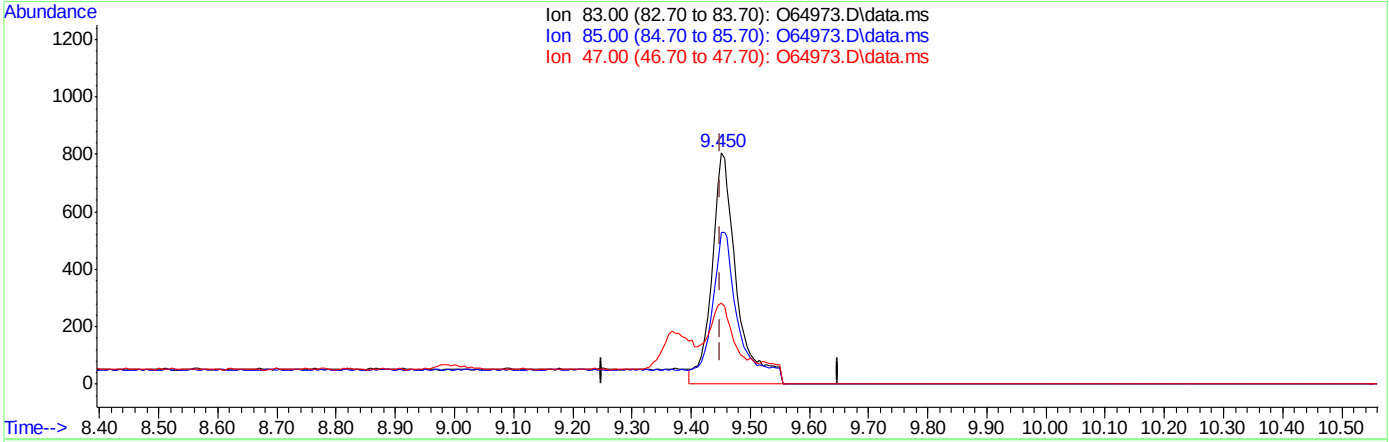
Sample Number:	FA88610-9	**Method:**	SW846 8260B BY SIM
Lab FileID:	O64973.D	**Analyst approved:**	09/07/21 09:04 Charlene Gonzalez
Injection Time:	09/04/21 13:37	**Supervisor approved:**	09/08/21 14:26 Chelsea VanDenBurg

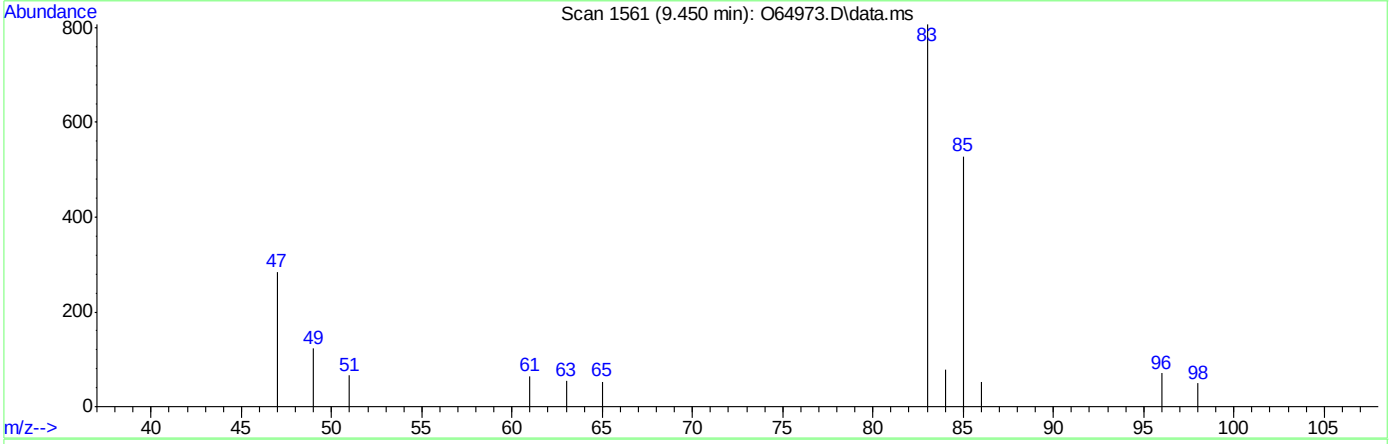
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64973.D
Acq On : 4 Sep 2021 1:37 pm
Operator : CHARLENG
Sample : FA88610-9 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 07 07:52:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64973.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.18ug/L

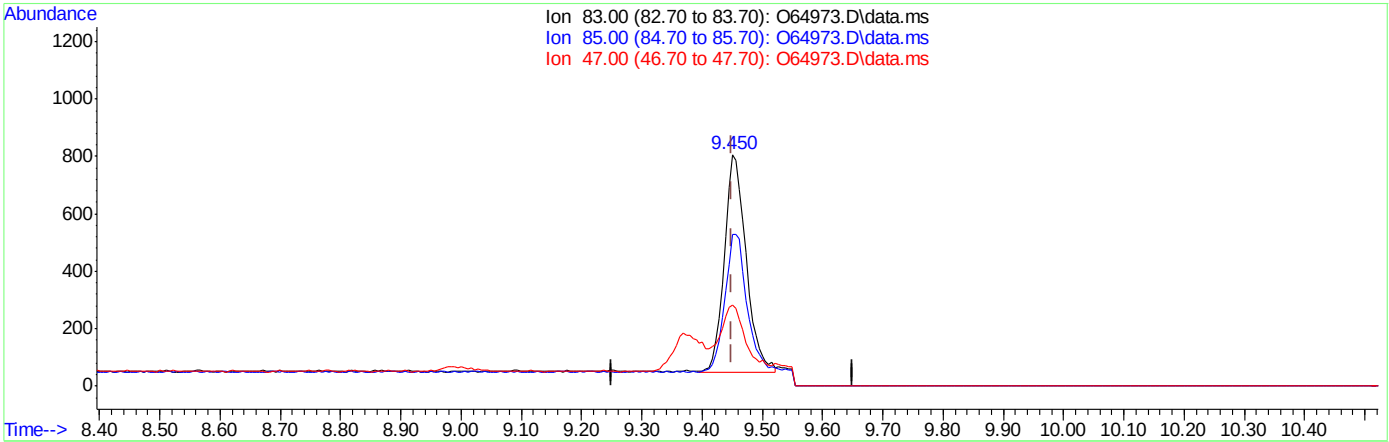
response 2366

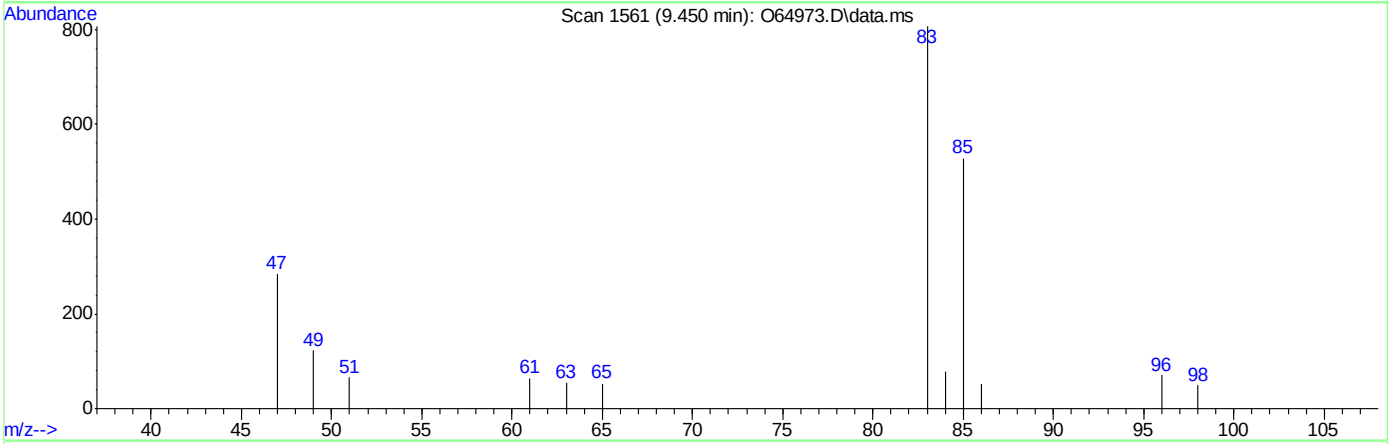
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.55
47.00	35.10	35.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64973.D
Acq On : 4 Sep 2021 1:37 pm
Operator : CHARLENG
Sample : FA88610-9 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 07 07:52:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64973.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.14ug/L m

response 1881

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.55
47.00	35.10	35.19
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64974.D
Acq On : 4 Sep 2021 2:00 pm
Operator : CHARLENG
Sample : FA88610-10 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 07 08:37:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

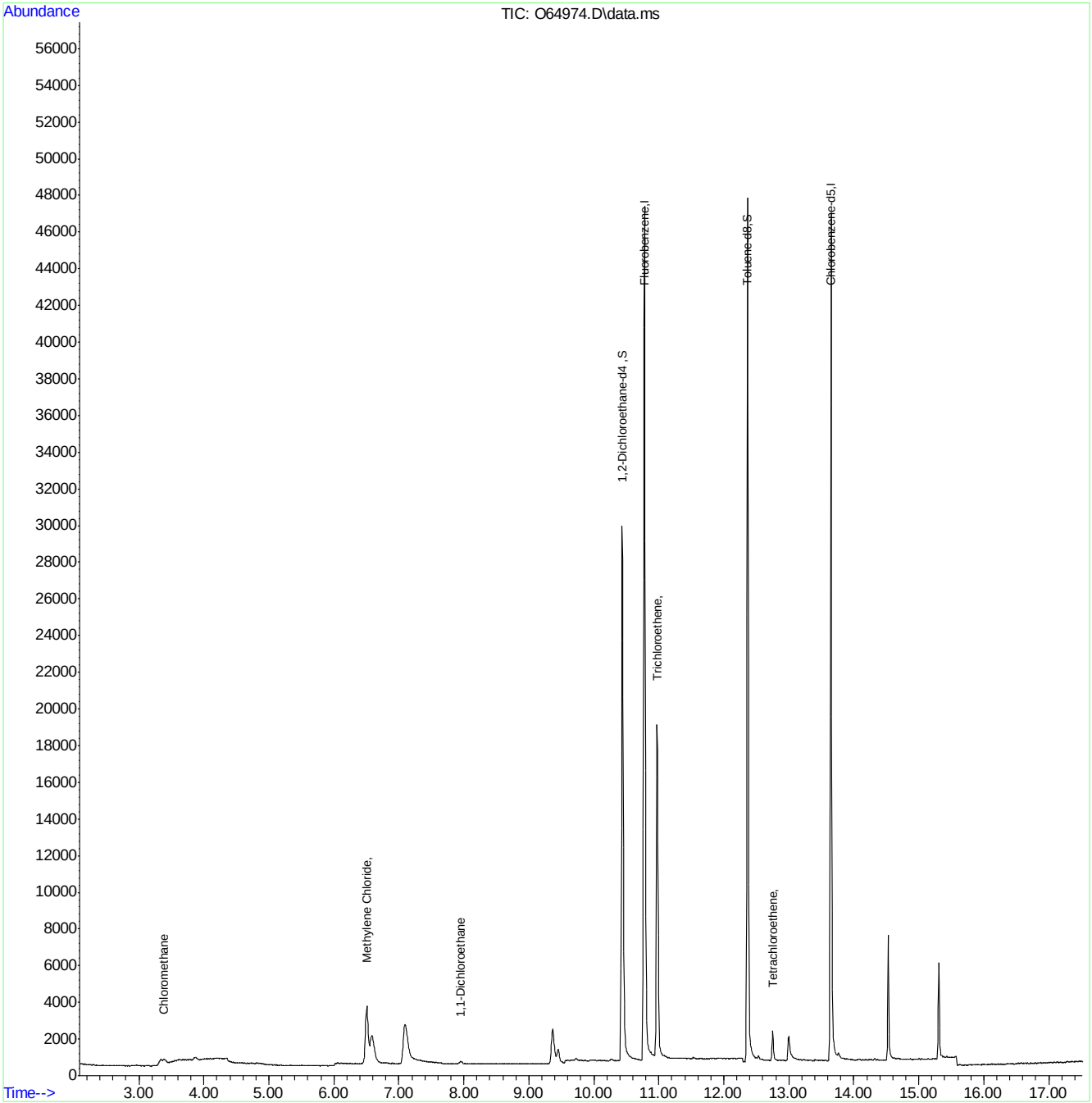
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	54478	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	38933	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28212	6.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 121.60%			
19) Toluene-d8	12.367	98	42323	4.95	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.00%			
Target Compounds						Qvalue
3) Chloromethane	3.381	50	2203	0.28	ug/L	81
5) Methylene Chloride	6.501	49	3486	0.04	ug/L	98
7) 1,1-Dichloroethane	7.951	63	250	0.02	ug/L	95
15) Trichloroethene	10.974	95	9040	1.26	ug/L	93
21) Tetrachloroethene	12.758	166	666	0.11	ug/L	90

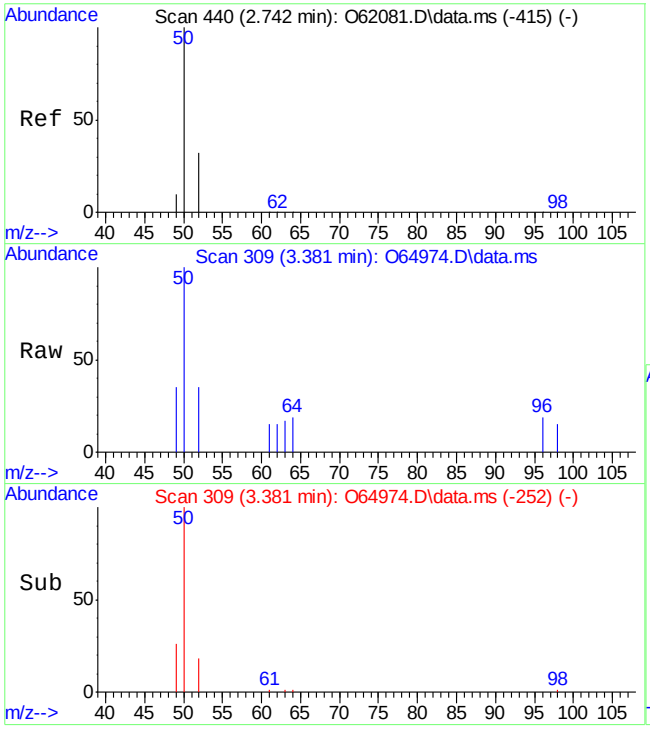
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64974.D
Acq On : 4 Sep 2021 2:00 pm
Operator : CHARLENG
Sample : FA88610-10 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 07 08:37:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

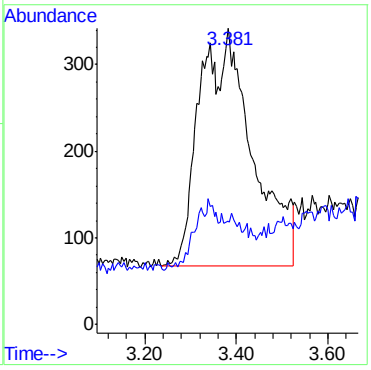


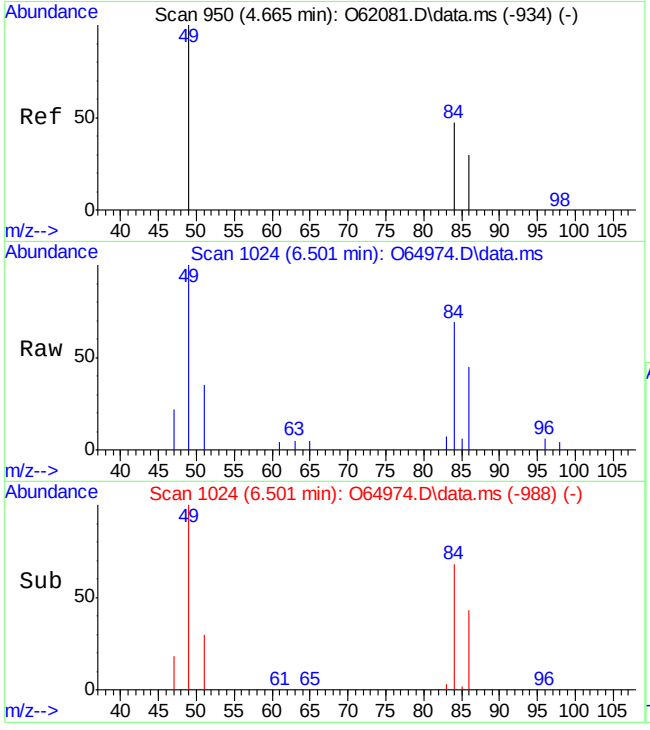


#3
Chloromethane
Concen: 0.28 ug/L
RT: 3.381 min Scan# 309
Delta R.T. 0.038 min
Lab File: O64974.D
Acq: 4 Sep 2021 2:00 pm

Tgt Ion: 50 Resp: 2203

Ion	Ratio	Lower	Upper
50	100		
52	20.4	1.0	61.0

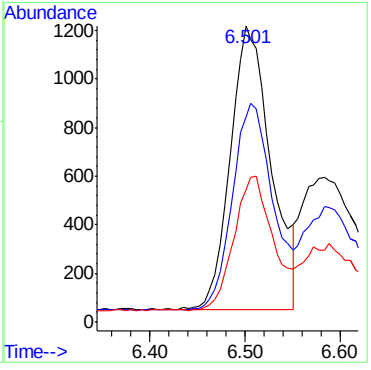


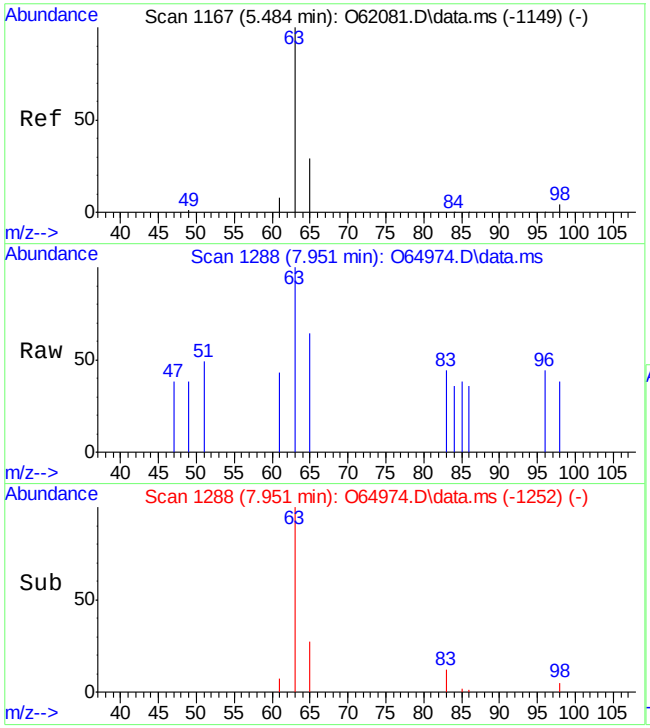


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64974.D
Acq: 4 Sep 2021 2:00 pm

Tgt Ion: 49 Resp: 3486

Ion	Ratio	Lower	Upper
49	100		
84	68.0	35.5	95.5
86	42.7	12.8	72.8

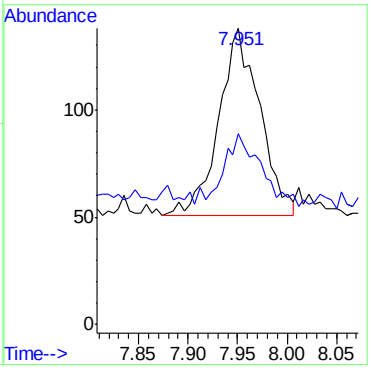


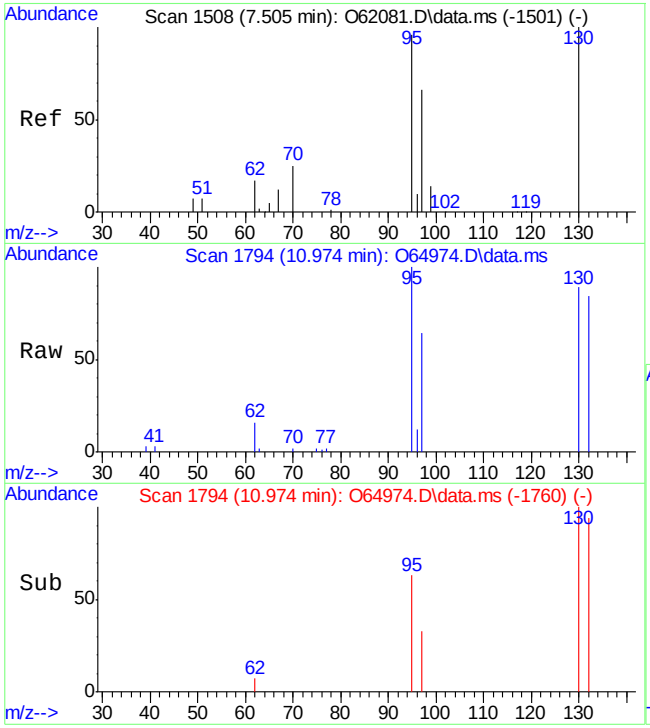


#7
1,1-Dichloroethane
Concen: 0.02 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. -0.000 min
Lab File: O64974.D
Acq: 4 Sep 2021 2:00 pm

Tgt Ion: 63 Resp: 250

Ion	Ratio	Lower	Upper
63	100		
65	32.2	0.0	59.6

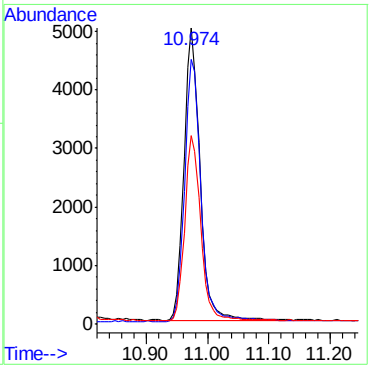


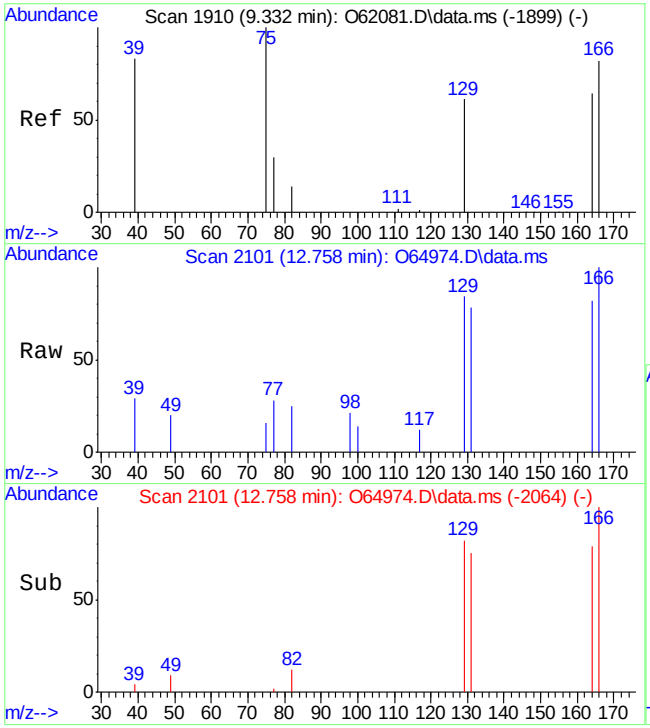


#15
Trichloroethene
Concen: 1.26 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64974.D
Acq: 4 Sep 2021 2:00 pm

Tgt Ion: 95 Resp: 9040

Ion	Ratio	Lower	Upper
95	100		
130	89.5	69.9	129.9
97	63.3	34.0	94.0

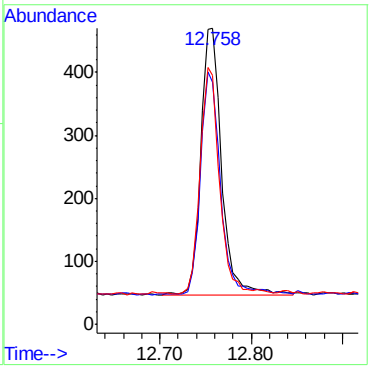




#21
Tetrachloroethene
Concen: 0.11 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64974.D
Acq: 4 Sep 2021 2:00 pm

Tgt Ion:166 Resp: 666

Ion	Ratio	Lower	Upper
166	100		
164	79.4	48.0	108.0
129	81.6	36.6	96.6



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64975.D
Acq On : 4 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : FA88610-11 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 08:38:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

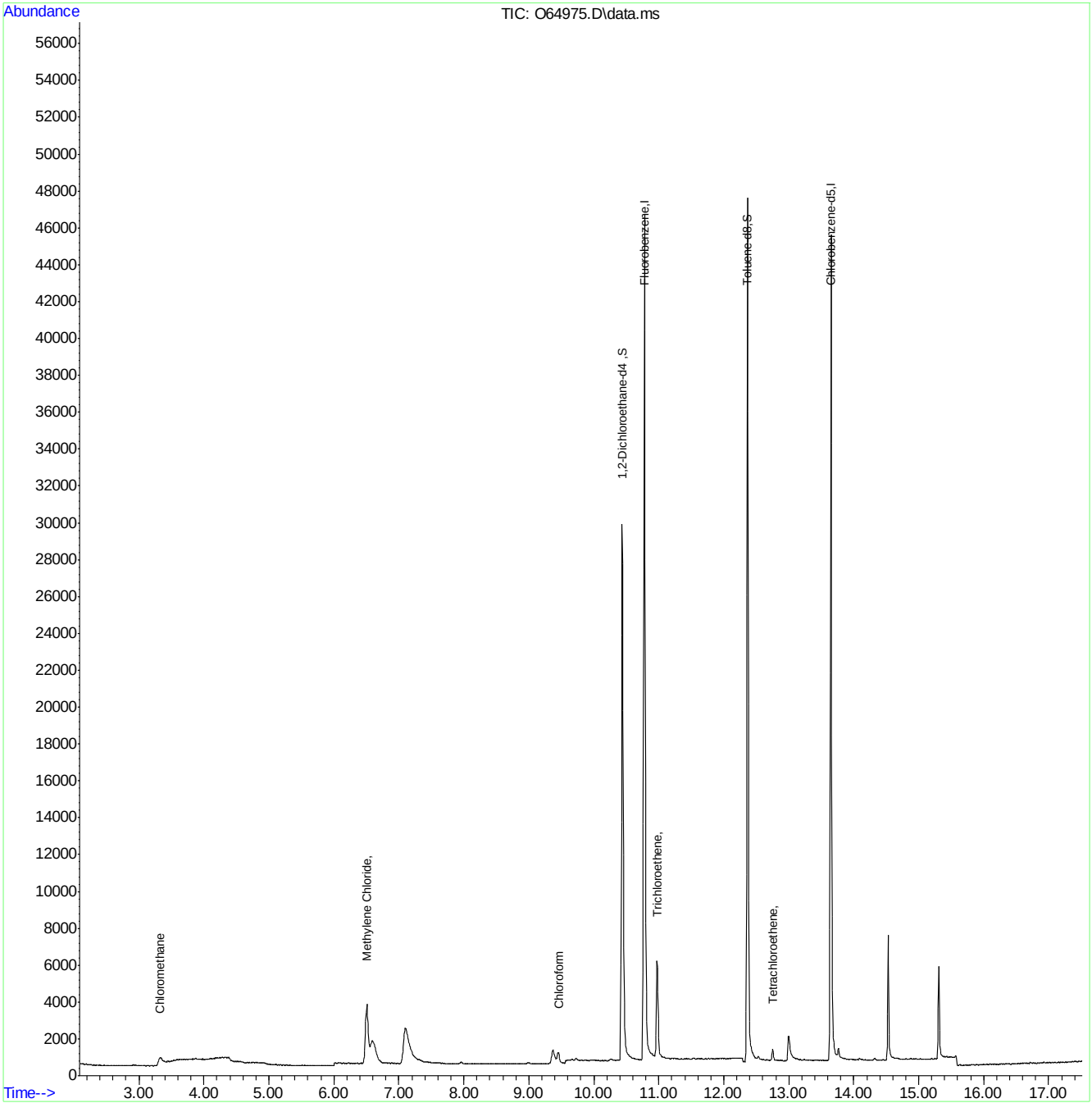
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	54000	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	38538	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27995	6.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 121.60%			
19) Toluene-d8	12.367	98	41874	4.95	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.00%			
Target Compounds						Qvalue
3) Chloromethane	3.330	50	2337	0.30	ug/L	88
5) Methylene Chloride	6.501	49	3515	0.04	ug/L	97
9) Chloroform	9.456	83	648m	0.05	ug/L	
15) Trichloroethene	10.974	95	2624	0.37	ug/L	93
21) Tetrachloroethene	12.752	166	262	0.04	ug/L	89

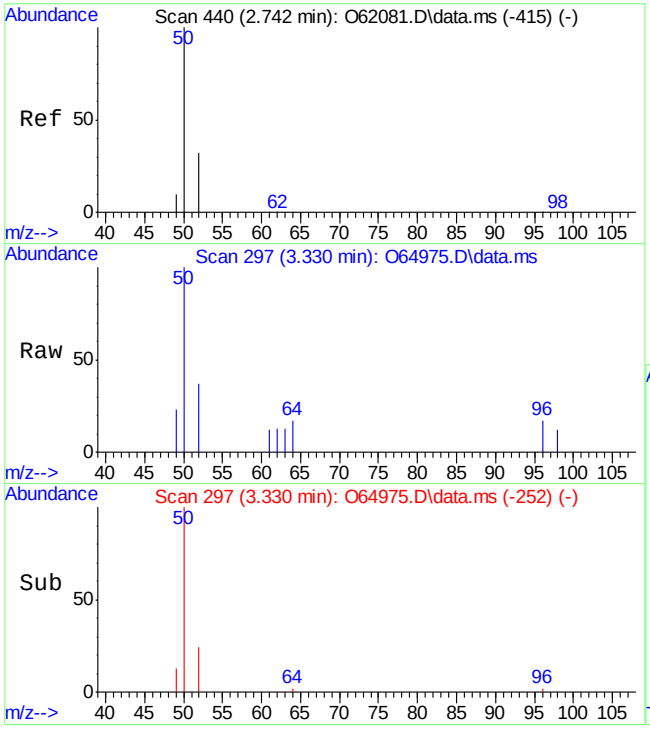
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64975.D
Acq On : 4 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : FA88610-11 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 08:38:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

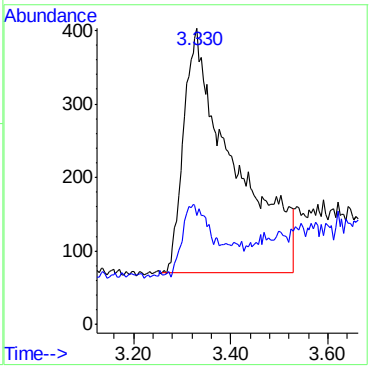


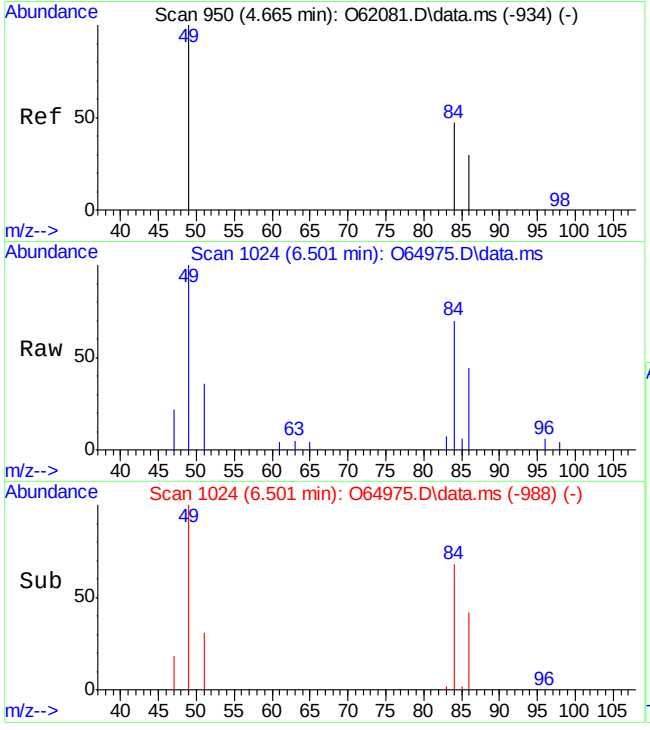


#3
Chloromethane
Concen: 0.30 ug/L
RT: 3.330 min Scan# 297
Delta R.T. -0.013 min
Lab File: O64975.D
Acq: 4 Sep 2021 2:23 pm

Tgt Ion: 50 Resp: 2337

Ion	Ratio	Lower	Upper
50	100		
52	24.4	1.0	61.0

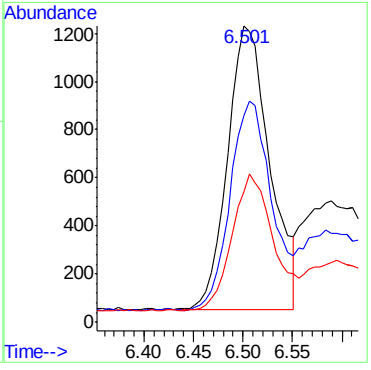


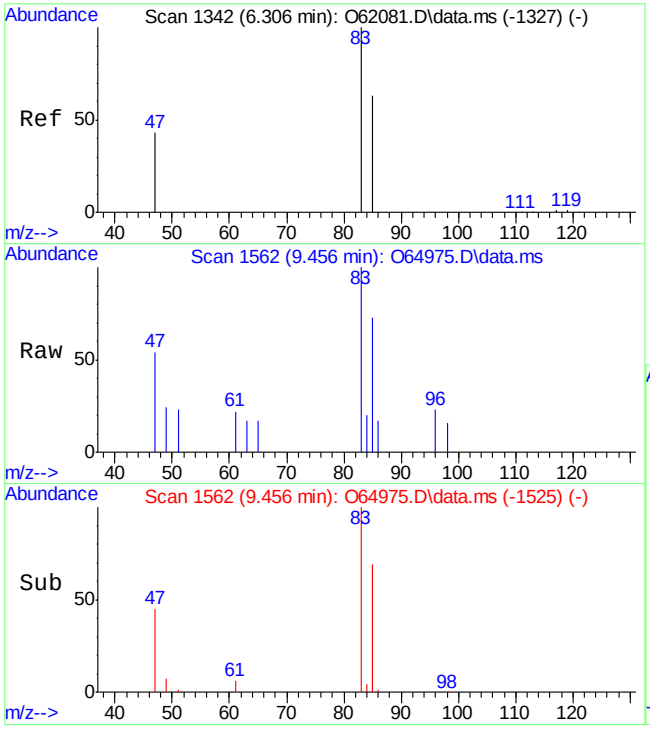


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64975.D
Acq: 4 Sep 2021 2:23 pm

Tgt Ion: 49 Resp: 3515

Ion	Ratio	Lower	Upper
49	100		
84	68.2	35.5	95.5
86	41.9	12.8	72.8

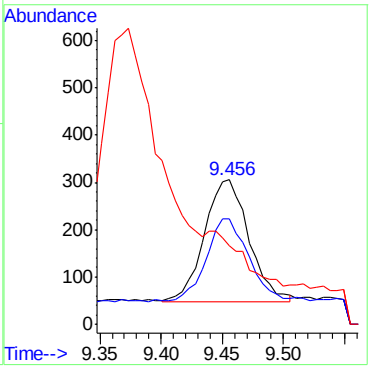


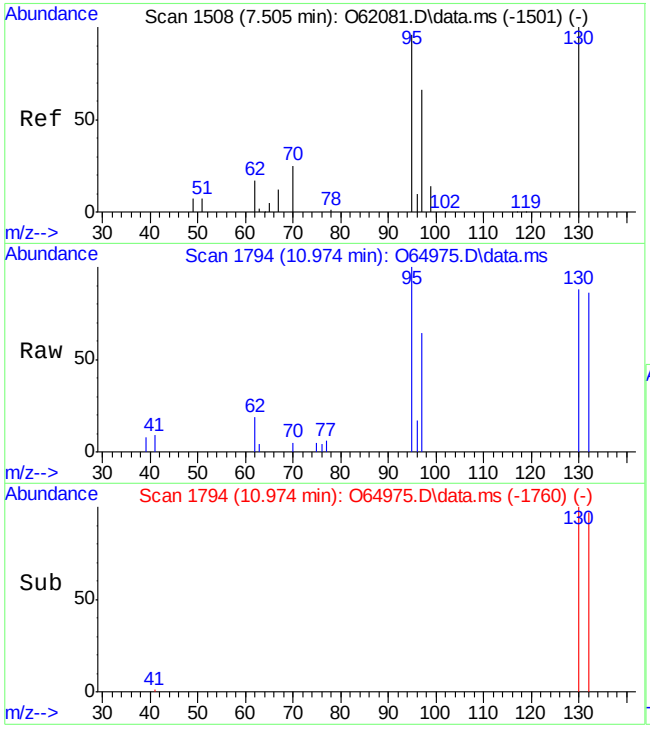


#9
Chloroform
Concen: 0.05 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64975.D
Acq: 4 Sep 2021 2:23 pm

Tgt Ion: 83 Resp: 648

Ion	Ratio	Lower	Upper
83	100		
85	73.4	33.7	93.7
47	54.4	5.1	65.1

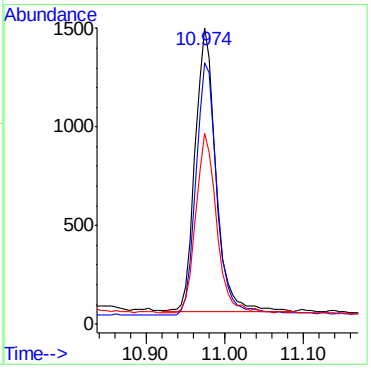


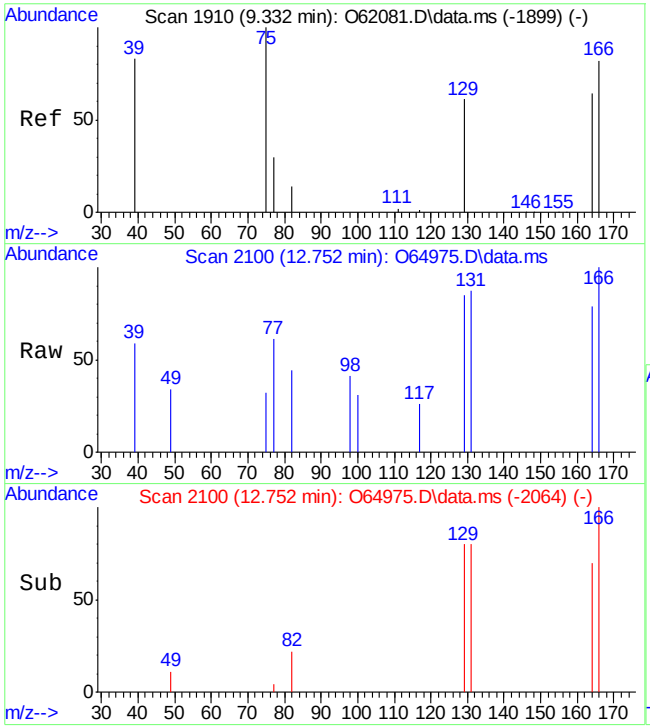


#15
Trichloroethene
Concen: 0.37 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64975.D
Acq: 4 Sep 2021 2:23 pm

Tgt Ion: 95 Resp: 2624

Ion	Ratio	Lower	Upper
95	100		
130	88.9	69.9	129.9
97	63.2	34.0	94.0

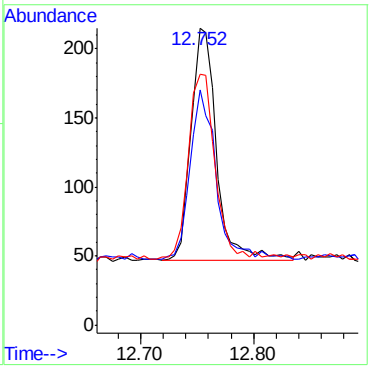




#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O64975.D
Acq: 4 Sep 2021 2:23 pm

Tgt Ion:166 Resp: 262

Ion	Ratio	Lower	Upper
166	100		
164	72.6	48.0	108.0
129	79.2	36.6	96.6



Manual Integration Approval Summary

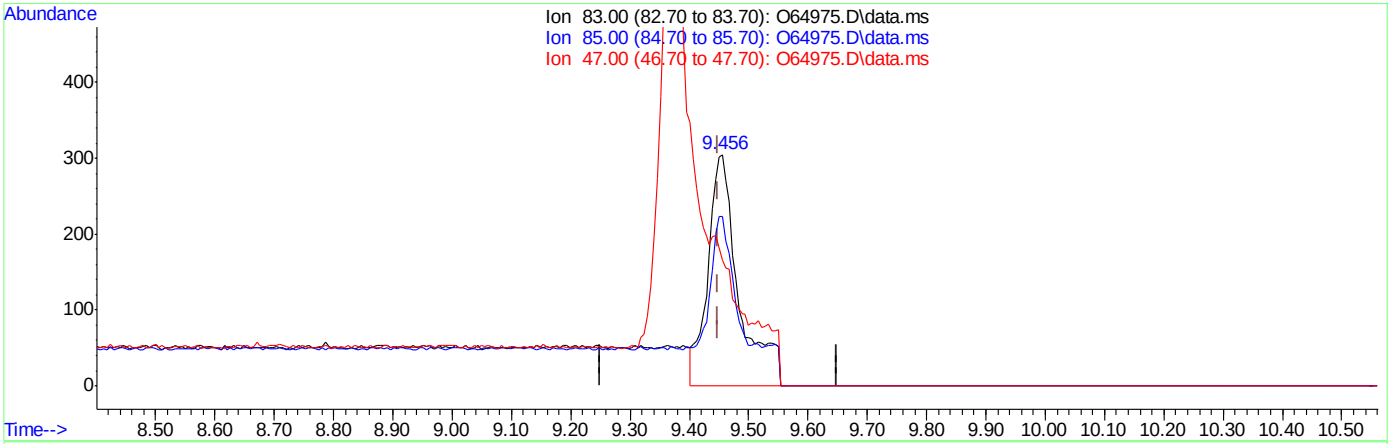
Sample Number: FA88610-11
Lab FileID: O64975.D
Injection Time: 09/04/21 14:23
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

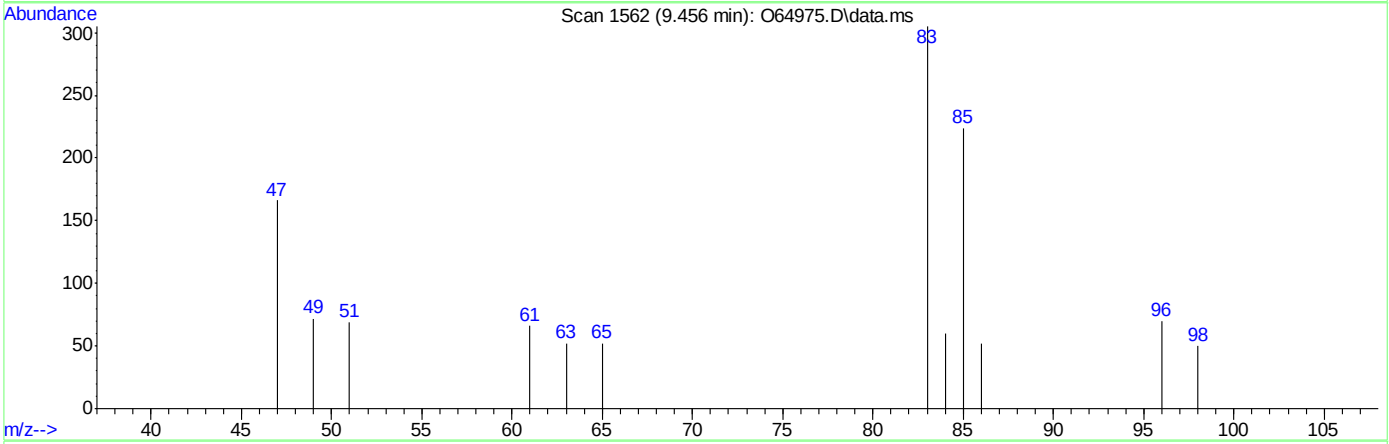
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64975.D
Acq On : 4 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : FA88610-11 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 07:52:25 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64975.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.09ug/L

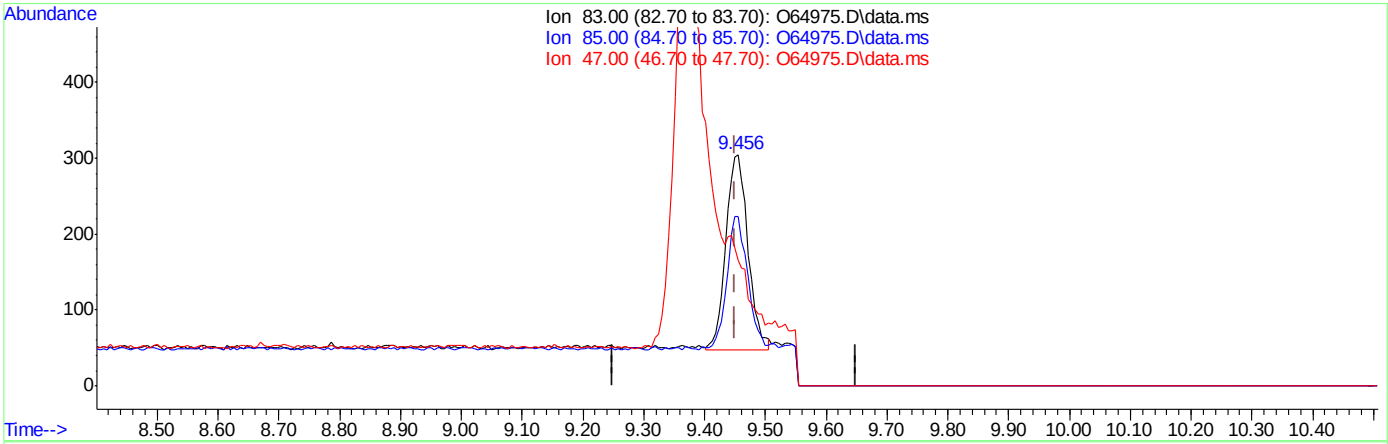
response 1102

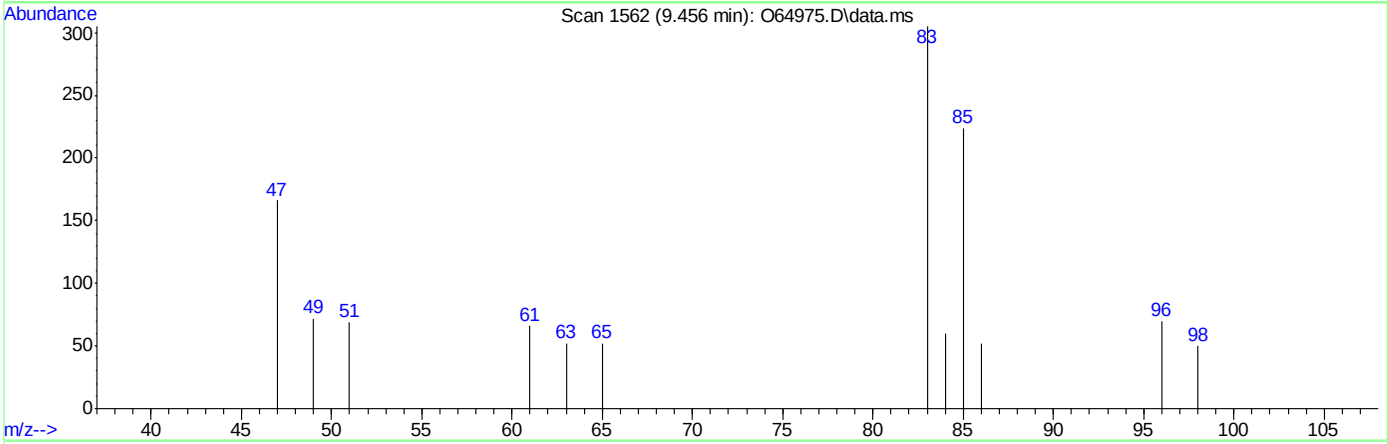
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	73.44
47.00	35.10	54.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64975.D
Acq On : 4 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : FA88610-11 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 07:52:25 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64975.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.05ug/L m

response 648

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	73.44
47.00	35.10	54.43
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64978.D
Acq On : 4 Sep 2021 3:33 pm
Operator : CHARLENG
Sample : FA88610-12 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 07 08:38:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

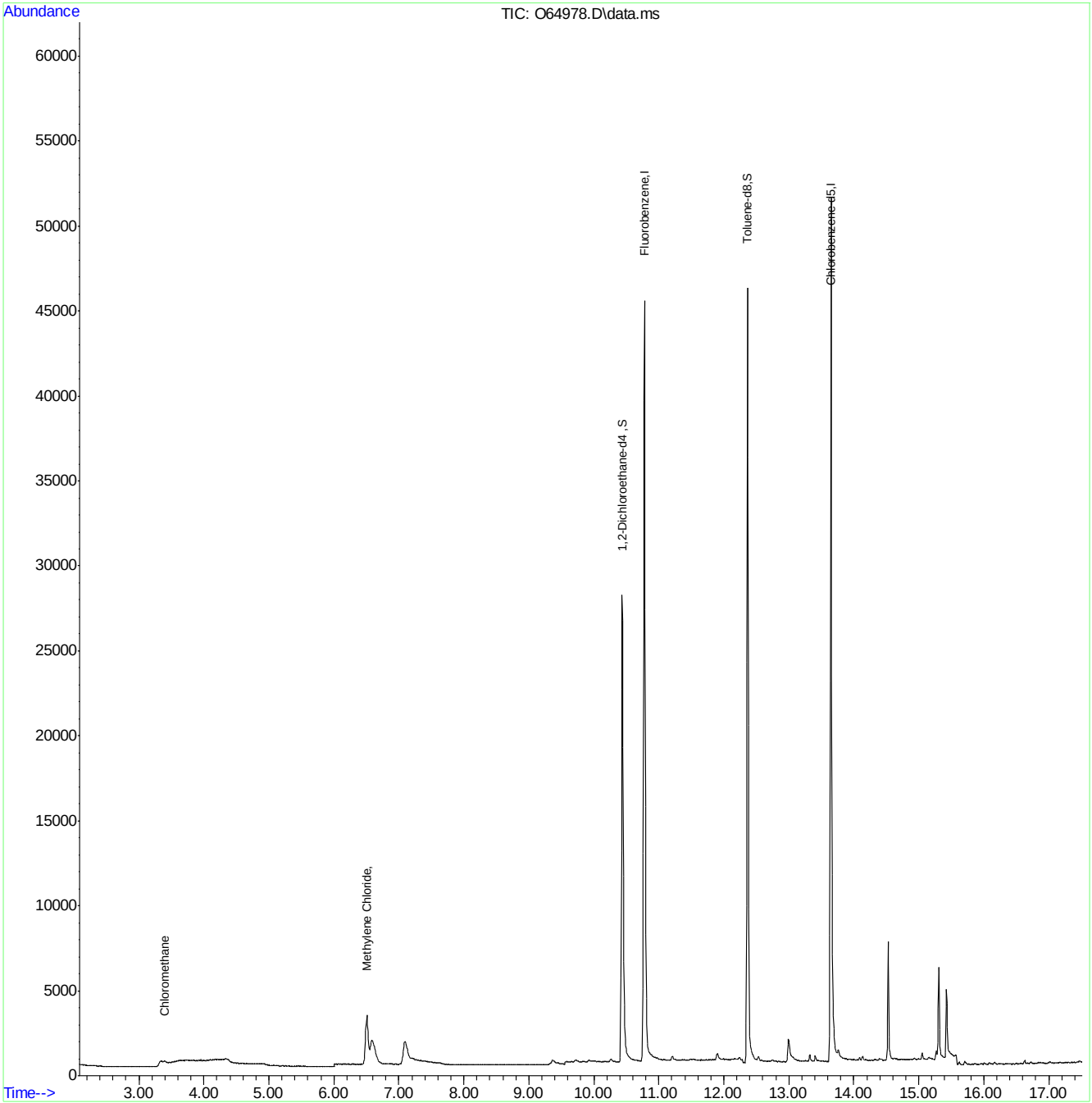
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	52572	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	39446	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27063	6.04	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 120.80%			
19) Toluene-d8	12.367	98	40817	4.71	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.20%			
Target Compounds						Qvalue
3) Chloromethane	3.389	50	2133	0.28	ug/L	76
5) Methylene Chloride	6.506	49	3155	0.04	ug/L	88

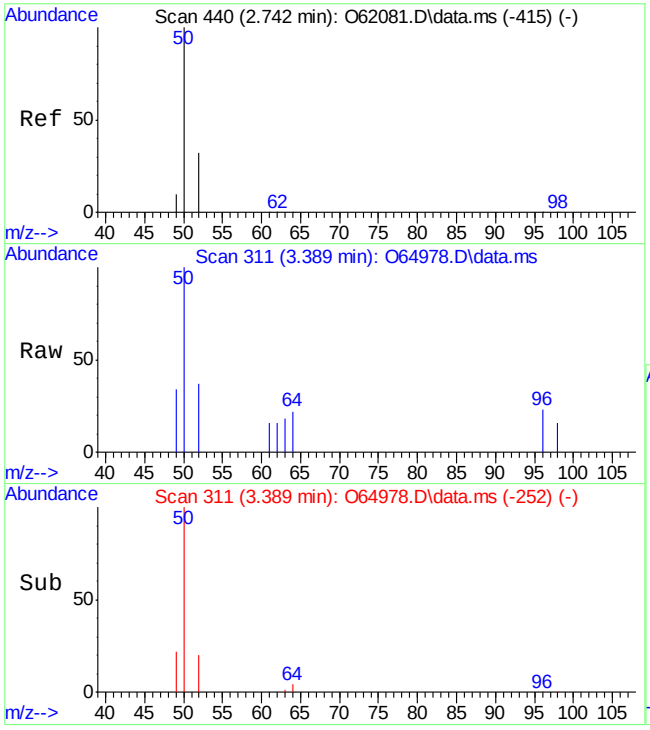
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64978.D
Acq On : 4 Sep 2021 3:33 pm
Operator : CHARLENG
Sample : FA88610-12 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 07 08:38:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

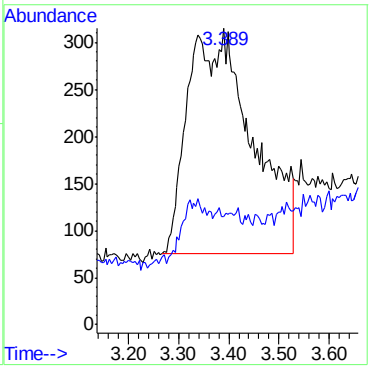


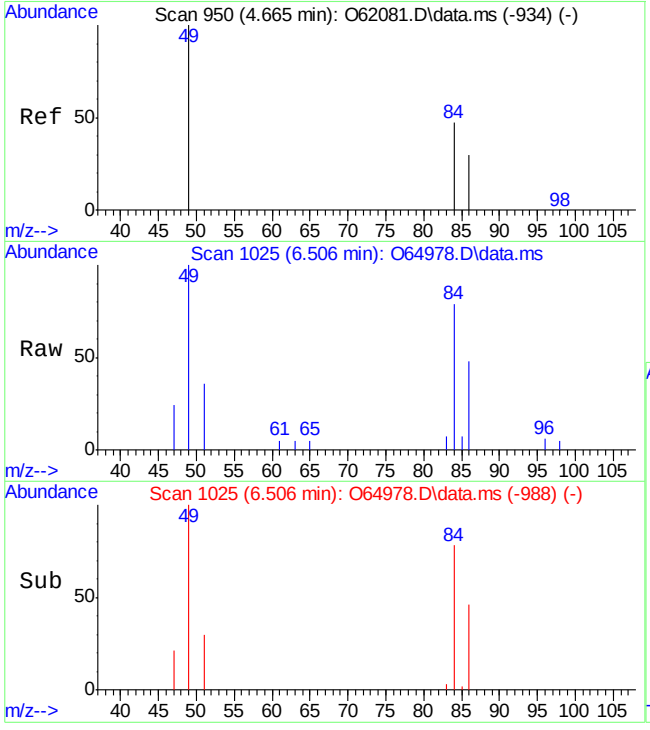


#3
Chloromethane
Concen: 0.28 ug/L
RT: 3.389 min Scan# 311
Delta R.T. 0.046 min
Lab File: O64978.D
Acq: 4 Sep 2021 3:33 pm

Tgt Ion: 50 Resp: 2133

Ion	Ratio	Lower	Upper
50	100		
52	18.0	1.0	61.0

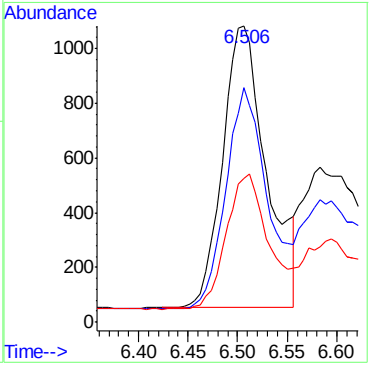




#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64978.D
Acq: 4 Sep 2021 3:33 pm

Tgt Ion: 49 Resp: 3155

Ion	Ratio	Lower	Upper
49	100		
84	78.3	35.5	95.5
86	46.4	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64979.D
Acq On : 4 Sep 2021 3:57 pm
Operator : CHARLENG
Sample : FA88610-13 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 07 08:38:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

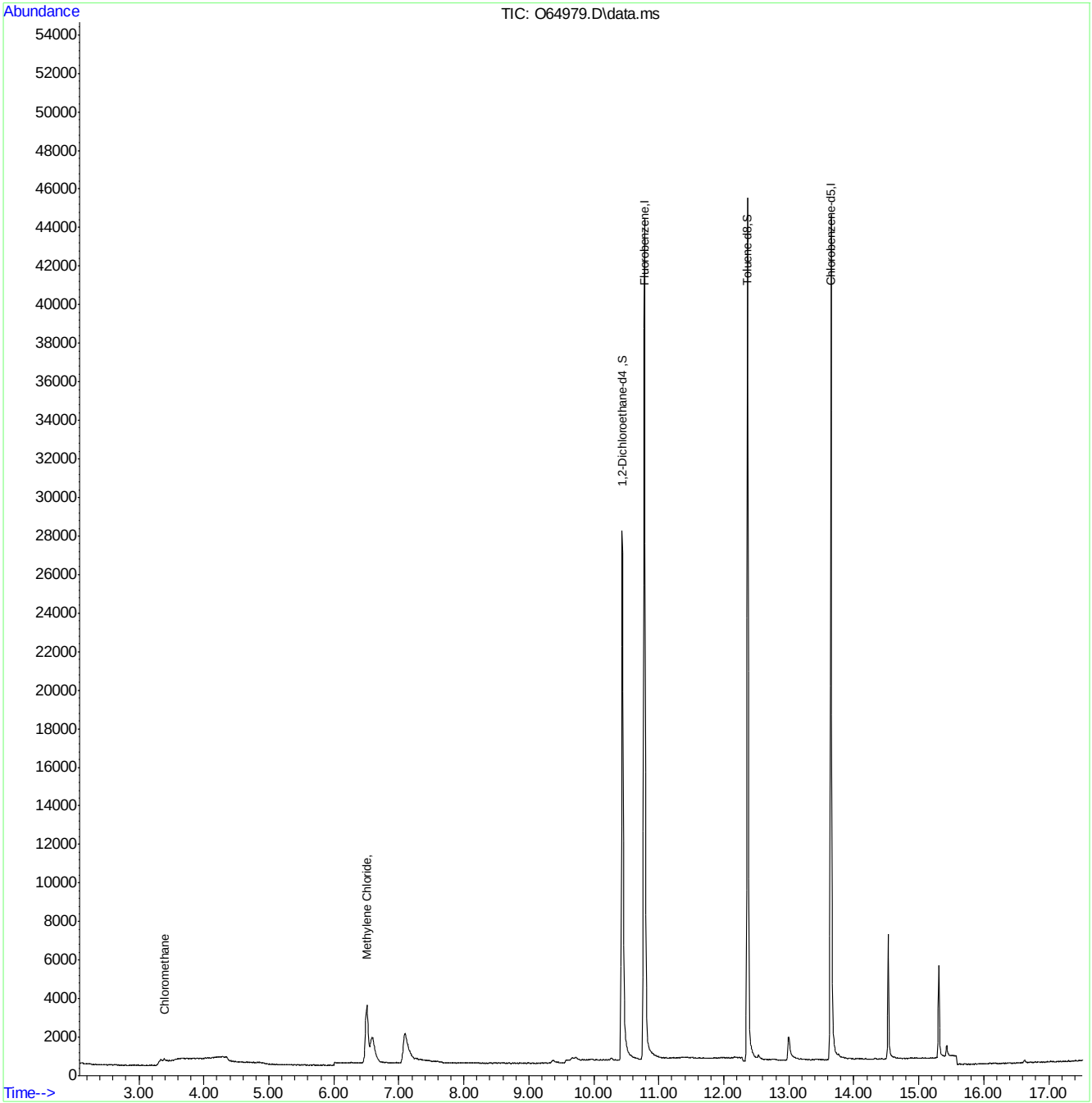
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51917	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37243	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27327	6.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 123.60%			
19) Toluene-d8	12.367	98	41420	5.06	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.20%			
Target Compounds						Qvalue
3) Chloromethane	3.393	50	2114	0.28	ug/L	88
5) Methylene Chloride	6.506	49	3394	0.04	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

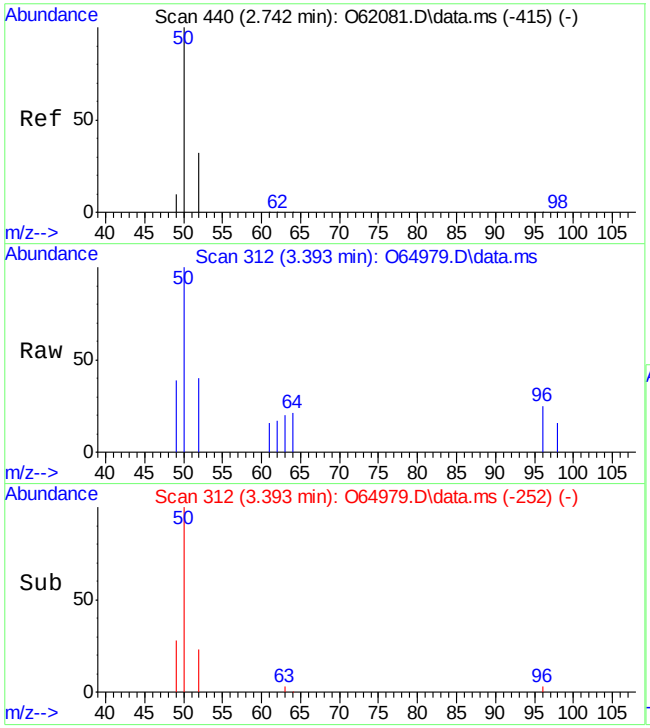
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64979.D
Acq On : 4 Sep 2021 3:57 pm
Operator : CHARLENG
Sample : FA88610-13 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 07 08:38:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



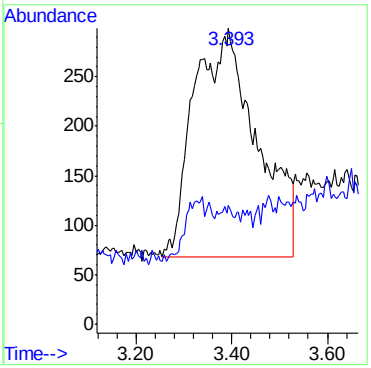
SIMCL-09-03-2021.M Tue Sep 07 09:08:53 2021 Page: 2

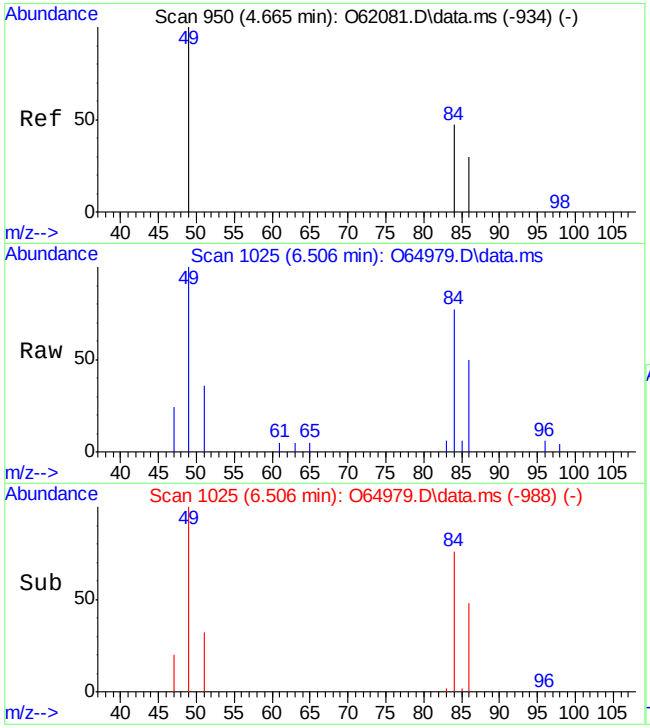


#3
Chloromethane
Concen: 0.28 ug/L
RT: 3.393 min Scan# 312
Delta R.T. 0.050 min
Lab File: O64979.D
Acq: 4 Sep 2021 3:57 pm

Tgt Ion: 50 Resp: 2114

Ion	Ratio	Lower	Upper
50	100		
52	24.2	1.0	61.0

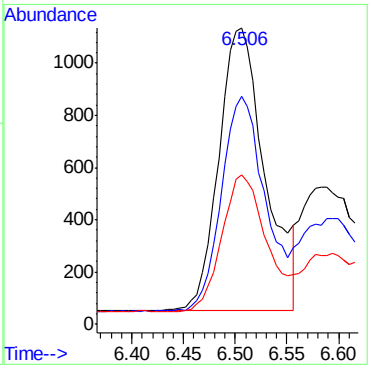




#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64979.D
Acq: 4 Sep 2021 3:57 pm

Tgt Ion: 49 Resp: 3394

Ion	Ratio	Lower	Upper
49	100		
84	75.5	35.5	95.5
86	48.0	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64980.D
Acq On : 4 Sep 2021 4:20 pm
Operator : CHARLENG
Sample : FA88610-14 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 07 08:38:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

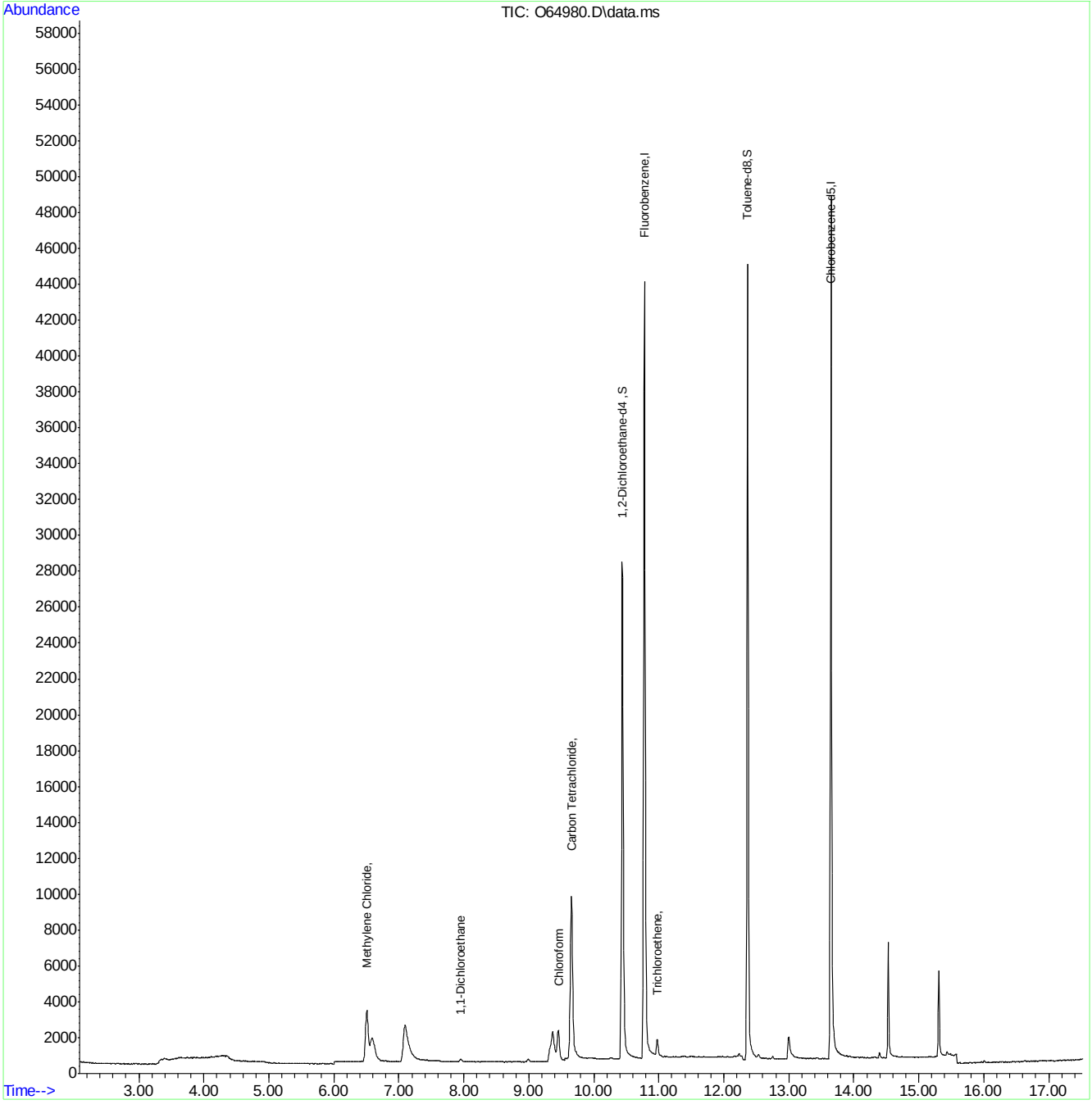
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51265	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37857	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27006	6.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 123.60%			
19) Toluene-d8	12.367	98	39542	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3107	0.04	ug/L	95
7) 1,1-Dichloroethane	7.951	63	236	0.02	ug/L	91
9) Chloroform	9.456	83	1939m	0.16	ug/L	
10) Carbon Tetrachloride	9.656	117	8731	1.12	ug/L	98
15) Trichloroethene	10.980	95	461	0.07	ug/L	92

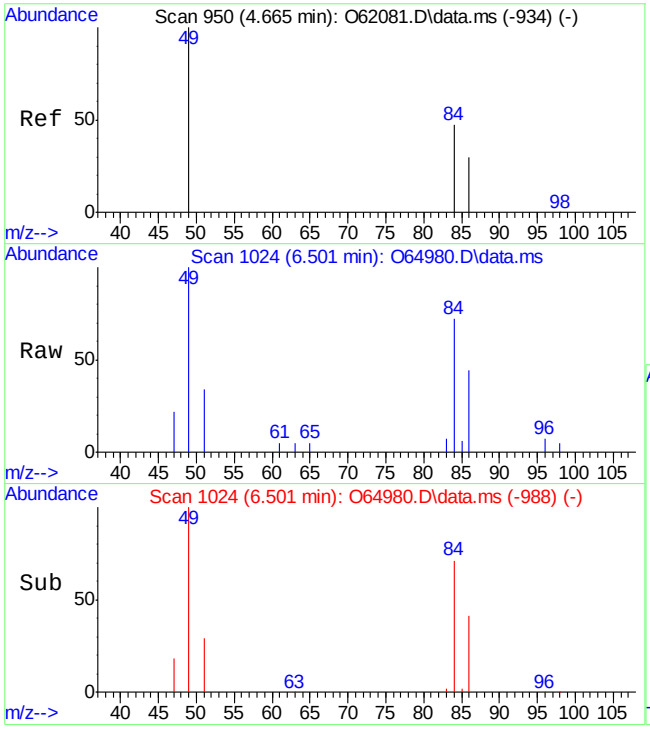
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64980.D
Acq On : 4 Sep 2021 4:20 pm
Operator : CHARLENG
Sample : FA88610-14 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 07 08:38:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

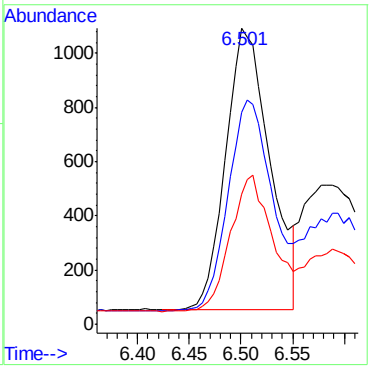


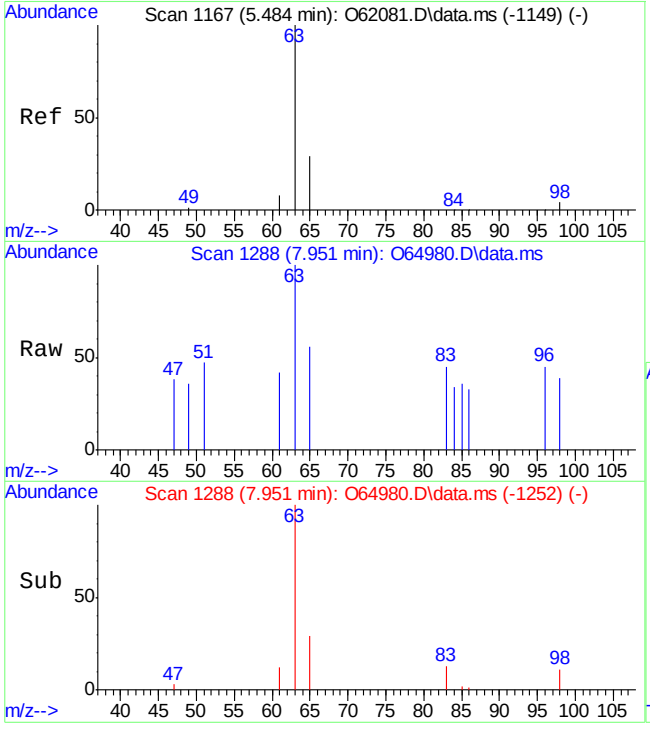


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64980.D
Acq: 4 Sep 2021 4:20 pm

Tgt Ion: 49 Resp: 3107

Ion	Ratio	Lower	Upper
49	100		
84	70.4	35.5	95.5
86	41.4	12.8	72.8

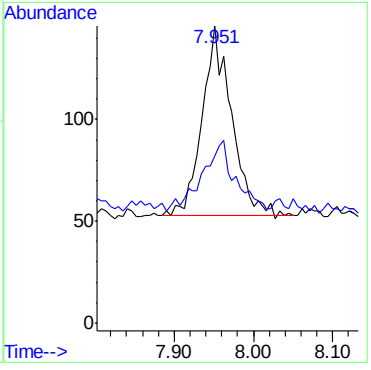


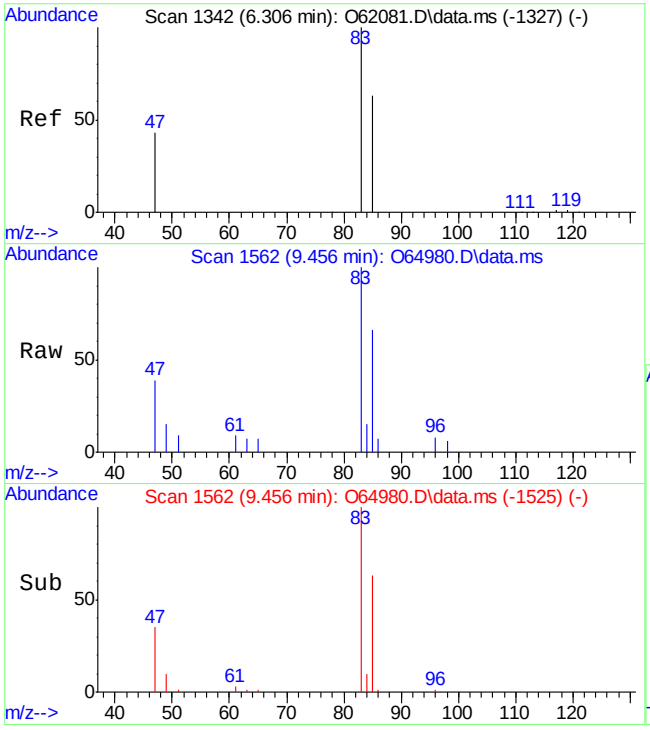


#7
1,1-Dichloroethane
Concen: 0.02 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. -0.000 min
Lab File: O64980.D
Acq: 4 Sep 2021 4:20 pm

Tgt Ion: 63 Resp: 236

Ion	Ratio	Lower	Upper
63	100		
65	24.7	0.0	59.6

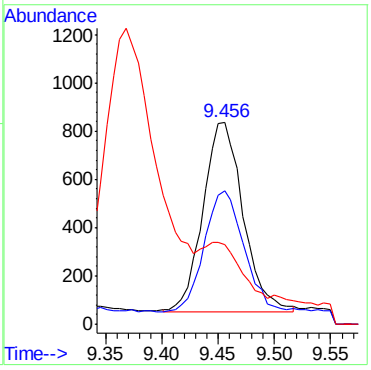


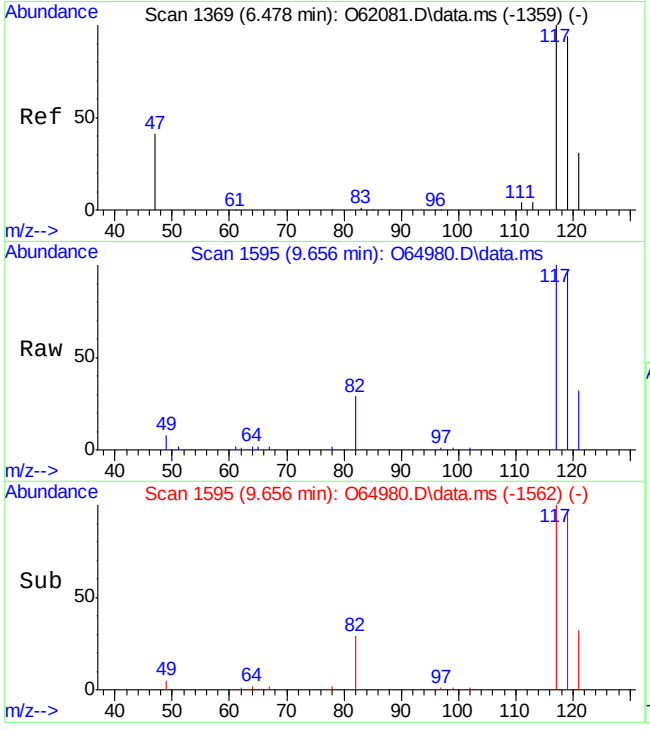


#9
Chloroform
Concen: 0.16 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64980.D
Acq: 4 Sep 2021 4:20 pm

Tgt Ion: 83 Resp: 1939

Ion	Ratio	Lower	Upper
83	100		
85	65.9	33.7	93.7
47	39.4	5.1	65.1

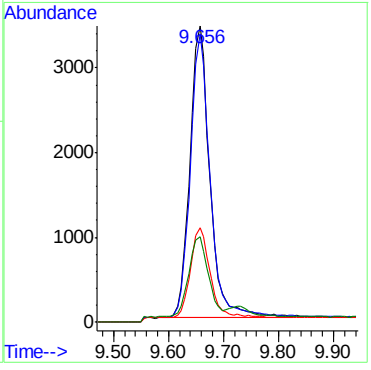


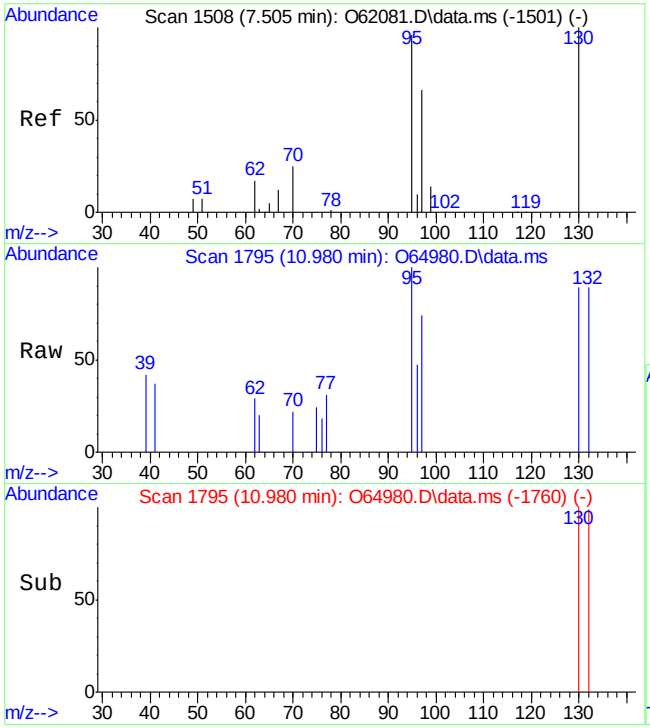


#10
Carbon Tetrachloride
Concen: 1.12 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64980.D
Acq: 4 Sep 2021 4:20 pm

Tgt Ion:117 Resp: 8731

Ion	Ratio	Lower	Upper
117	100		
119	97.1	68.2	128.2
121	31.0	1.1	61.1
82	27.4	0.0	54.2

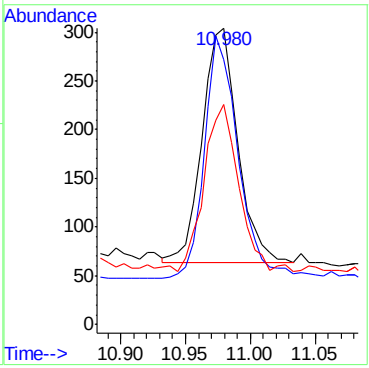




#15
Trichloroethene
Concen: 0.07 ug/L
RT: 10.980 min Scan# 1795
Delta R.T. 0.006 min
Lab File: O64980.D
Acq: 4 Sep 2021 4:20 pm

Tgt Ion: 95 Resp: 461

Ion	Ratio	Lower	Upper
95	100		
130	93.4	69.9	129.9
97	71.4	34.0	94.0



Manual Integration Approval Summary

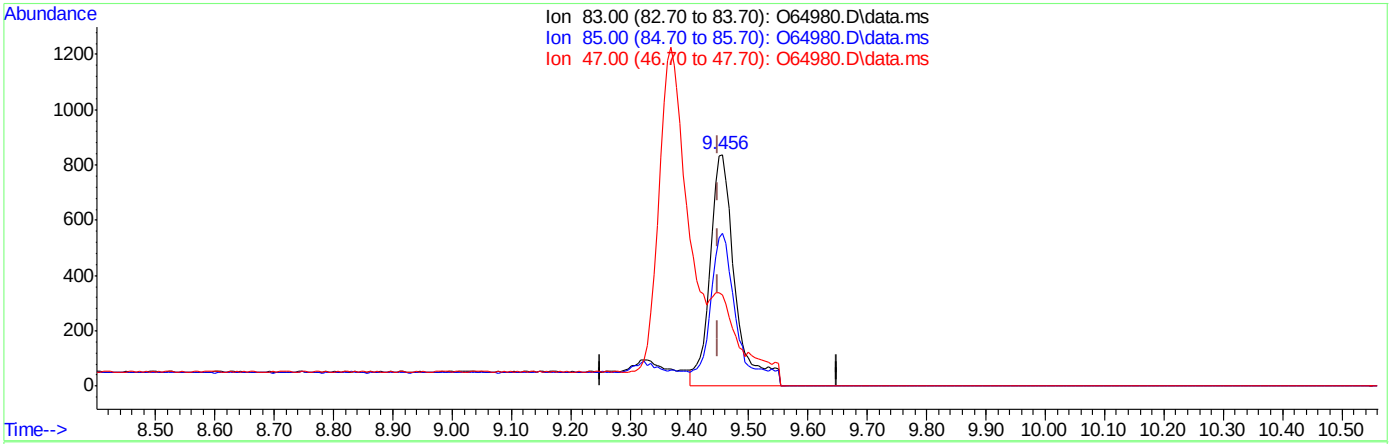
Sample Number: FA88610-14
Lab FileID: O64980.D
Injection Time: 09/04/21 16:20
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

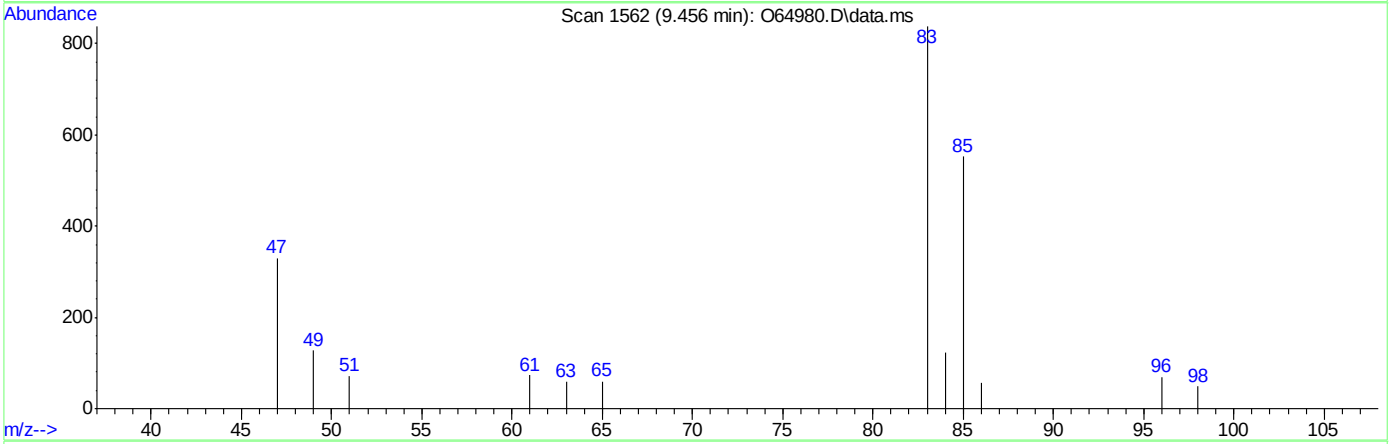
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64980.D
Acq On : 4 Sep 2021 4:20 pm
Operator : CHARLENG
Sample : FA88610-14 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 07 07:52:35 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64980.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.20ug/L

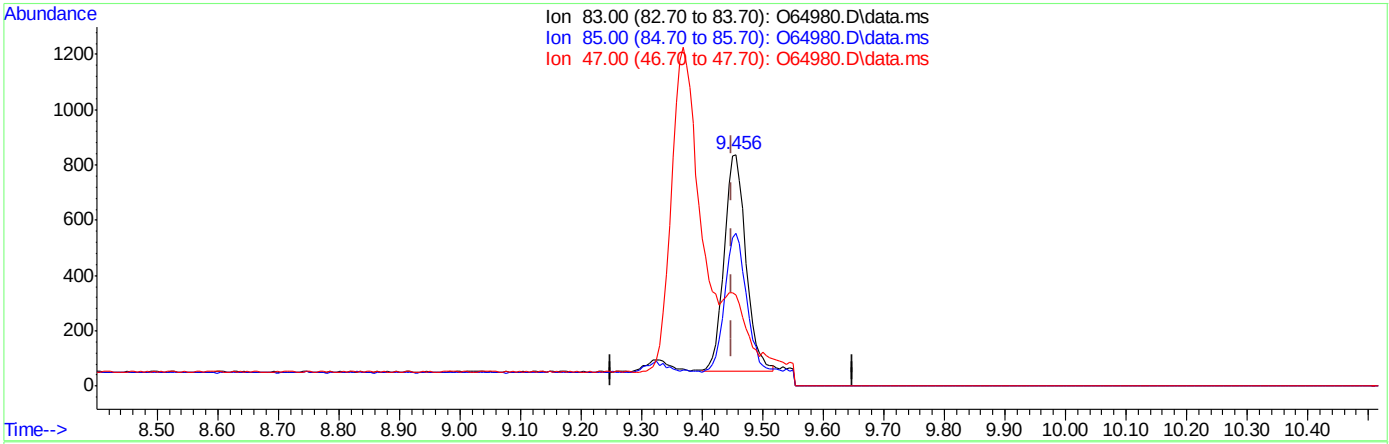
response 2455

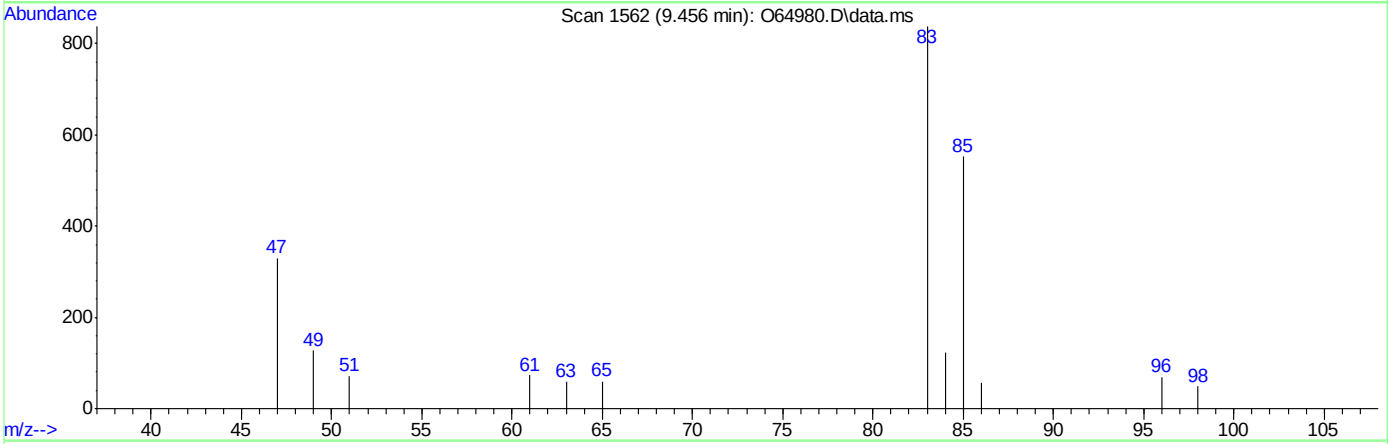
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.87
47.00	35.10	39.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64980.D
Acq On : 4 Sep 2021 4:20 pm
Operator : CHARLENG
Sample : FA88610-14 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 07 07:52:35 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64980.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.16ug/L m

response 1939

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.87
47.00	35.10	39.38
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 08:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

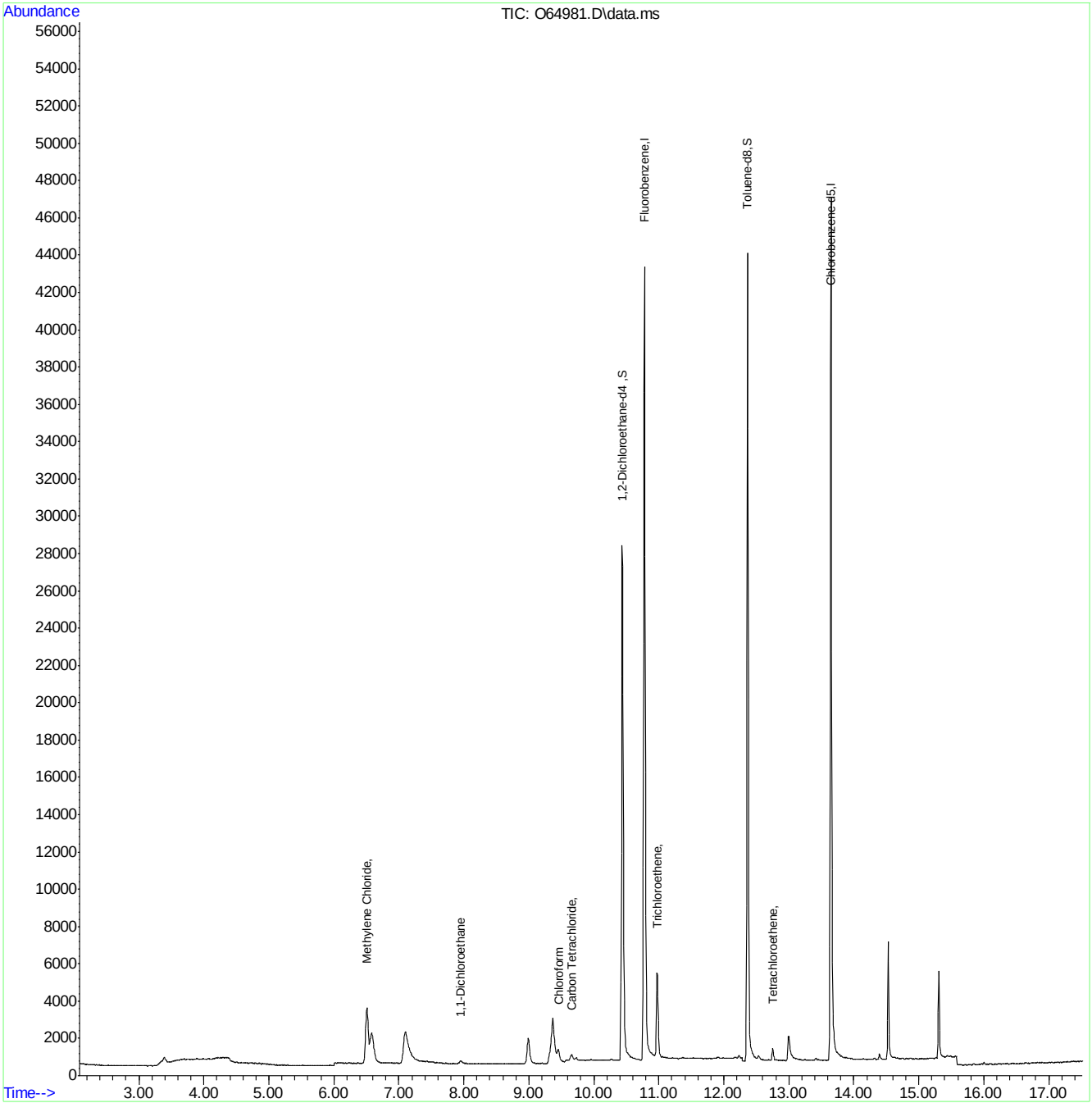
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	49948	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36767	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26731	6.28	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 125.60%#			
19) Toluene-d8	12.367	98	38378	4.75	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3217	0.04	ug/L	95
7) 1,1-Dichloroethane	7.945	63	249	0.02	ug/L	84
9) Chloroform	9.456	83	597m	0.05	ug/L	
10) Carbon Tetrachloride	9.656	117	268m	0.04	ug/L	
15) Trichloroethene	10.974	95	2288	0.35	ug/L	94
21) Tetrachloroethene	12.758	166	271	0.05	ug/L	88

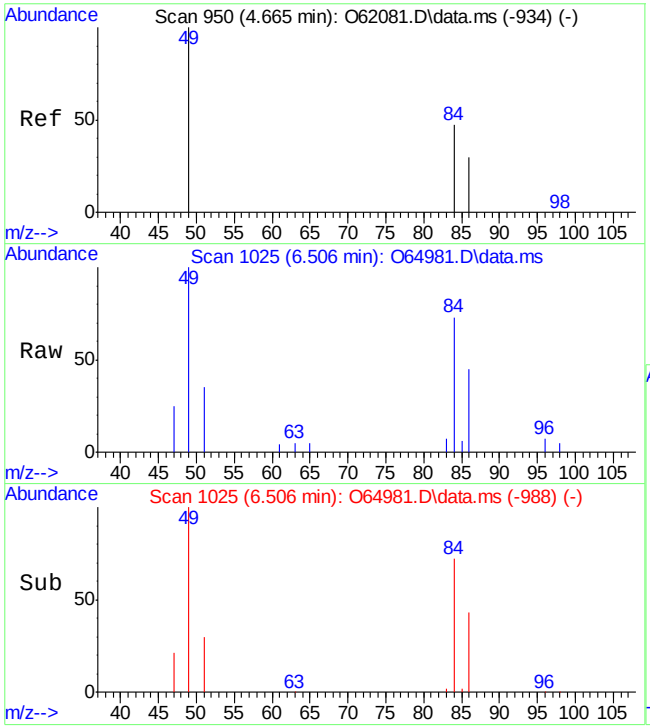
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 08:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

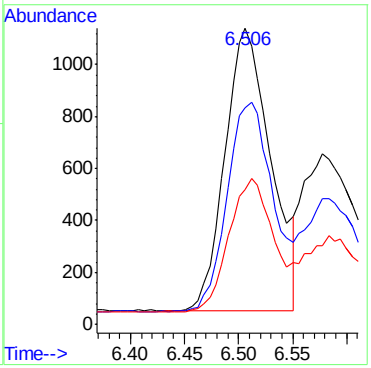


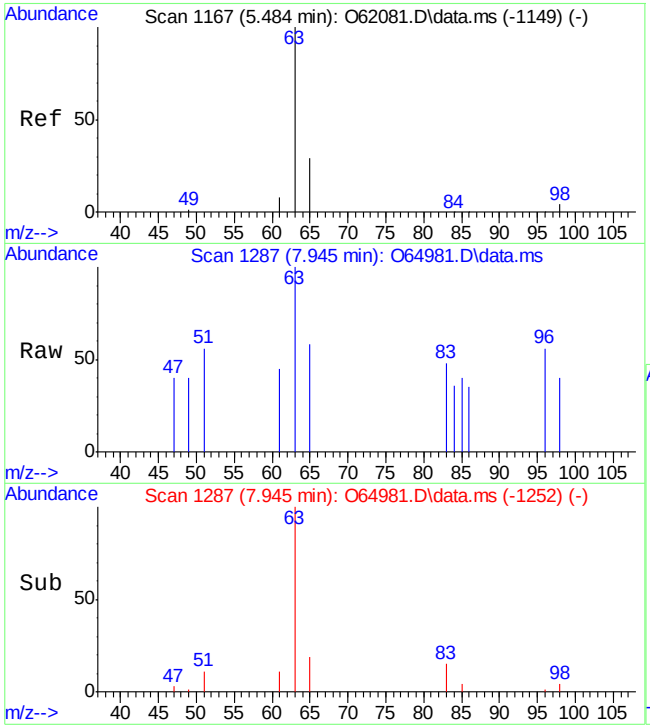


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion: 49 Resp: 3217

Ion	Ratio	Lower	Upper
49	100		
84	71.7	35.5	95.5
86	43.2	12.8	72.8

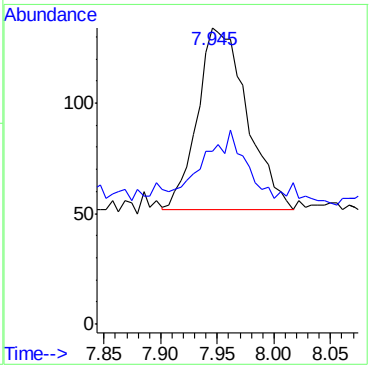


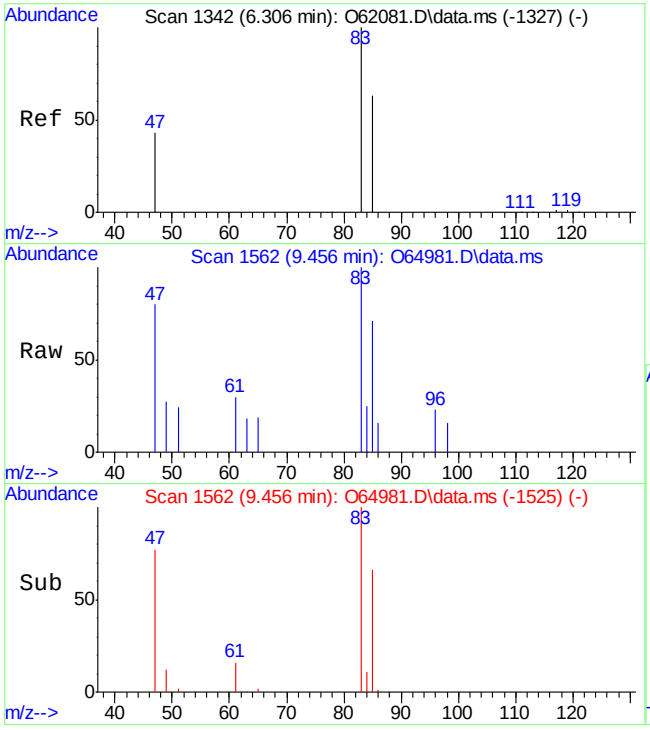


#7
1,1-Dichloroethane
Concen: 0.02 ug/L
RT: 7.945 min Scan# 1287
Delta R.T. -0.006 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion: 63 Resp: 249

Ion	Ratio	Lower	Upper
63	100		
65	20.7	0.0	59.6

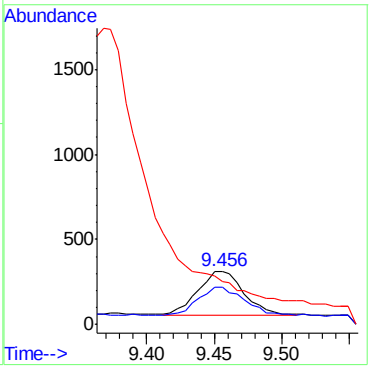


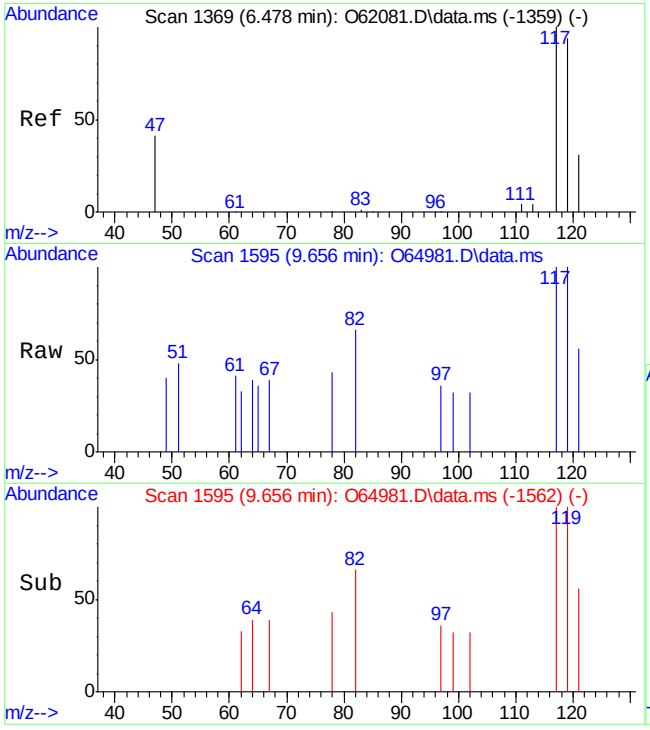


#9
Chloroform
Concen: 0.05 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion: 83 Resp: 597

Ion	Ratio	Lower	Upper
83	100		
85	70.8	33.7	93.7
47	80.4	5.1	65.1#

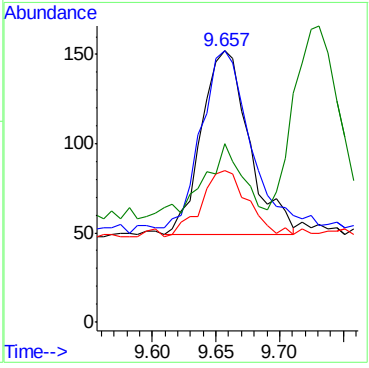


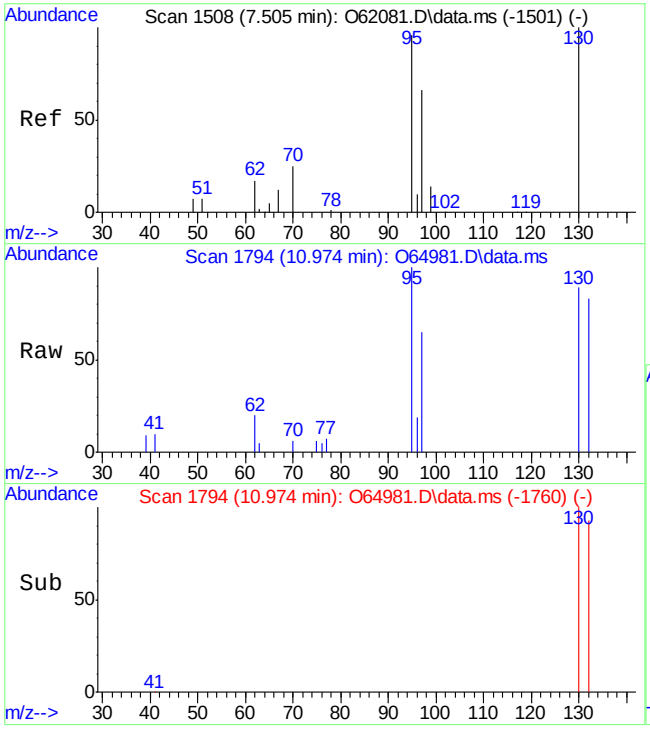


#10
Carbon Tetrachloride
Concen: 0.04 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion:117 Resp: 268

Ion	Ratio	Lower	Upper
117	100		
119	100.0	68.2	128.2
121	55.9	1.1	61.1
82	65.8	0.0	54.2#

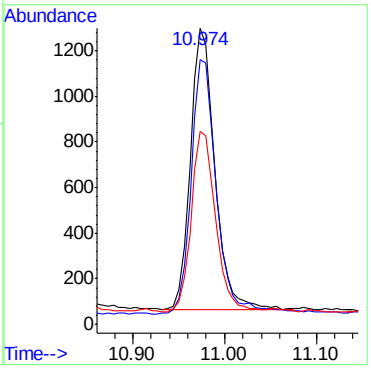


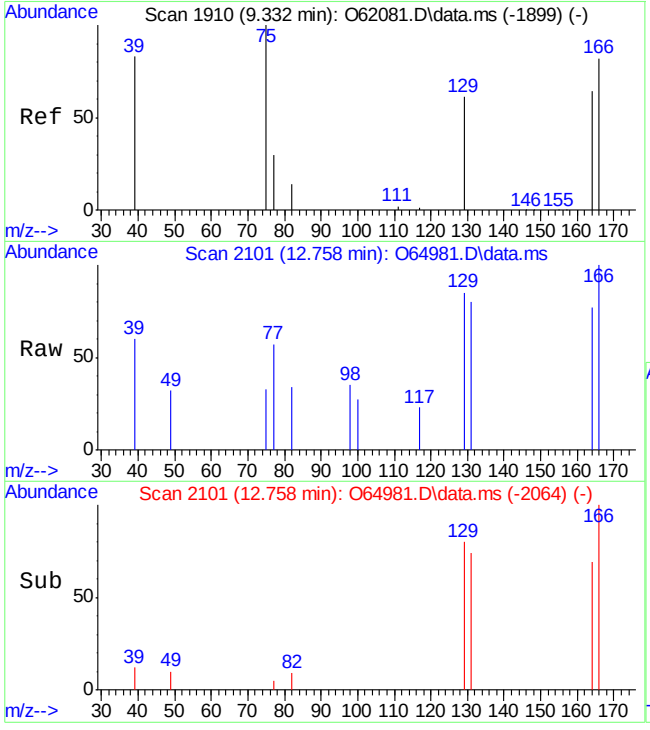


#15
Trichloroethene
Concen: 0.35 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion: 95 Resp: 2288

Ion	Ratio	Lower	Upper
95	100		
130	90.0	69.9	129.9
97	64.0	34.0	94.0

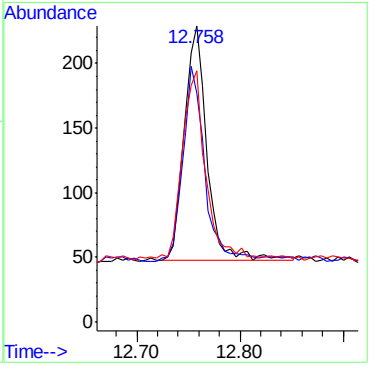




#21
Tetrachloroethene
Concen: 0.05 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64981.D
Acq: 4 Sep 2021 4:43 pm

Tgt Ion:166 Resp: 271

Ion	Ratio	Lower	Upper
166	100		
164	70.7	48.0	108.0
129	80.1	36.6	96.6



Manual Integration Approval Summary

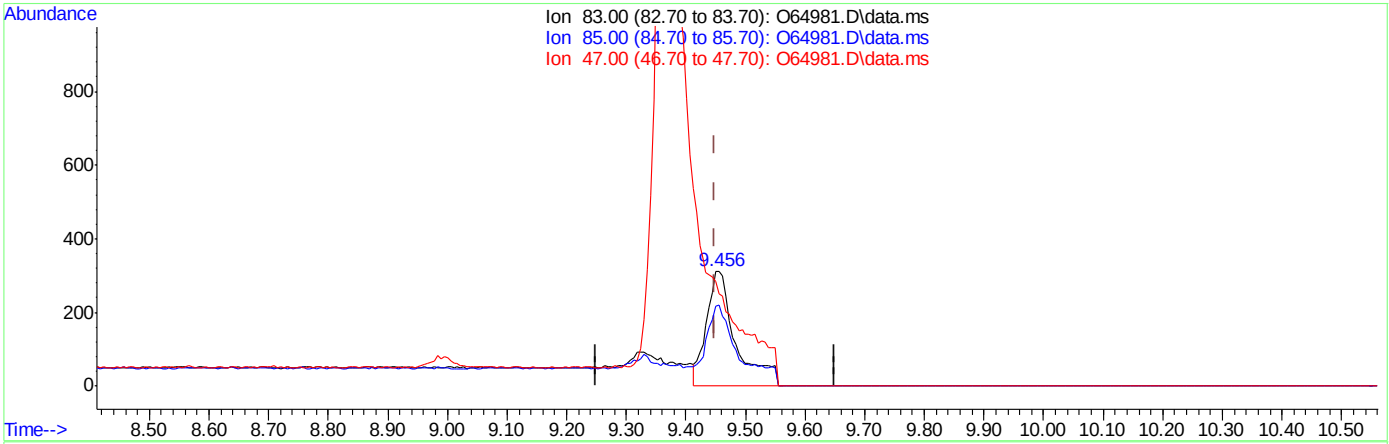
Sample Number:	FA88610-15	**Method:**	SW846 8260B BY SIM
Lab FileID:	O64981.D	**Analyst approved:**	09/07/21 09:04 Charlene Gonzalez
Injection Time:	09/04/21 16:43	**Supervisor approved:**	09/08/21 14:27 Chelsea VanDenBurg

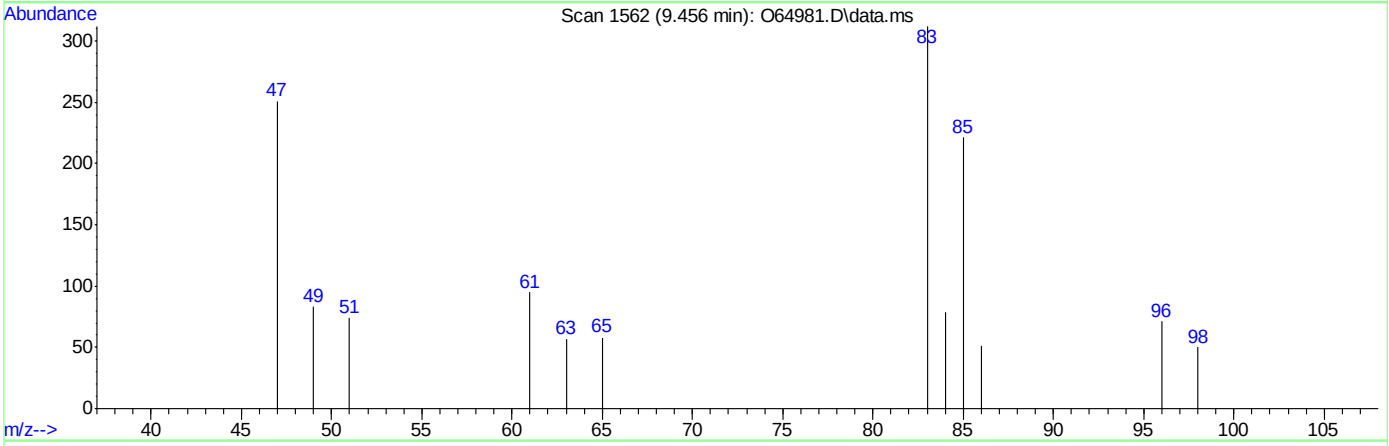
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 07:52:37 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64981.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.09ug/L

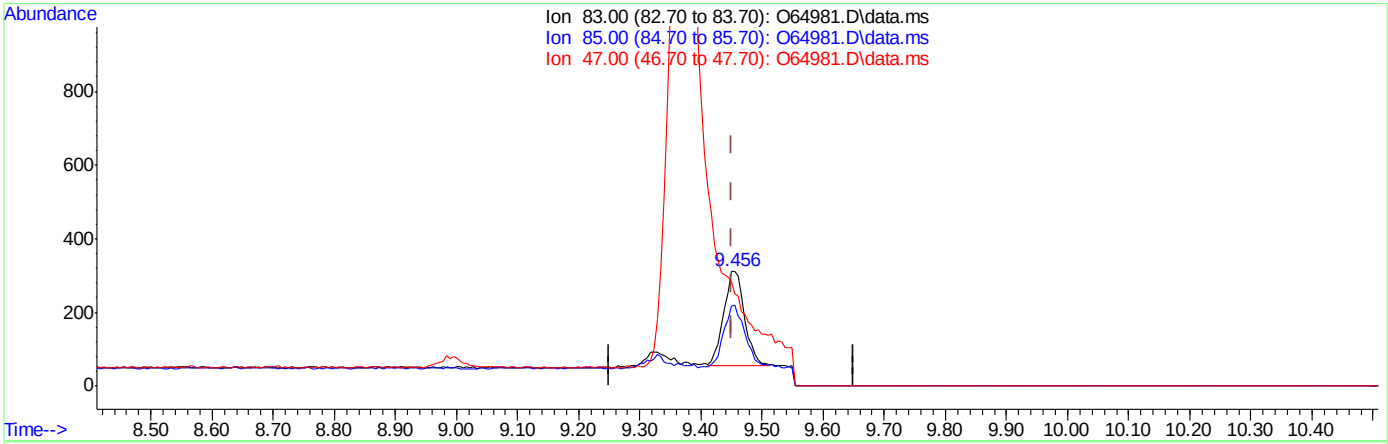
response 1072

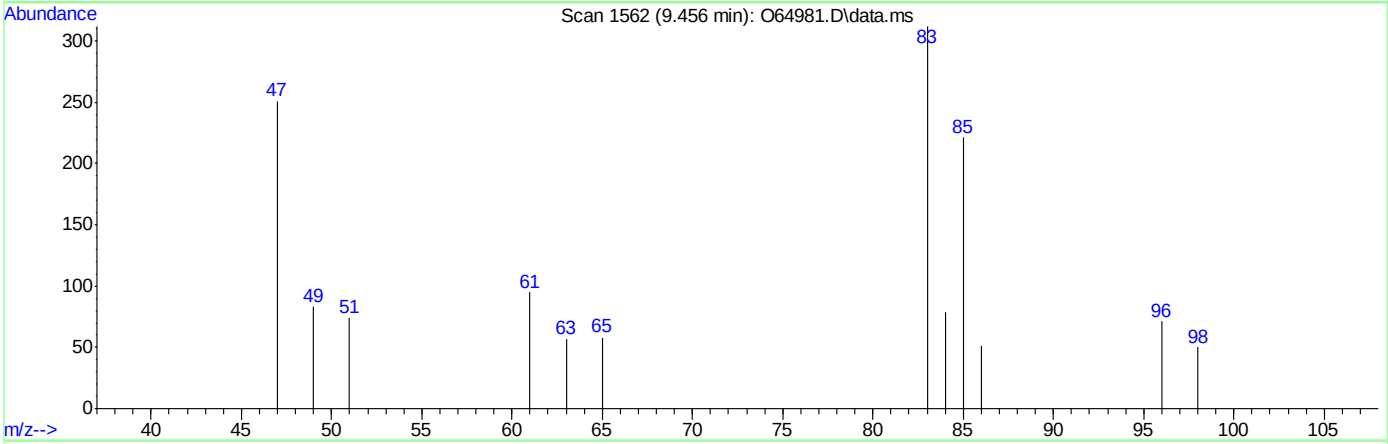
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	70.83
47.00	35.10	80.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 07:52:37 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64981.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.05ug/L m

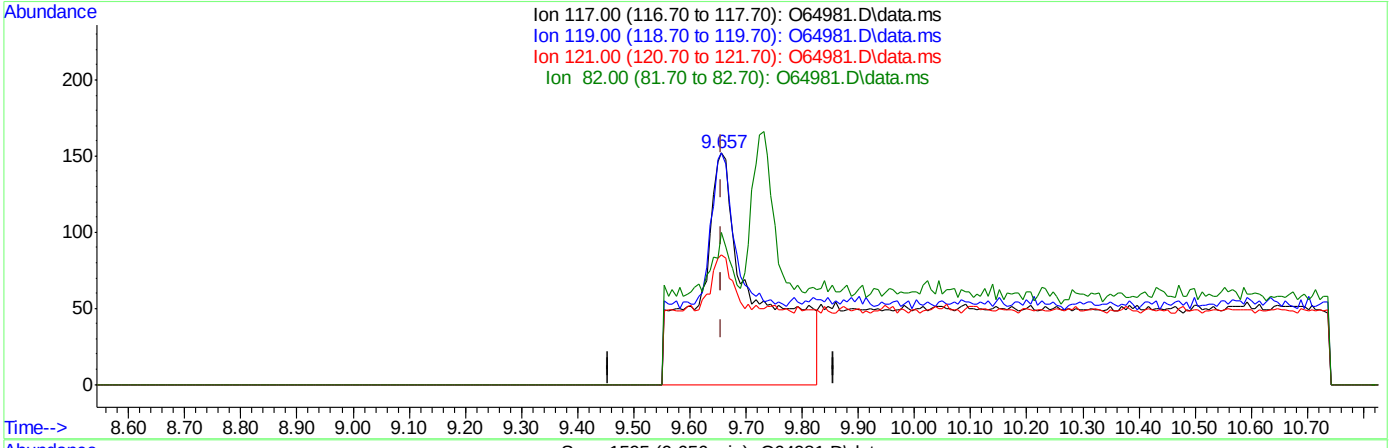
response 597

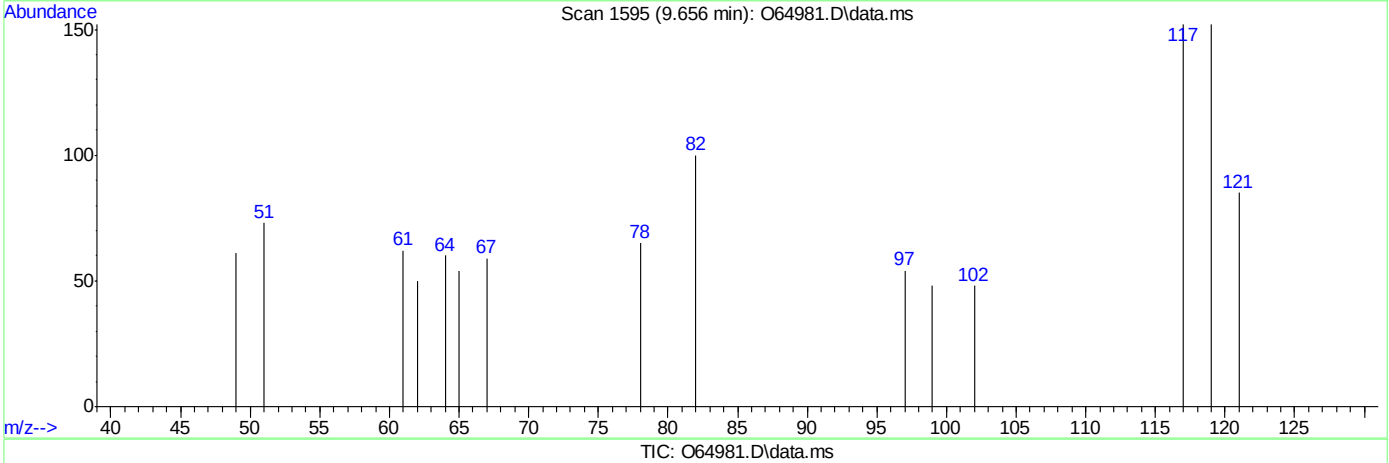
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	70.83
47.00	35.10	80.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 07:52:37 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64981.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.14ug/L

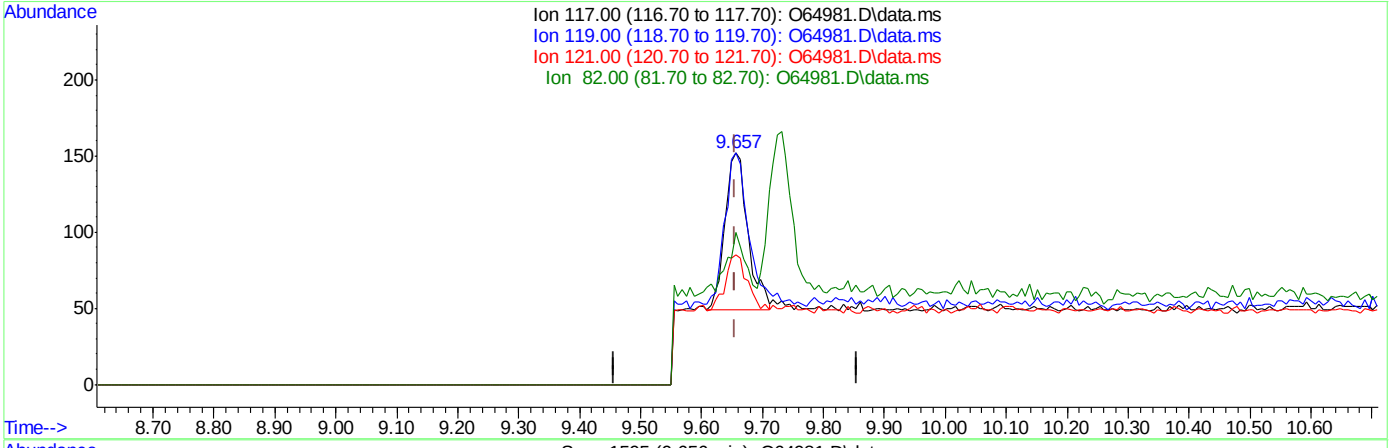
response 1092

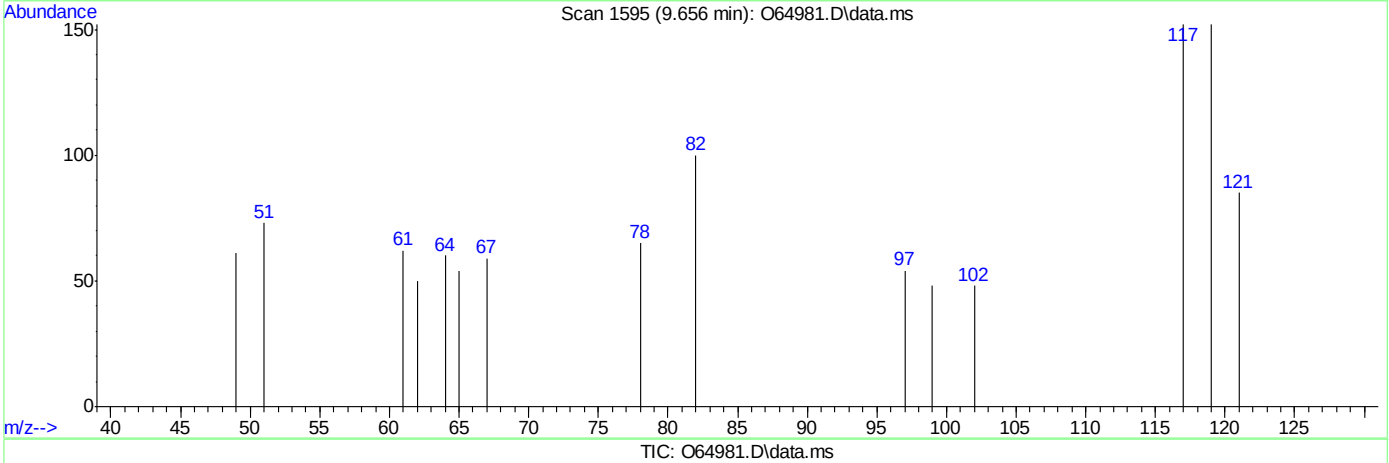
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	55.92
82.00	24.20	65.79#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64981.D
Acq On : 4 Sep 2021 4:43 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 07 07:52:37 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64981.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.04ug/L m

response 268

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	55.92
82.00	24.20	65.79#

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:33

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:39:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	63906	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48148	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	36244	7.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 140.40%#			
19) Toluene-d8	12.367	98	48379	4.62	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	1364	0.13	ug/L	93
7) 1,1-Dichloroethane	7.951	63	244	0.02	ug/L	95
9) Chloroform	9.456	83	632m	0.05	ug/L	
10) Carbon Tetrachloride	9.657	117	222m	0.05	ug/L	
15) Trichloroethene	10.974	95	2074	0.33	ug/L	92
21) Tetrachloroethene	12.752	166	244	0.04	ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

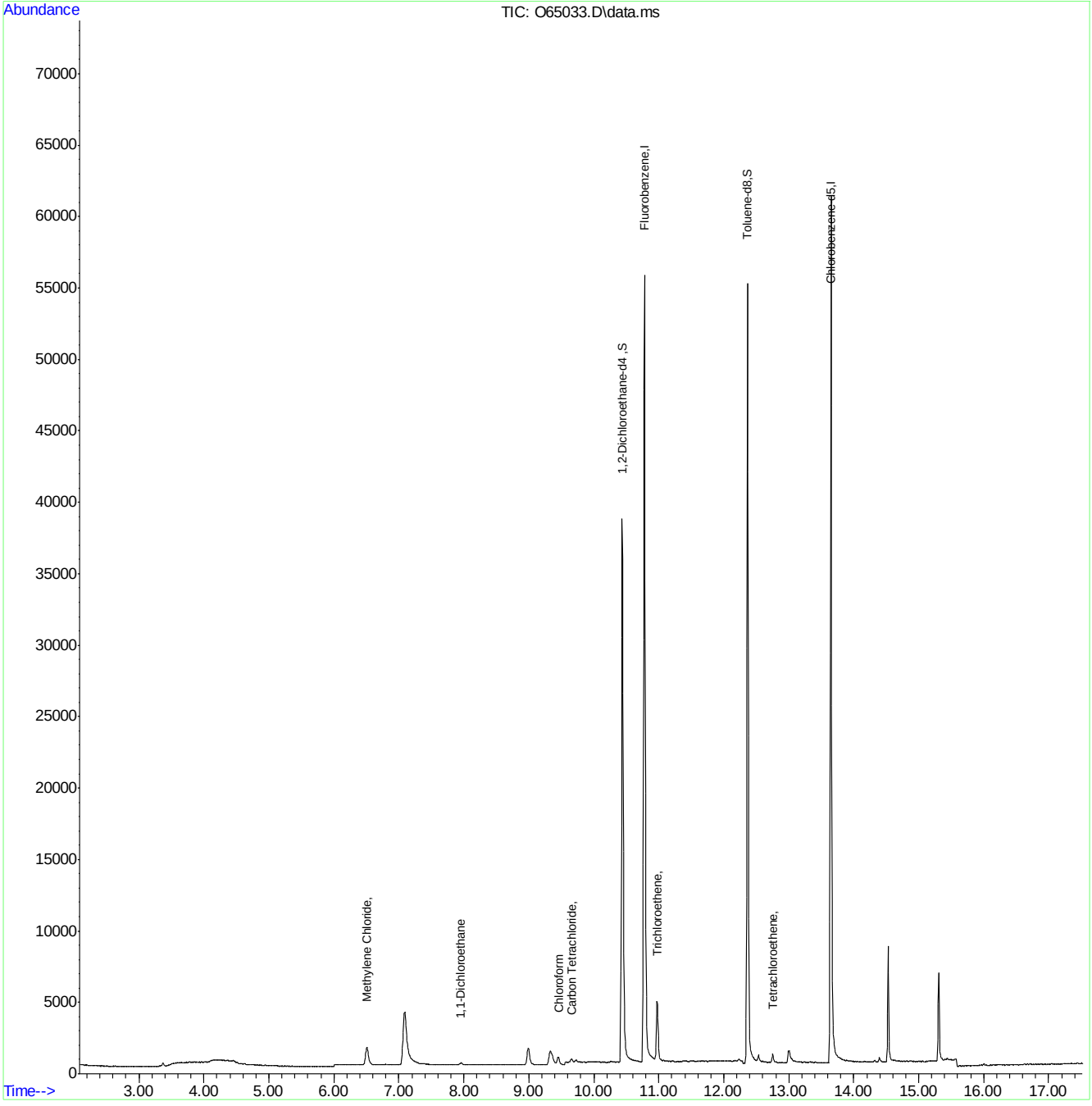
7.1.16

7

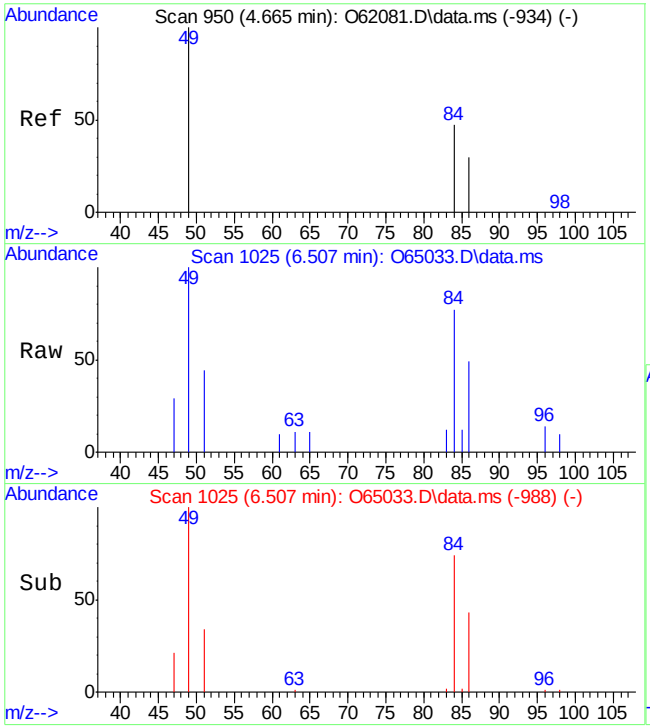
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:39:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



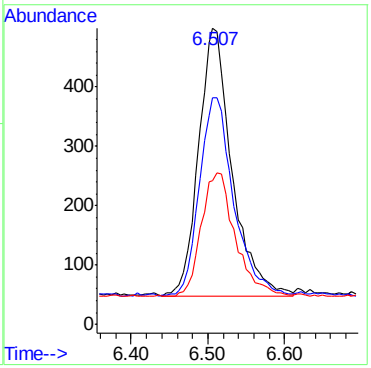
SIMCL-09-07-2021.M Wed Sep 08 07:55:44 2021 Page: 2

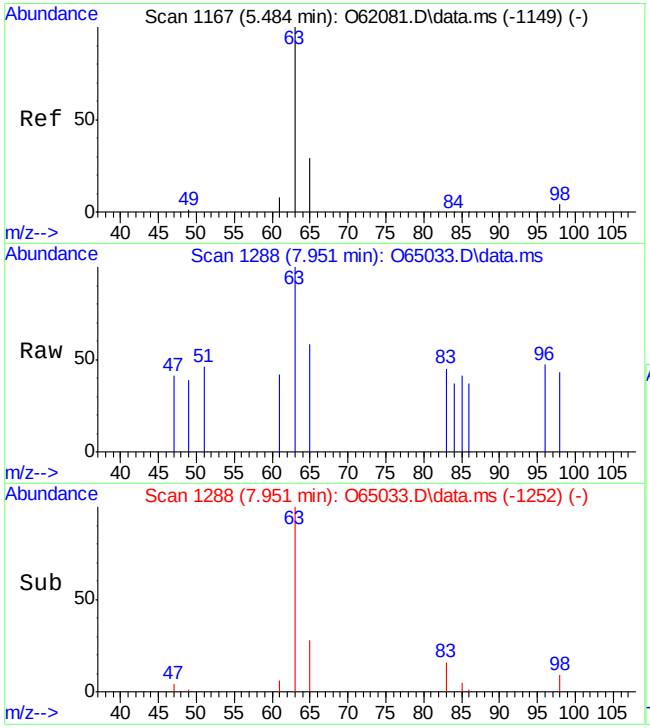


#5
Methylene Chloride
Concen: 0.13 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. 0.001 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion: 49 Resp: 1364

Ion	Ratio	Lower	Upper
49	100		
84	73.8	35.5	95.5
86	43.2	12.8	72.8

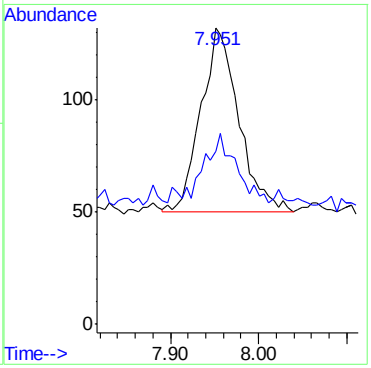


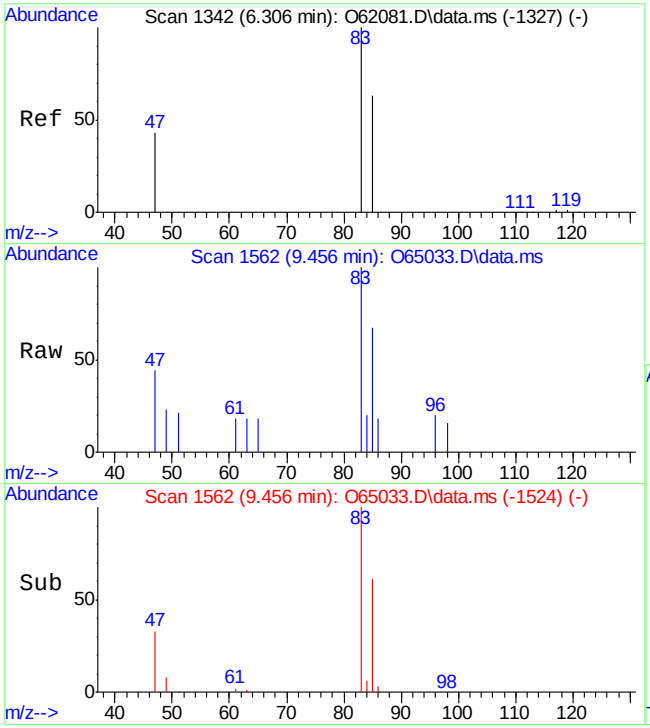


#7
1,1-Dichloroethane
Concen: 0.02 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. 0.000 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion: 63 Resp: 244

Ion	Ratio	Lower	Upper
63	100		
65	26.8	0.0	59.6

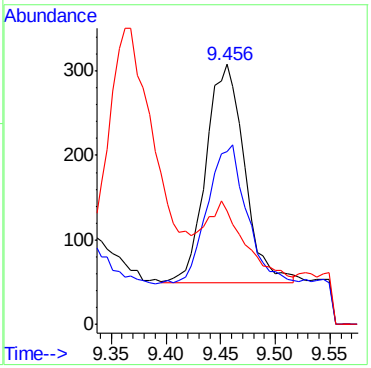


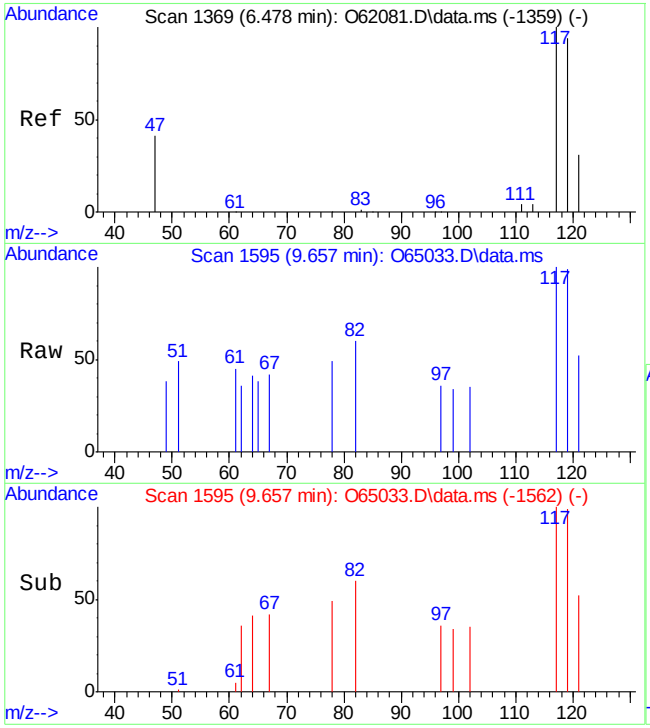


#9
Chloroform
Concen: 0.05 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion: 83 Resp: 632

Ion	Ratio	Lower	Upper
83	100		
85	66.6	33.7	93.7
47	43.5	5.1	65.1

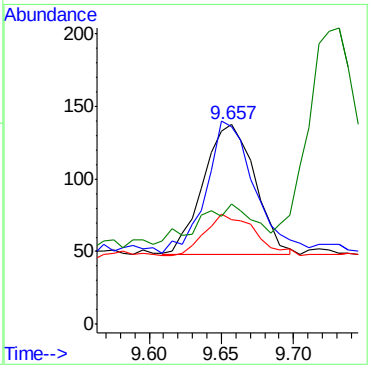


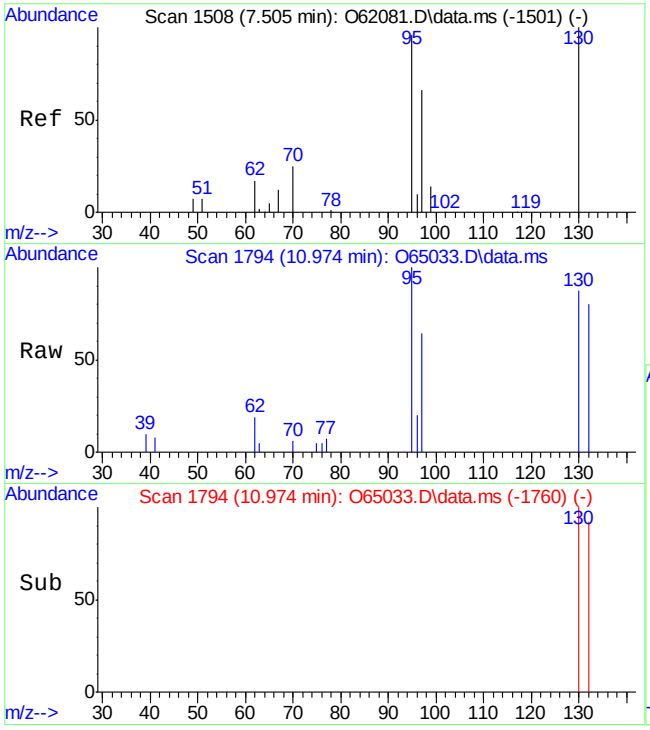


#10
Carbon Tetrachloride
Concen: 0.05 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion:117 Resp: 222

Ion	Ratio	Lower	Upper
117	100		
119	98.6	68.2	128.2
121	52.2	1.1	61.1
82	60.1	0.0	54.2#

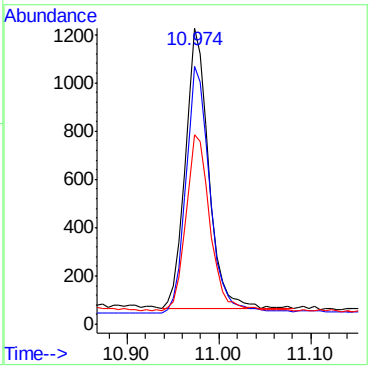


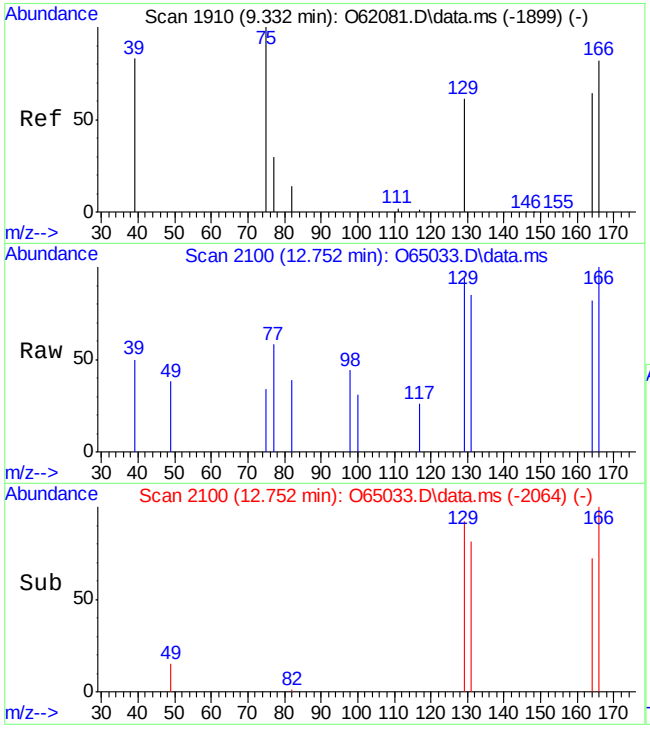


#15
Trichloroethene
Concen: 0.33 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion: 95 Resp: 2074

Ion	Ratio	Lower	Upper
95	100		
130	87.8	69.9	129.9
97	62.8	34.0	94.0

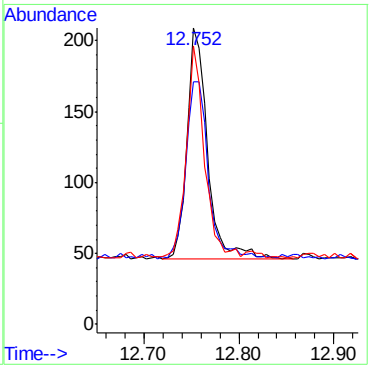




#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O65033.D
Acq: 7 Sep 2021 10:26 pm

Tgt Ion:166 Resp: 244

Ion	Ratio	Lower	Upper
166	100		
164	75.5	48.0	108.0
129	90.8	36.6	96.6



Manual Integration Approval Summary

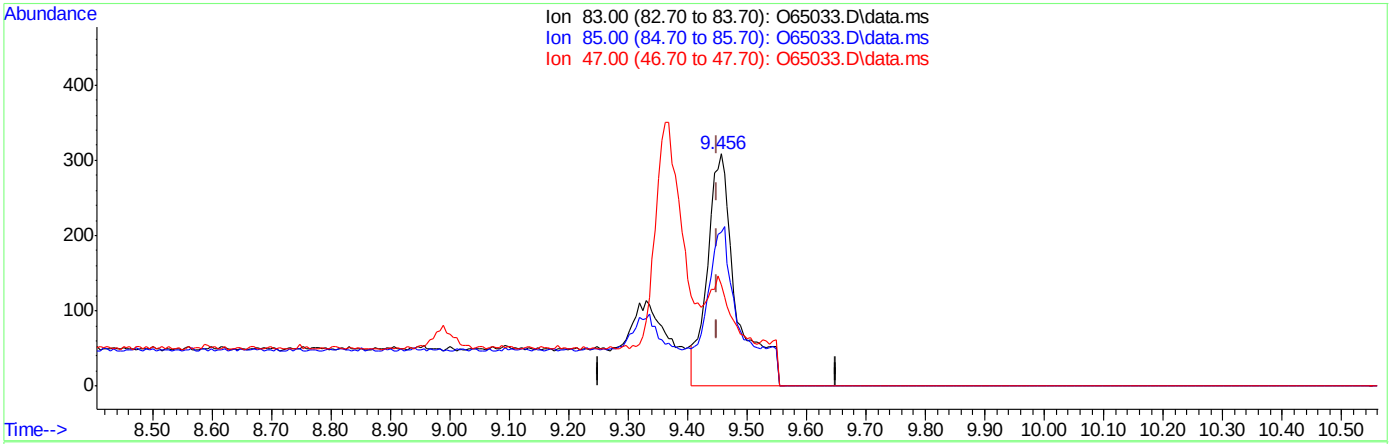
Sample Number: FA88610-15
Lab FileID: O65033.D
Injection Time: 09/07/21 22:26
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:00 Charlene Gonzalez
Supervisor approved: 09/08/21 10:33 Sean Pioro

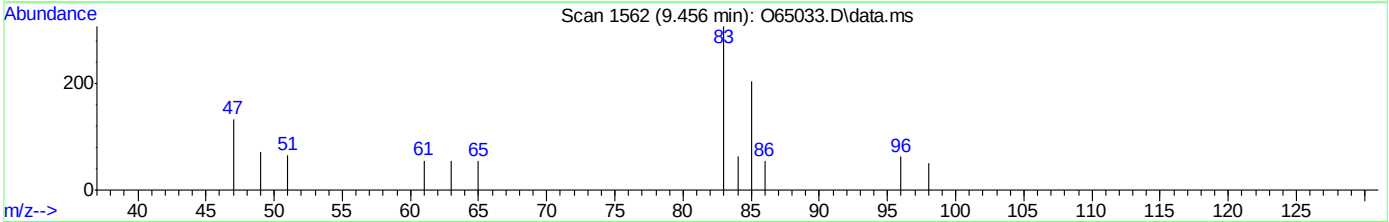
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

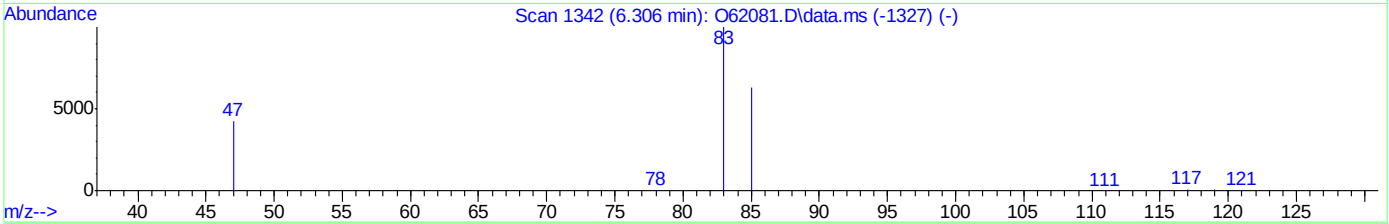
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:33:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65033.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.09ug/L

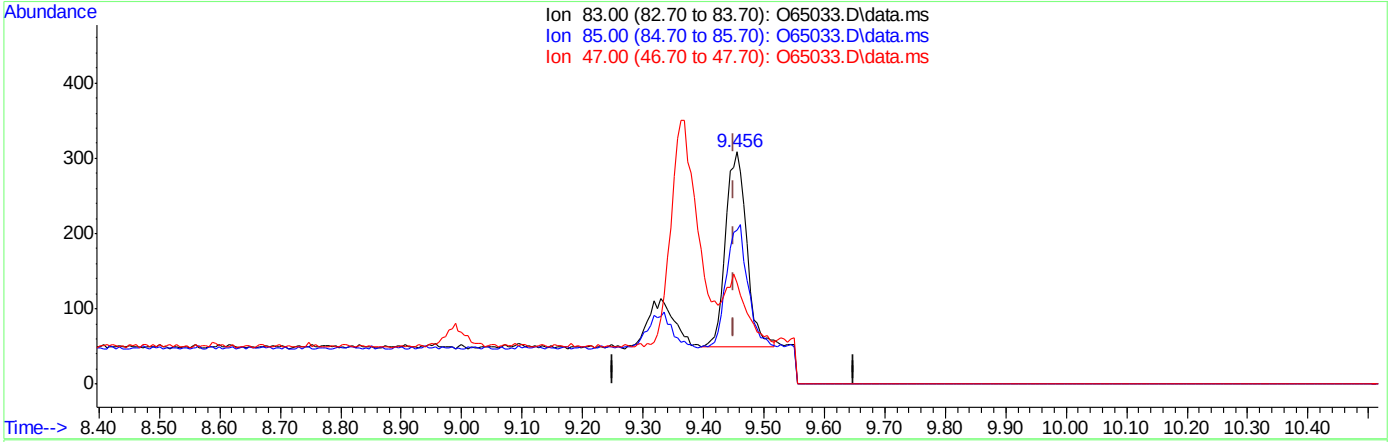
response 1066

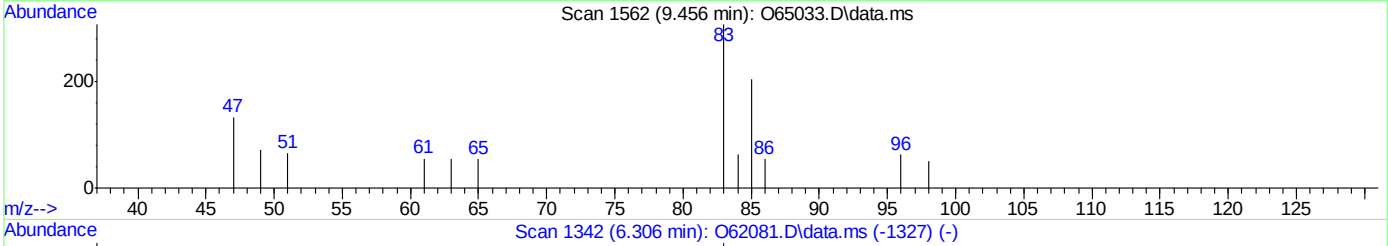
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.56
47.00	35.10	43.51
0.00	0.00	0.00

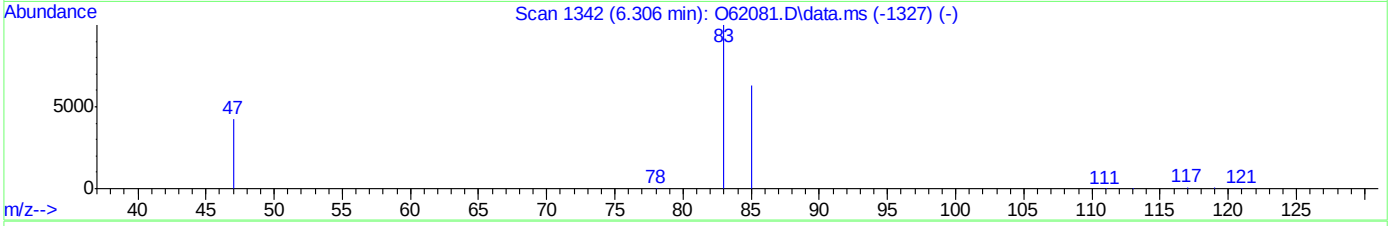
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:33:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65033.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.05ug/L m

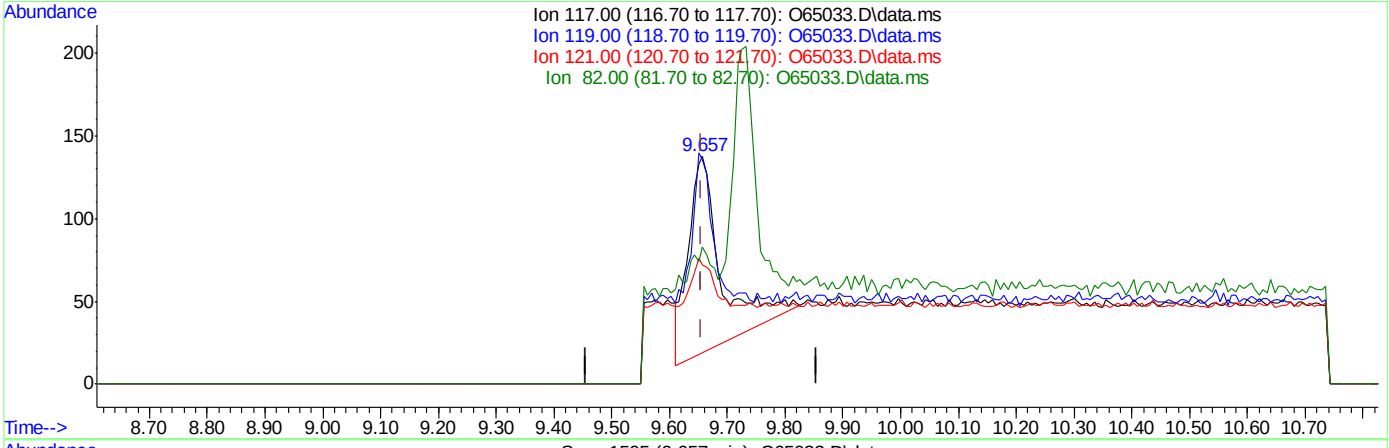
response 632

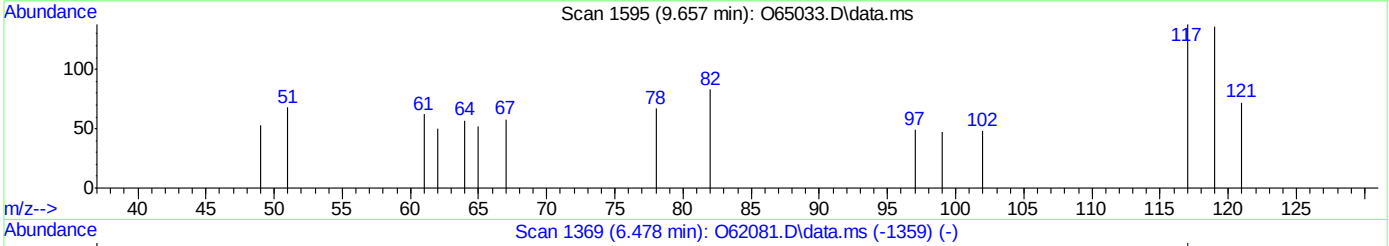
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.56
47.00	35.10	43.51
0.00	0.00	0.00

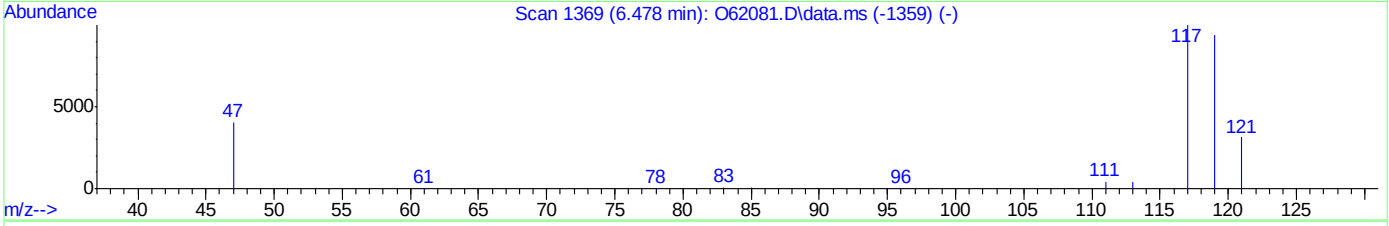
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:33:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65033.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.11ug/L

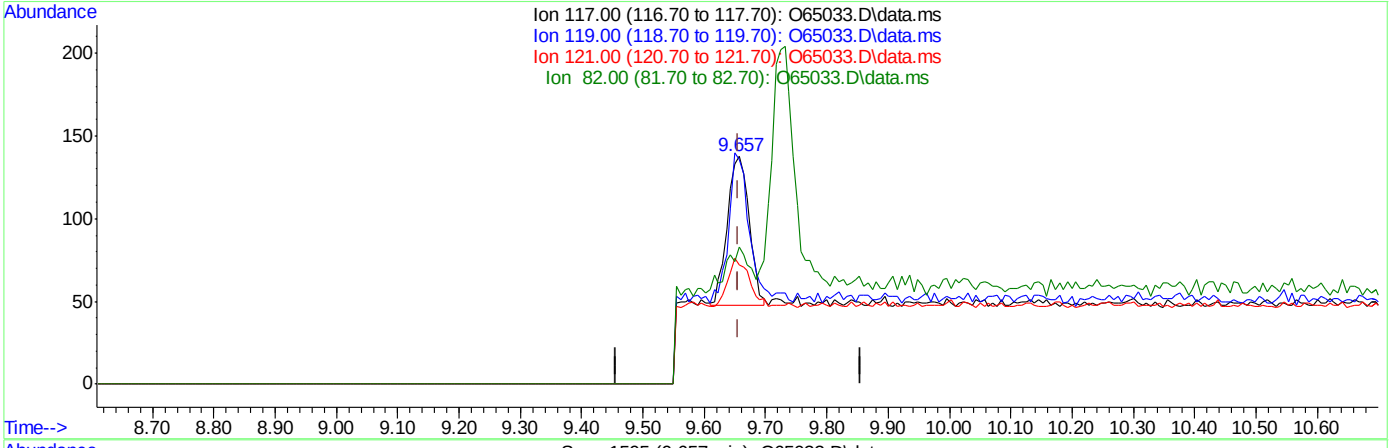
response 474

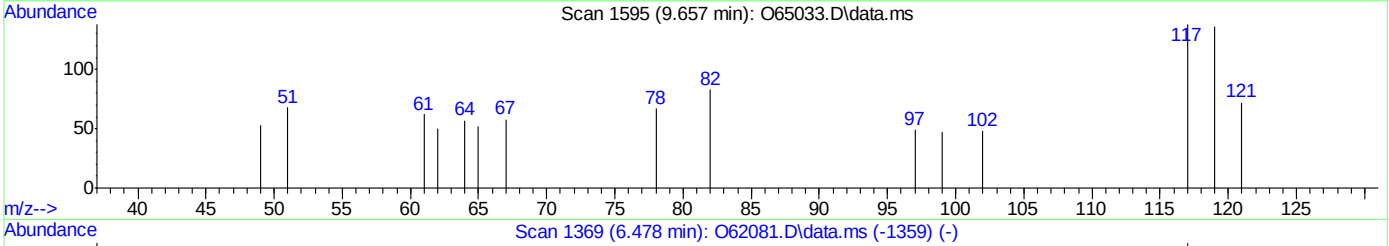
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.67
121.00	31.10	27.78
82.00	24.20	28.89

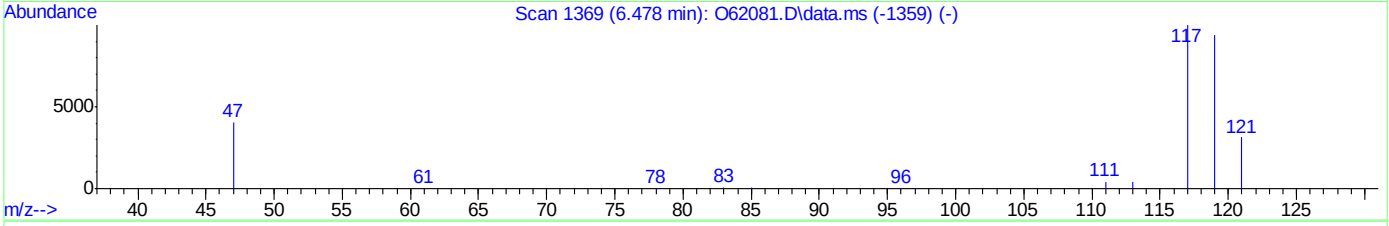
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65033.D
Acq On : 7 Sep 2021 10:26 pm
Operator : CHARLENG
Sample : FA88610-15 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 07:33:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65033.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.05ug/L m

response 222

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.55
121.00	31.10	52.17
82.00	24.20	60.14#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 08:39:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

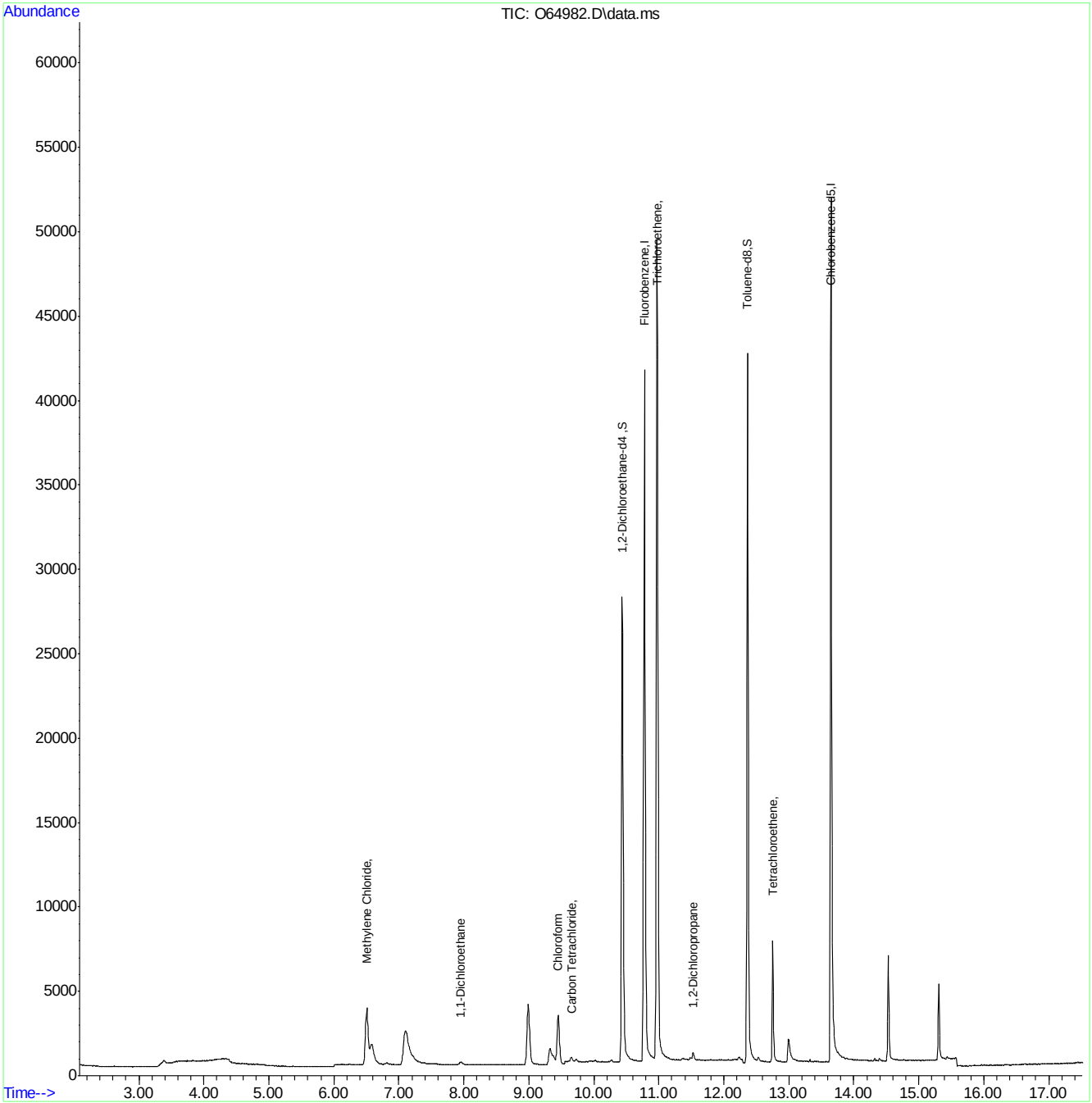
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48810	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37467	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26477	6.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 127.40%#			
19) Toluene-d8	12.367	98	37631	4.57	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3712	0.05	ug/L	92
7) 1,1-Dichloroethane	7.951	63	293	0.03	ug/L	100
9) Chloroform	9.450	83	3361m	0.29	ug/L	
10) Carbon Tetrachloride	9.657	117	239m	0.03	ug/L	
15) Trichloroethene	10.974	95	23076	3.60	ug/L	95
16) 1,2-Dichloropropane	11.531	63	230	0.04	ug/L	80
21) Tetrachloroethene	12.752	166	2845	0.49	ug/L	92

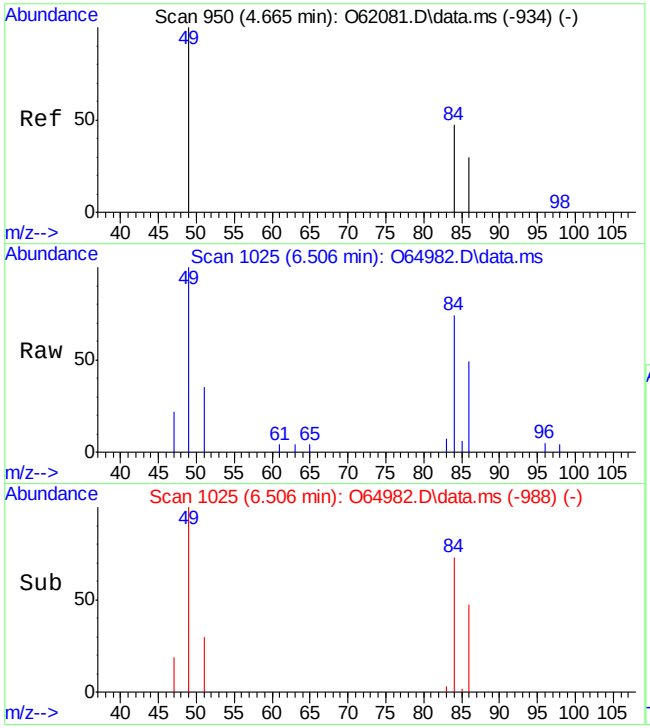
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 08:39:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

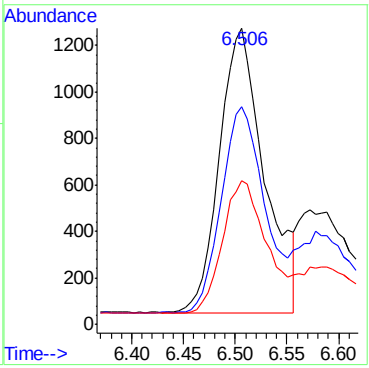


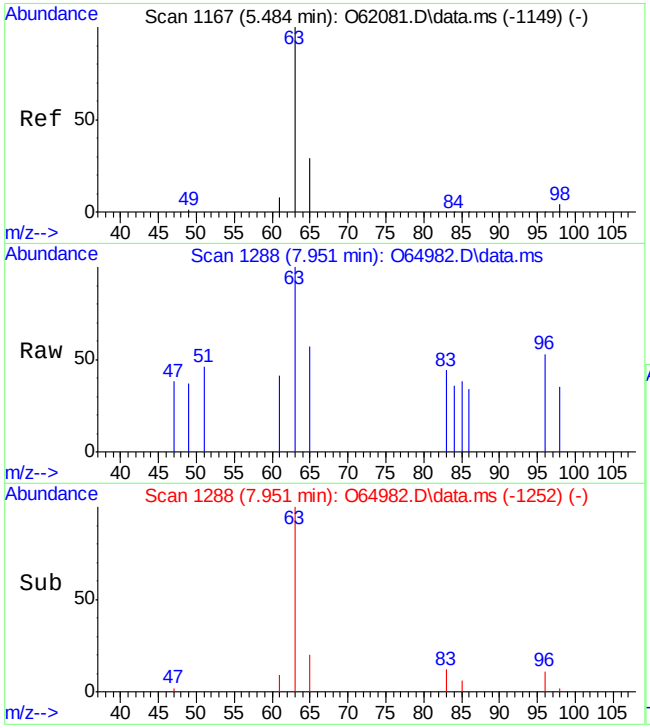


#5
Methylene Chloride
Concen: 0.05 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion: 49 Resp: 3712

Ion	Ratio	Lower	Upper
49	100		
84	72.4	35.5	95.5
86	46.7	12.8	72.8

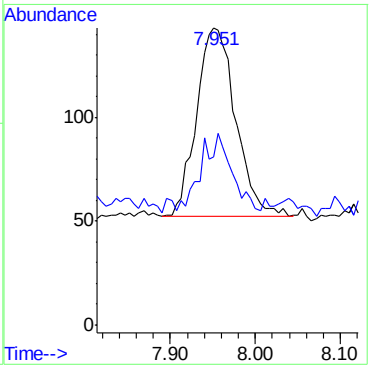


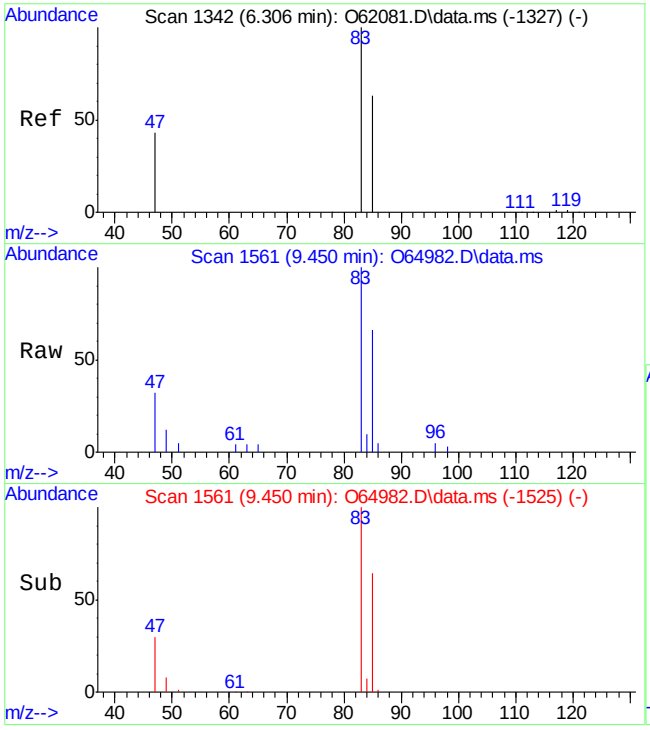


#7
1,1-Dichloroethane
Concen: 0.03 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. -0.000 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion: 63 Resp: 293

Ion	Ratio	Lower	Upper
63	100		
65	29.7	0.0	59.6

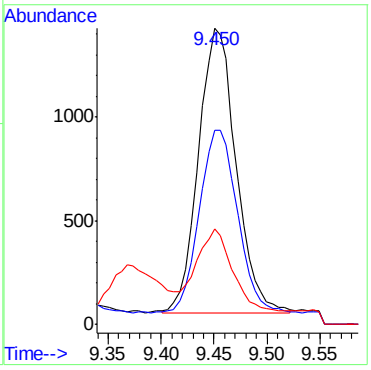


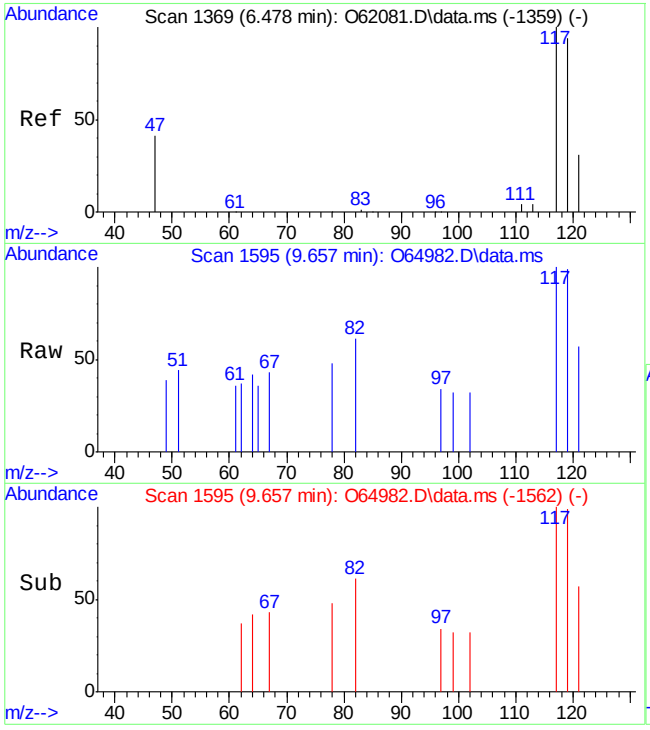


#9
Chloroform
Concen: 0.29 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion: 83 Resp: 3361

Ion	Ratio	Lower	Upper
83	100		
85	65.5	33.7	93.7
47	32.4	5.1	65.1

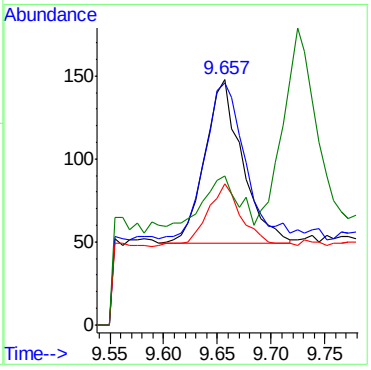


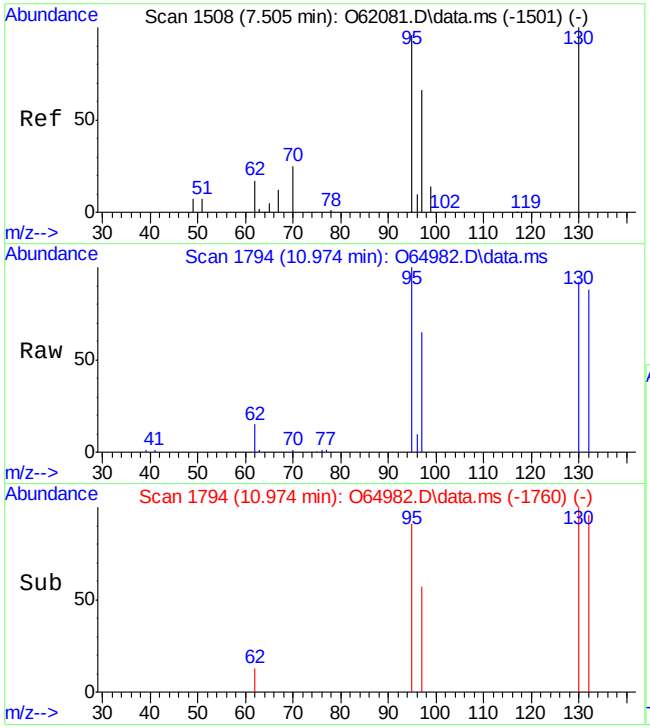


#10
Carbon Tetrachloride
Concen: 0.03 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion:117 Resp: 239

Ion	Ratio	Lower	Upper
117	100		
119	98.6	68.2	128.2
121	57.4	1.1	61.1
82	60.8	0.0	54.2#

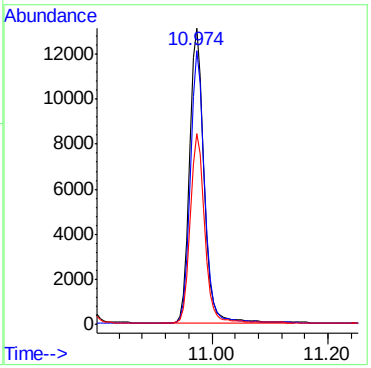


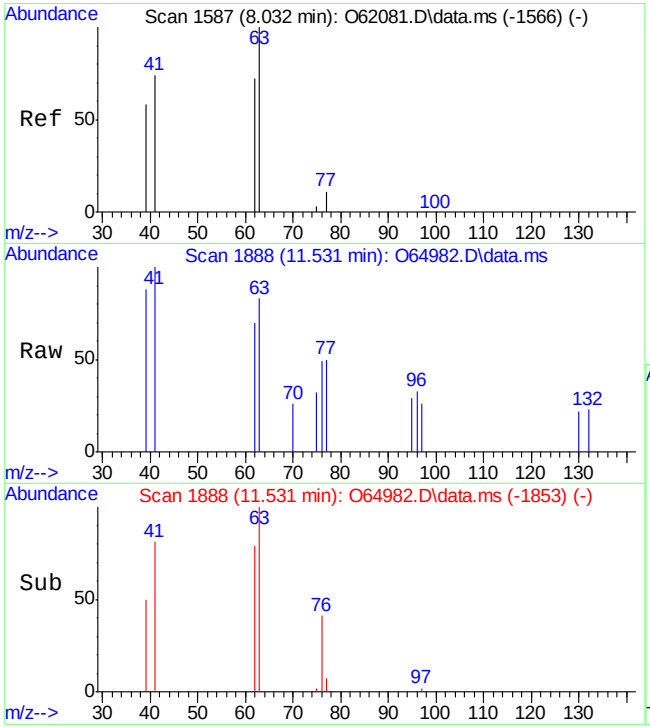


#15
Trichloroethene
Concen: 3.60 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion: 95 Resp: 23076

Ion	Ratio	Lower	Upper
95	100		
130	92.5	69.9	129.9
97	64.4	34.0	94.0

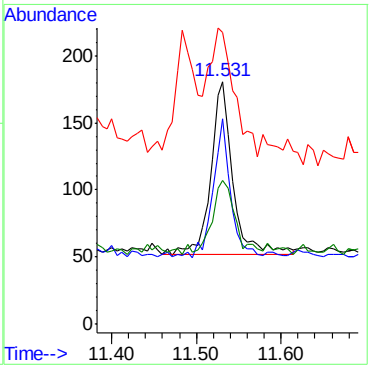


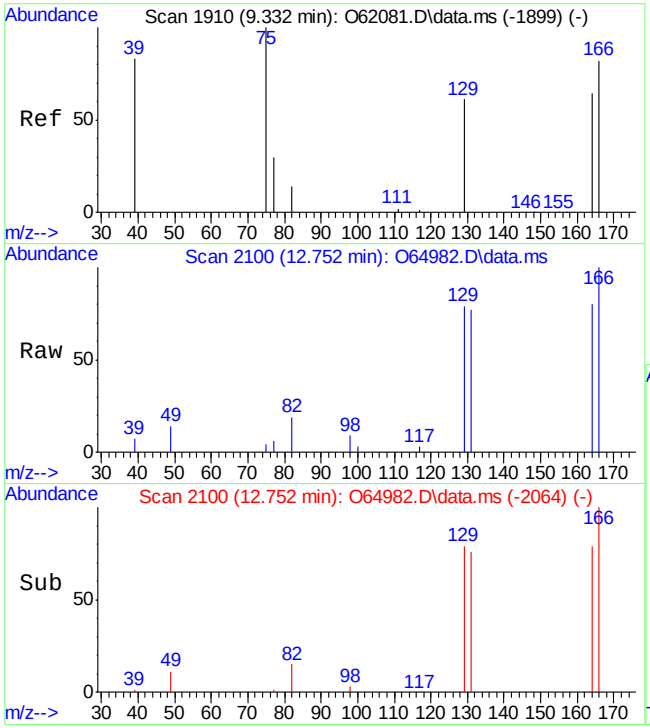


#16
1,2-Dichloropropane
Concen: 0.04 ug/L
RT: 11.531 min Scan# 1888
Delta R.T. 0.006 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion: 63 Resp: 230

Ion	Ratio	Lower	Upper
63	100		
62	78.3	40.7	100.7
41	69.0	18.9	78.9
76	42.6	0.0	57.4

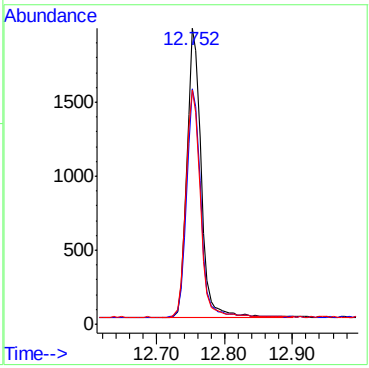




#21
Tetrachloroethene
Concen: 0.49 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O64982.D
Acq: 4 Sep 2021 5:06 pm

Tgt Ion:166 Resp: 2845

Ion	Ratio	Lower	Upper
166	100		
164	79.2	48.0	108.0
129	78.9	36.6	96.6



Manual Integration Approval Summary

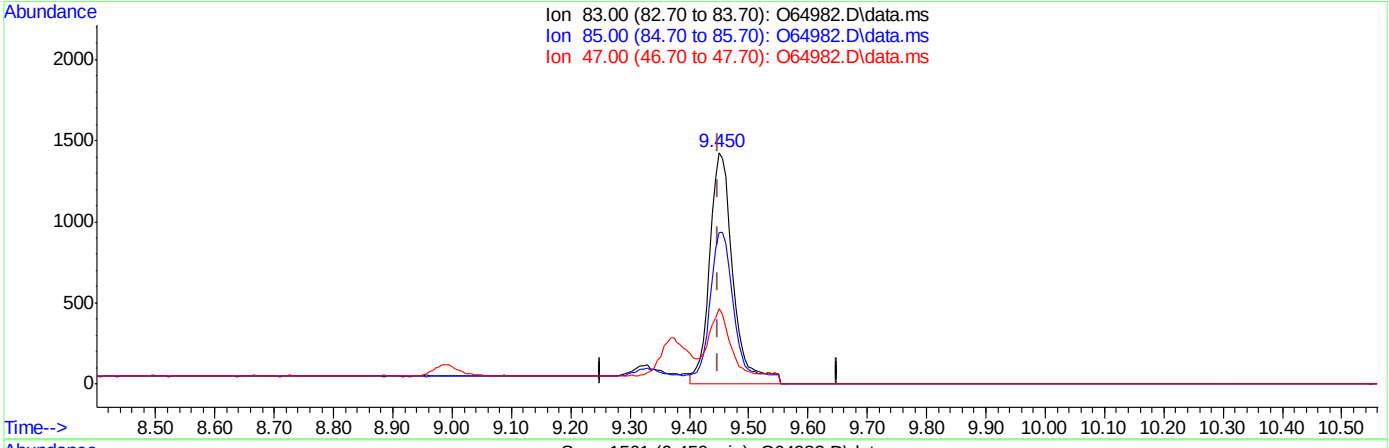
Sample Number: FA88610-16
Lab FileID: O64982.D
Injection Time: 09/04/21 17:06
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:28 Chelsea VanDenBurg

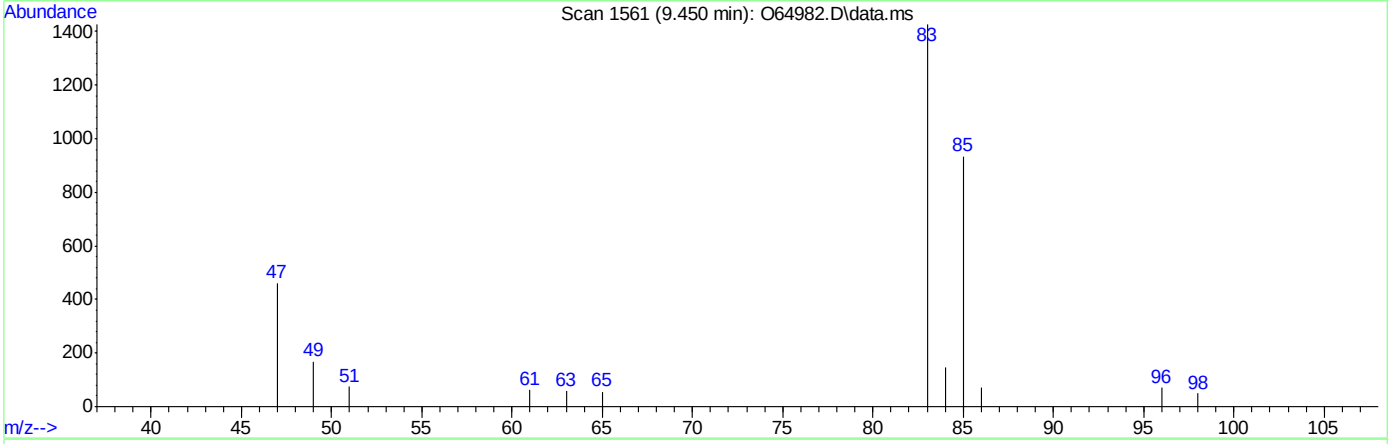
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 07:52:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64982.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.34ug/L

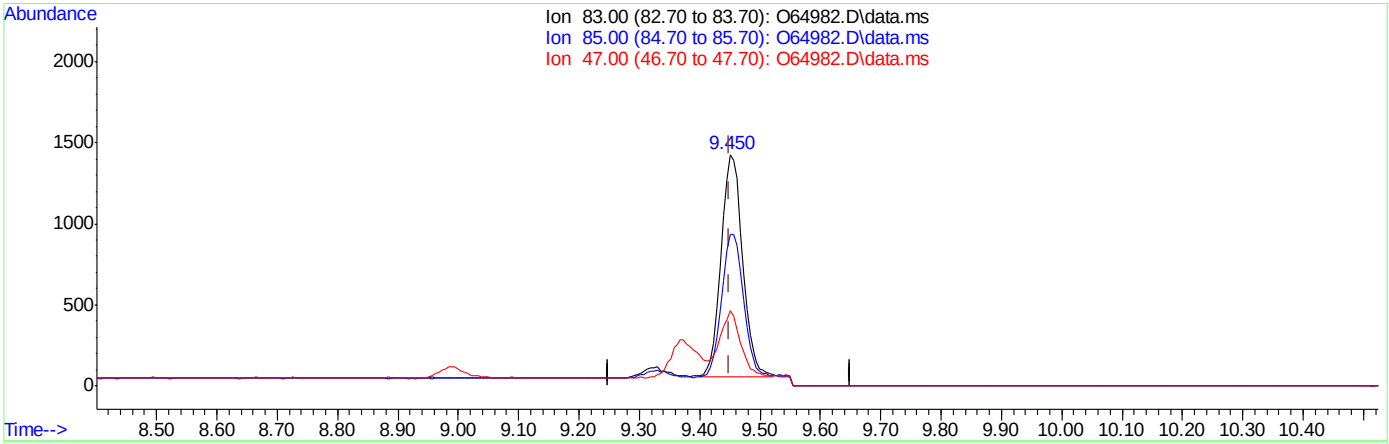
response 3916

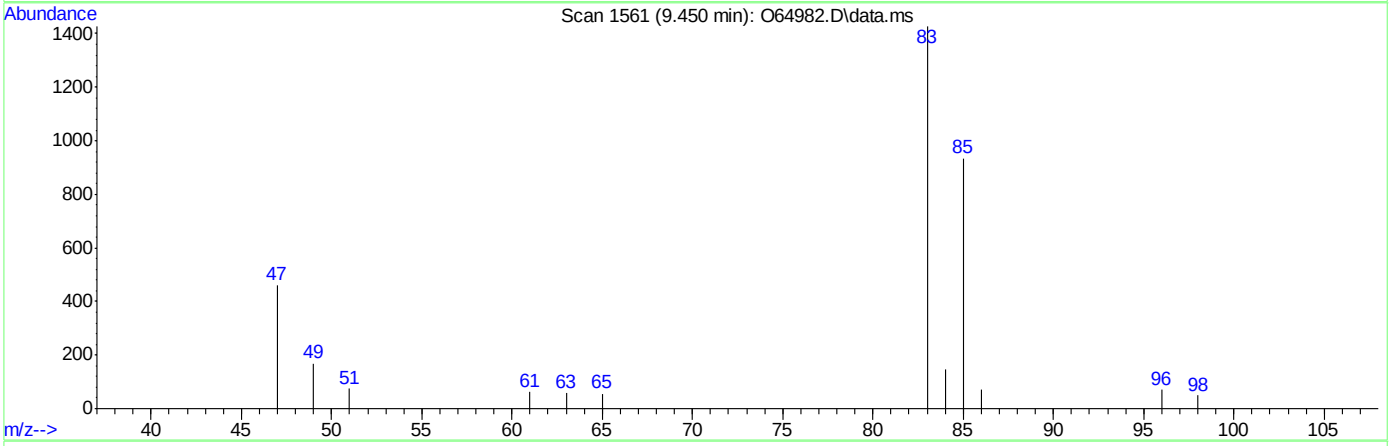
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.52
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 07:52:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64982.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.29ug/L m

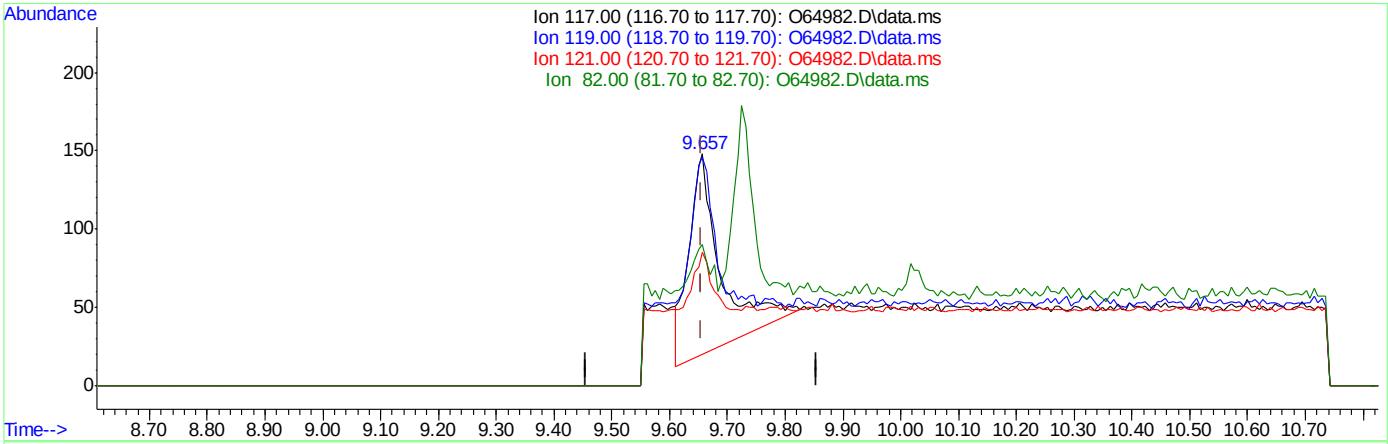
response 3361

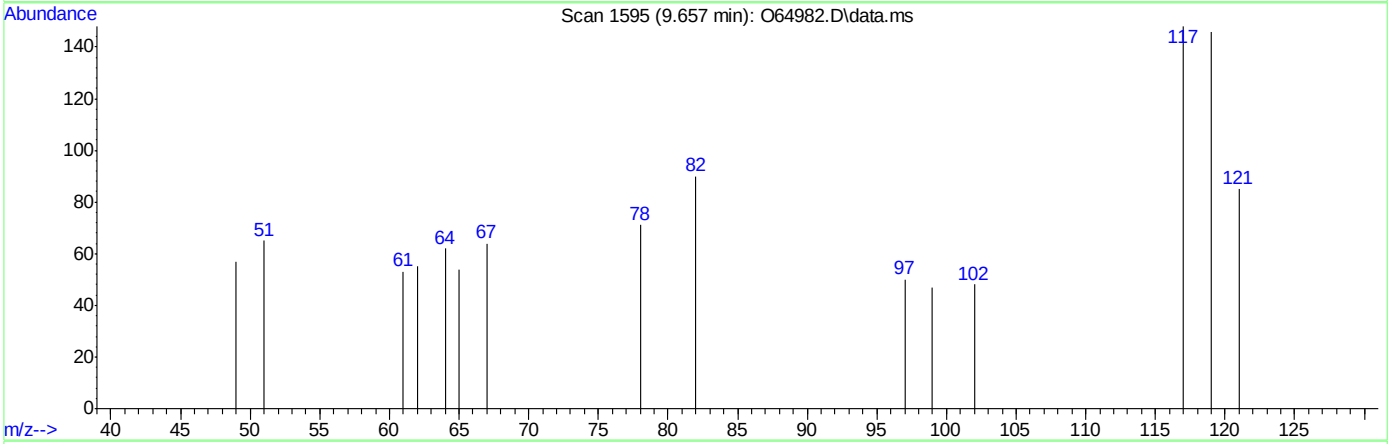
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.52
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 07:52:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64982.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.07ug/L

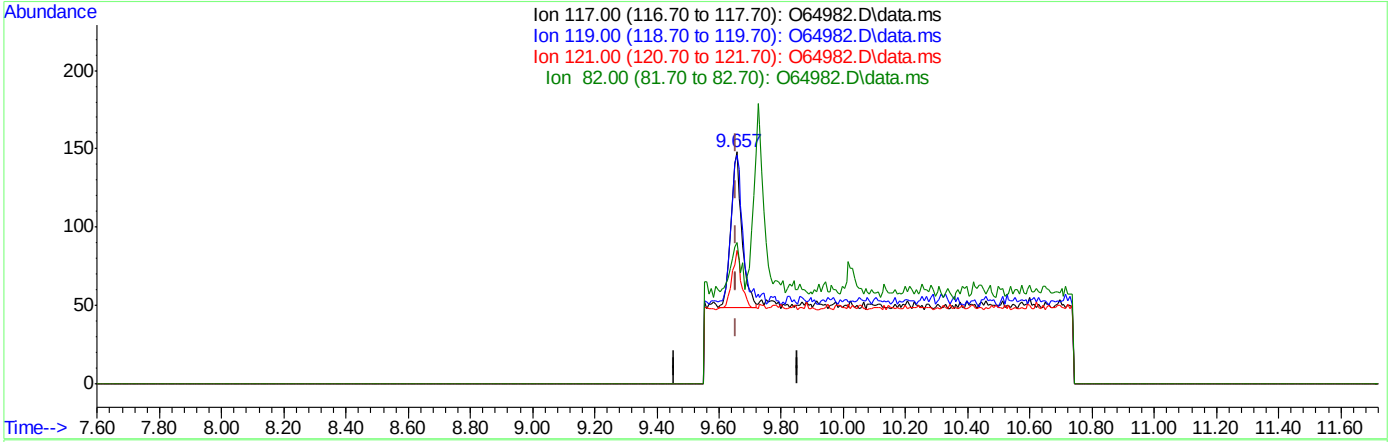
response 495

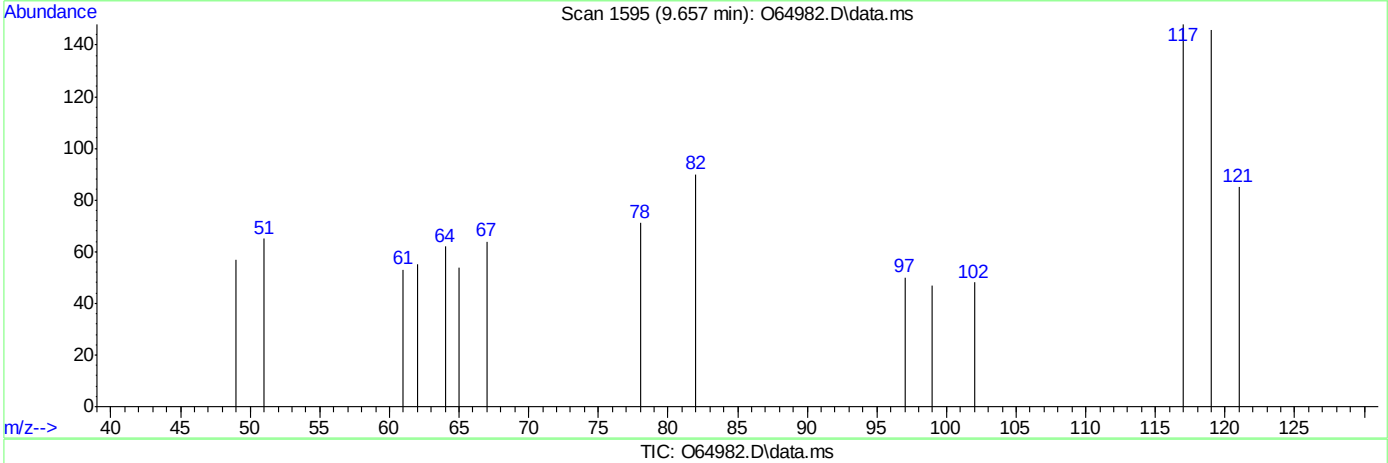
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.94
121.00	31.10	36.36
82.00	24.20	29.29

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64982.D
Acq On : 4 Sep 2021 5:06 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 07 07:52:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64982.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.03ug/L m

response 239

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.65
121.00	31.10	57.43
82.00	24.20	60.81#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65034.D
Acq On : 7 Sep 2021 10:50 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 08 07:39:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

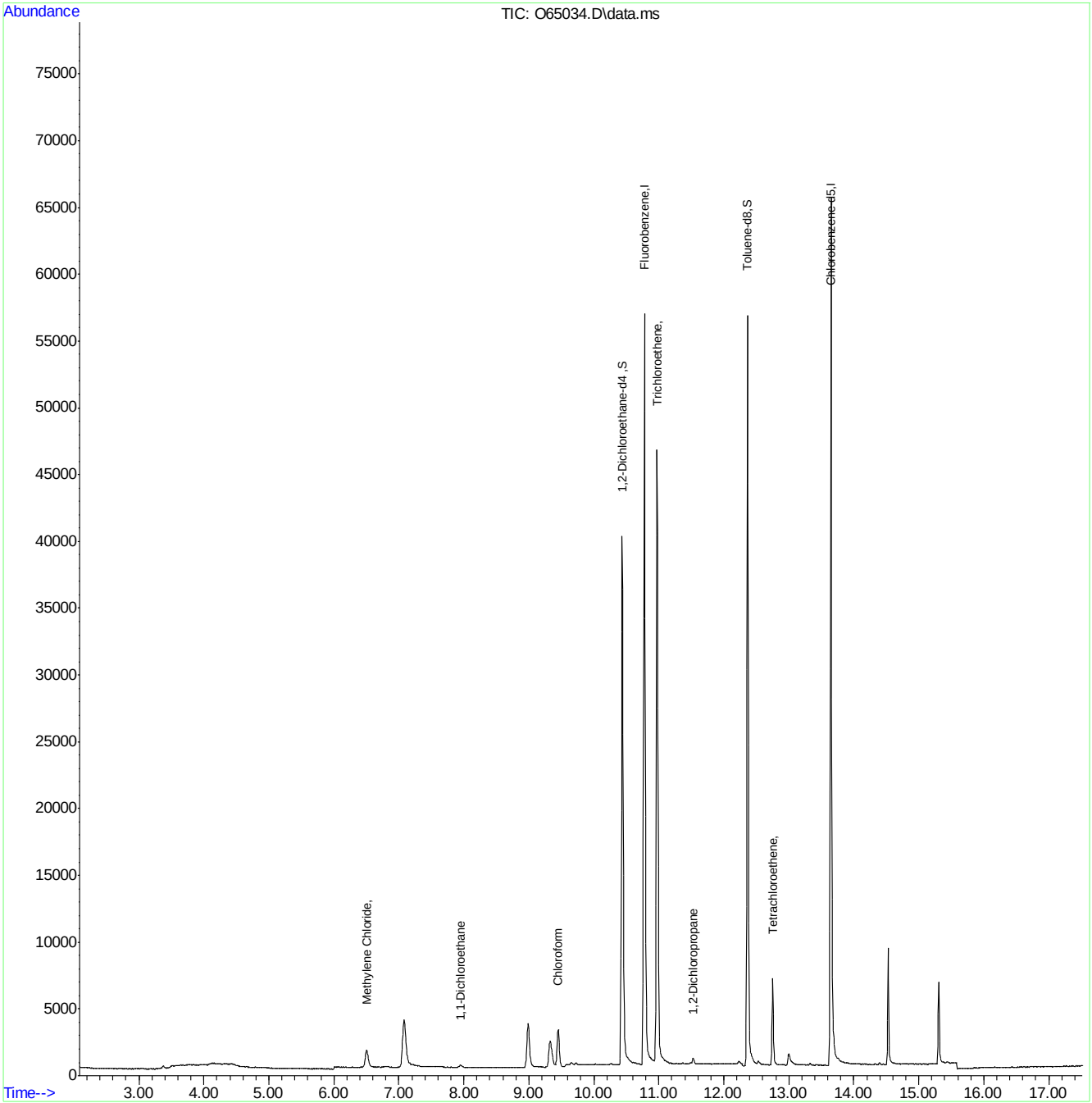
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	66551	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	50822	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	37564	6.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 139.80%#			
19) Toluene-d8	12.367	98	50453	4.57	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	1527	0.14	ug/L	93
7) 1,1-Dichloroethane	7.951	63	299	0.03	ug/L	99
9) Chloroform	9.450	83	3393m	0.27	ug/L	
15) Trichloroethene	10.974	95	22027	3.37	ug/L	95
16) 1,2-Dichloropropane	11.531	63	195	0.03	ug/L	90
21) Tetrachloroethene	12.752	166	2597	0.45	ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

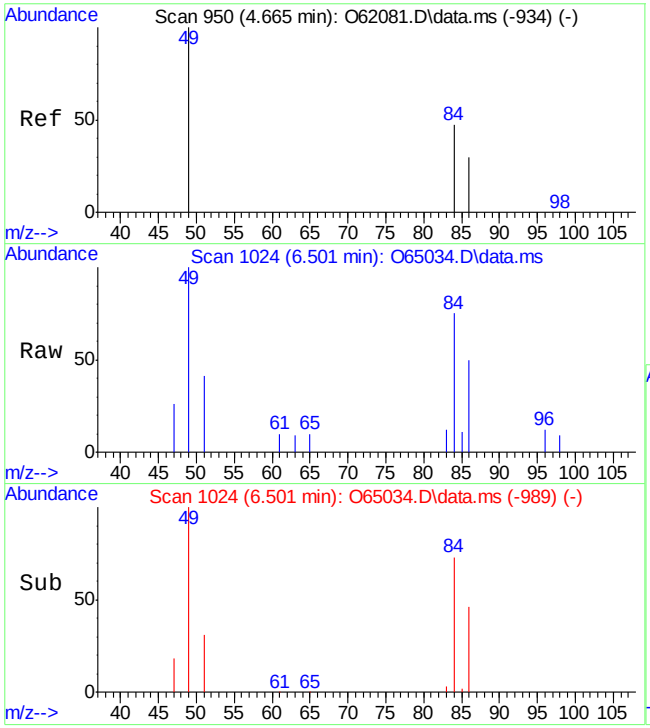
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65034.D
Acq On : 7 Sep 2021 10:50 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 08 07:39:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



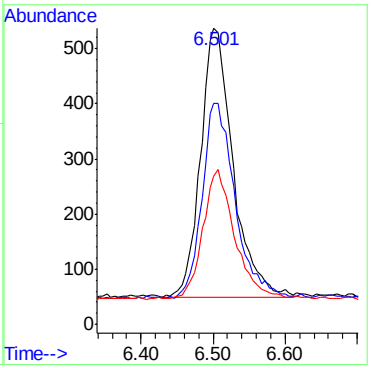
SIMCL-09-07-2021.M Wed Sep 08 07:55:46 2021 Page: 2

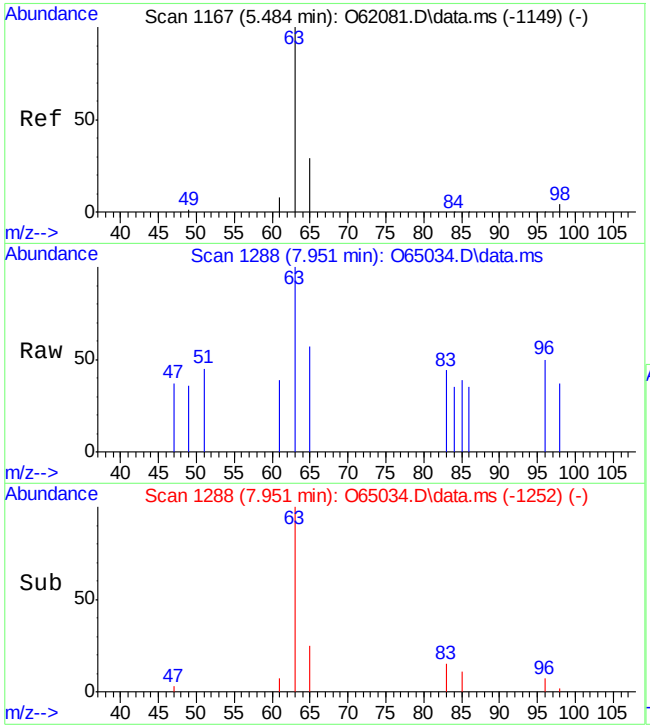


#5
Methylene Chloride
Concen: 0.14 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.005 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion: 49 Resp: 1527

Ion	Ratio	Lower	Upper
49	100		
84	72.1	35.5	95.5
86	45.4	12.8	72.8

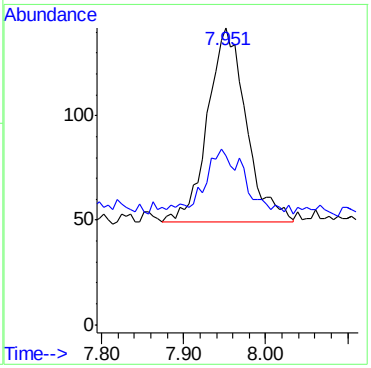


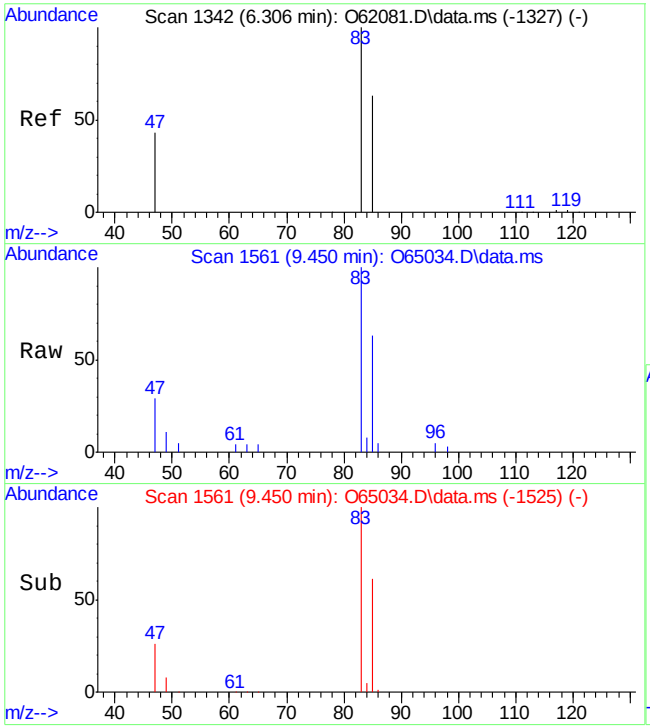


#7
1,1-Dichloroethane
Concen: 0.03 ug/L
RT: 7.951 min Scan# 1288
Delta R.T. -0.000 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion: 63 Resp: 299

Ion	Ratio	Lower	Upper
63	100		
65	30.1	0.0	59.6

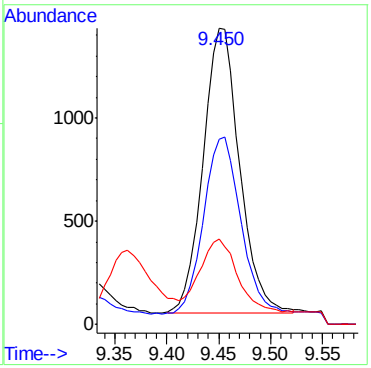


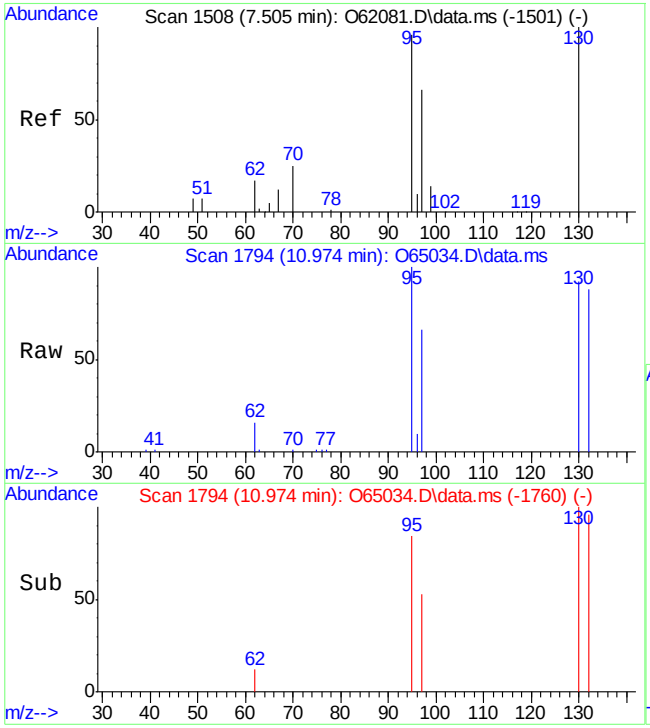


#9
Chloroform
Concen: 0.27 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion: 83 Resp: 3393

Ion	Ratio	Lower	Upper
83	100		
85	62.6	33.7	93.7
47	28.8	5.1	65.1

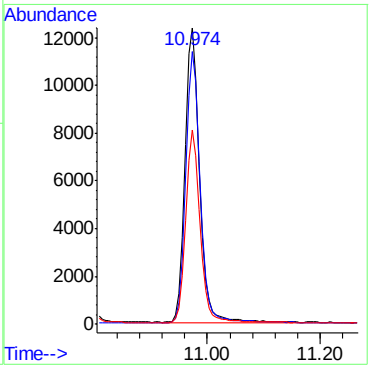


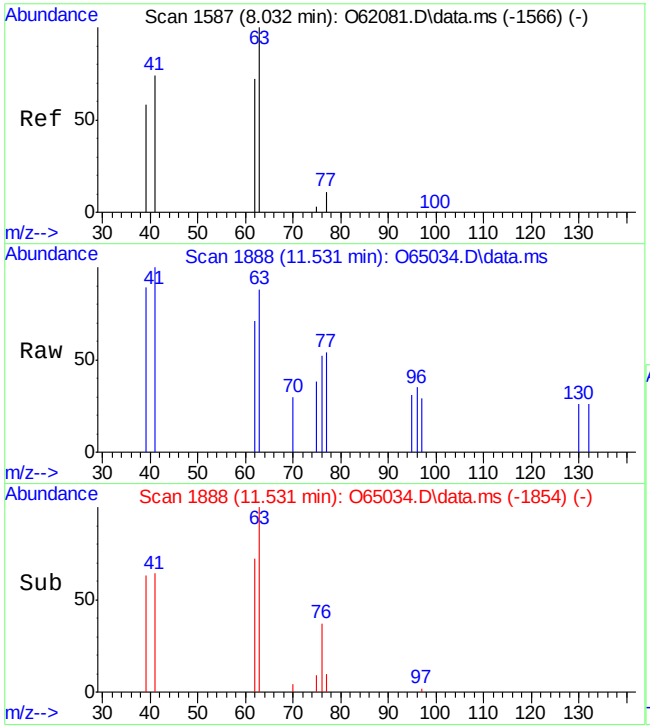


#15
Trichloroethene
Concen: 3.37 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion: 95 Resp: 22027

Ion	Ratio	Lower	Upper
95	100		
130	92.3	69.9	129.9
97	65.6	34.0	94.0

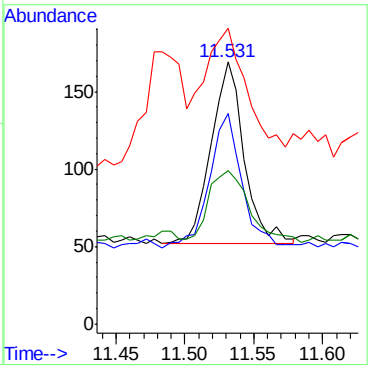


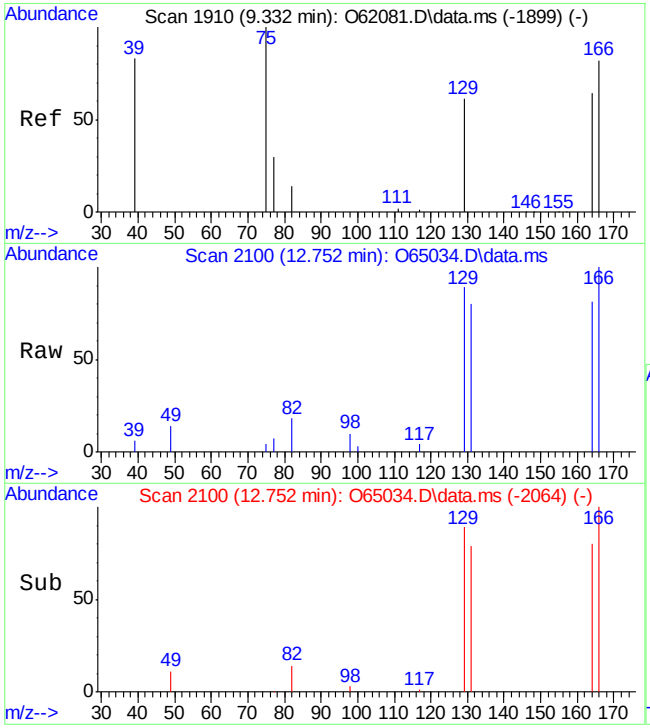


#16
1,2-Dichloropropane
Concen: 0.03 ug/L
RT: 11.531 min Scan# 1888
Delta R.T. -0.000 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion: 63 Resp: 195

Ion	Ratio	Lower	Upper
63	100		
62	74.4	40.7	100.7
41	58.1	18.9	78.9
76	36.8	0.0	57.4

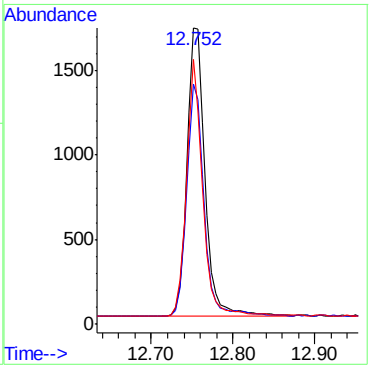




#21
Tetrachloroethene
Concen: 0.45 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O65034.D
Acq: 7 Sep 2021 10:50 pm

Tgt Ion:166 Resp: 2597

Ion	Ratio	Lower	Upper
166	100		
164	80.6	48.0	108.0
129	89.0	36.6	96.6



Manual Integration Approval Summary

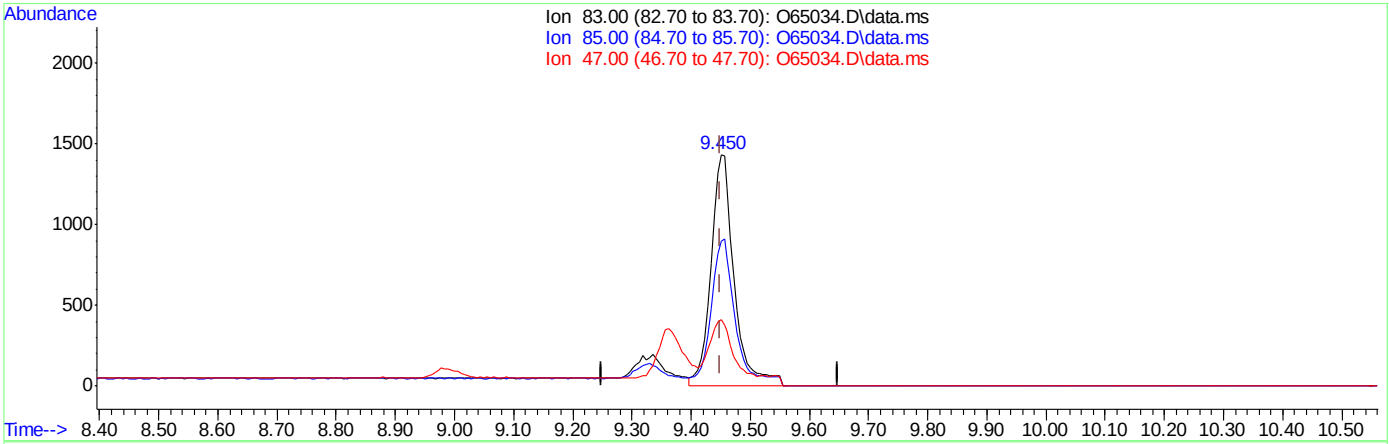
Sample Number: FA88610-16
Lab FileID: O65034.D
Injection Time: 09/07/21 22:50
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:00 Charlene Gonzalez
Supervisor approved: 09/08/21 14:28 Chelsea VanDenBurg

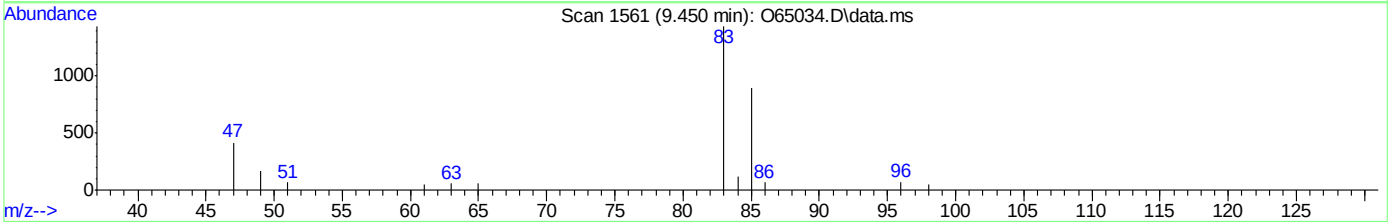
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

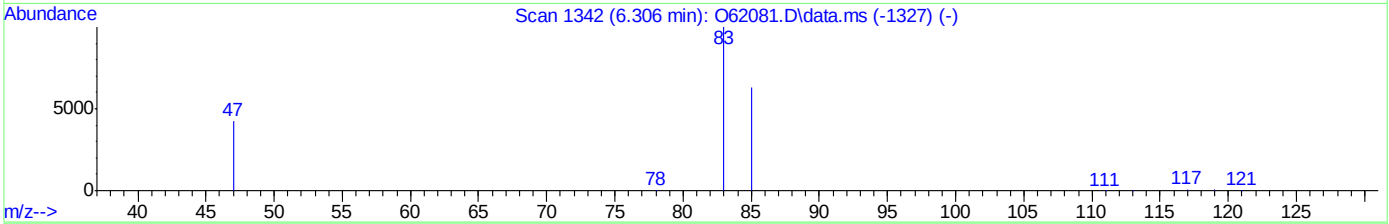
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65034.D
Acq On : 7 Sep 2021 10:50 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 08 07:33:52 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65034.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.32ug/L

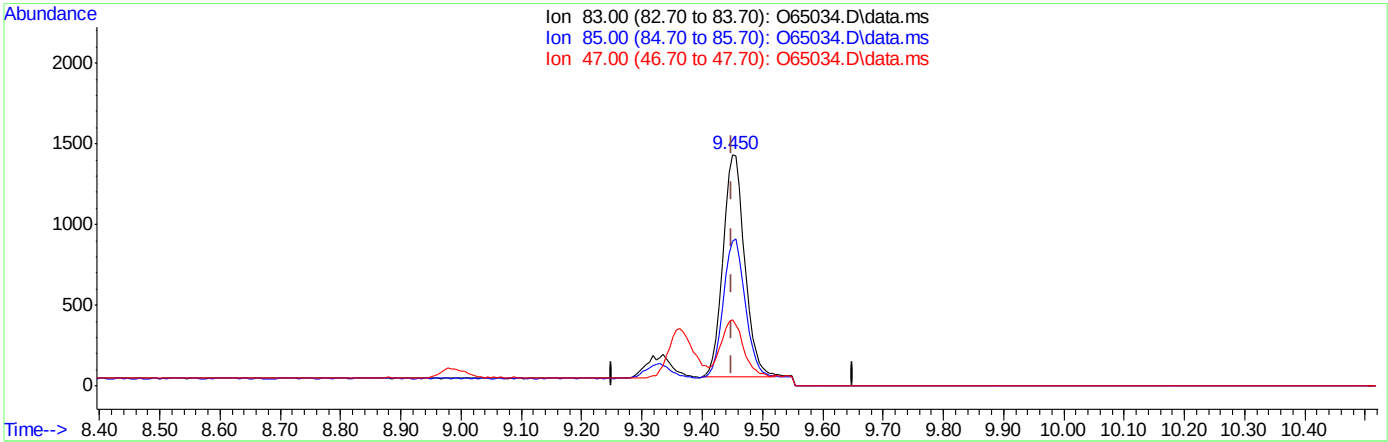
response 3957

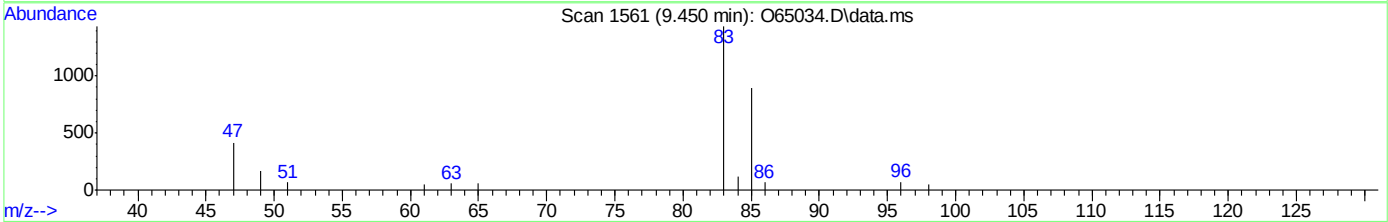
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.58
47.00	35.10	28.78
0.00	0.00	0.00

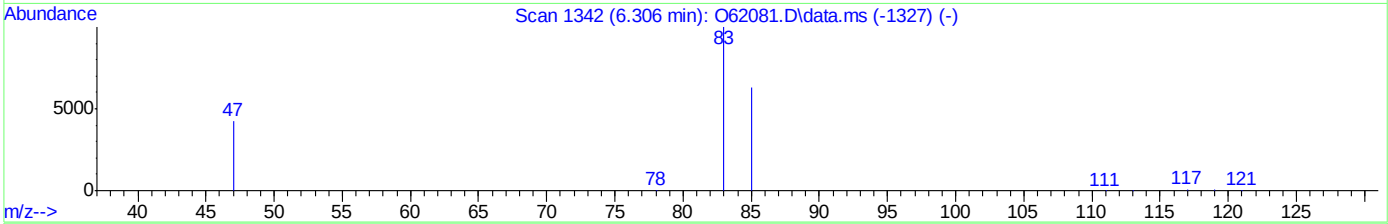
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65034.D
Acq On : 7 Sep 2021 10:50 pm
Operator : CHARLENG
Sample : FA88610-16 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 08 07:33:52 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65034.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.27ug/L m

response 3393

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.58
47.00	35.10	28.78
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64983.D
Acq On : 4 Sep 2021 5:29 pm
Operator : CHARLENG
Sample : FA88610-17 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 07 08:40:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

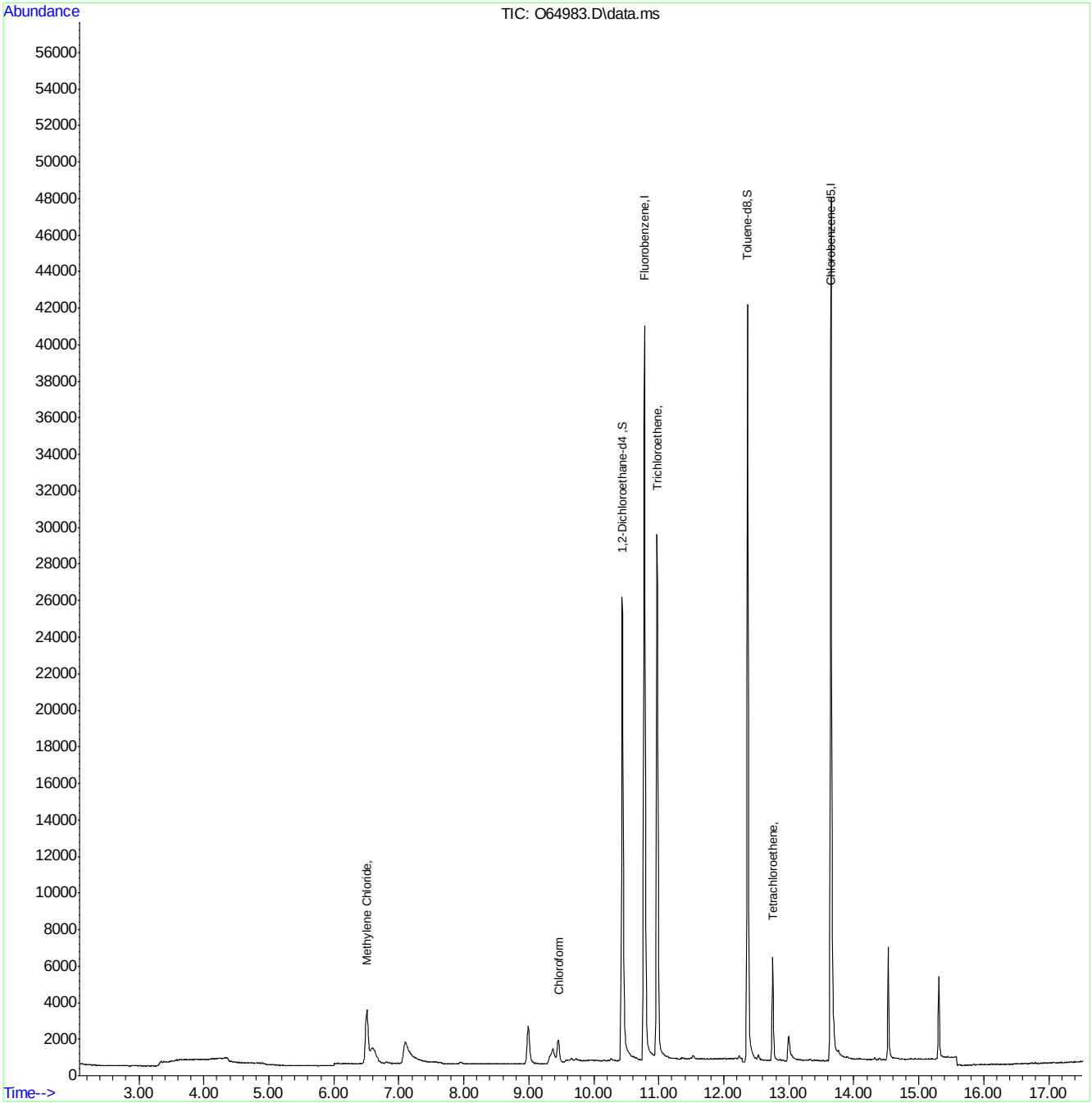
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48309	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36282	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25650	6.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 124.60%			
19) Toluene-d8	12.367	98	37320	4.68	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	4875	0.07	ug/L	95
9) Chloroform	9.456	83	1434m	0.13	ug/L	
15) Trichloroethene	10.974	95	13809	2.18	ug/L	95
21) Tetrachloroethene	12.758	166	2239	0.40	ug/L	93

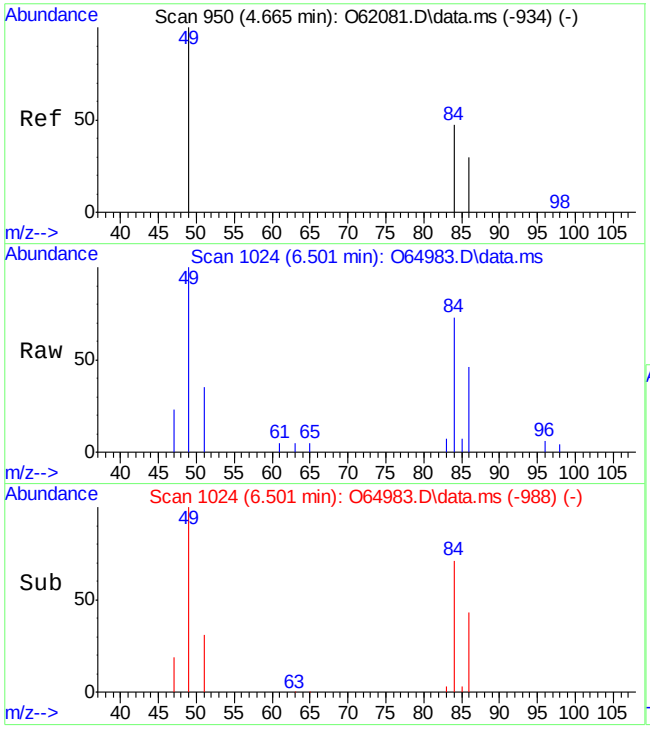
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64983.D
Acq On : 4 Sep 2021 5:29 pm
Operator : CHARLENG
Sample : FA88610-17 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 07 08:40:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

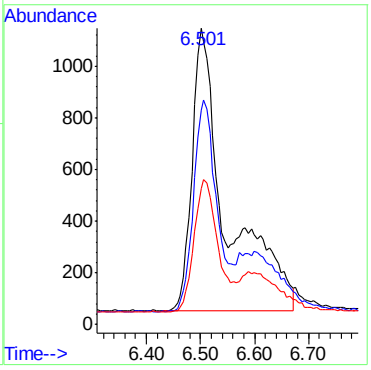


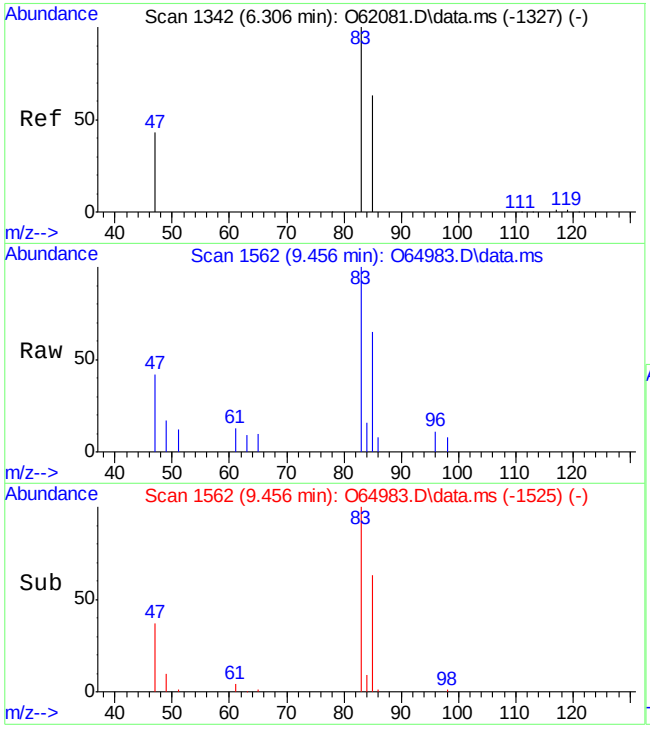


#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64983.D
Acq: 4 Sep 2021 5:29 pm

Tgt Ion: 49 Resp: 4875

Ion	Ratio	Lower	Upper
49	100		
84	71.1	35.5	95.5
86	43.7	12.8	72.8

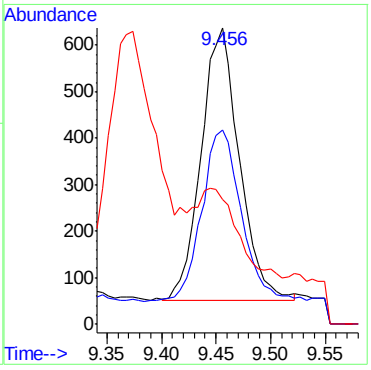


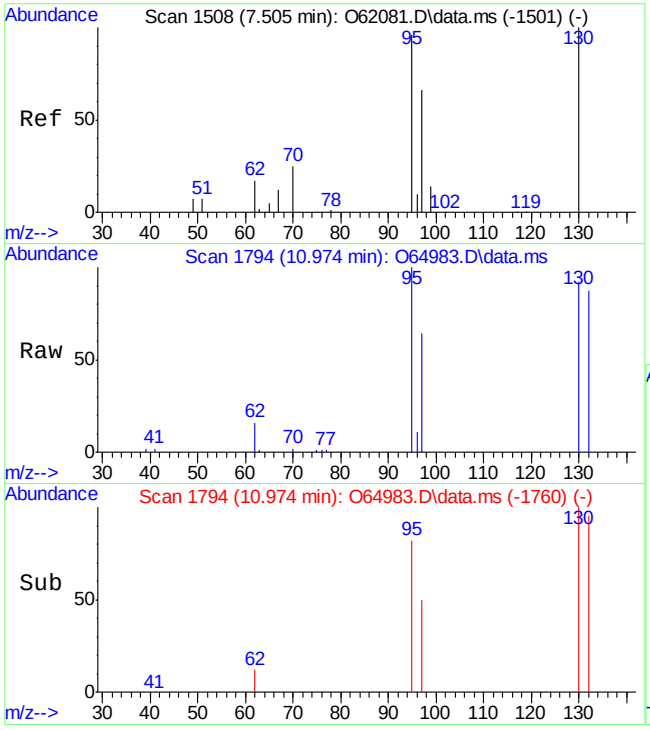


#9
Chloroform
Concen: 0.13 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64983.D
Acq: 4 Sep 2021 5:29 pm

Tgt Ion: 83 Resp: 1434

Ion	Ratio	Lower	Upper
83	100		
85	65.5	33.7	93.7
47	42.1	5.1	65.1

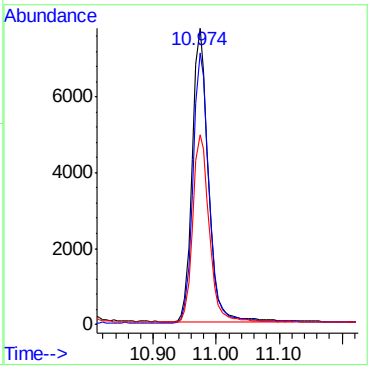


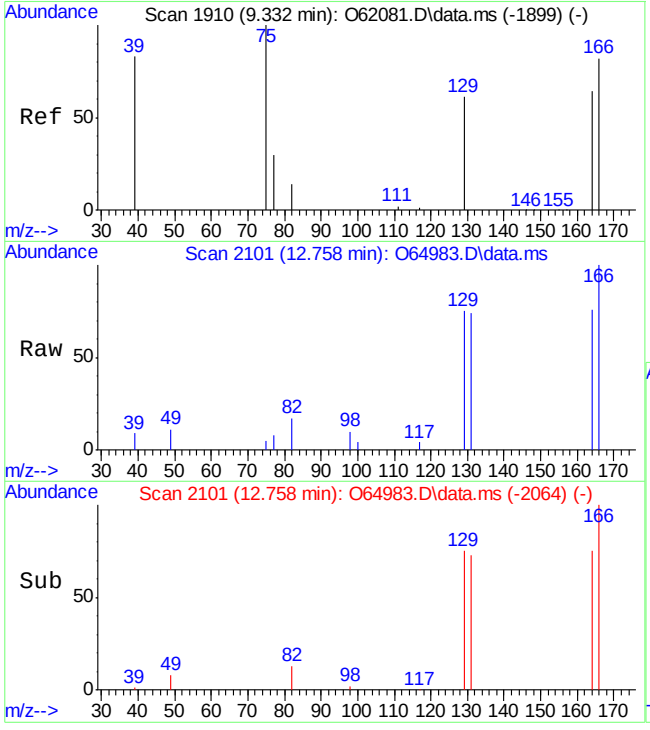


#15
Trichloroethene
Concen: 2.18 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64983.D
Acq: 4 Sep 2021 5:29 pm

Tgt Ion: 95 Resp: 13809

Ion	Ratio	Lower	Upper
95	100		
130	91.7	69.9	129.9
97	63.7	34.0	94.0

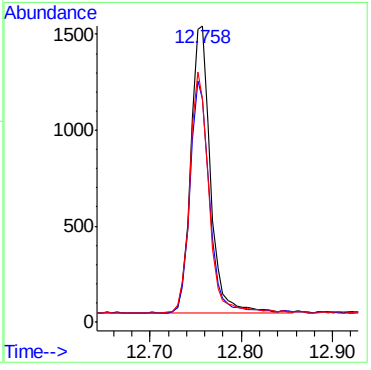




#21
Tetrachloroethene
Concen: 0.40 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O64983.D
Acq: 4 Sep 2021 5:29 pm

Tgt Ion:166 Resp: 2239

Ion	Ratio	Lower	Upper
166	100		
164	74.7	48.0	108.0
129	74.4	36.6	96.6



Manual Integration Approval Summary

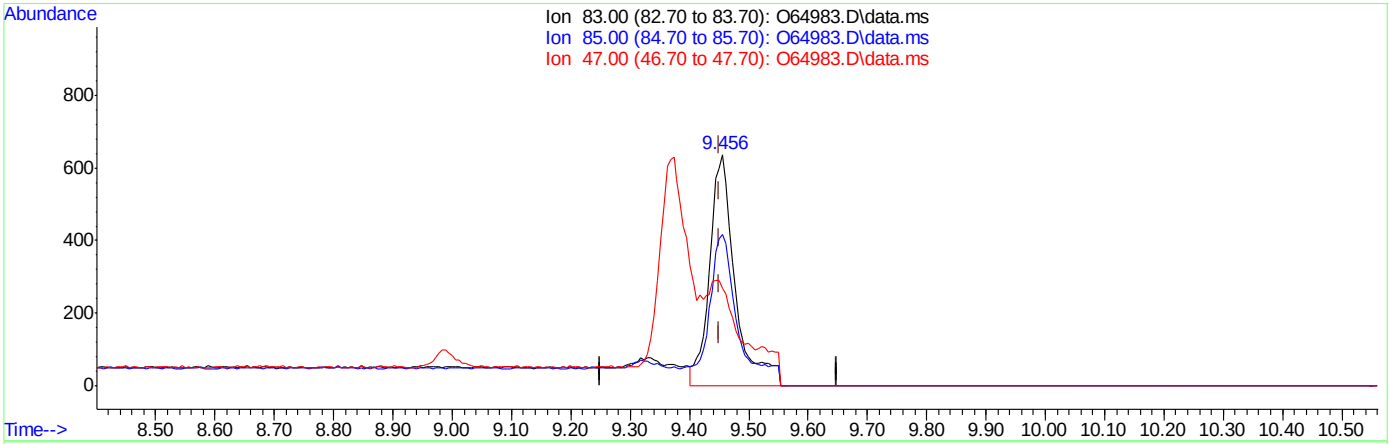
Sample Number:	FA88610-17	**Method:**	SW846 8260B BY SIM
Lab FileID:	O64983.D	**Analyst approved:**	09/07/21 09:04 Charlene Gonzalez
Injection Time:	09/04/21 17:29	**Supervisor approved:**	09/08/21 14:26 Chelsea VanDenBurg

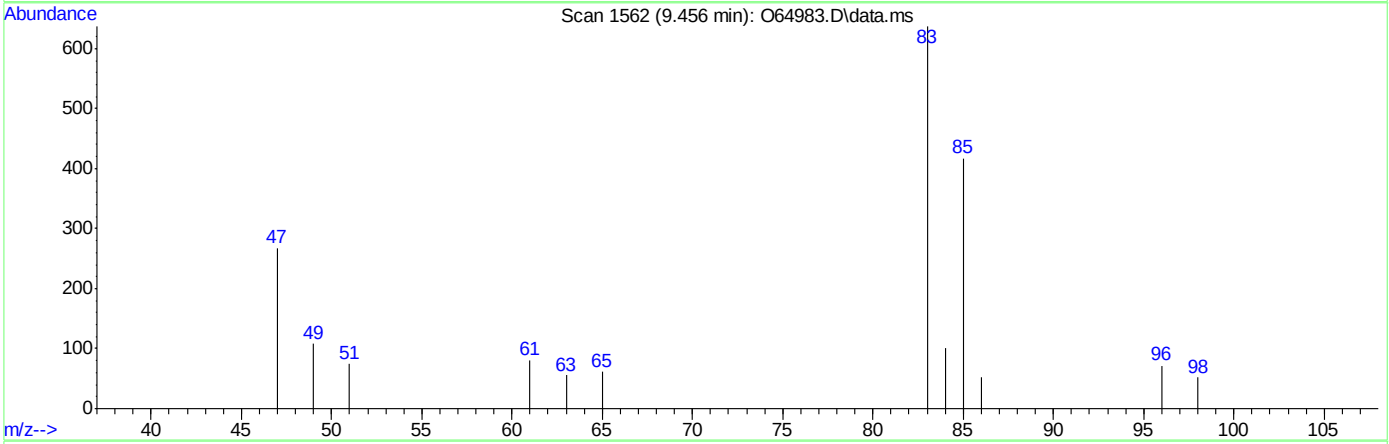
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64983.D
Acq On : 4 Sep 2021 5:29 pm
Operator : CHARLENG
Sample : FA88610-17 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 07 07:52:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64983.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.17ug/L

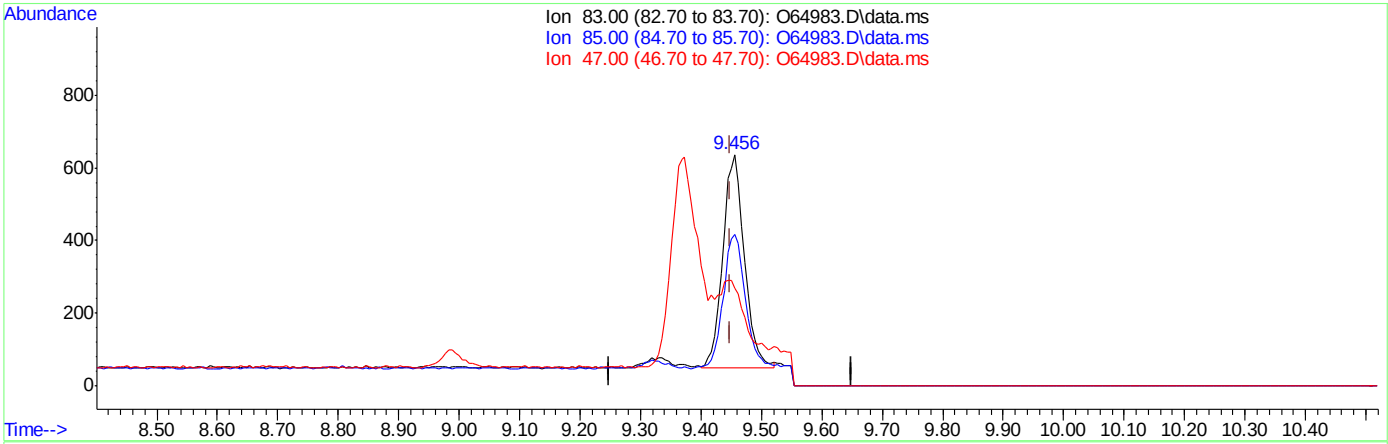
response 1909

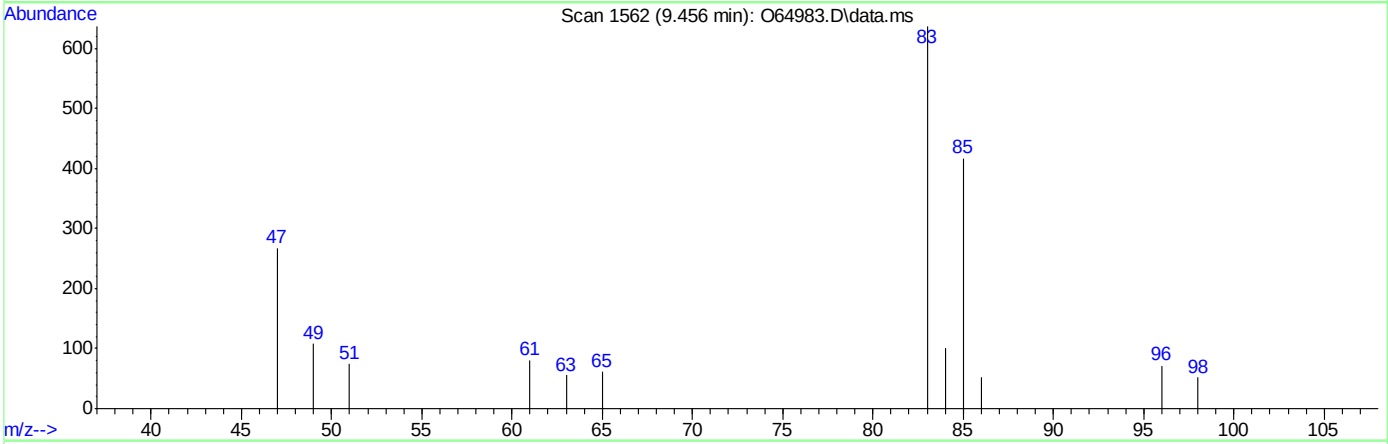
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.46
47.00	35.10	42.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64983.D
Acq On : 4 Sep 2021 5:29 pm
Operator : CHARLENG
Sample : FA88610-17 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 07 07:52:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64983.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L m

response 1434

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.46
47.00	35.10	42.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 08:40:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

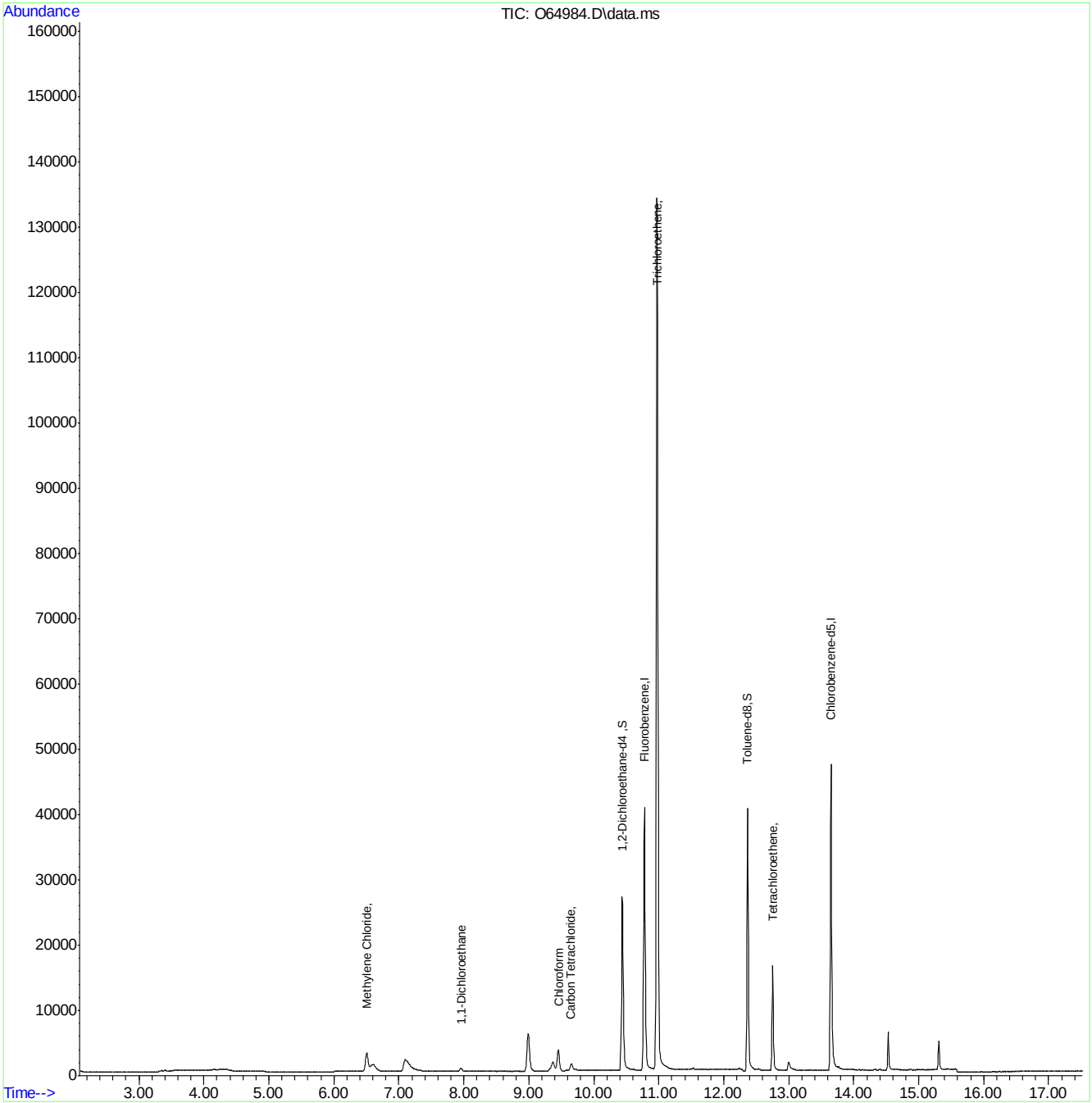
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47473	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35718	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25871	6.40	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 128.00%#			
19) Toluene-d8	12.367	98	36970	4.71	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3058	0.04	ug/L	92
7) 1,1-Dichloroethane	7.957	63	852	0.08	ug/L	97
9) Chloroform	9.456	83	3721m	0.33	ug/L	
10) Carbon Tetrachloride	9.650	117	989m	0.14	ug/L	
15) Trichloroethene	10.974	95	62492	10.02	ug/L	95
21) Tetrachloroethene	12.752	166	6194	1.12	ug/L	89

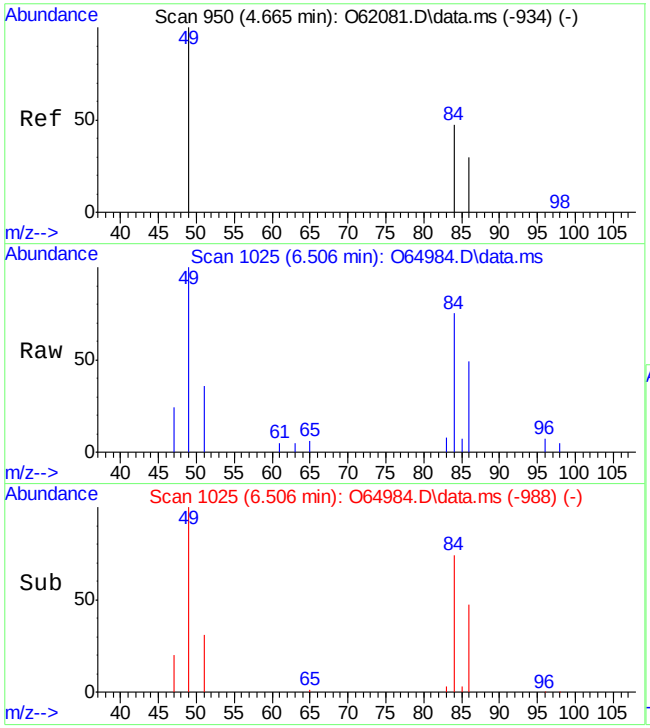
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 08:40:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

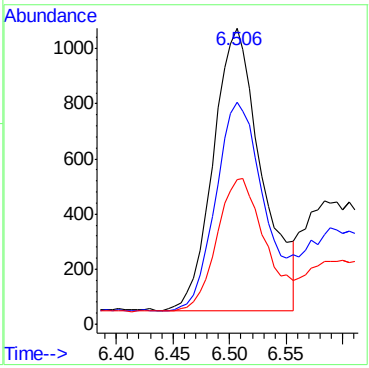


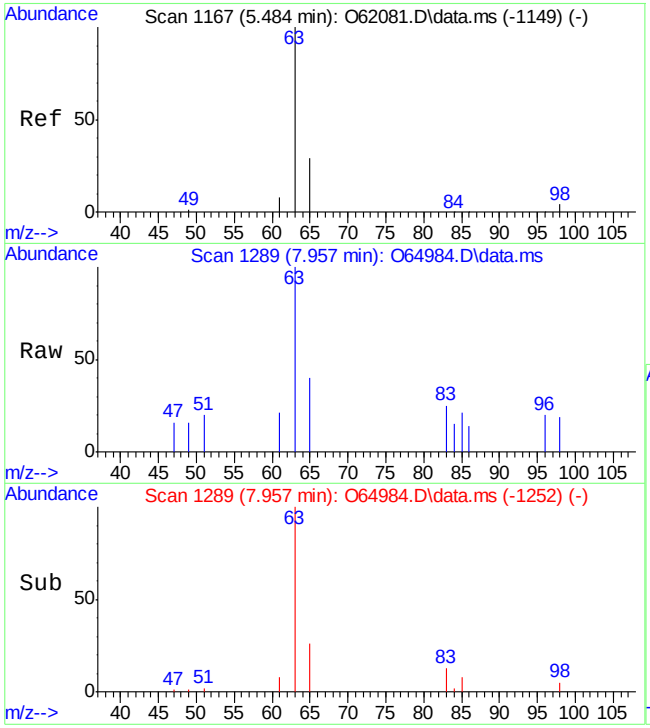


#5
Methylene Chloride
Concen: 0.04 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion: 49 Resp: 3058

Ion	Ratio	Lower	Upper
49	100		
84	73.6	35.5	95.5
86	46.3	12.8	72.8

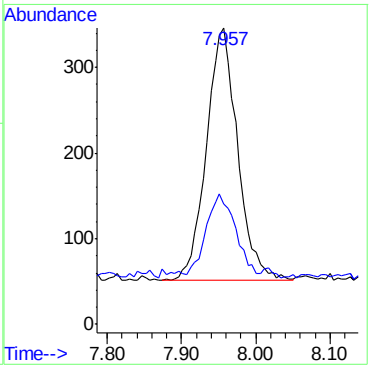


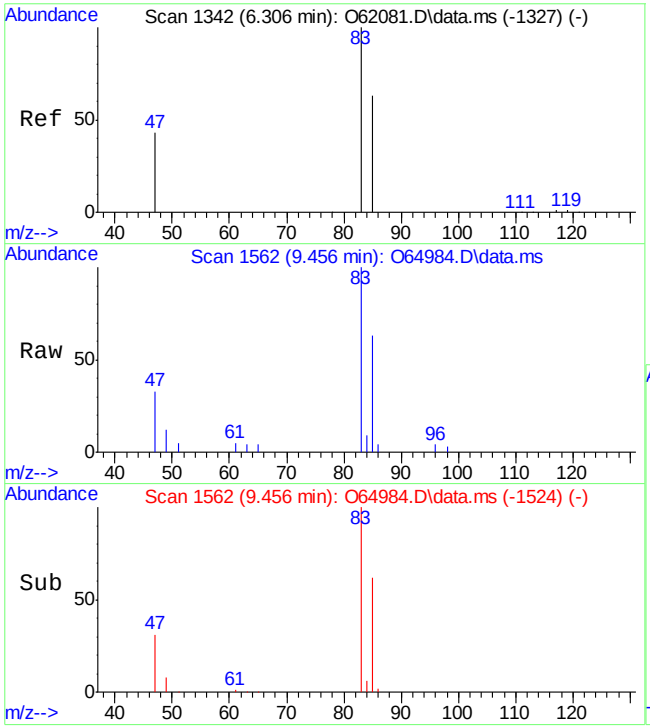


#7
1,1-Dichloroethane
Concen: 0.08 ug/L
RT: 7.957 min Scan# 1289
Delta R.T. 0.006 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion: 63 Resp: 852

Ion	Ratio	Lower	Upper
63	100		
65	27.9	0.0	59.6

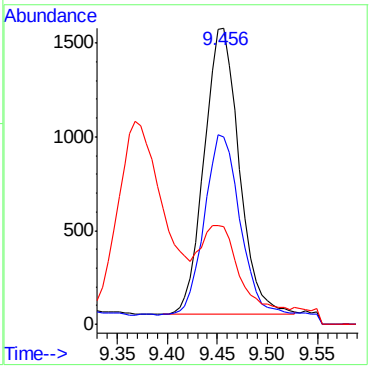


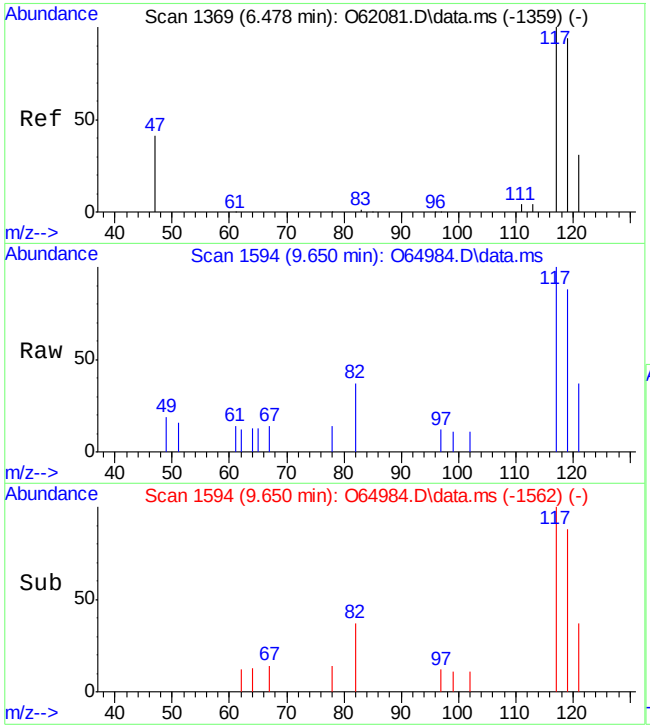


#9
Chloroform
Concen: 0.33 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion: 83 Resp: 3721

Ion	Ratio	Lower	Upper
83	100		
85	63.4	33.7	93.7
47	33.0	5.1	65.1

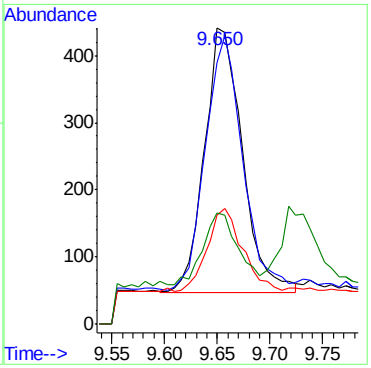


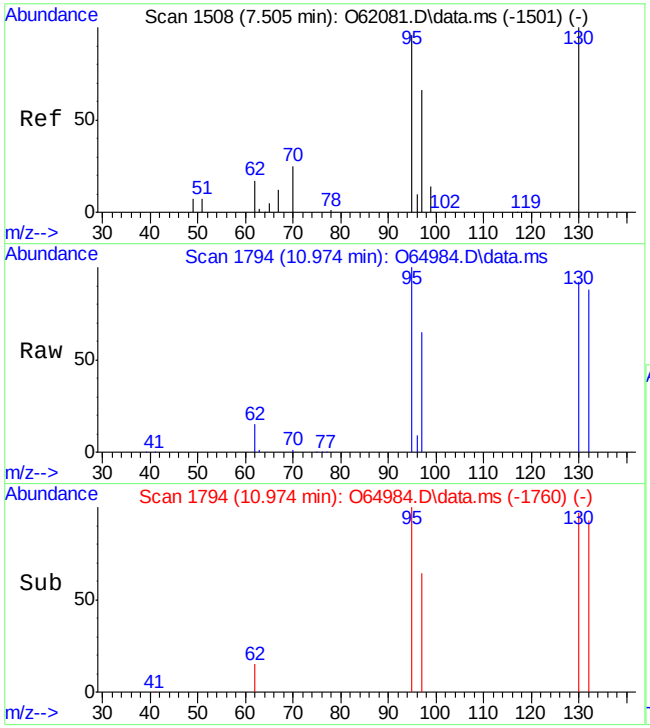


#10
Carbon Tetrachloride
Concen: 0.14 ug/L m
RT: 9.650 min Scan# 1594
Delta R.T. -0.006 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion:117 Resp: 989

Ion	Ratio	Lower	Upper
117	100		
119	88.4	68.2	128.2
121	37.0	1.1	61.1
82	37.4	0.0	54.2

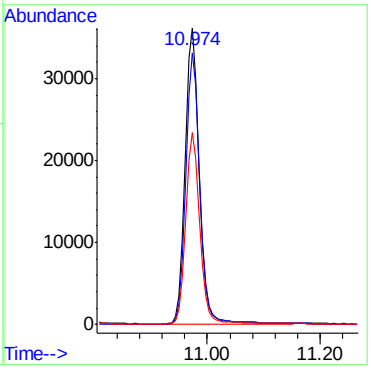


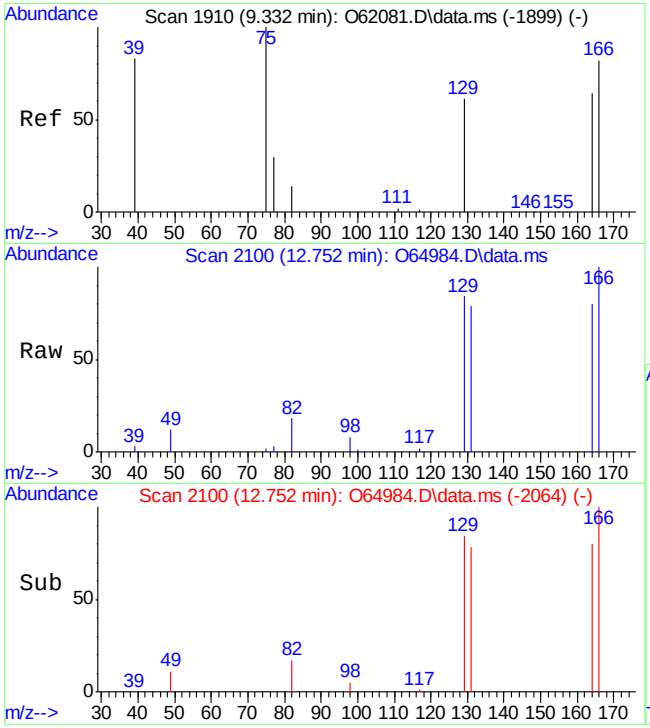


#15
Trichloroethene
Concen: 10.02 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion: 95 Resp: 62492

Ion	Ratio	Lower	Upper
95	100		
130	91.9	69.9	129.9
97	64.7	34.0	94.0

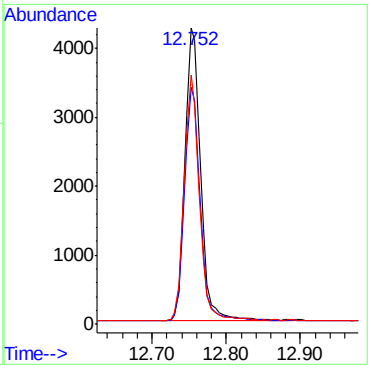




#21
Tetrachloroethene
Concen: 1.12 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O64984.D
Acq: 4 Sep 2021 5:53 pm

Tgt Ion:166 Resp: 6194

Ion	Ratio	Lower	Upper
166	100		
164	79.7	48.0	108.0
129	83.9	36.6	96.6



Manual Integration Approval Summary

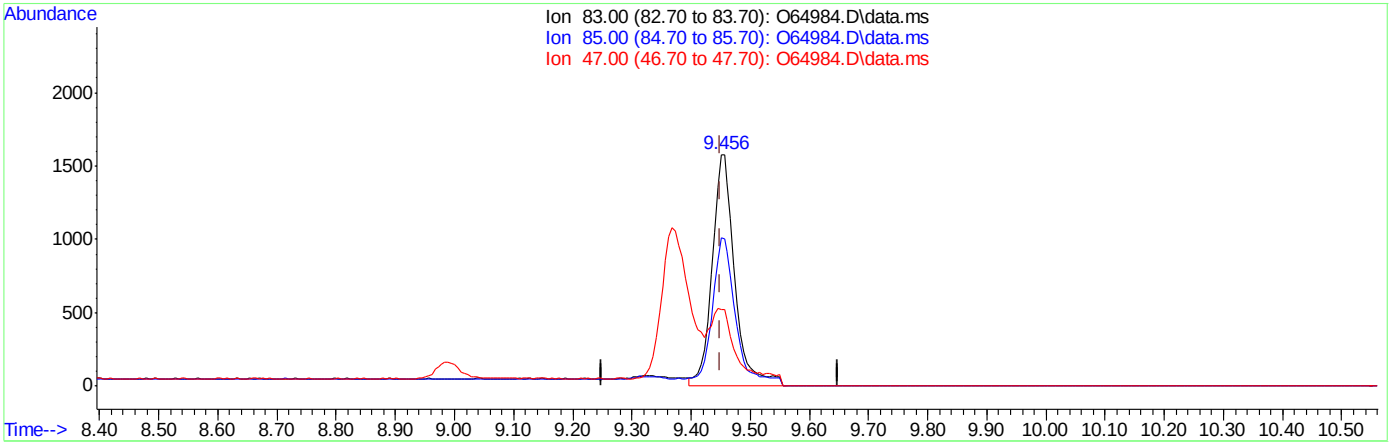
Sample Number: FA88610-18
Lab FileID: O64984.D
Injection Time: 09/04/21 17:53
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:28 Chelsea VanDenBurg

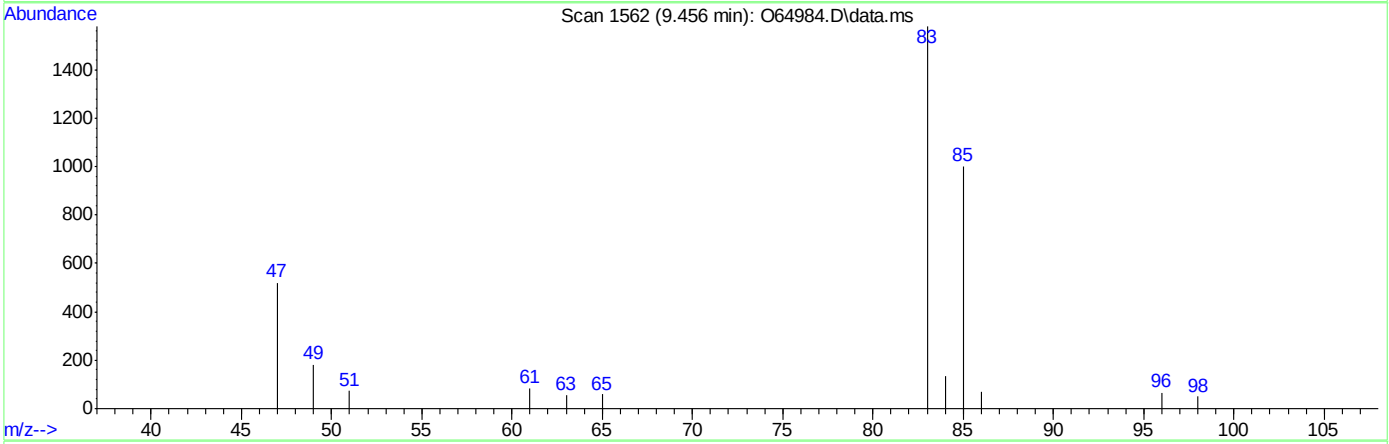
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.65	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 07:52:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64984.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.38ug/L

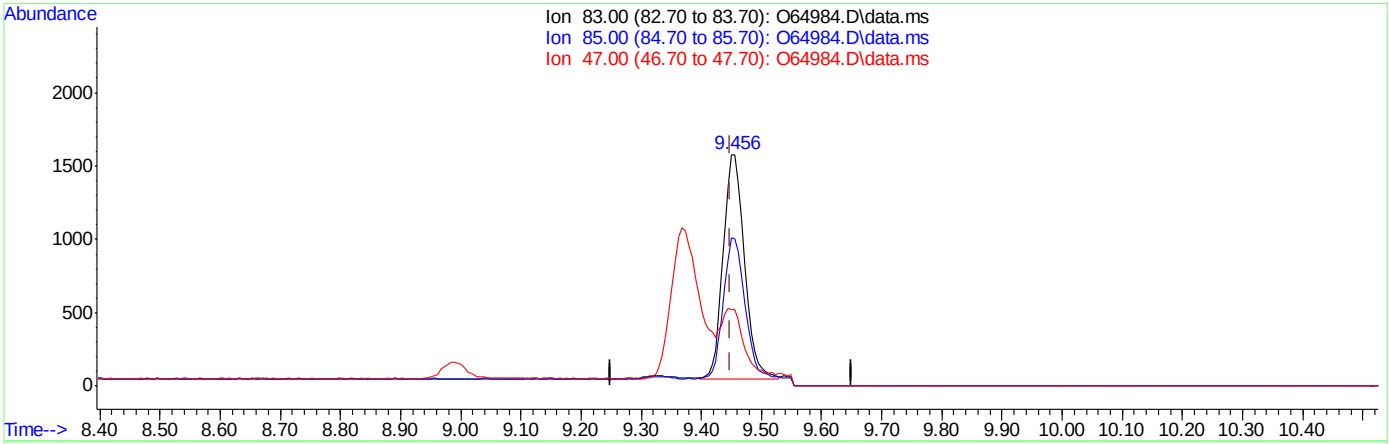
response 4252

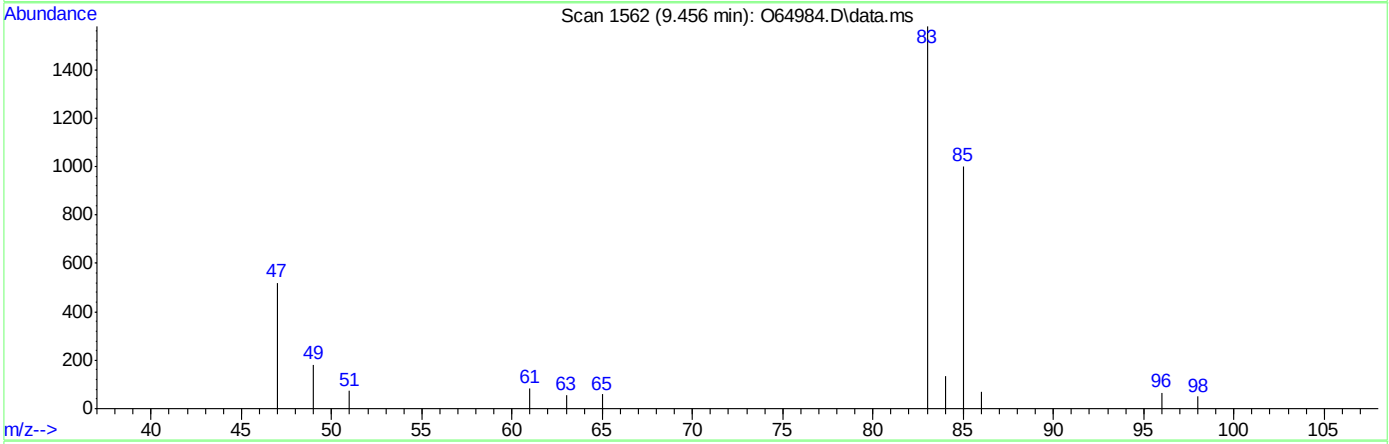
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.39
47.00	35.10	33.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 07:52:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64984.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.33ug/L m

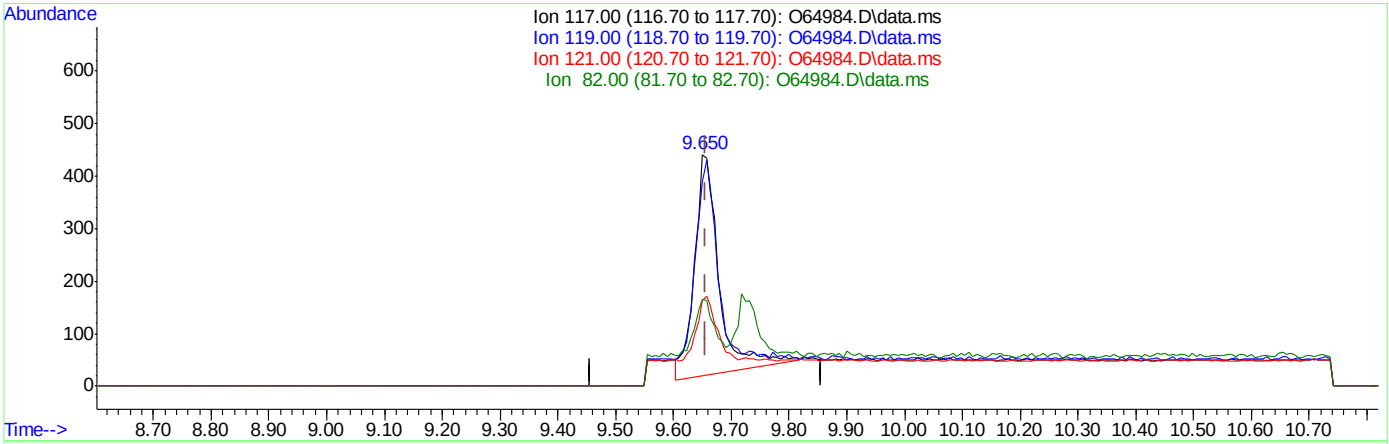
response 3721

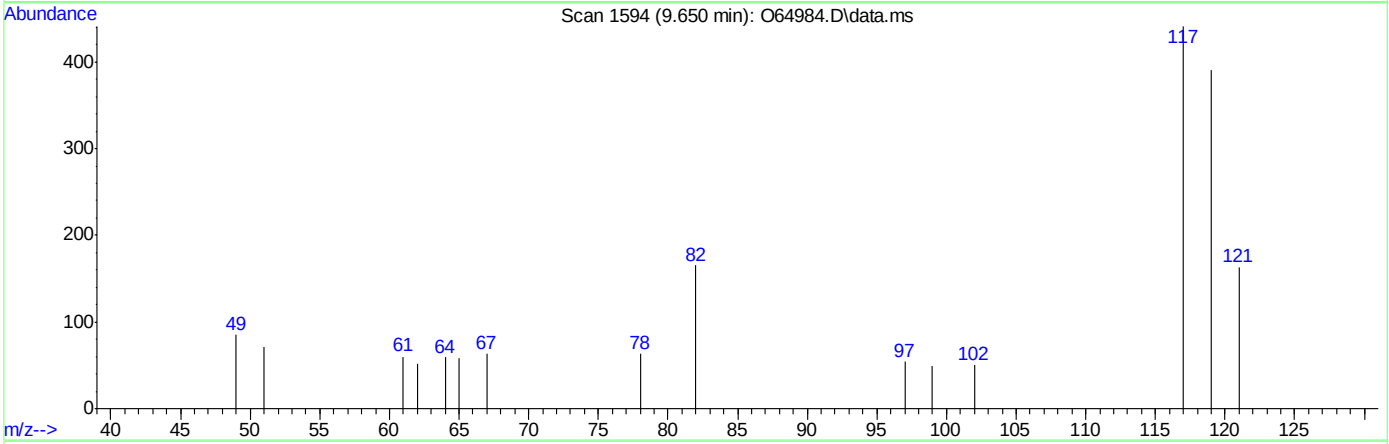
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.39
47.00	35.10	33.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 07:52:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64984.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.17ug/L

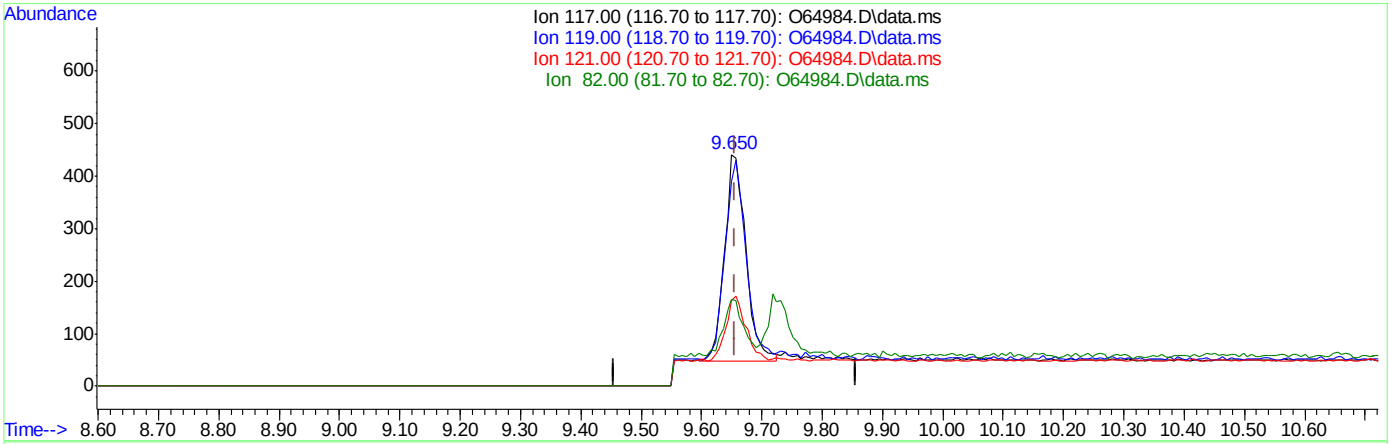
response 1254

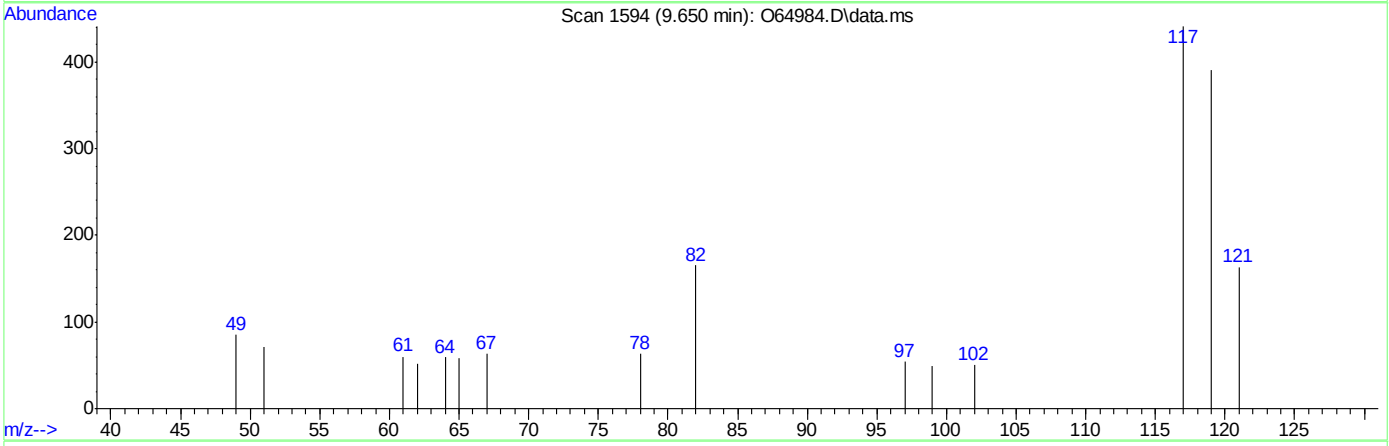
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	86.48
121.00	31.10	28.32
82.00	24.20	27.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64984.D
Acq On : 4 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 07 07:52:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64984.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.14ug/L m

response 989

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	88.44
121.00	31.10	36.96
82.00	24.20	37.41

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/16/21 16:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:40:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

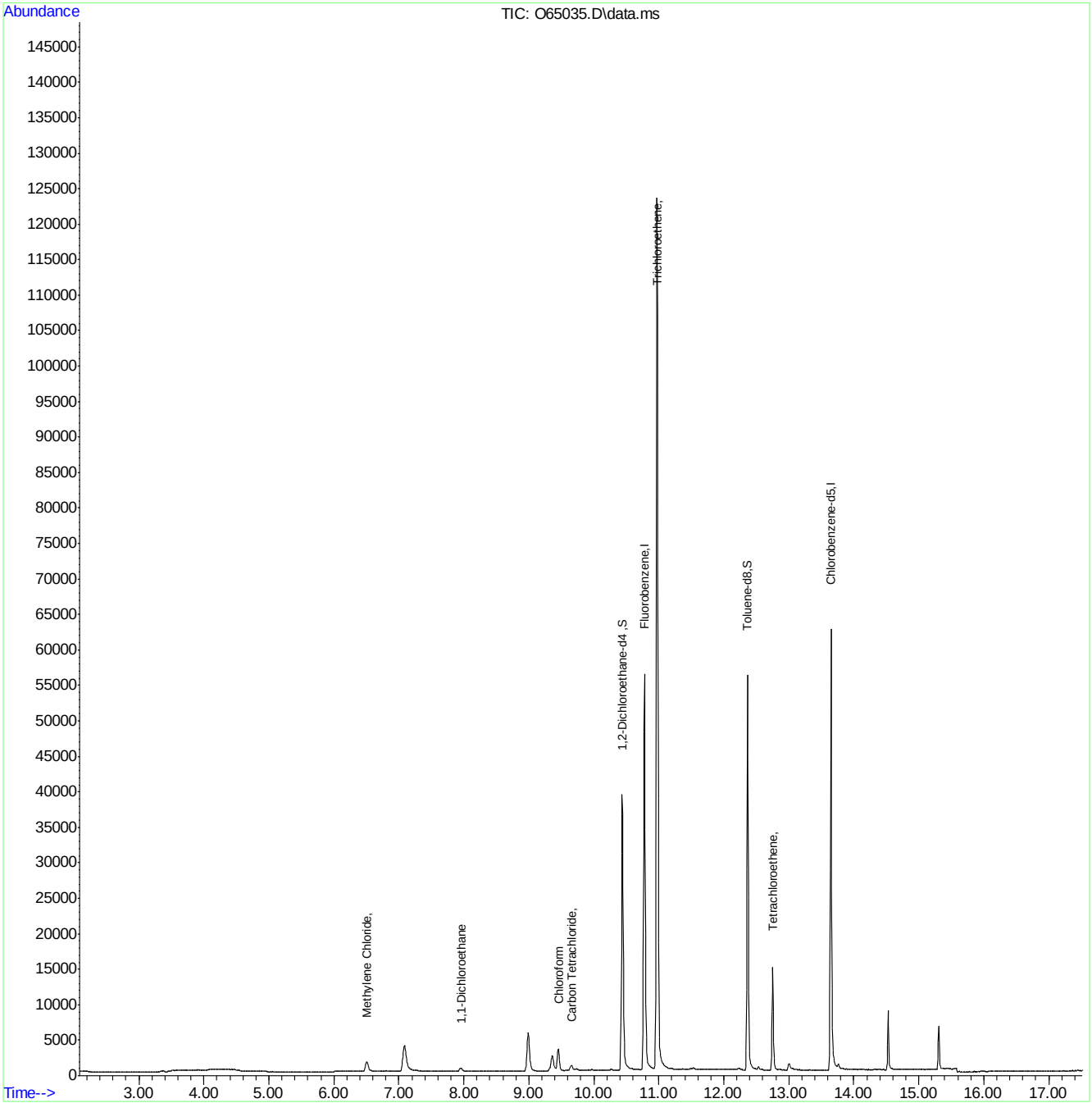
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65061	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	49008	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	36855	7.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 140.20%#			
19) Toluene-d8	12.367	98	49629	4.66	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	1566	0.15	ug/L	94
7) 1,1-Dichloroethane	7.956	63	802	0.07	ug/L	93
9) Chloroform	9.456	83	3668m	0.30	ug/L	
10) Carbon Tetrachloride	9.657	117	633m	0.14	ug/L	
15) Trichloroethene	10.974	95	57351	8.96	ug/L	95
21) Tetrachloroethene	12.758	166	5766	1.03	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

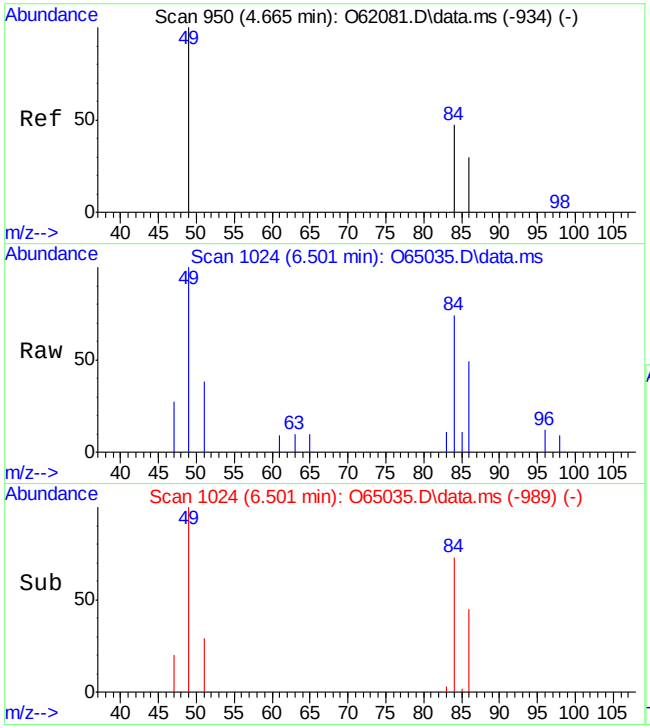
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:40:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



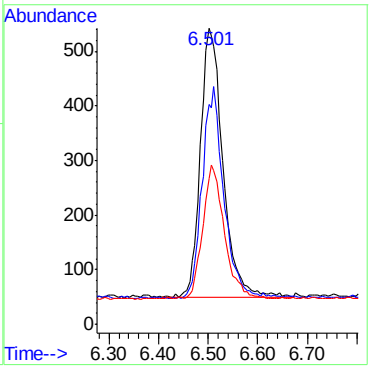
SIMCL-09-07-2021.M Wed Sep 08 07:55:48 2021 Page: 2

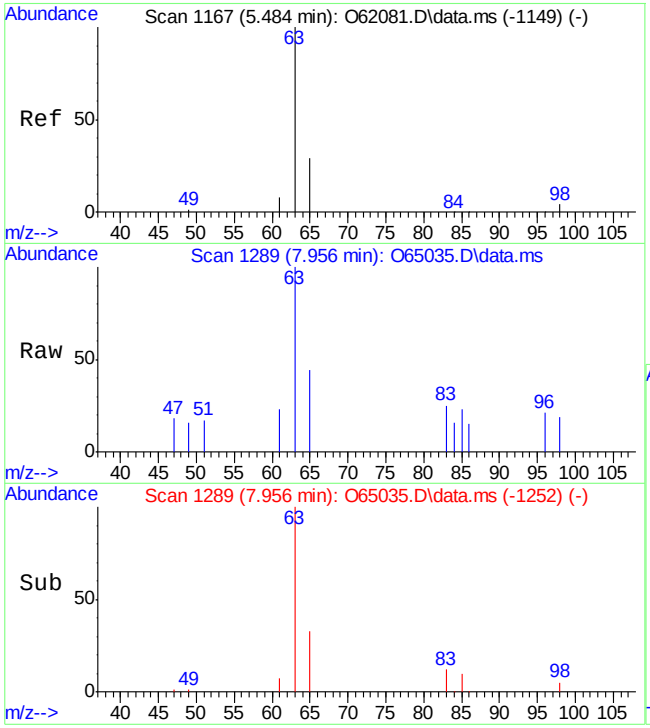


#5
Methylene Chloride
Concen: 0.15 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.005 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion: 49 Resp: 1566

Ion	Ratio	Lower	Upper
49	100		
84	72.2	35.5	95.5
86	44.6	12.8	72.8

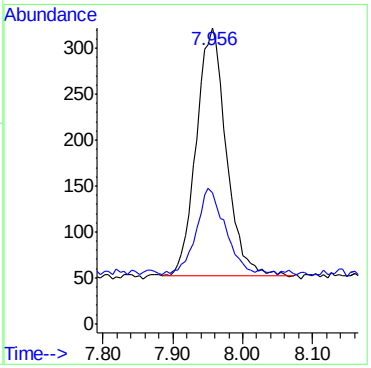


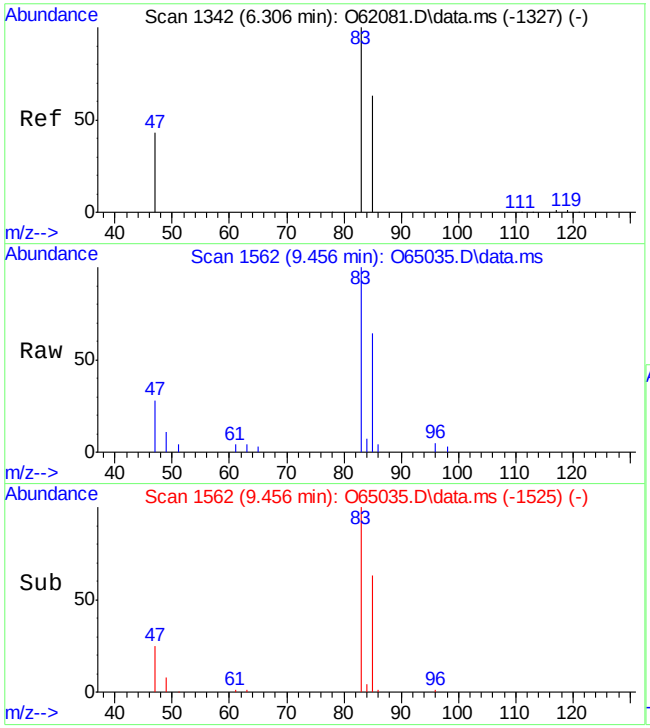


#7
1,1-Dichloroethane
Concen: 0.07 ug/L
RT: 7.956 min Scan# 1289
Delta R.T. 0.005 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion: 63 Resp: 802

Ion	Ratio	Lower	Upper
63	100		
65	33.3	0.0	59.6

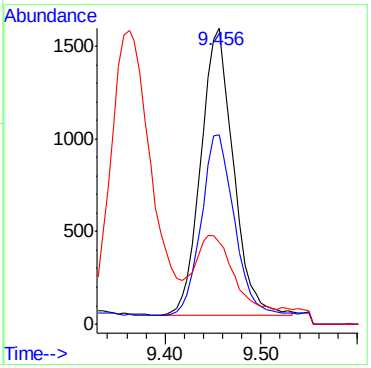


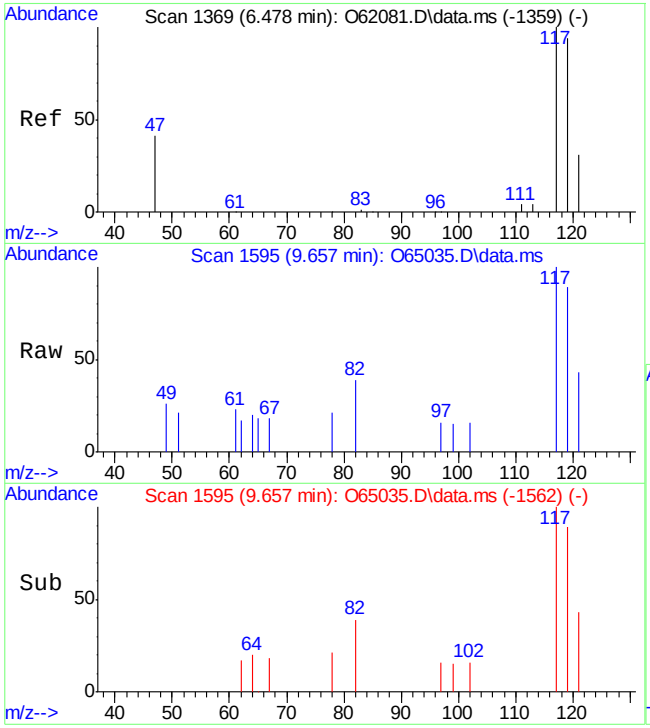


#9
Chloroform
Concen: 0.30 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion: 83 Resp: 3668

Ion	Ratio	Lower	Upper
83	100		
85	63.9	33.7	93.7
47	27.6	5.1	65.1

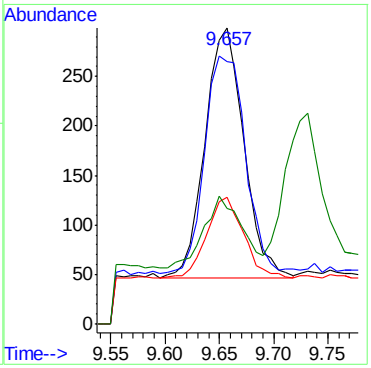


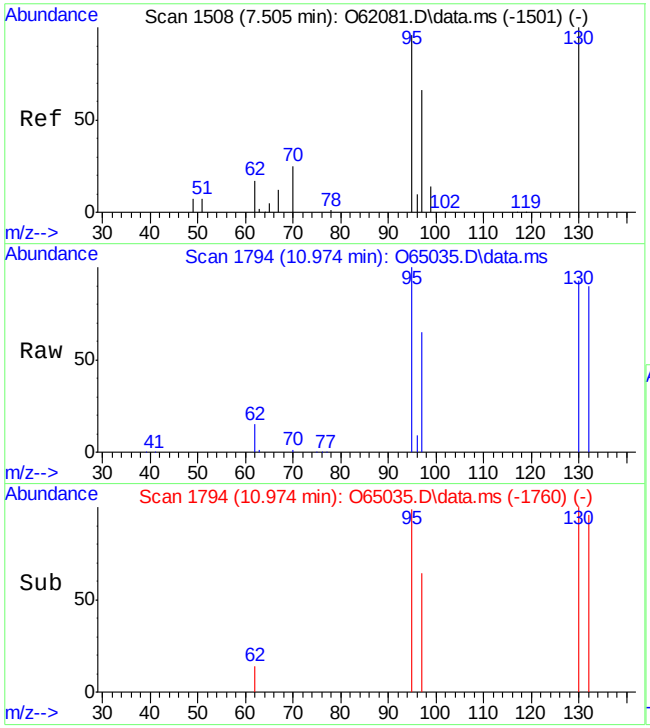


#10
Carbon Tetrachloride
Concen: 0.14 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion:117 Resp: 633

Ion	Ratio	Lower	Upper
117	100		
119	88.6	68.2	128.2
121	42.8	1.1	61.1
82	39.1	0.0	54.2

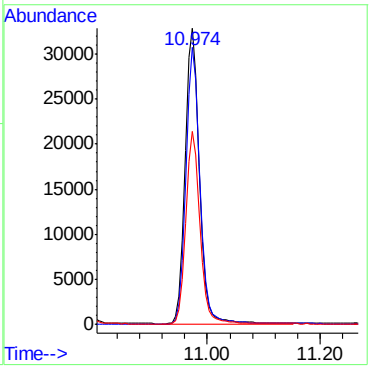


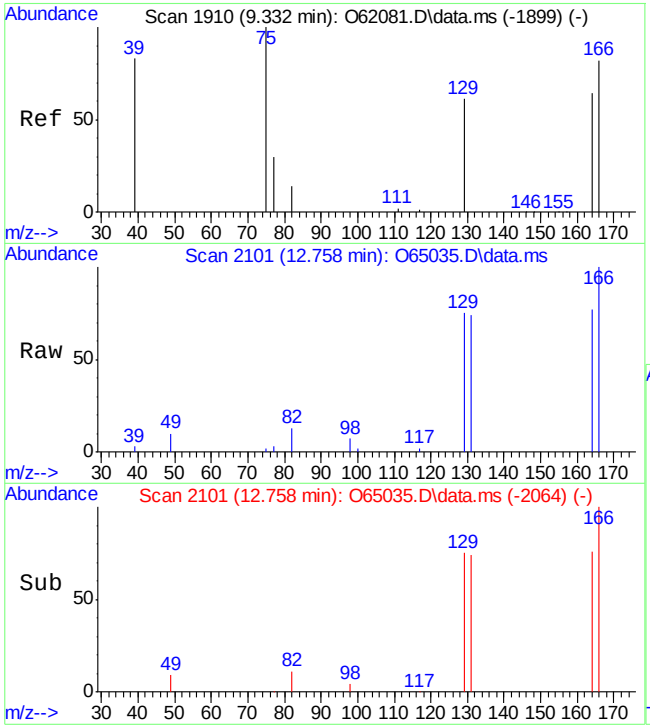


#15
Trichloroethene
Concen: 8.96 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion: 95 Resp: 57351

Ion	Ratio	Lower	Upper
95	100		
130	93.5	69.9	129.9
97	65.3	34.0	94.0

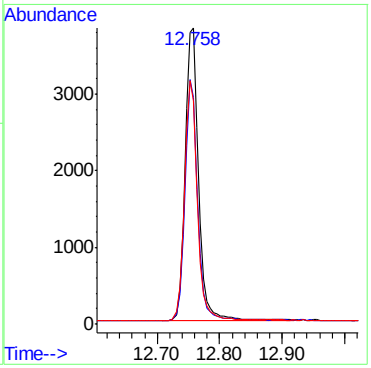




#21
Tetrachloroethene
Concen: 1.03 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65035.D
Acq: 7 Sep 2021 11:13 pm

Tgt Ion:166 Resp: 5766

Ion	Ratio	Lower	Upper
166	100		
164	76.2	48.0	108.0
129	75.1	36.6	96.6



Manual Integration Approval Summary

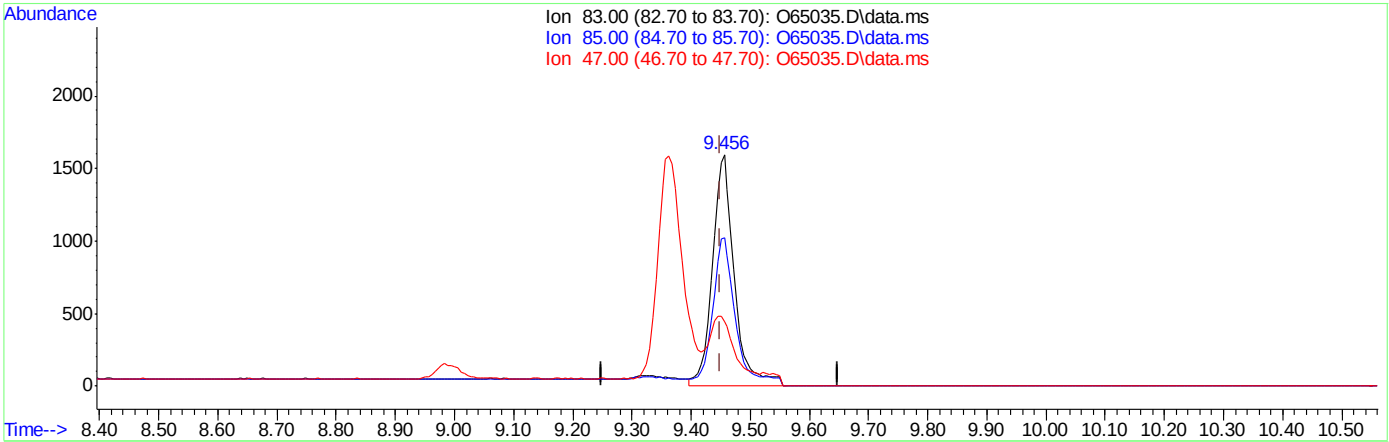
Sample Number: FA88610-18
Lab FileID: O65035.D
Injection Time: 09/07/21 23:13
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:01 Charlene Gonzalez
Supervisor approved: 09/16/21 16:21 Chelsea VanDenBurg

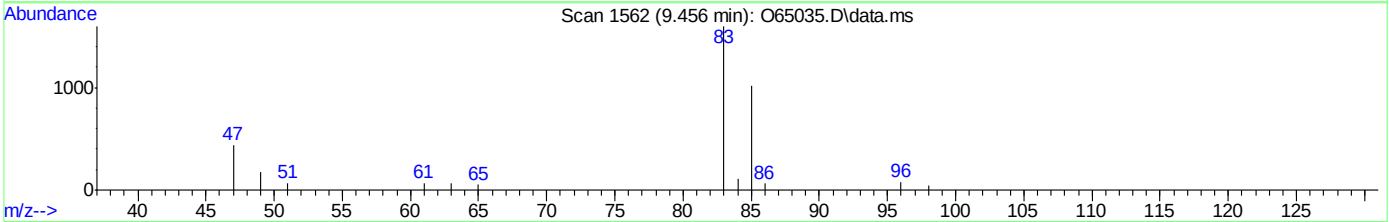
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

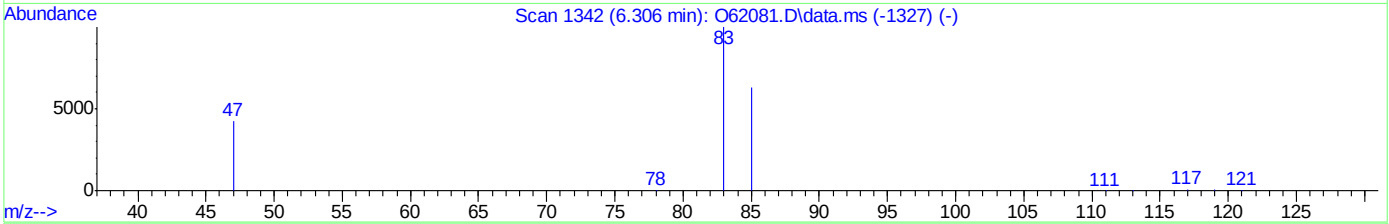
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:33:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65035.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.34ug/L

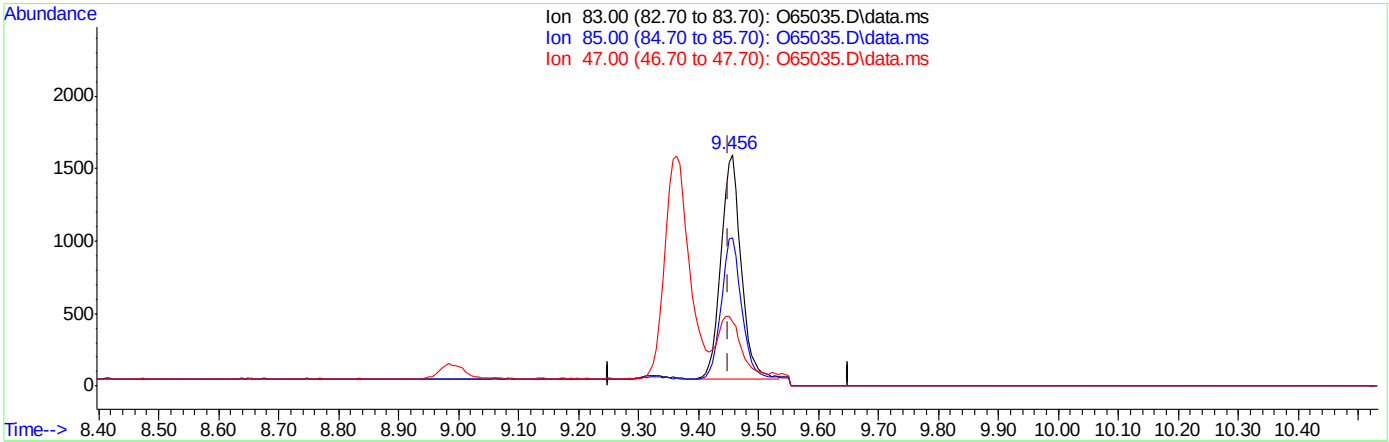
response 4159

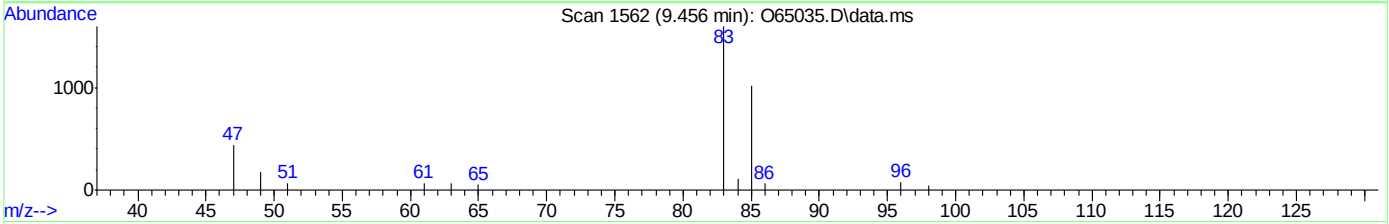
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.93
47.00	35.10	27.61
0.00	0.00	0.00

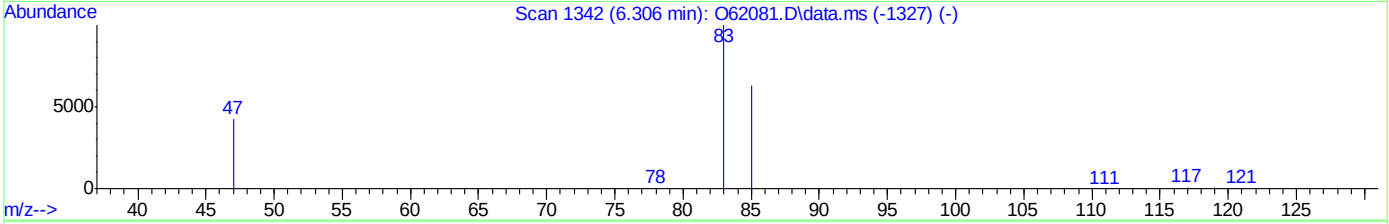
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:33:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65035.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.30ug/L m

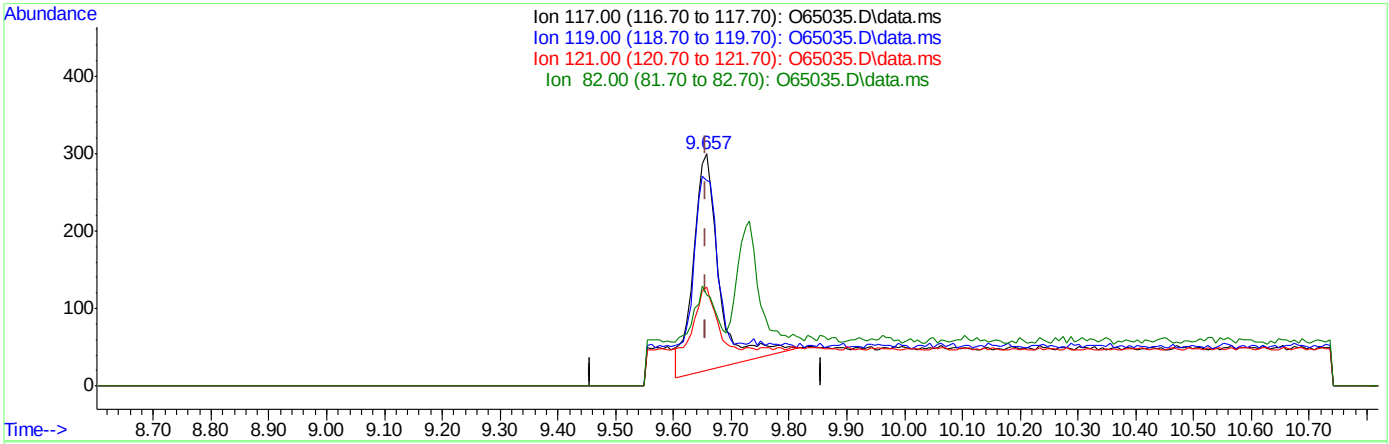
response 3668

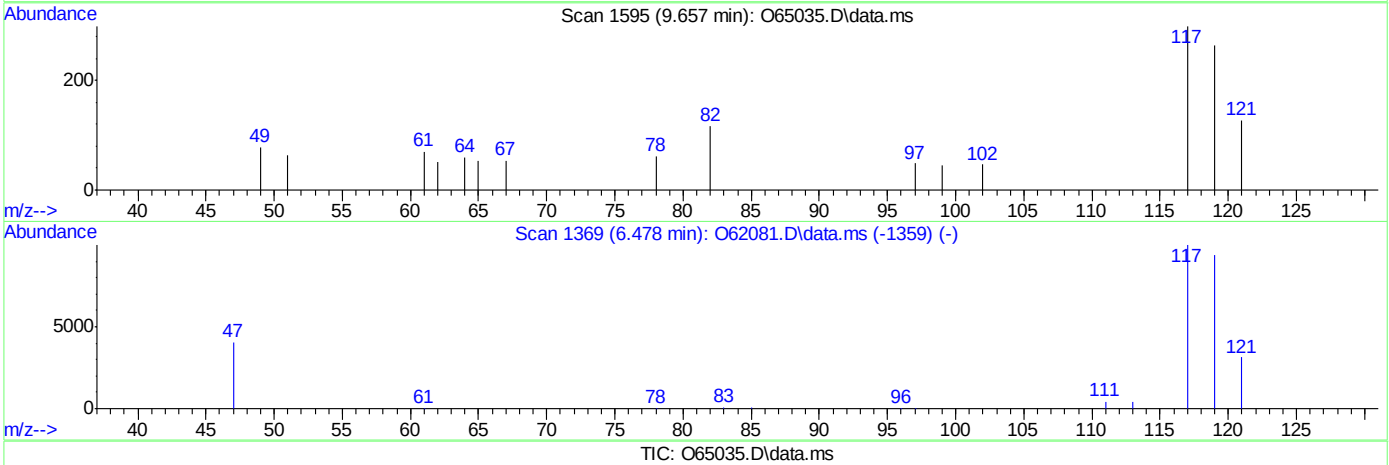
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.93
47.00	35.10	27.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:33:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65035.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.20ug/L

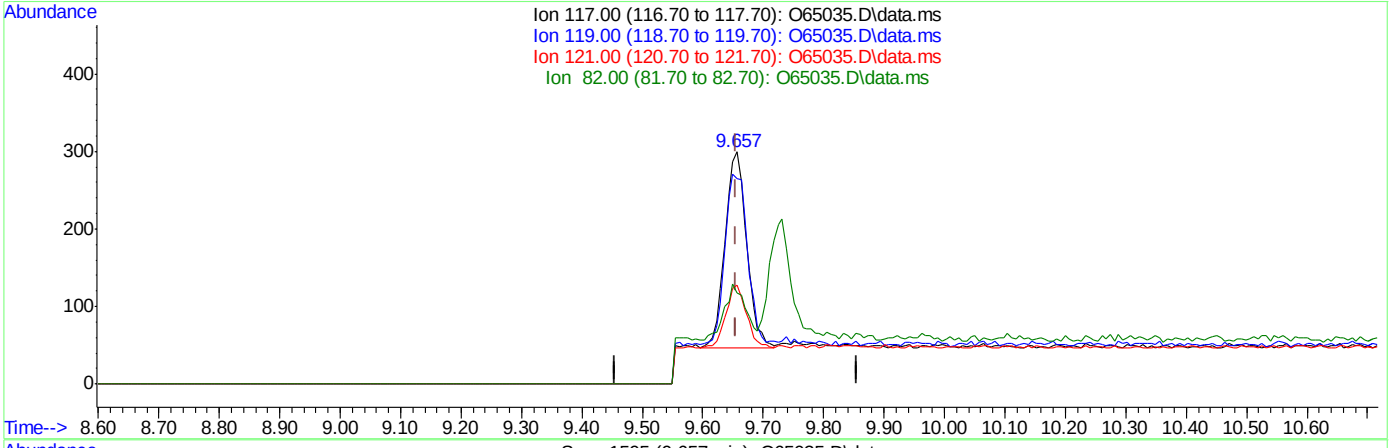
response 872

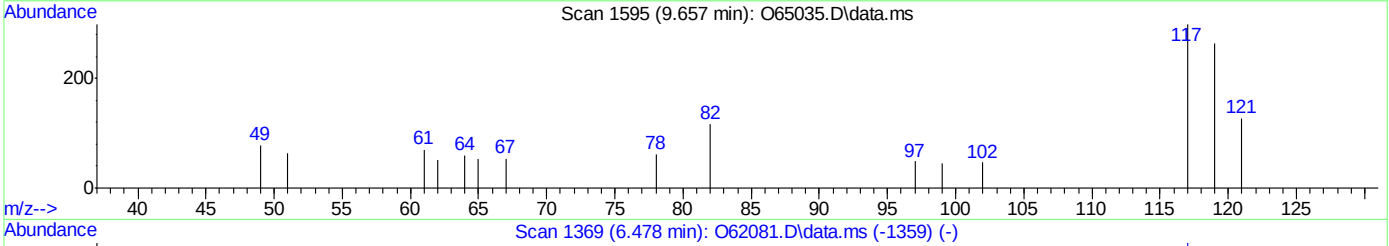
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	85.20
121.00	31.10	32.00
82.00	24.20	24.00

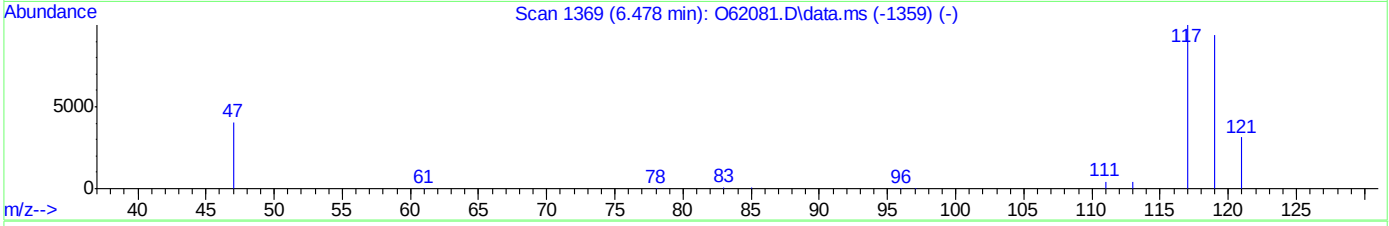
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65035.D
Acq On : 7 Sep 2021 11:13 pm
Operator : CHARLENG
Sample : FA88610-18 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 08 07:33:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration







TIC: O65035.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.14ug/L m

response 633

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	88.63
121.00	31.10	42.81
82.00	24.20	39.13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

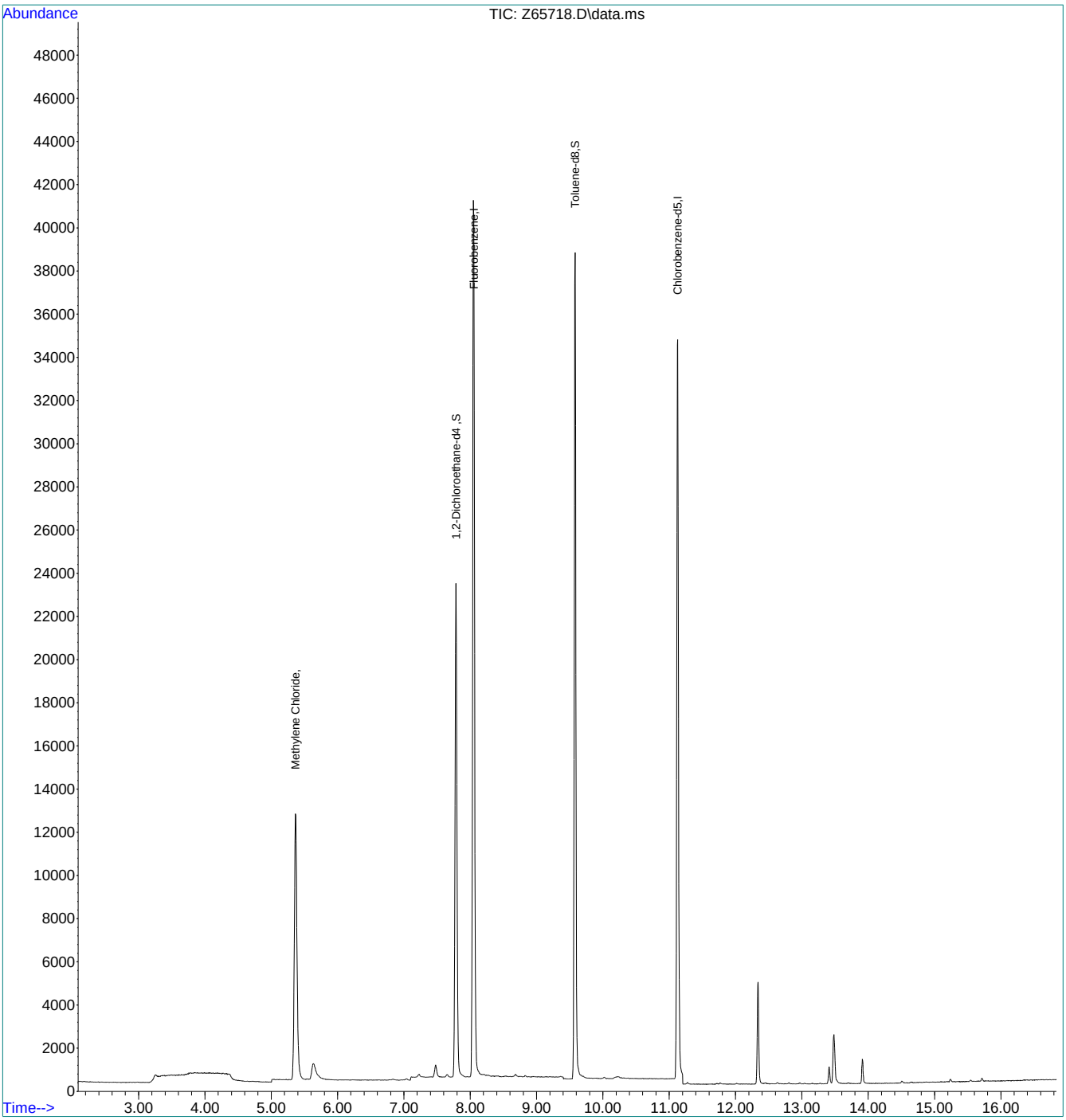
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	49294	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	34756	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	22199	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	9.582	98	39126	5.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	11597	1.44	ug/L	# 62

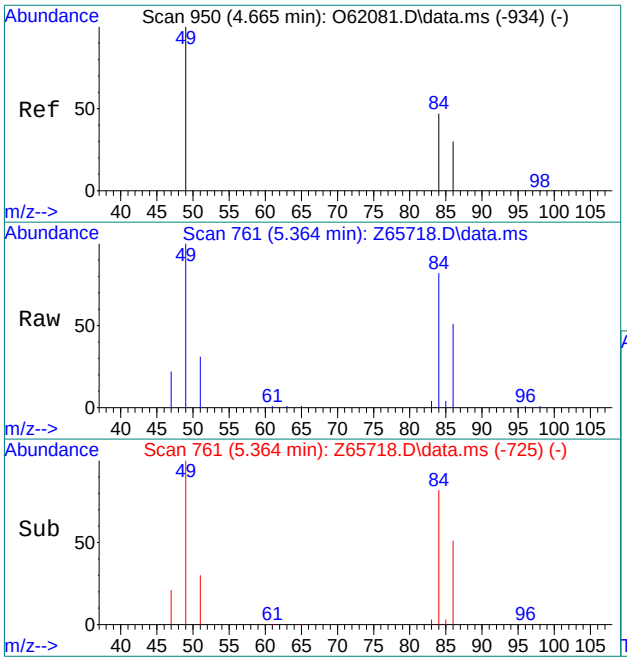
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

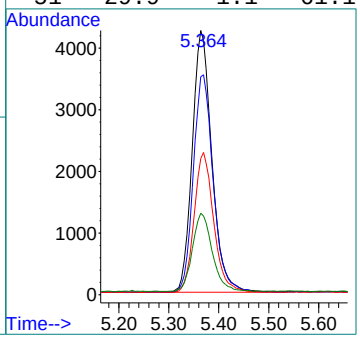




#5
Methylene Chloride
Concen: 1.44 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65718.D
Acq: 3 Sep 2021 10:44 am

Tgt Ion: 49 Resp: 11597

Ion	Ratio	Lower	Upper
49	100		
84	82.3	13.9	73.9#
86	51.0	0.0	58.0
51	29.9	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:27:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

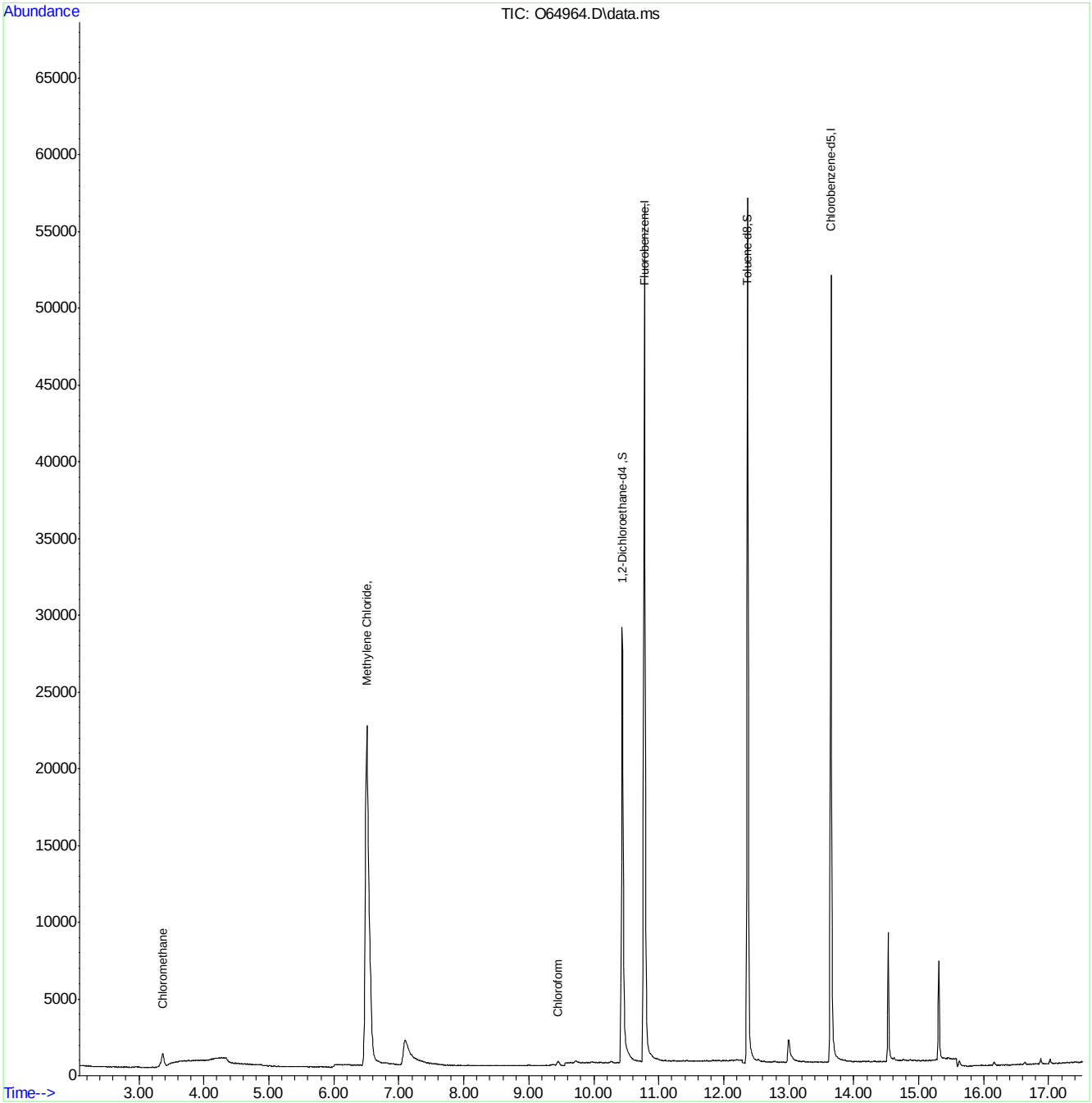
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65441	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	44186	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	29093	5.22	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.40%			
19) Toluene-d8	12.367	98	50212	5.17	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 103.40%			
Target Compounds						Qvalue
3) Chloromethane	3.368	50	2217	0.23	ug/L	84
5) Methylene Chloride	6.501	49	31844	0.33	ug/L	92
9) Chloroform	9.445	83	315m	0.02	ug/L	

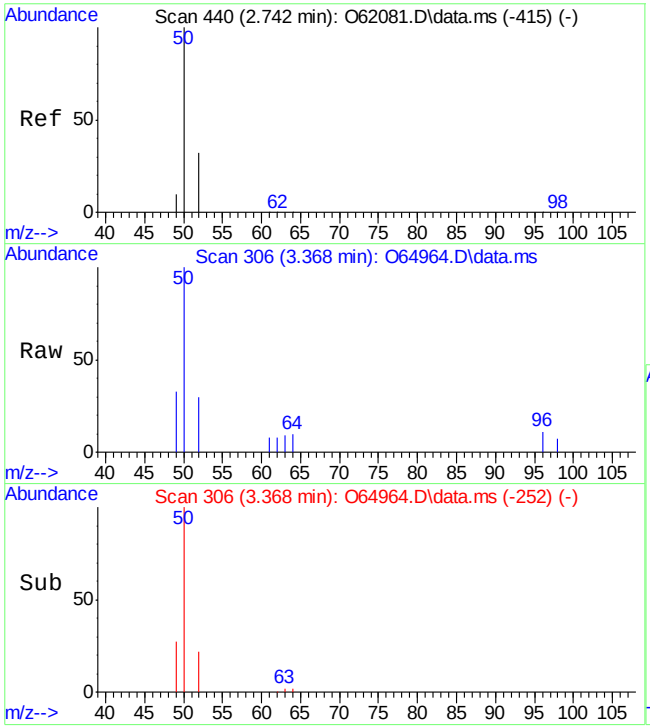
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:27:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

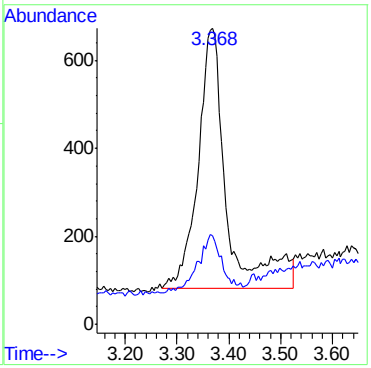


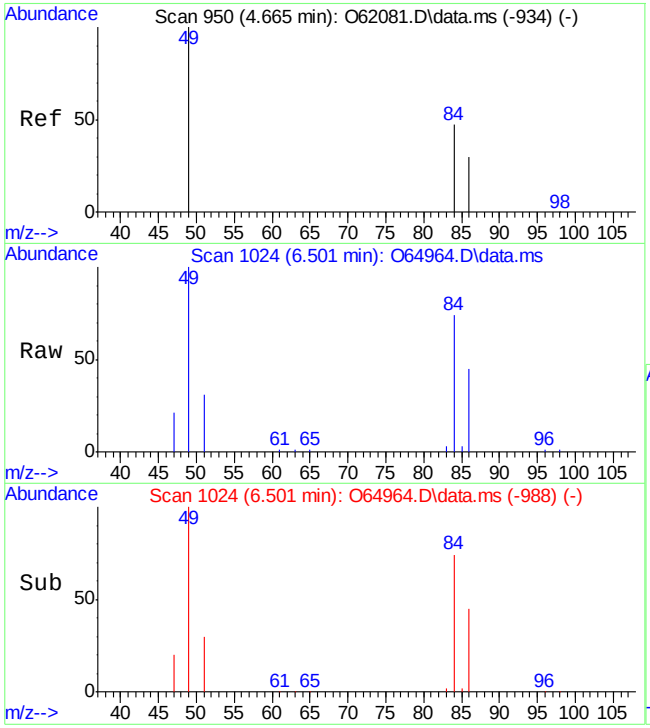


#3
Chloromethane
Concen: 0.23 ug/L
RT: 3.368 min Scan# 306
Delta R.T. 0.025 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 50 Resp: 2217

Ion	Ratio	Lower	Upper
50	100		
52	22.2	1.0	61.0

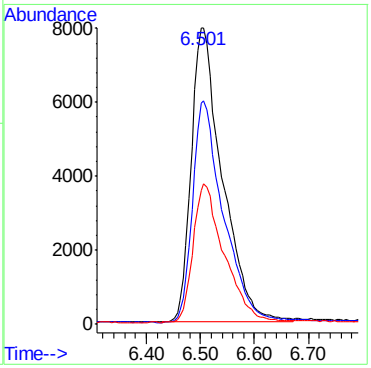


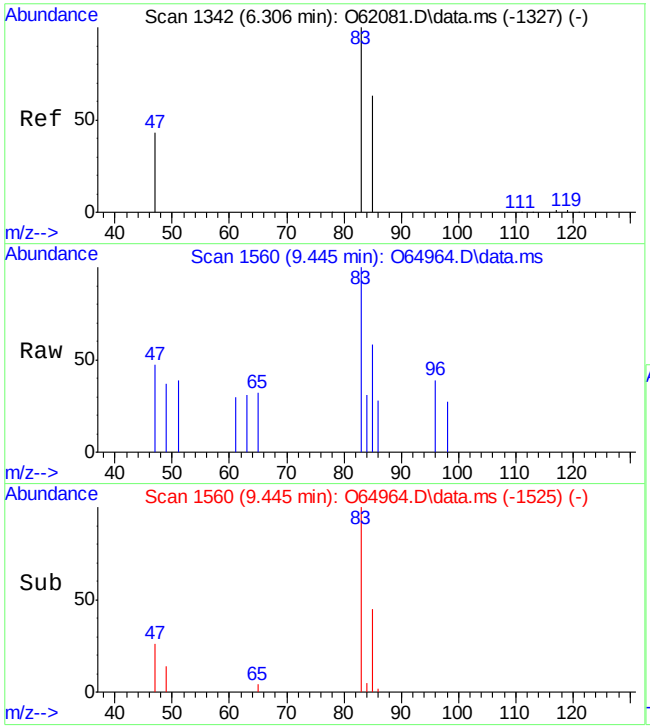


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 49 Resp: 31844

Ion	Ratio	Lower	Upper
49	100		
84	74.4	35.5	95.5
86	44.6	12.8	72.8

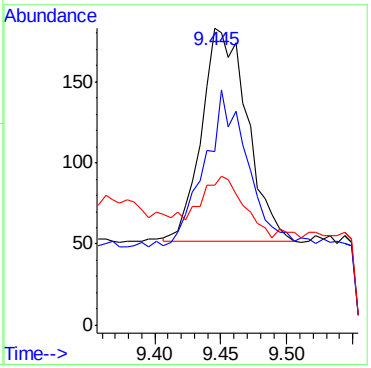




#9
Chloroform
Concen: 0.02 ug/L m
RT: 9.445 min Scan# 1560
Delta R.T. -0.005 min
Lab File: O64964.D
Acq: 4 Sep 2021 10:09 am

Tgt Ion: 83 Resp: 315

Ion	Ratio	Lower	Upper
83	100		
85	58.5	33.7	93.7
47	47.0	5.1	65.1



Manual Integration Approval Summary

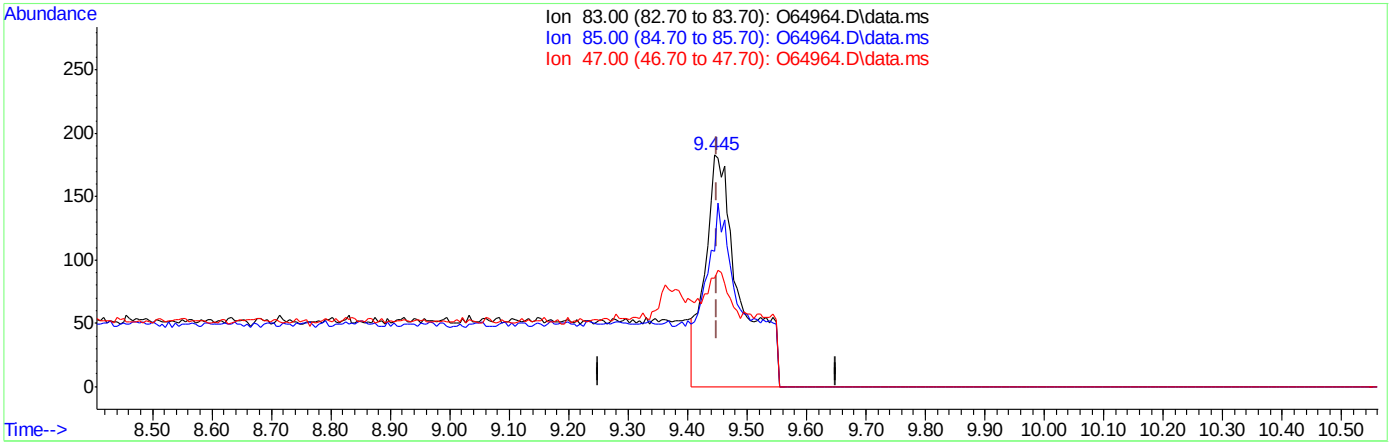
Sample Number: VO2547-MB
Lab FileID: O64964.D
Injection Time: 09/04/21 10:09
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

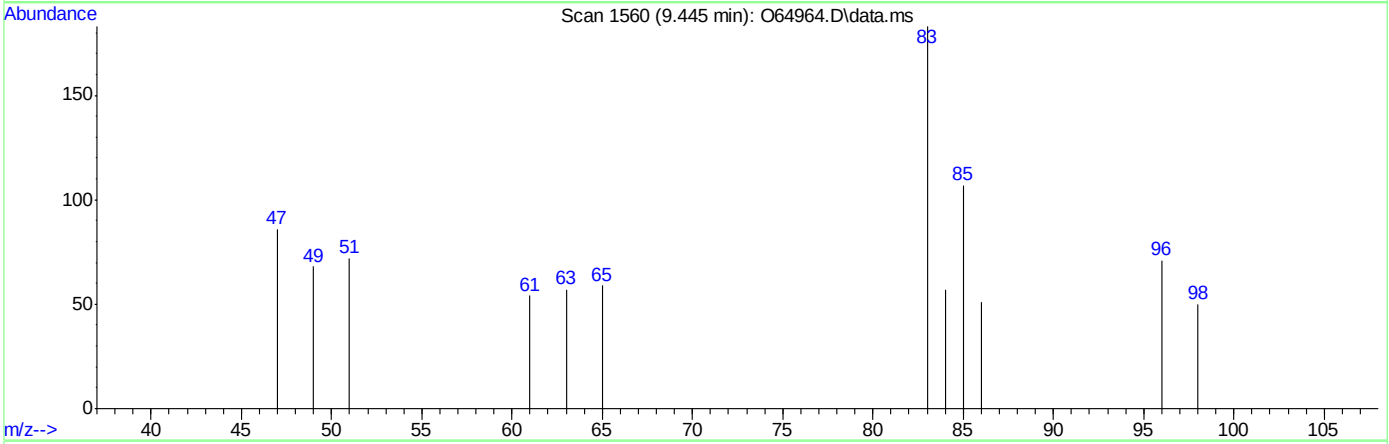
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:26:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64964.D\data.ms

(9) Chloroform

9.445min (-0.005) 0.05ug/L

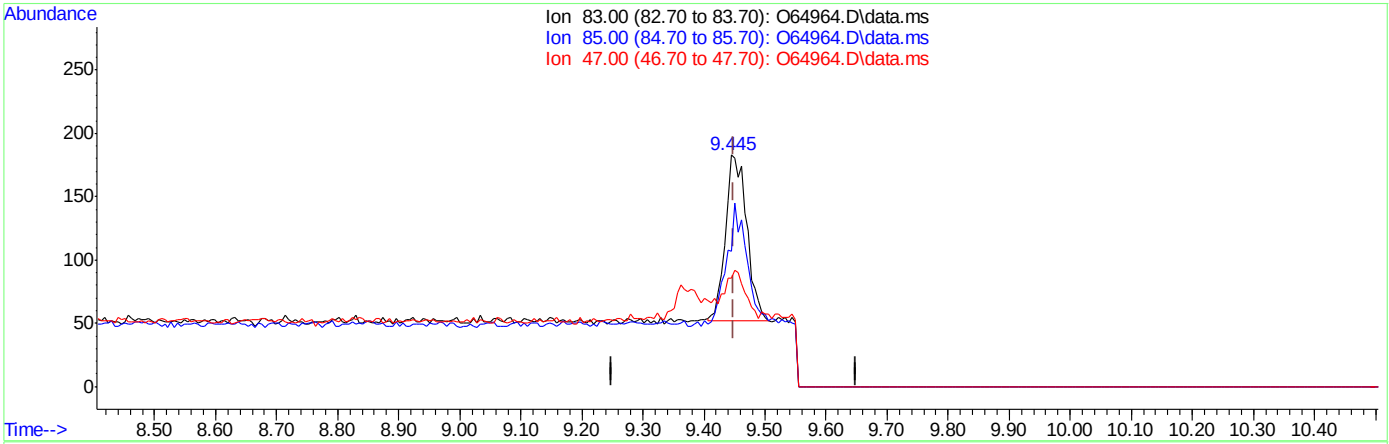
response 769

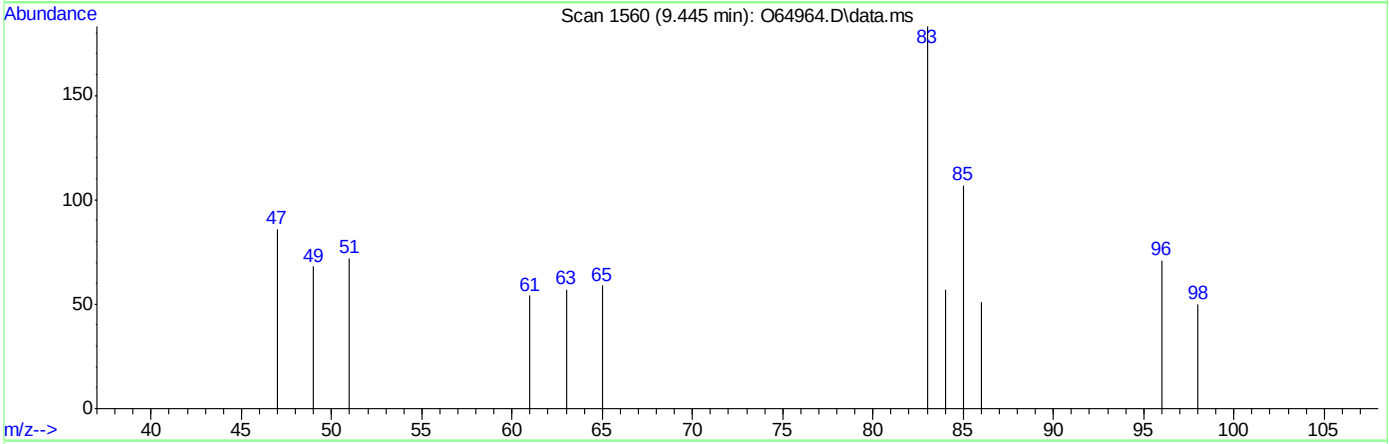
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	58.47
47.00	35.10	46.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64964.D
Acq On : 4 Sep 2021 10:09 am
Operator : CHARLENG
Sample : MB Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 10:26:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64964.D\data.ms

(9) Chloroform

9.445min (-0.005) 0.02ug/L m

response 315

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	58.47
47.00	35.10	46.99
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

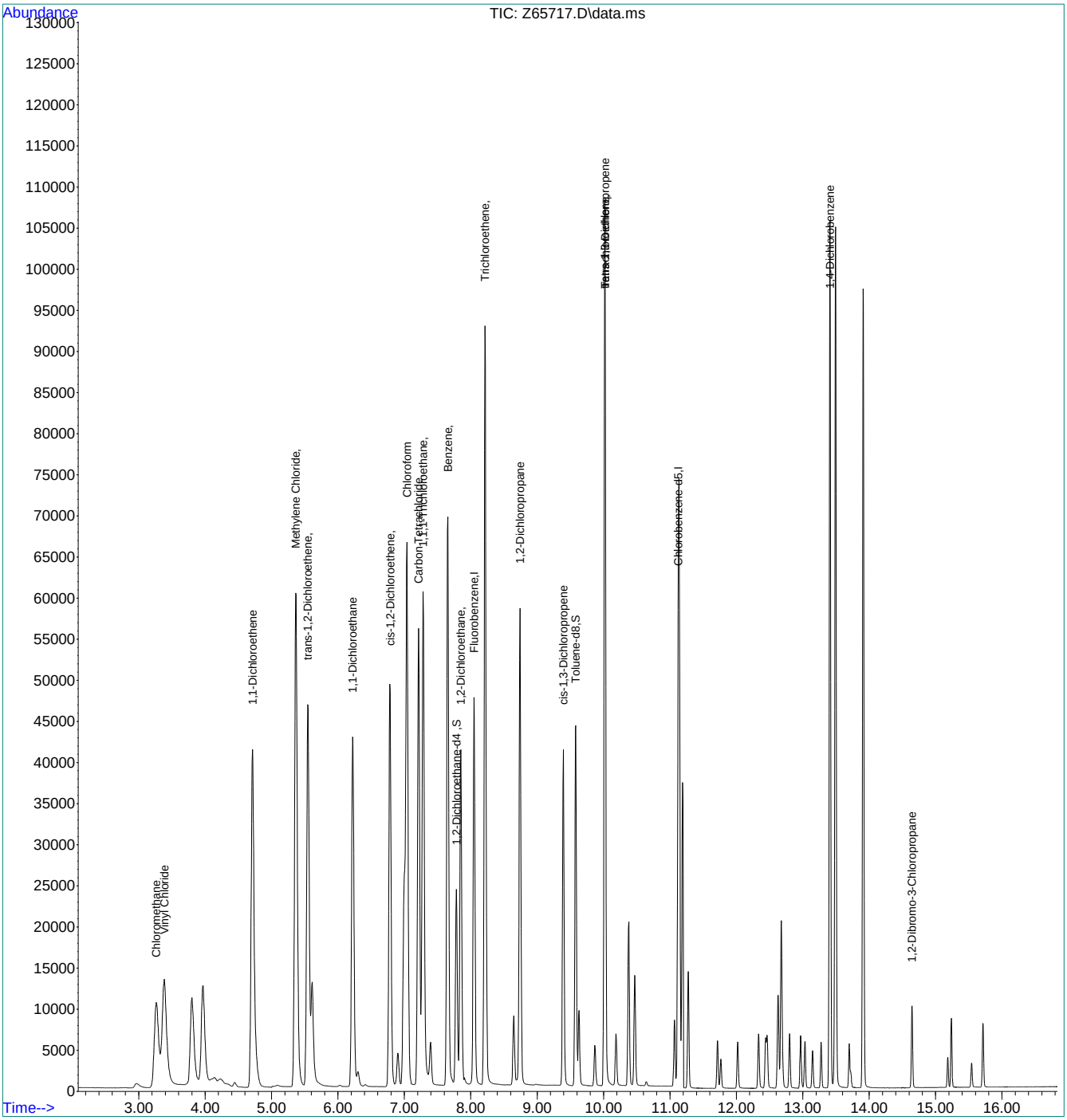
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56138	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	44608	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	22654	4.70	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.00%				
19) Toluene-d8	9.576	98	44678	4.86	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	39920	4.32	ug/L		97
3) Chloromethane	3.263	50	36326	4.09	ug/L		98
4) 1,1-Dichloroethene	4.713	61	51442	5.56	ug/L		96
5) Methylene Chloride	5.364	49	56293	6.31	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	46160	5.39	ug/L		82
7) 1,1-Dichloroethane	6.221	63	60084	5.39	ug/L		96
8) cis-1,2-Dichloroethene	6.786	96	32101	5.20	ug/L	#	72
9) Chloroform	7.039	83	69706	5.02	ug/L		87
10) Carbon Tetrachloride	7.213	117	47633	5.54	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	56221	5.30	ug/L		89
12) Benzene	7.655	78	118144	5.26	ug/L		78
14) 1,2-Dichloroethane	7.851	62	41494	4.78	ug/L		85
15) Trichloroethene	8.214	95	34019	5.30	ug/L		95
16) 1,2-Dichloropropane	8.742	63	29547	5.06	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	34710	4.61	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	33070	5.02	ug/L	#	72
21) Tetrachloroethene	10.022	166	31164	5.23	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	64187	5.37	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3808	4.27	ug/L	#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64963.D
Acq On : 4 Sep 2021 9:46 am
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 10:12:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

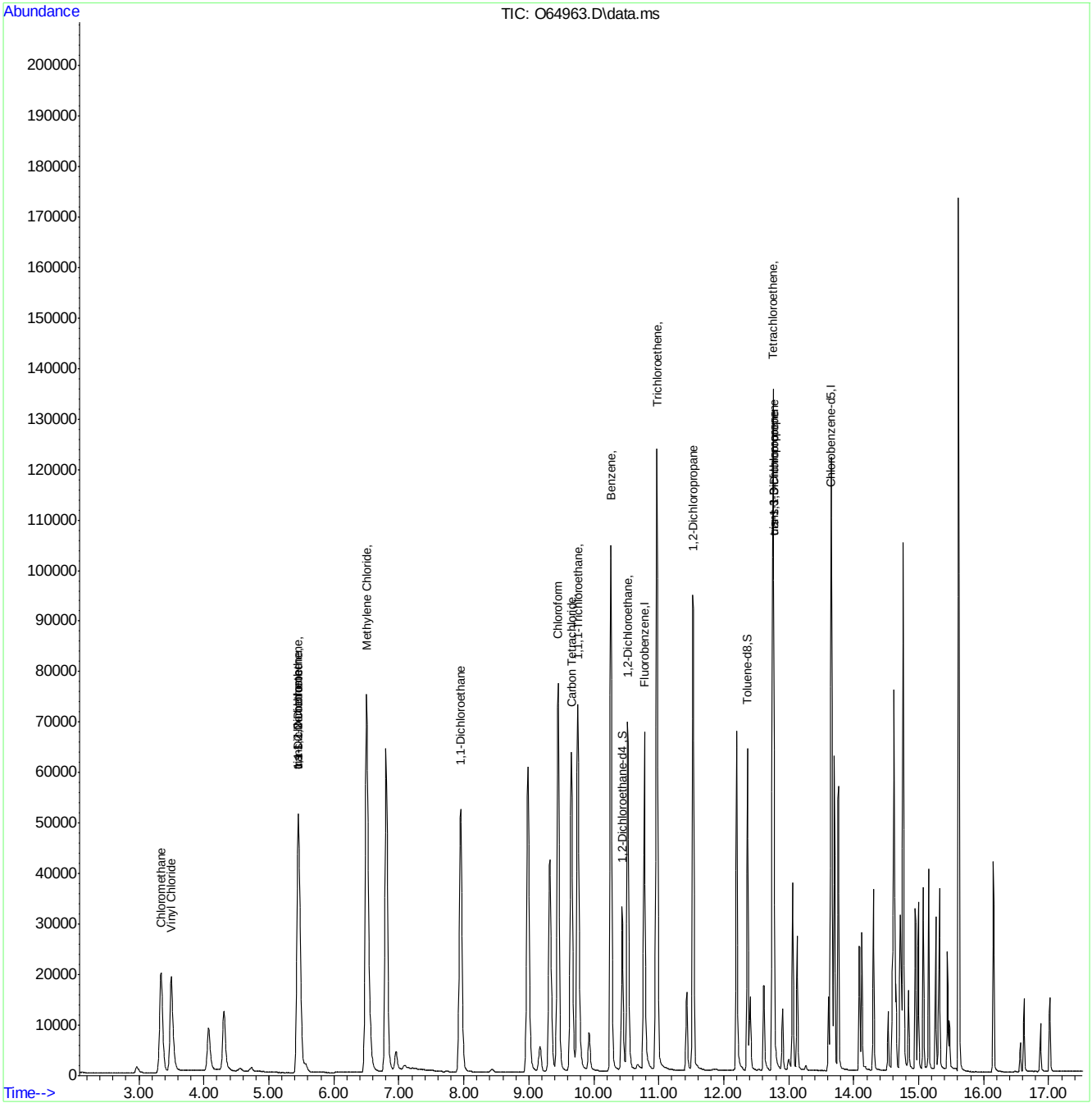
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	74713	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	50924	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29576	4.65	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%				
19) Toluene-d8	12.367	98	56625	5.06	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	40786	4.46	ug/L		99
3) Chloromethane	3.339	50	47335	4.40	ug/L		97
4) 1,1-Dichloroethene	5.452	61	77553	5.33	ug/L		92
5) Methylene Chloride	6.501	49	90874	0.82	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	77553	5.33	ug/L		85
7) 1,1-Dichloroethane	7.951	63	90459	5.28	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	44041	5.35	ug/L	#	76
9) Chloroform	9.450	83	92247	5.31	ug/L		93
10) Carbon Tetrachloride	9.657	117	60053	5.30	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	73781	5.31	ug/L		99
12) Benzene	10.267	78	169485	5.20	ug/L		90
14) 1,2-Dichloroethane	10.519	62	72636	4.82	ug/L		92
15) Trichloroethene	10.974	95	52168	5.32	ug/L		95
16) 1,2-Dichloropropane	11.525	63	46648	5.11	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	55950	5.52	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	55950	5.50	ug/L		87
21) Tetrachloroethene	12.752	166	42351	5.38	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64963.D
Acq On : 4 Sep 2021 9:46 am
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 10:12:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

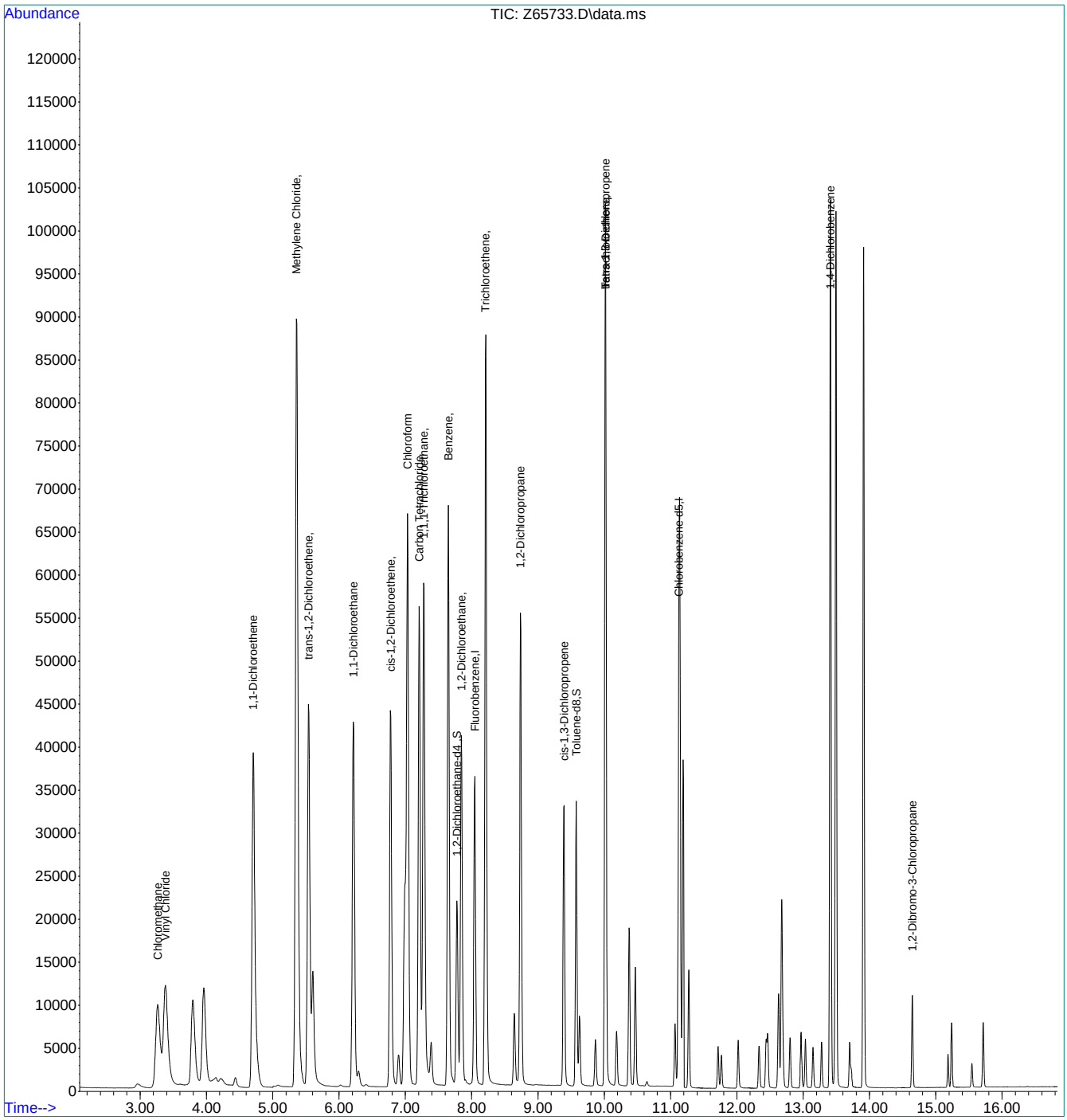
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	42576	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	37557	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.777	65	20296	5.55	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.00%				
19) Toluene-d8	9.576	98	32739	4.23	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 84.60%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	36385	5.19	ug/L		97
3) Chloromethane	3.267	50	34867	5.22	ug/L		98
4) 1,1-Dichloroethene	4.704	61	48377	6.90	ug/L		96
5) Methylene Chloride	5.358	49	82703	12.69	ug/L	#	62
6) trans-1,2-Dichloroethene	5.539	61	43001	6.62	ug/L		79
7) 1,1-Dichloroethane	6.215	63	58781	6.96	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	28083	6.00	ug/L	#	71
9) Chloroform	7.033	83	68453	6.50	ug/L		87
10) Carbon Tetrachloride	7.207	117	46770	7.17	ug/L		98
11) 1,1,1-Trichloroethane	7.275	97	55113	6.85	ug/L		89
12) Benzene	7.648	78	109688	6.44	ug/L		79
14) 1,2-Dichloroethane	7.845	62	42015	6.38	ug/L		86
15) Trichloroethene	8.208	95	32082	6.59	ug/L		97
16) 1,2-Dichloropropane	8.736	63	27566	6.23	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	28565	4.98	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	29356	5.27	ug/L	#	72
21) Tetrachloroethene	10.017	166	29464	5.87	ug/L	#	91
22) 1,4-Dichlorobenzene	13.410	146	62259	6.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4216	5.60	ug/L	#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

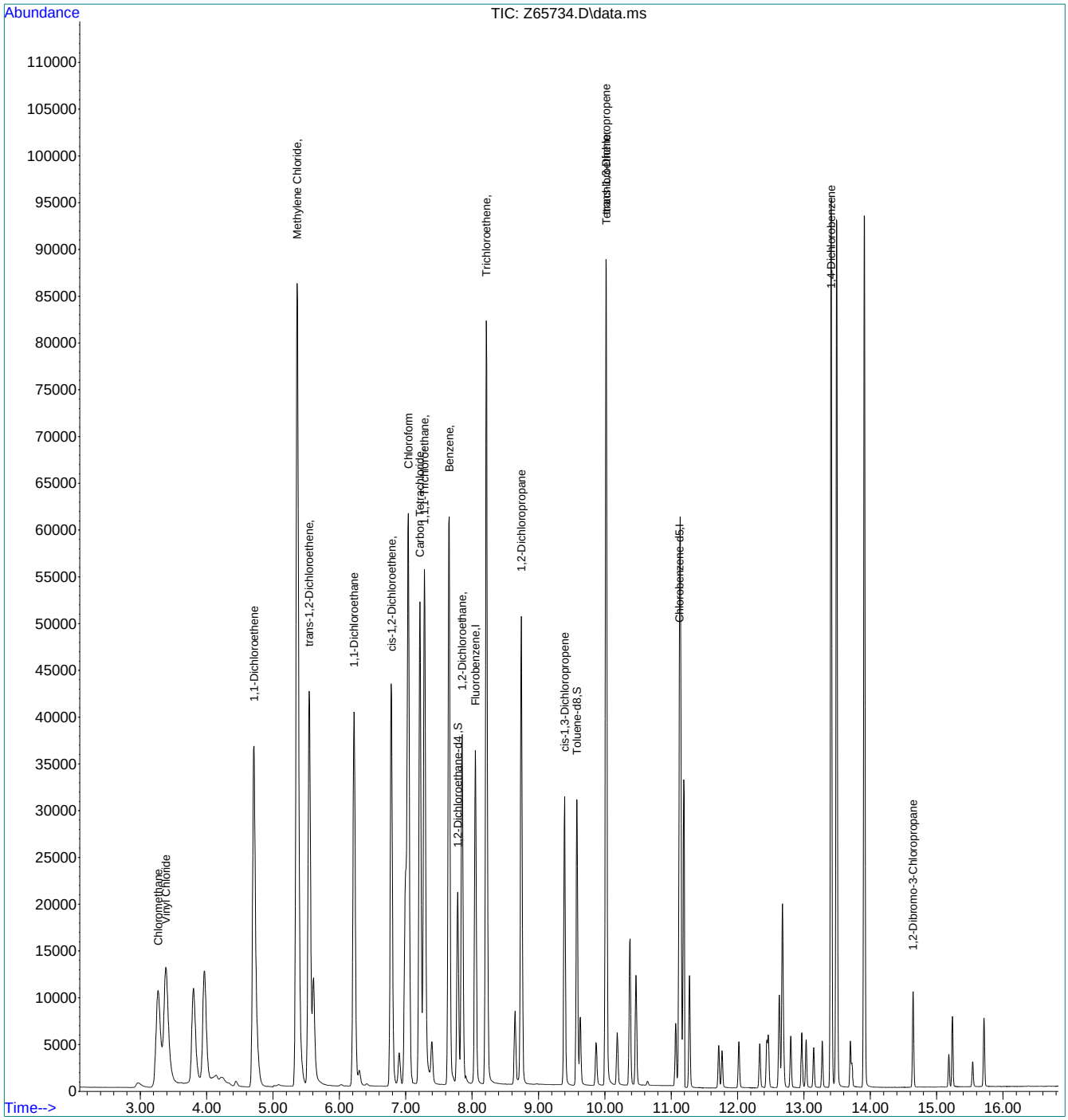
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	42339	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	34132	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19533	5.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.40%			
19) Toluene-d8	9.576	98	31522	4.48	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	39747	5.71	ug/L	96
3) Chloromethane	3.272	50	37040	5.59	ug/L	99
4) 1,1-Dichloroethene	4.713	61	47396	6.80	ug/L	96
5) Methylene Chloride	5.364	49	81965	12.65	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	41876	6.48	ug/L	79
7) 1,1-Dichloroethane	6.221	63	56081	6.68	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	27663	5.94	ug/L #	72
9) Chloroform	7.039	83	64502	6.15	ug/L	87
10) Carbon Tetrachloride	7.213	117	43372	6.68	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	51230	6.40	ug/L	89
12) Benzene	7.655	78	103166	6.09	ug/L	78
14) 1,2-Dichloroethane	7.851	62	38463	5.88	ug/L	85
15) Trichloroethene	8.214	95	29830	6.17	ug/L	94
16) 1,2-Dichloropropane	8.742	63	25144	5.71	ug/L	87
17) cis-1,3-Dichloropropene	9.394	75	25993	4.58	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	25956	5.14	ug/L #	73
21) Tetrachloroethene	10.022	166	25884	5.67	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	56985	6.23	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3926	5.74	ug/L #	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 08:42:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

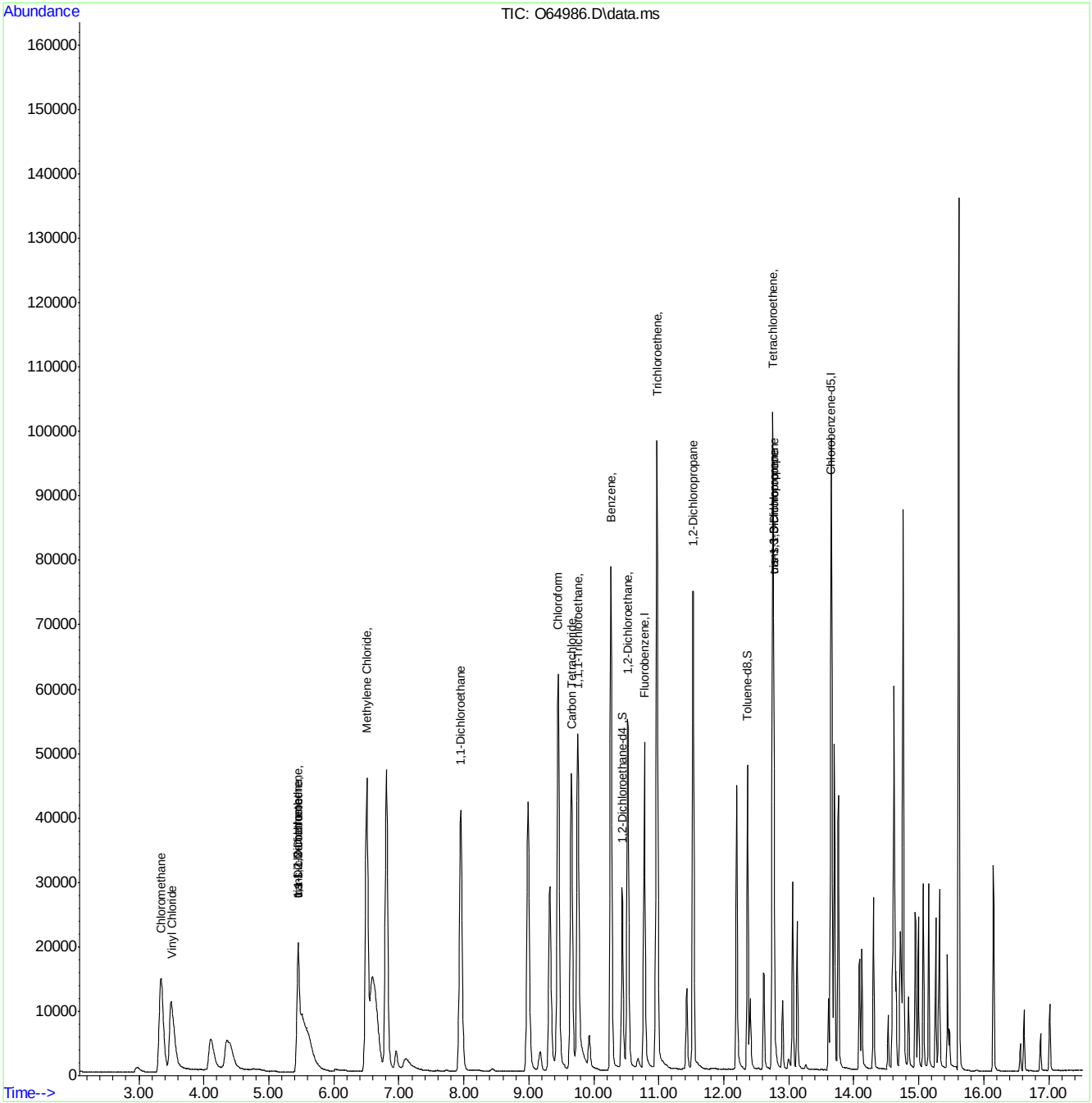
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58542	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	43028	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25618	5.14	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.80%			
19) Toluene-d8	12.367	98	41970	4.44	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 88.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	37153	5.19	ug/L	99
3) Chloromethane	3.339	50	47638	5.67	ug/L	98
4) 1,1-Dichloroethene	5.452	61	25250m	2.22	ug/L	
5) Methylene Chloride	6.506	49	48752m	0.56	ug/L	
6) trans-1,2-Dichloroethene	5.452	61	26177m	2.30	ug/L	
7) 1,1-Dichloroethane	7.951	63	71229	5.31	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	13792m	2.14	ug/L	
9) Chloroform	9.450	83	74474	5.47	ug/L	93
10) Carbon Tetrachloride	9.657	117	42995	4.84	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	54204	4.98	ug/L	98
12) Benzene	10.267	78	128930	5.05	ug/L	91
14) 1,2-Dichloroethane	10.519	62	58102	4.92	ug/L	92
15) Trichloroethene	10.974	95	41367	5.38	ug/L	94
16) 1,2-Dichloropropane	11.531	63	37132	5.20	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	38795	4.89	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	38795	4.52	ug/L	87
21) Tetrachloroethene	12.752	166	33789	5.08	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 08:42:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

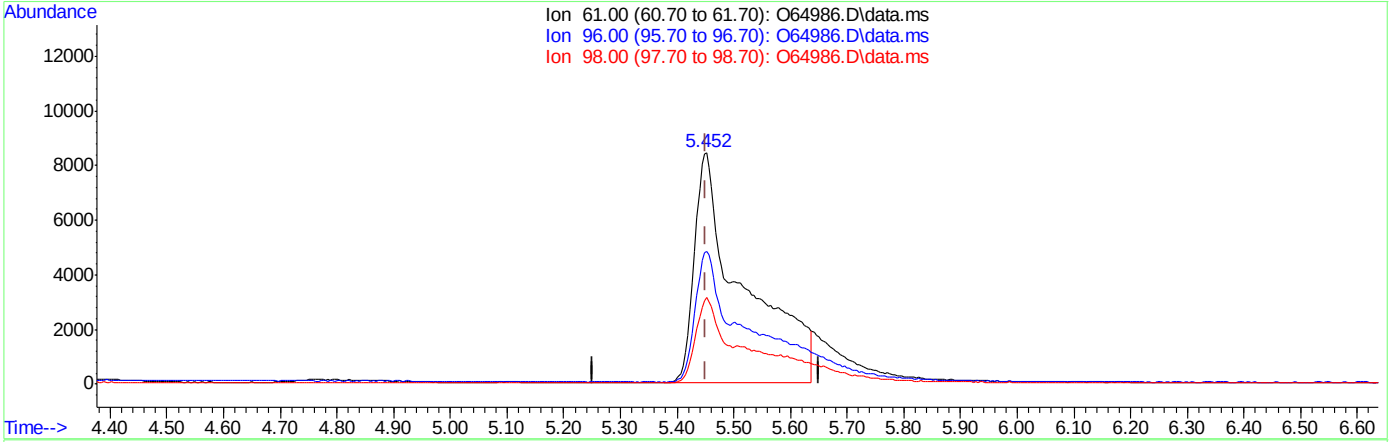
Sample Number: FA88610-1MS
Lab FileID: O64986.D
Injection Time: 09/04/21 18:39
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

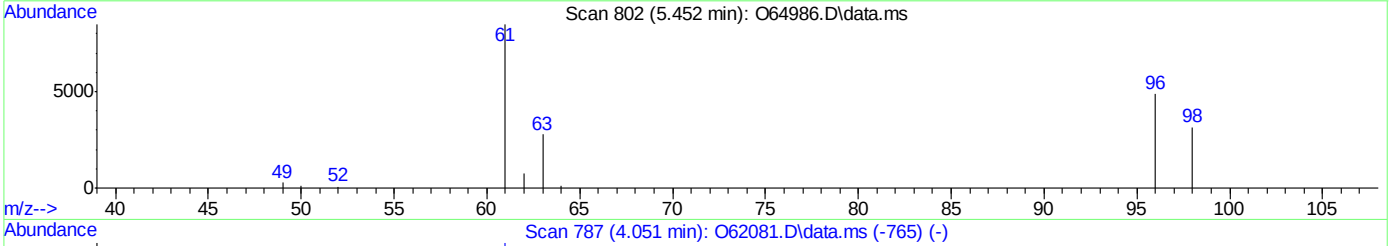
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak
Methylene Chloride	75-09-2		6.51	Overlapping peak

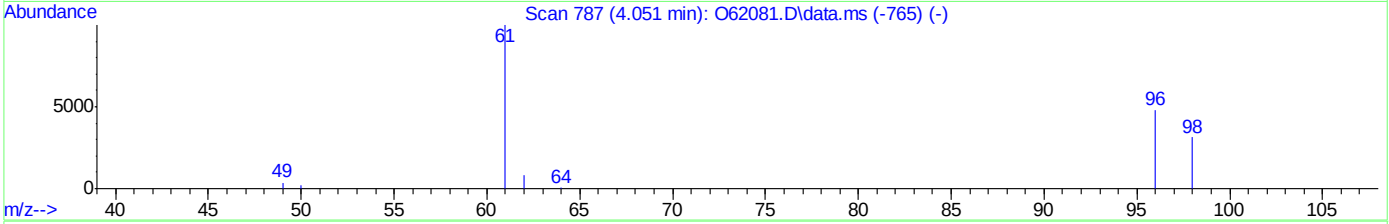
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 4.42ug/L

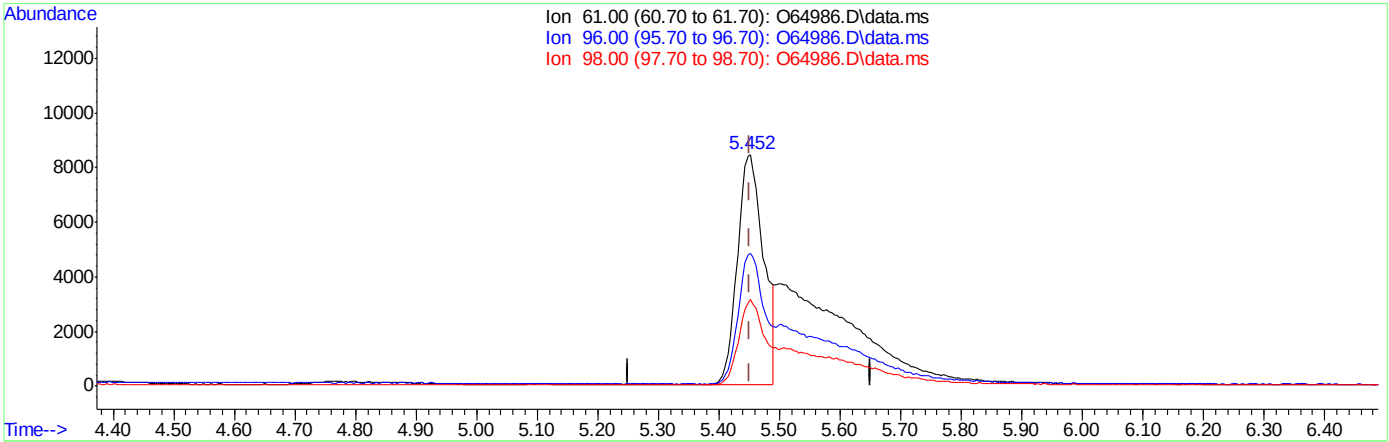
response 50421

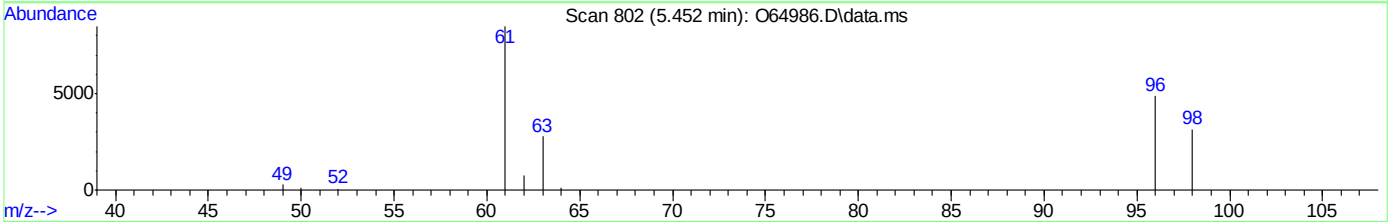
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.88
98.00	40.70	36.94
0.00	0.00	0.00

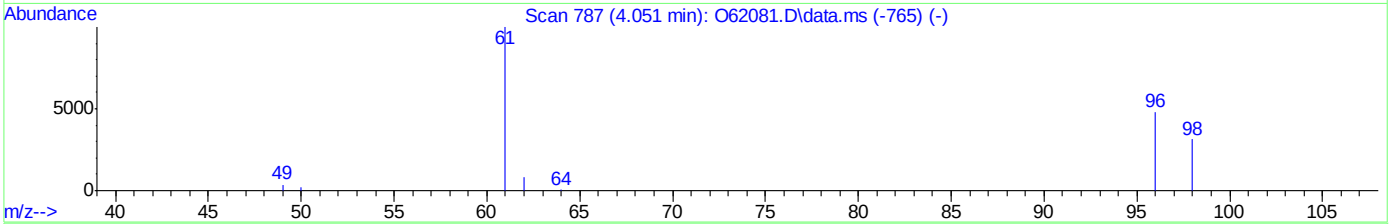
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 2.22ug/L m

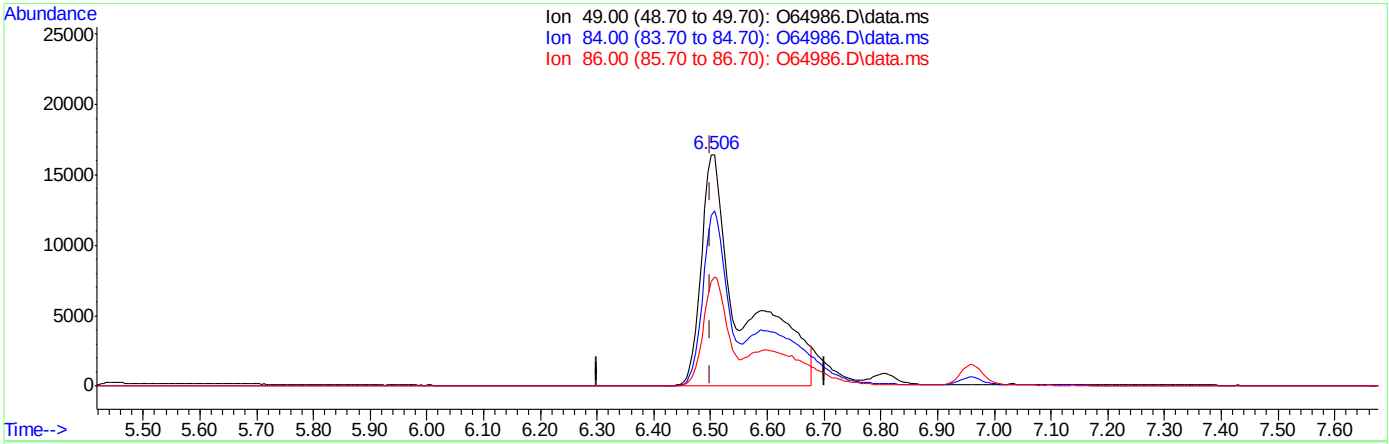
response 25250

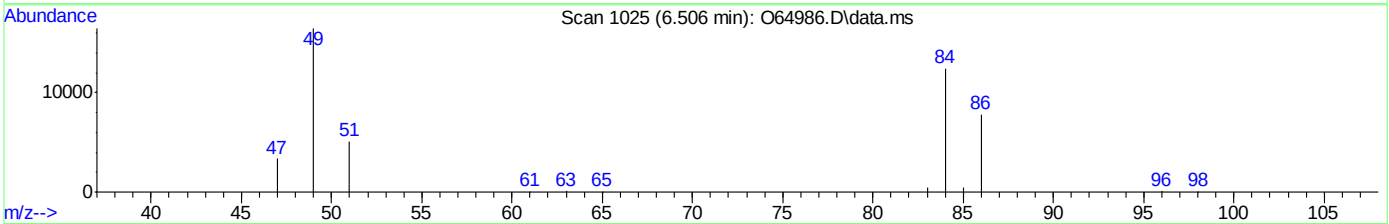
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.47
98.00	40.70	37.34
0.00	0.00	0.00

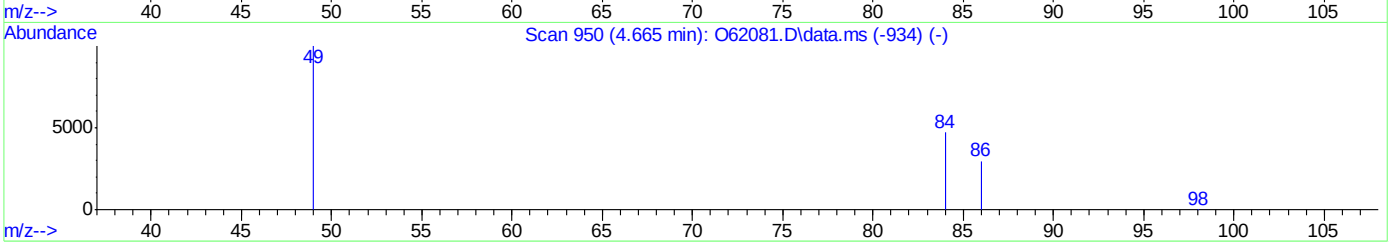
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(5) Methylene Chloride ( )

6.506min (+0.005) 0.95ug/L

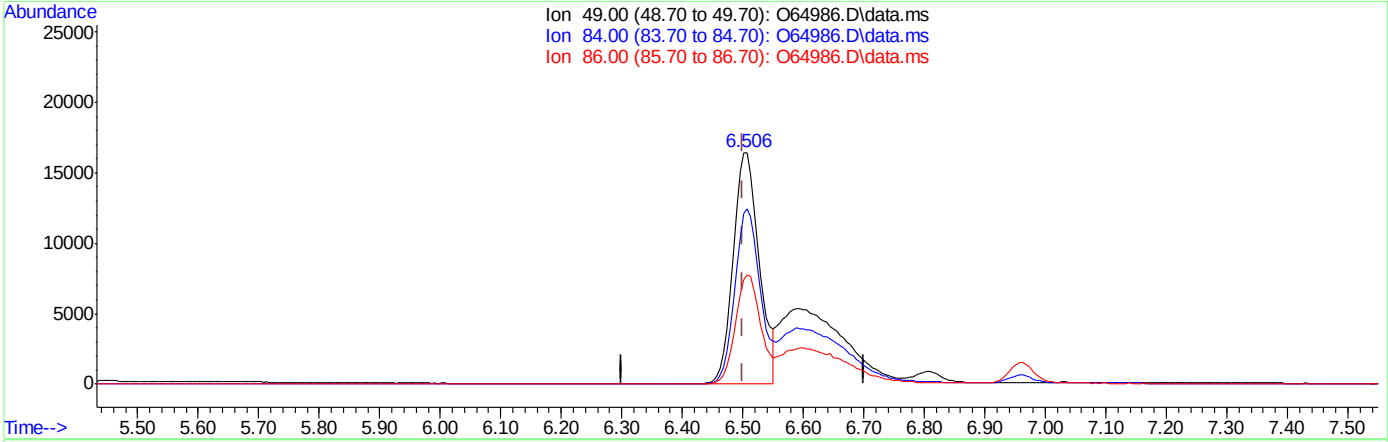
response 82051

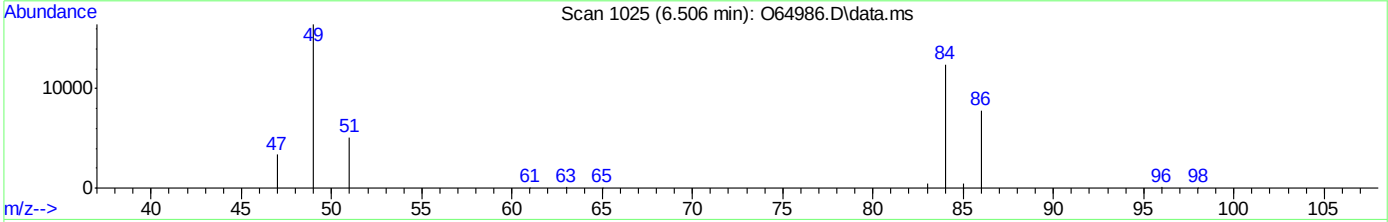
Ion	Exp%	Act%
49.00	100	100
84.00	65.50	75.47
86.00	42.80	47.20
0.00	0.00	0.00

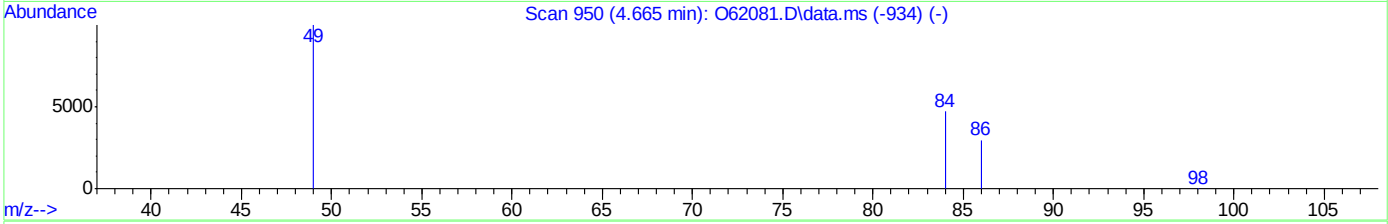
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(5) Methylene Chloride ( )

6.506min (+0.005) 0.56ug/L m

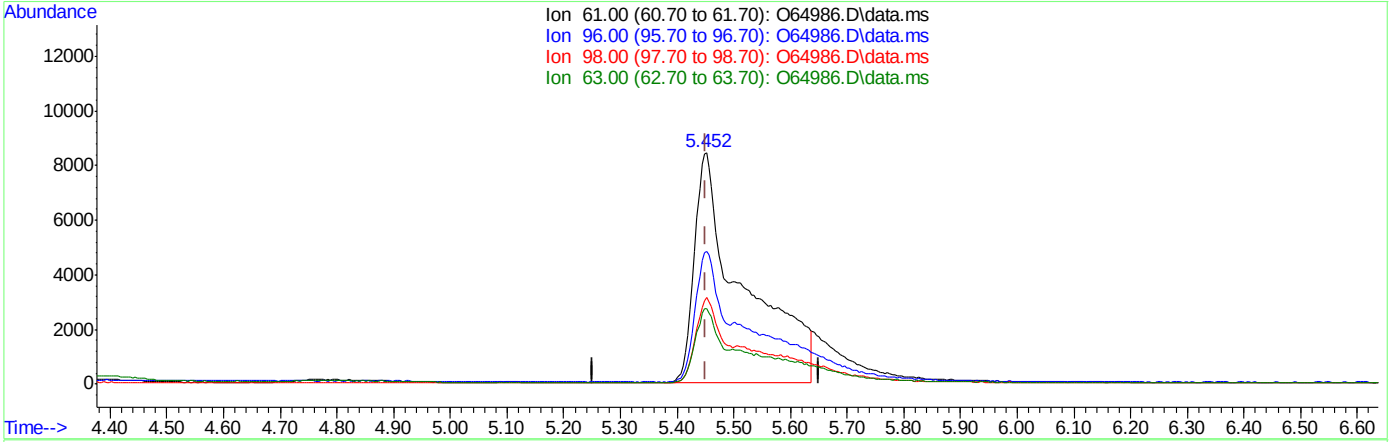
response 48752

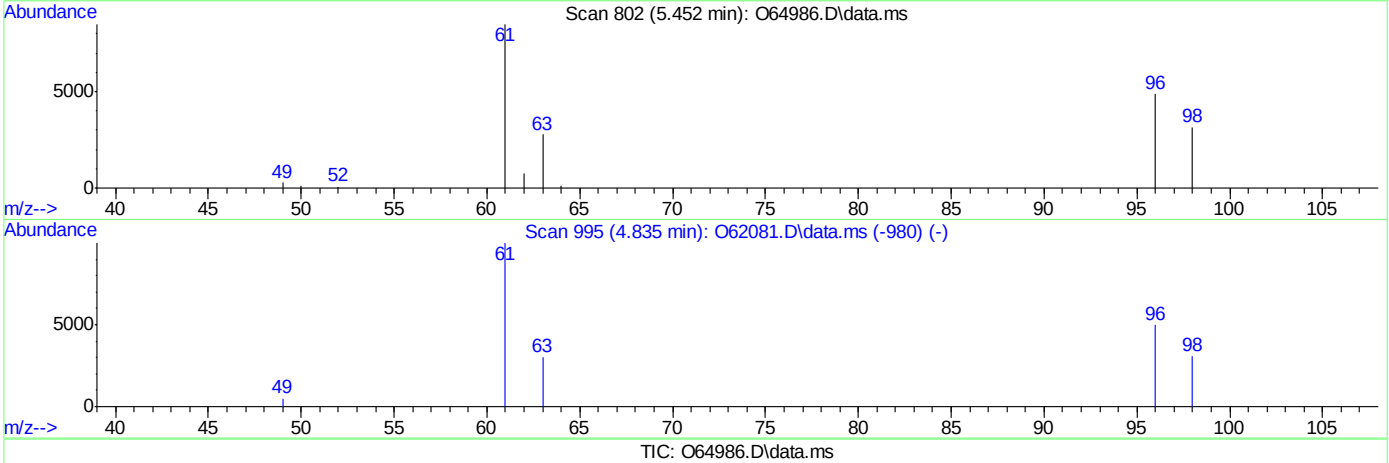
Ion	Exp%	Act%
49.00	100	100
84.00	65.50	75.55
86.00	42.80	47.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O64986.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 4.42ug/L

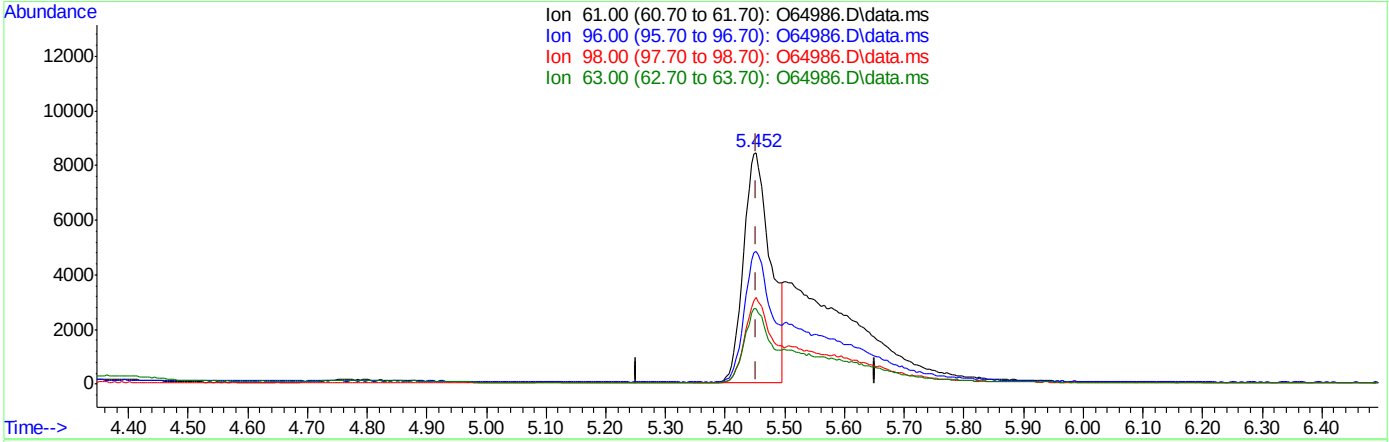
response 50421

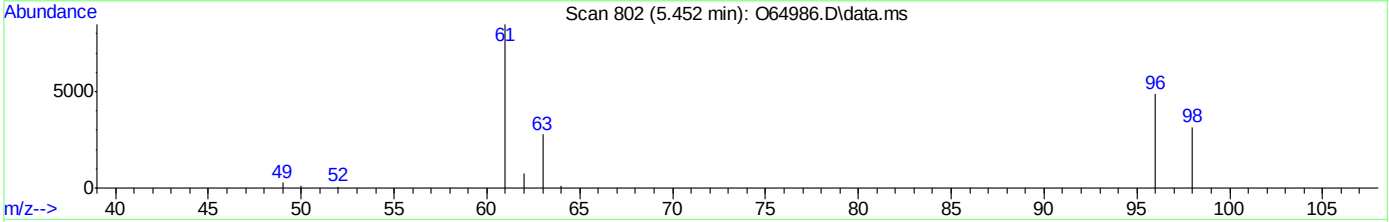
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.88
98.00	47.20	36.94
63.00	32.80	32.06

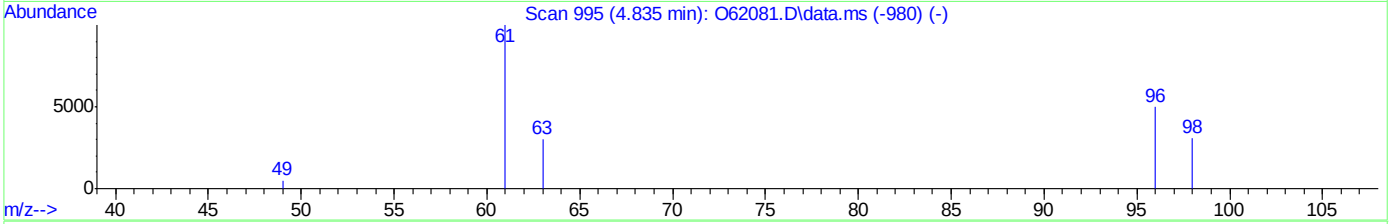
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 2.30ug/L m

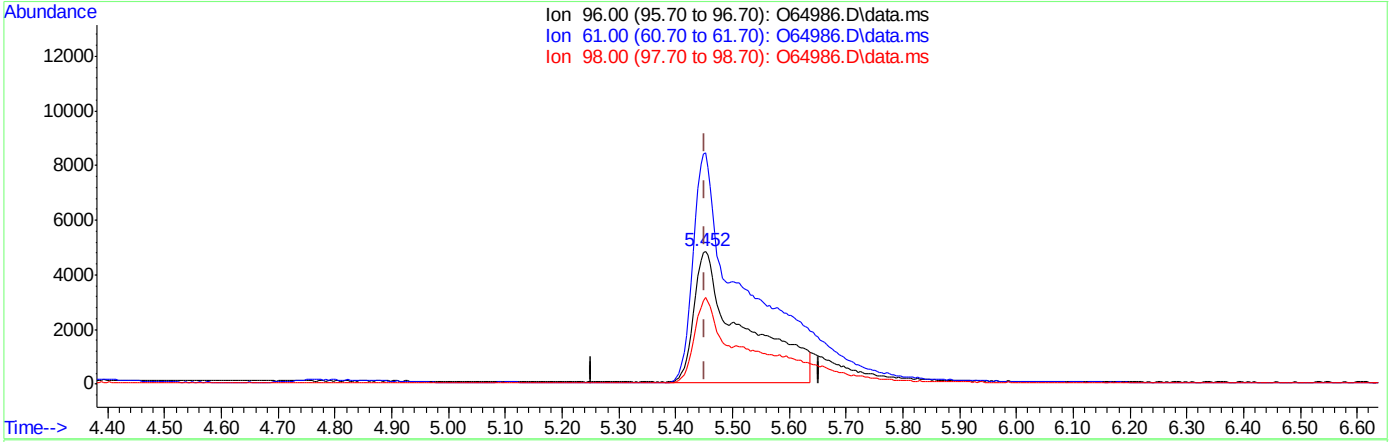
response 26177

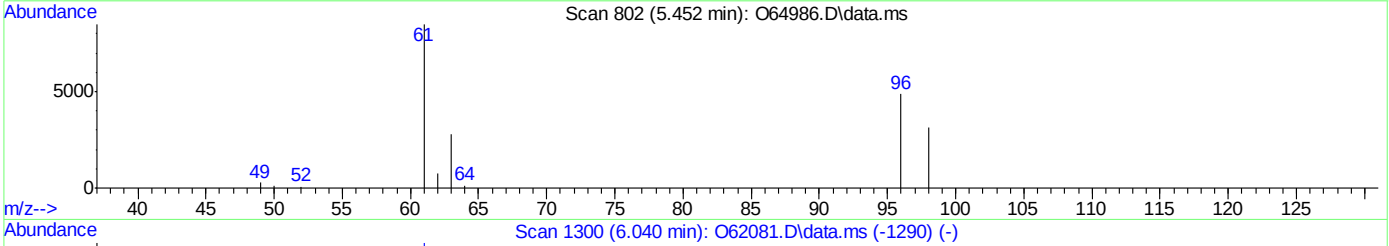
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.47
98.00	47.20	37.34
63.00	32.80	32.57

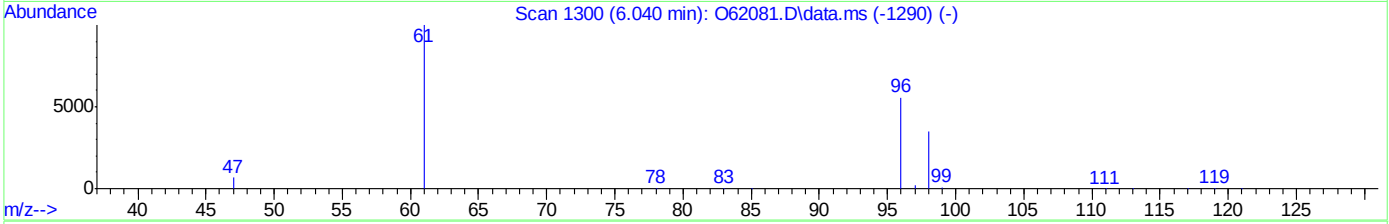
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 4.47ug/L

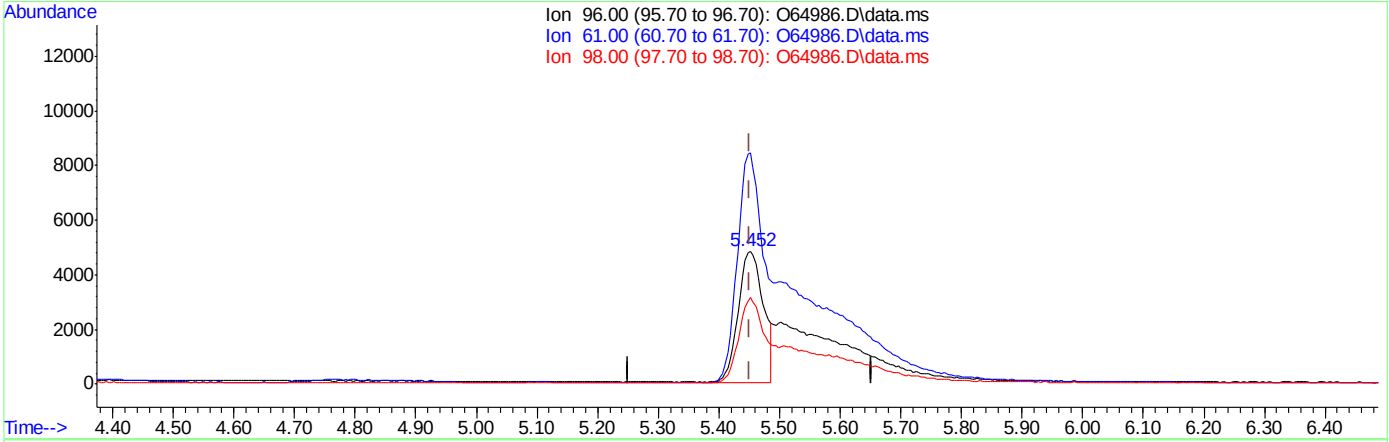
response 28857

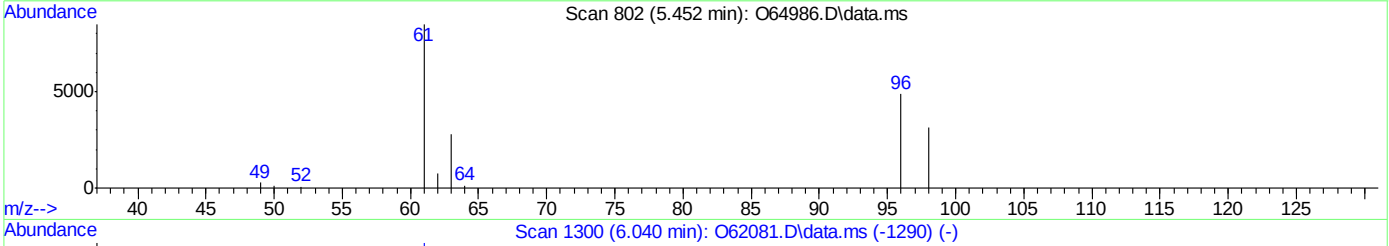
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	175.59#
98.00	62.80	64.92
0.00	0.00	0.00

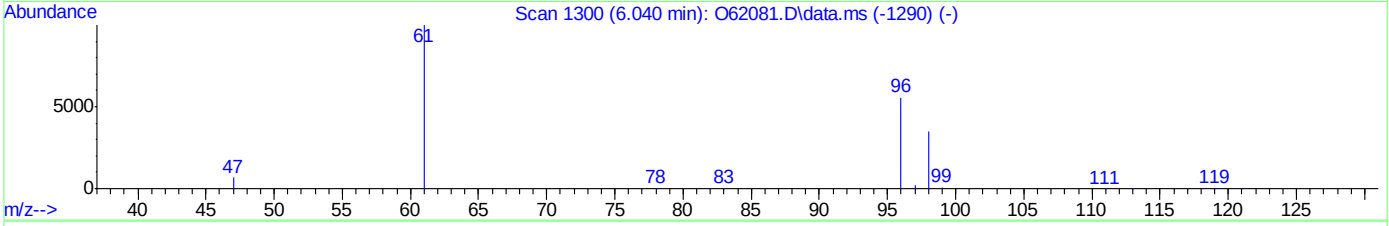
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64986.D
Acq On : 4 Sep 2021 6:39 pm
Operator : CHARLENG
Sample : FA88610-1MS Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 07 07:52:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64986.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 2.14ug/L m

response 13792

Ion	Exp%	Act%
96.00	100	100
61.00	225.00	174.00#
98.00	62.80	64.98
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 08:42:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

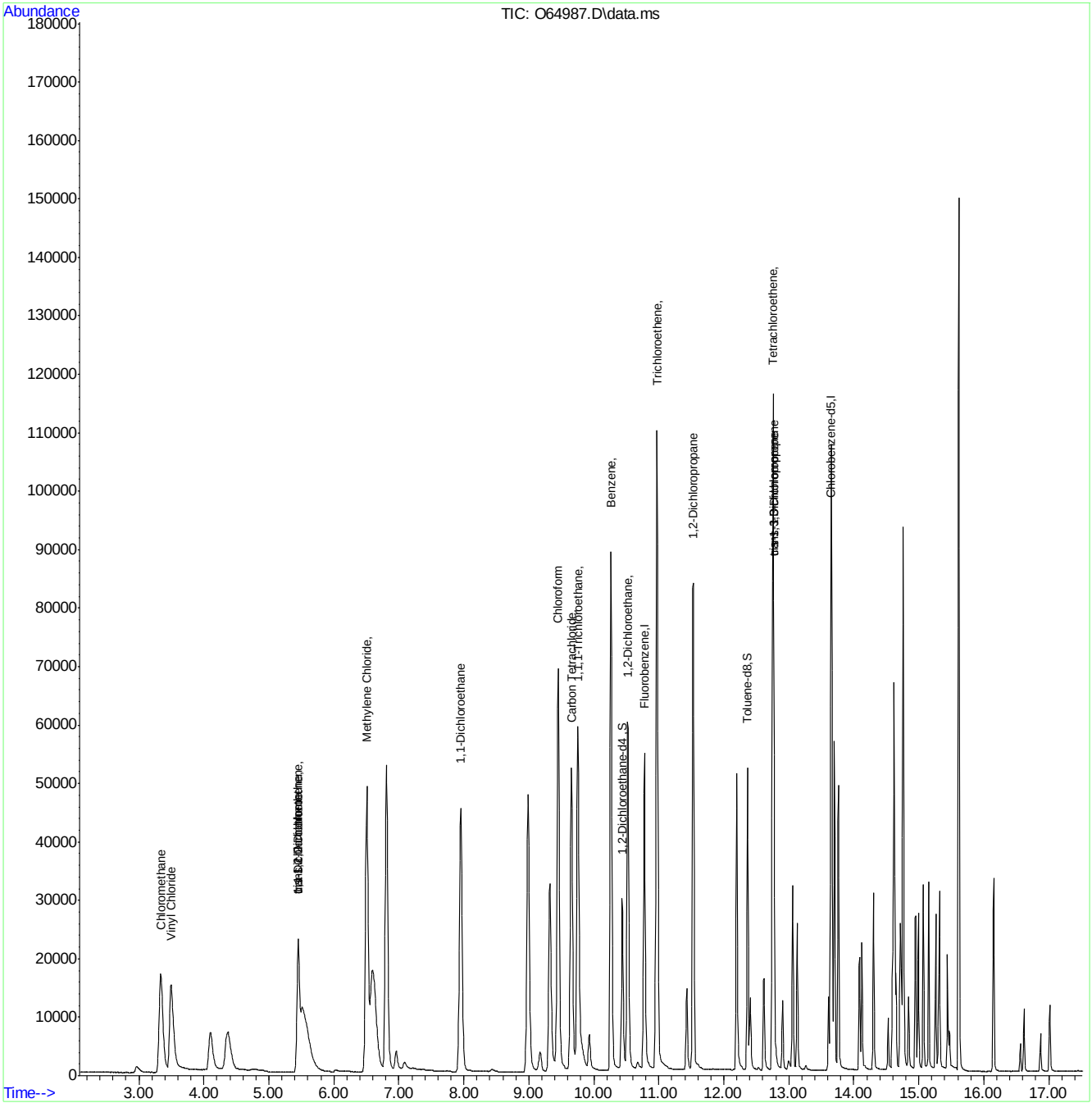
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	61257	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	45267	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26460	5.07	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.40%			
19) Toluene-d8	12.367	98	44707	4.50	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	41925	5.60	ug/L	99
3) Chloromethane	3.335	50	49395	5.62	ug/L	97
4) 1,1-Dichloroethene	5.452	61	27594m	2.31	ug/L	
5) Methylene Chloride	6.506	49	52690	0.58	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	27593m	2.31	ug/L	
7) 1,1-Dichloroethane	7.951	63	78869	5.62	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	15580m	2.31	ug/L	
9) Chloroform	9.450	83	81796	5.75	ug/L	93
10) Carbon Tetrachloride	9.657	117	47749	5.14	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	60826	5.34	ug/L	98
12) Benzene	10.267	78	143023	5.36	ug/L	91
14) 1,2-Dichloroethane	10.518	62	63433	5.13	ug/L	91
15) Trichloroethene	10.974	95	45755	5.69	ug/L	94
16) 1,2-Dichloropropane	11.531	63	40779	5.45	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	43710	5.26	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	43710	4.84	ug/L	87
21) Tetrachloroethene	12.752	166	37390	5.35	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 08:42:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

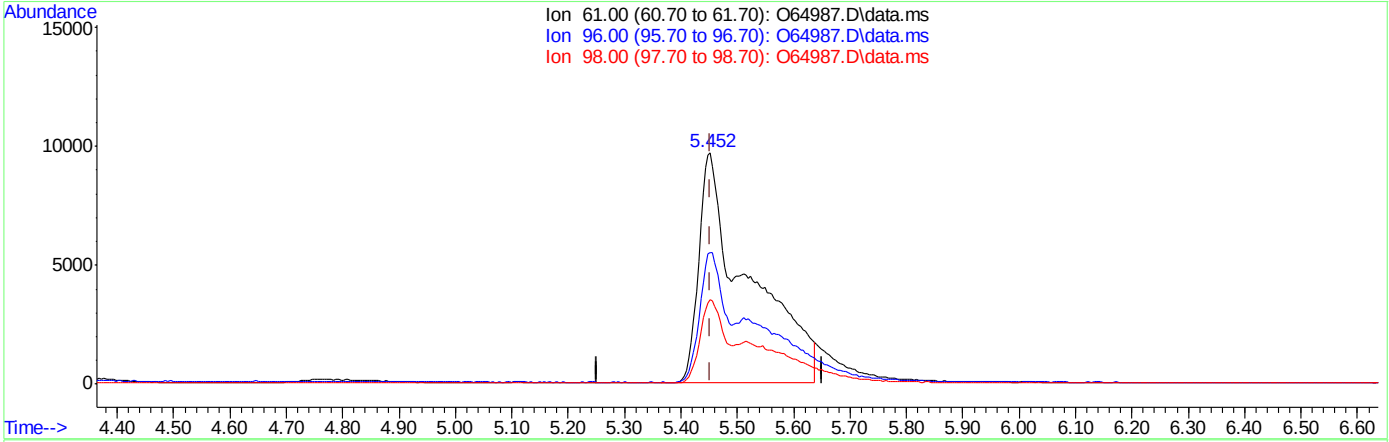
Sample Number: FA88610-1MSD
Lab FileID: O64987.D
Injection Time: 09/04/21 19:03
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

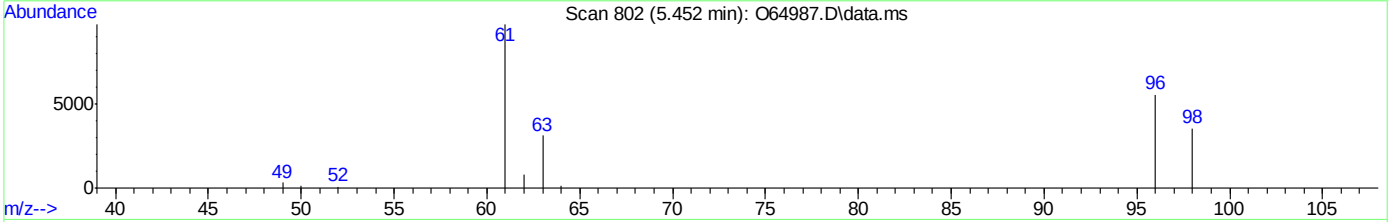
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak

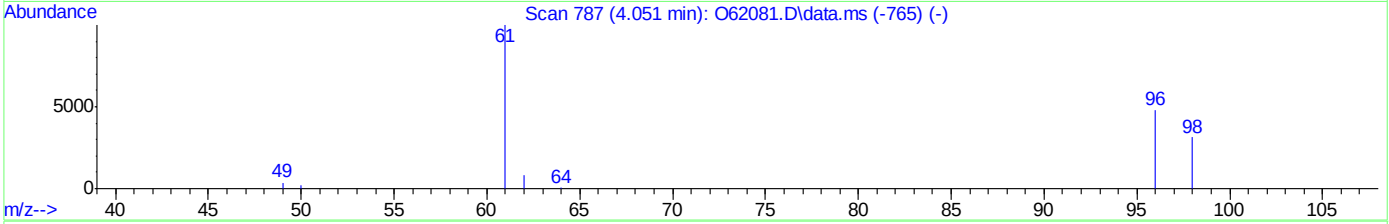
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 4.94ug/L

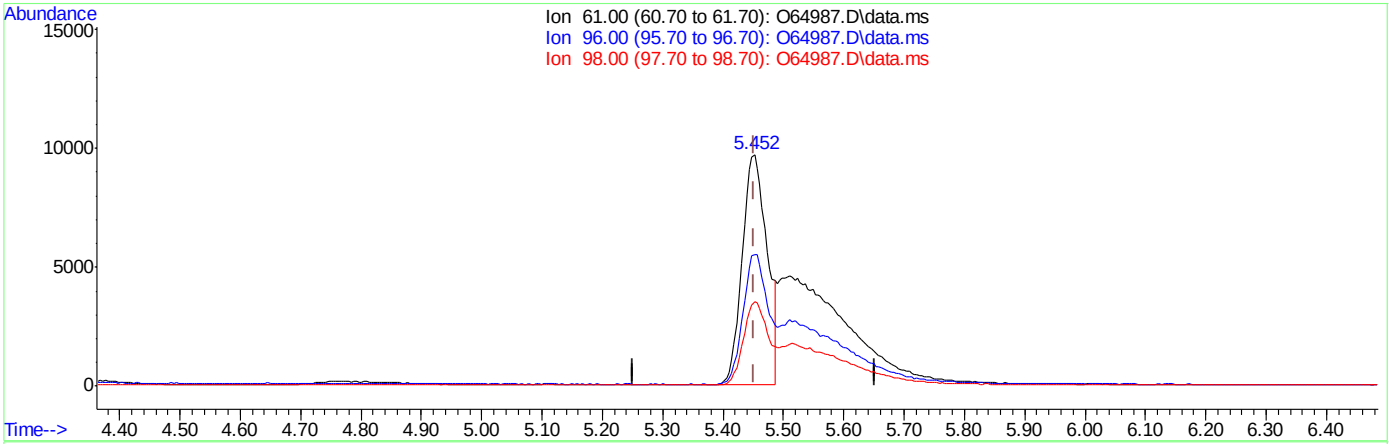
response 58857

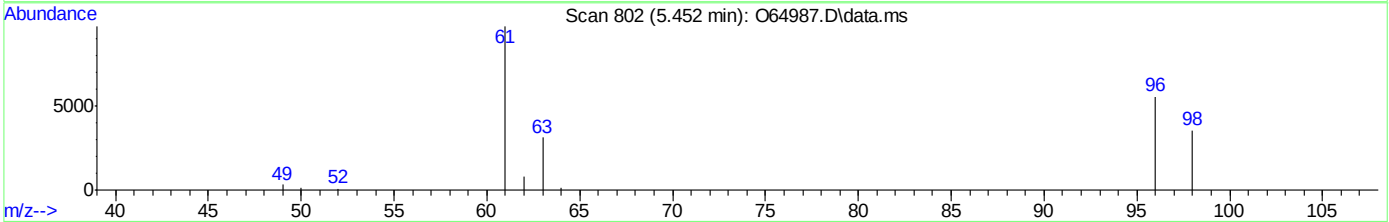
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.39
98.00	40.70	36.05
0.00	0.00	0.00

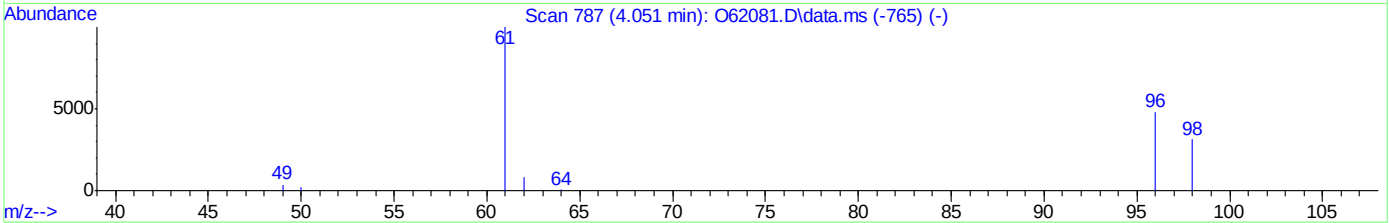
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 2.31ug/L m

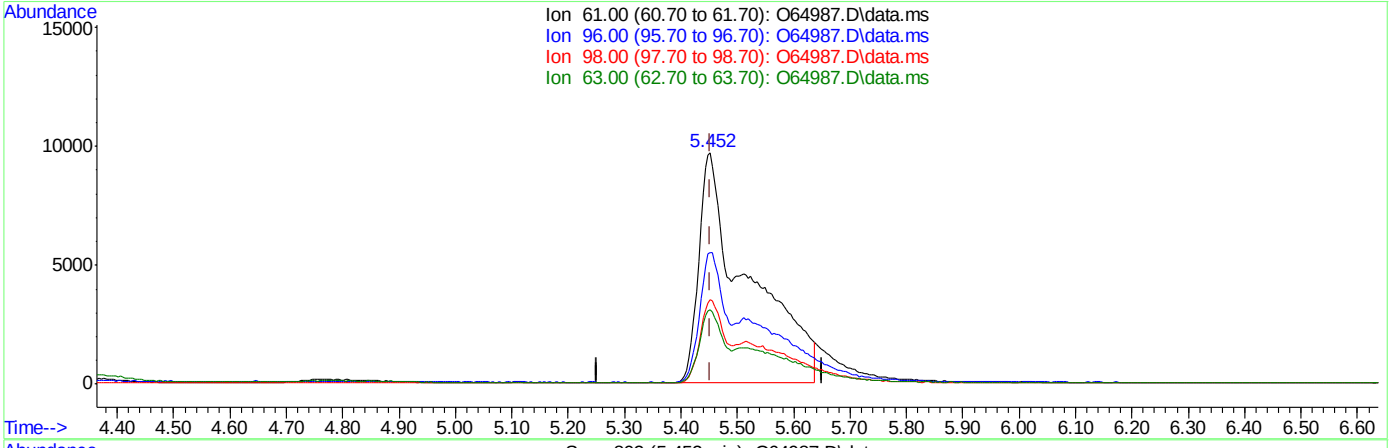
response 27594

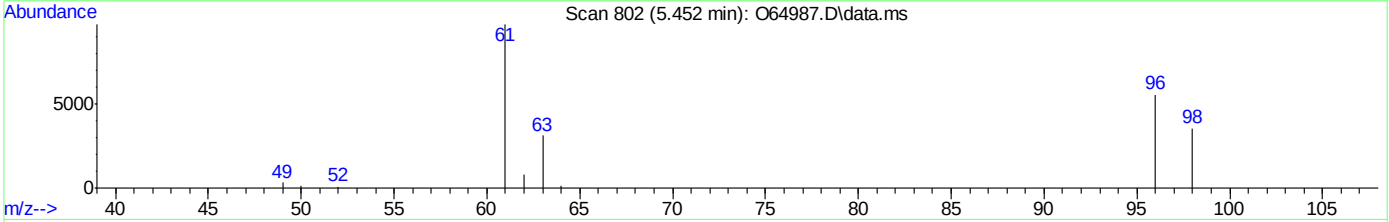
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	56.97
98.00	40.70	36.41
0.00	0.00	0.00

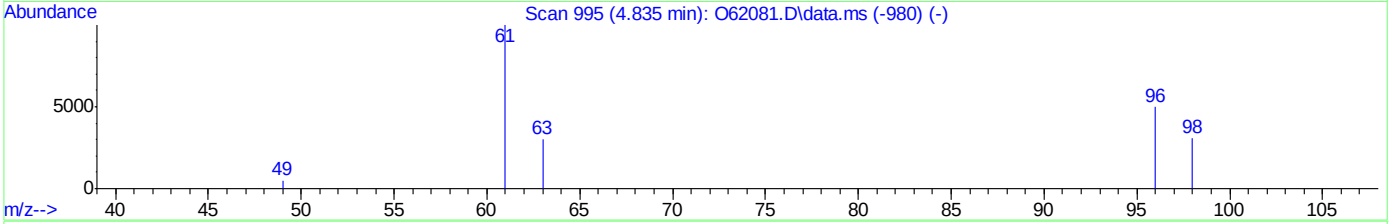
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 4.94ug/L

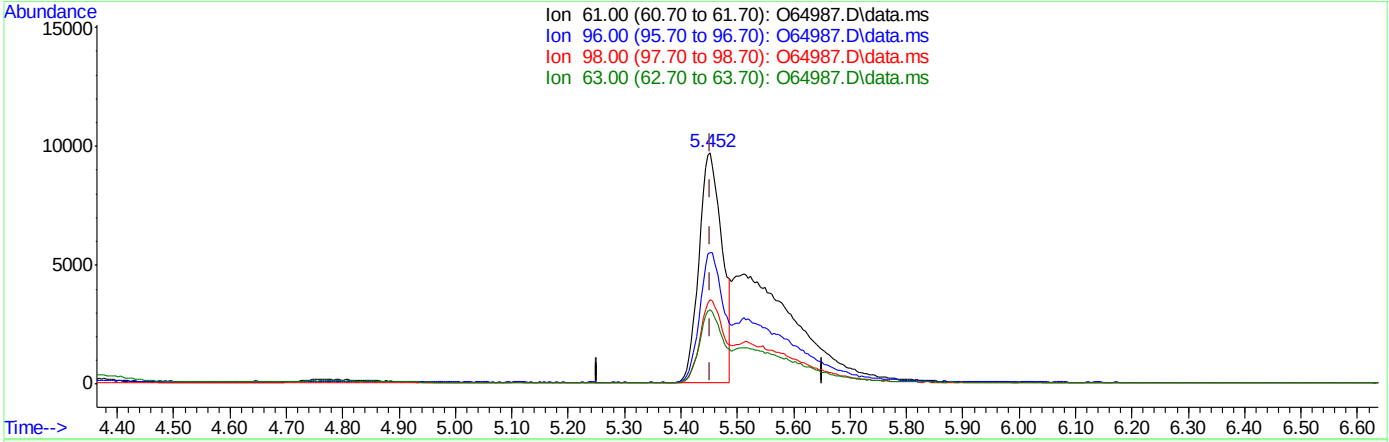
response 58857

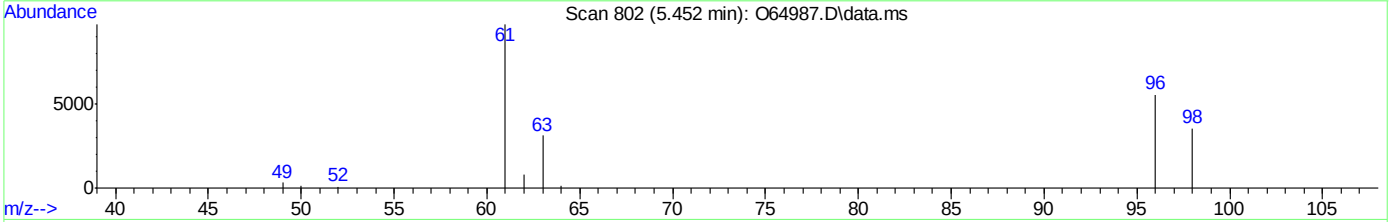
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.39
98.00	47.20	36.05
63.00	32.80	31.61

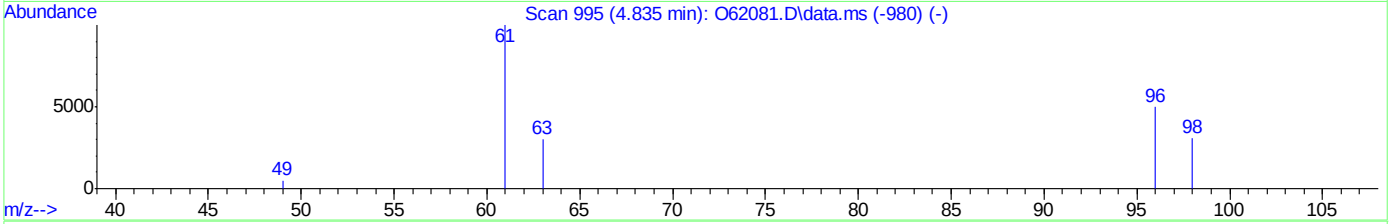
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 2.31ug/L m

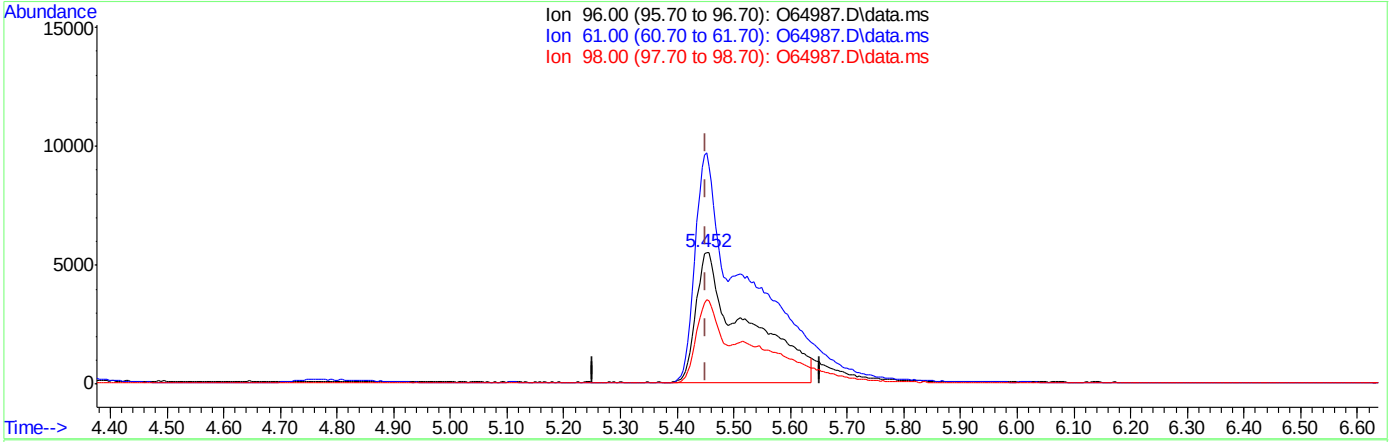
response 27593

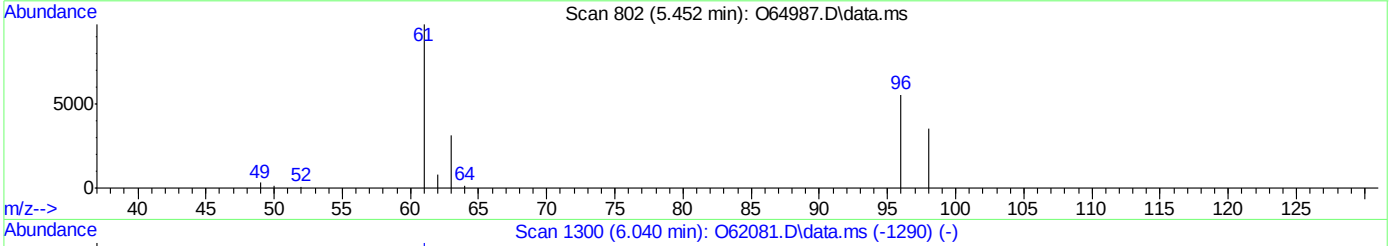
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	56.97
98.00	47.20	36.41
63.00	32.80	32.11

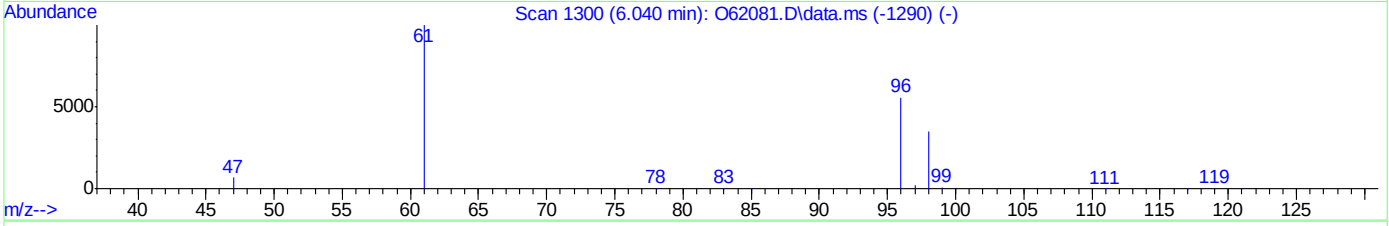
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 4.98ug/L

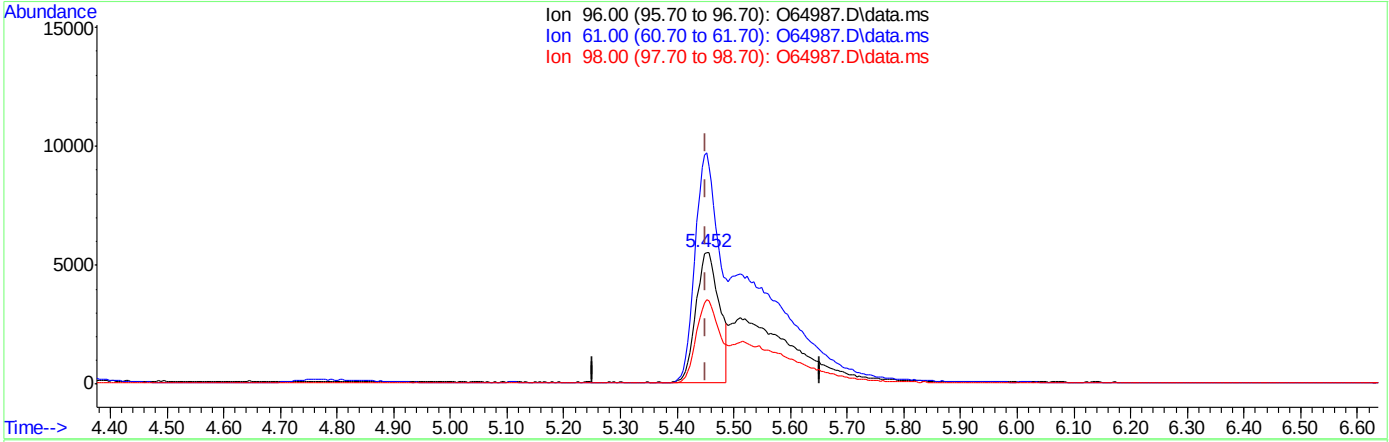
response 33628

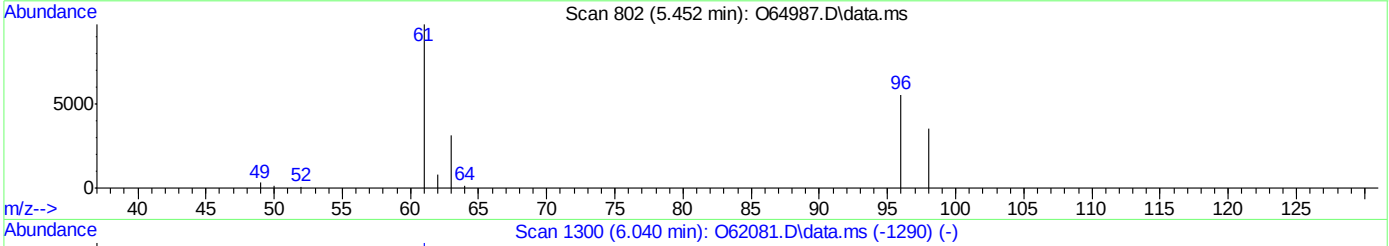
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	176.92#
98.00	62.80	63.84
0.00	0.00	0.00

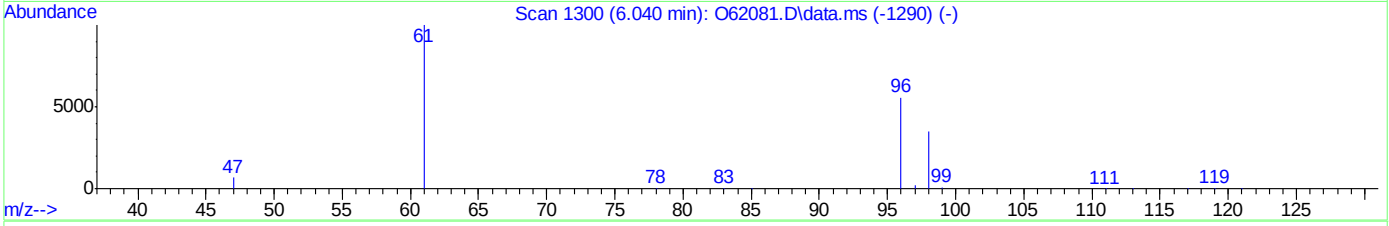
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64987.D
Acq On : 4 Sep 2021 7:03 pm
Operator : CHARLENG
Sample : FA88610-1MSD Inst : MSVOA12
Misc : MS49714,VO2547,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 07 07:52:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64987.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 2.31ug/L m

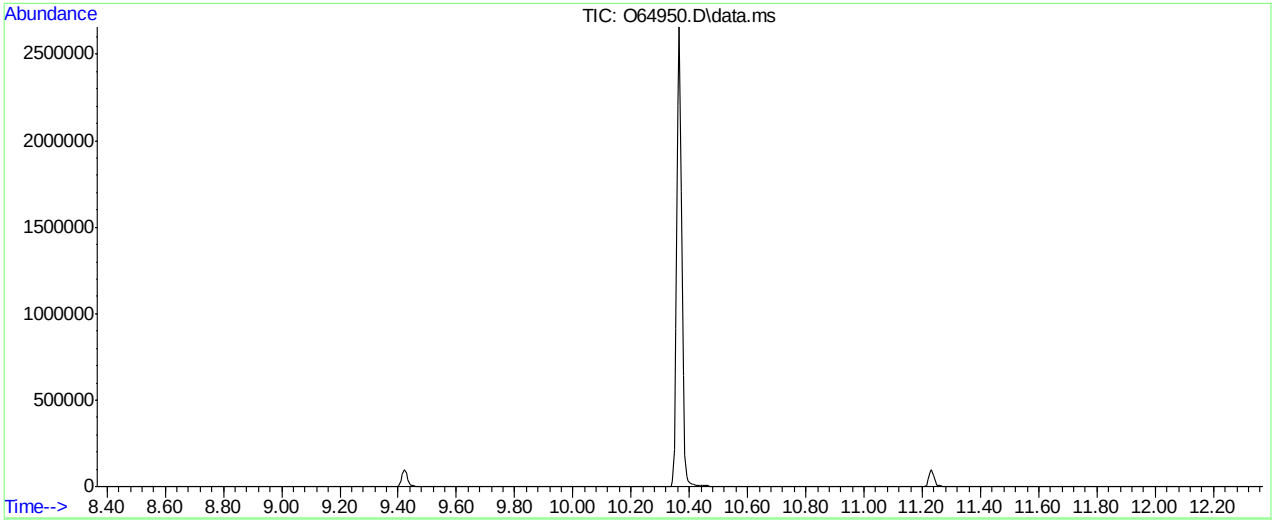
response 15580

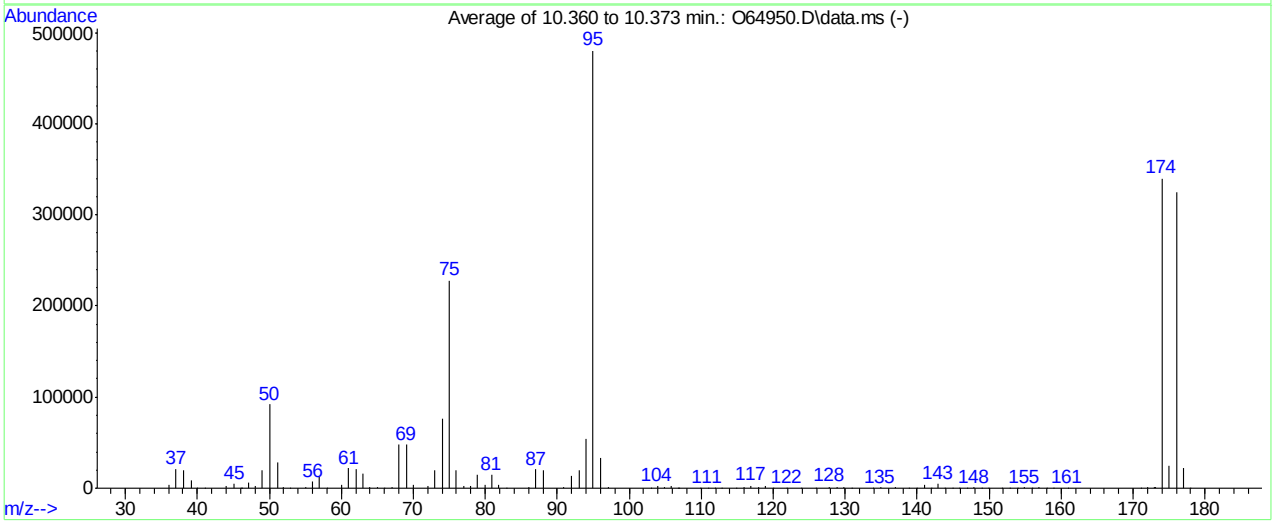
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	175.52#
98.00	62.80	63.90
0.00	0.00	0.00

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-03\O64950.D Vial: 2
Acq On : 3 Sep 2021 4:42 pm Operator: CHARLENG
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2546,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

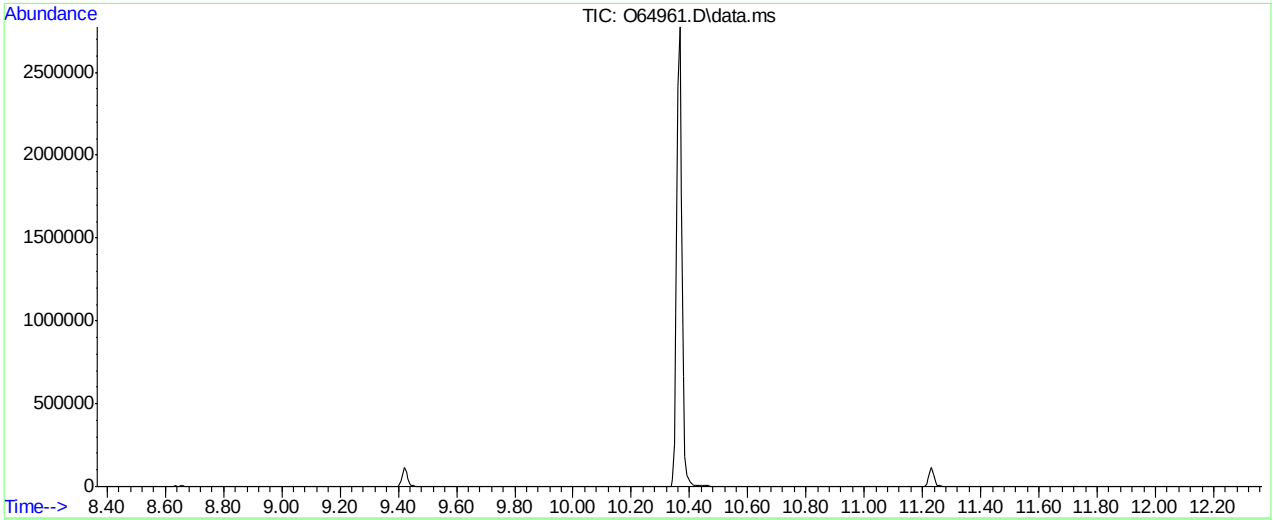
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	91965	PASS
75	95	30	60	47.4	227925	PASS
95	95	100	100	100.0	480384	PASS
96	95	5	9	6.8	32669	PASS
173	174	0.00	2	0.5	1868	PASS
174	95	50	100	70.7	339733	PASS
175	174	5	9	7.3	24797	PASS
176	174	95	101	95.5	324608	PASS
177	176	5	9	6.7	21893	PASS

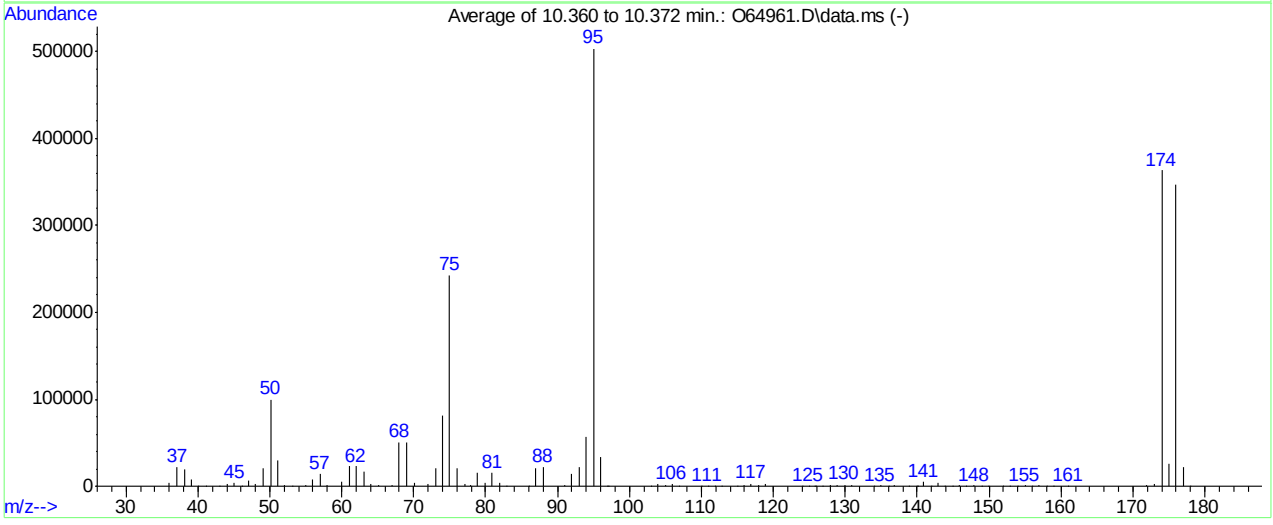
O64950.D SIMCL-09-03-2021.M Sat Sep 04 08:07:43 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-04\O64961.D Vial: 2
Acq On : 4 Sep 2021 9:00 am Operator: CHARLENG
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2547,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-03-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

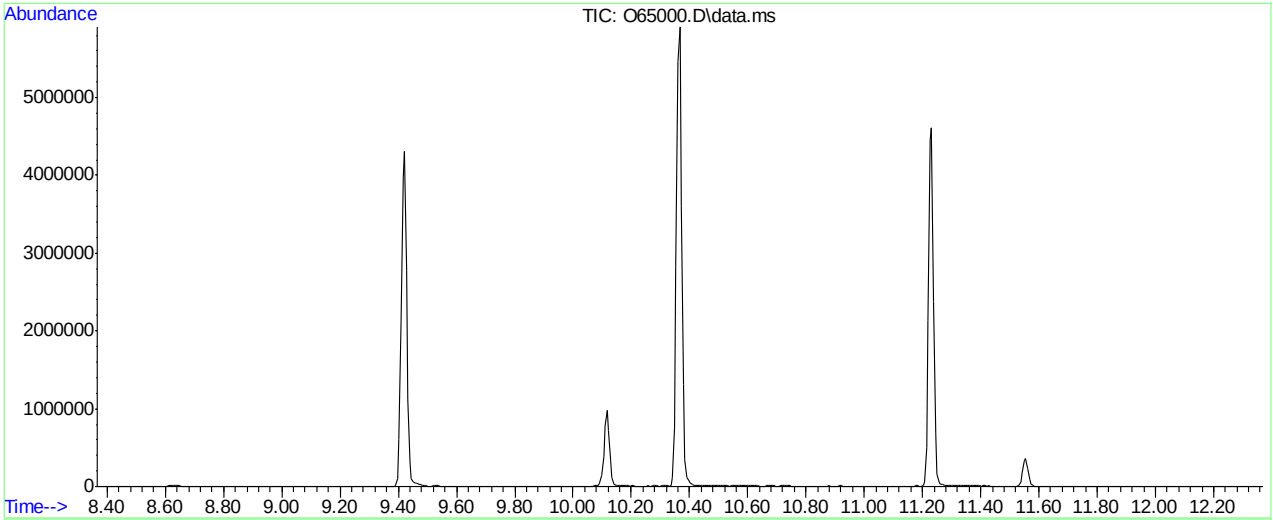
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	99328	PASS
75	95	30	60	48.2	242560	PASS
95	95	100	100	100.0	503701	PASS
96	95	5	9	6.7	33600	PASS
173	174	0.00	2	0.9	3186	PASS
174	95	50	100	72.2	363755	PASS
175	174	5	9	7.2	26192	PASS
176	174	95	101	95.4	347008	PASS
177	176	5	9	6.3	21995	PASS

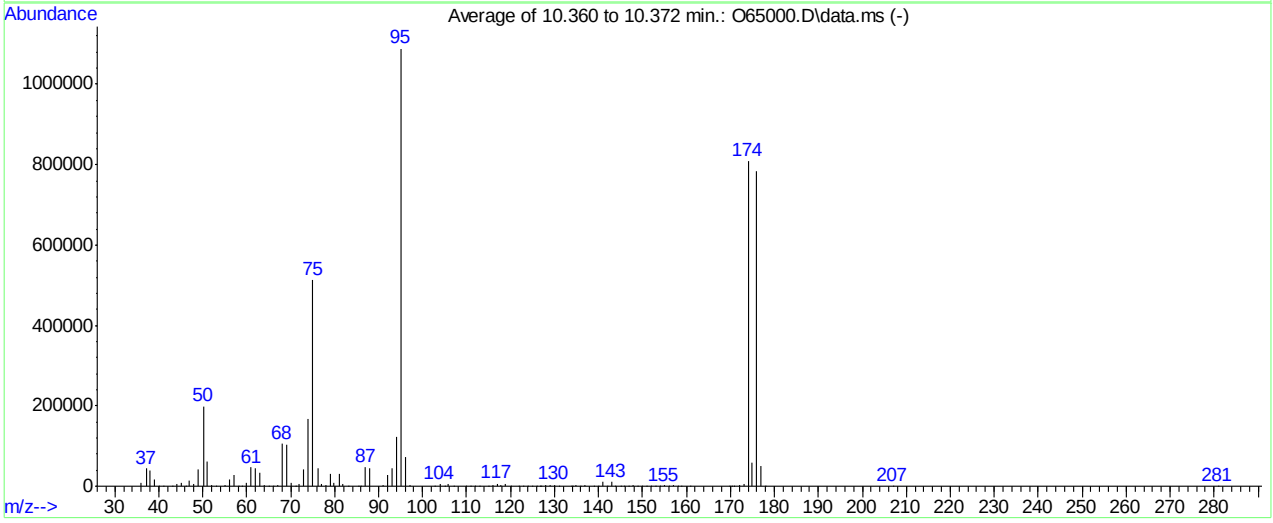
O64961.D SIMCL-09-03-2021.M Sat Sep 04 09:26:07 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-07\O65000.D Vial: 1
Acq On : 7 Sep 2021 8:33 am Operator: CHARLENG
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2549,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 693

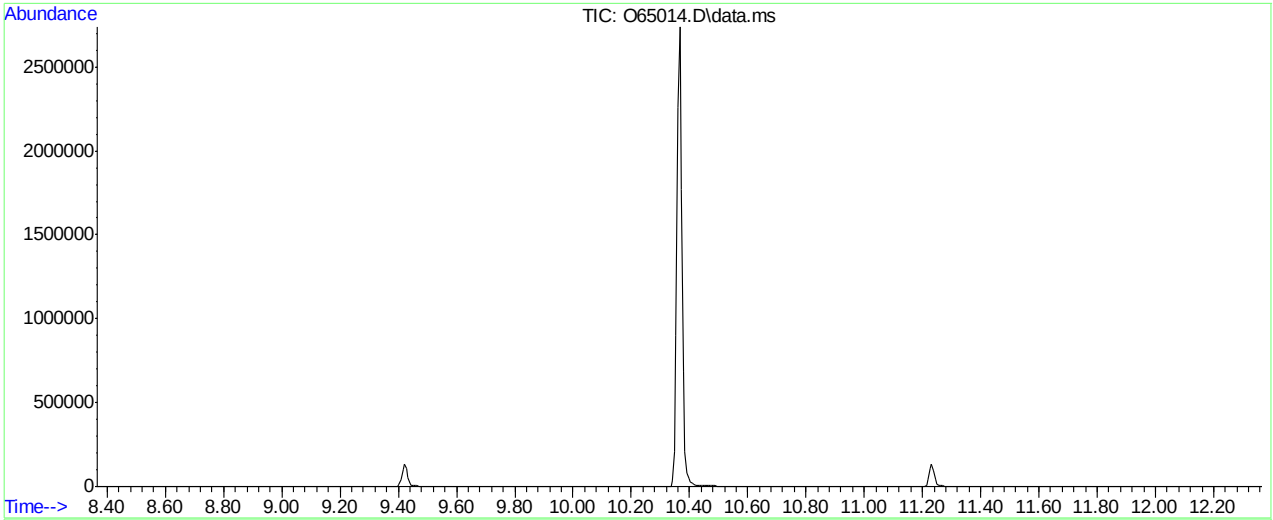
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	198461	PASS
75	95	30	60	47.1	512533	PASS
95	95	100	100	100.0	1089067	PASS
96	95	5	9	6.7	73045	PASS
173	174	0.00	2	0.8	6817	PASS
174	95	50	100	74.3	809365	PASS
175	174	5	9	7.3	58880	PASS
176	174	95	101	96.8	783637	PASS
177	176	5	9	6.5	50971	PASS

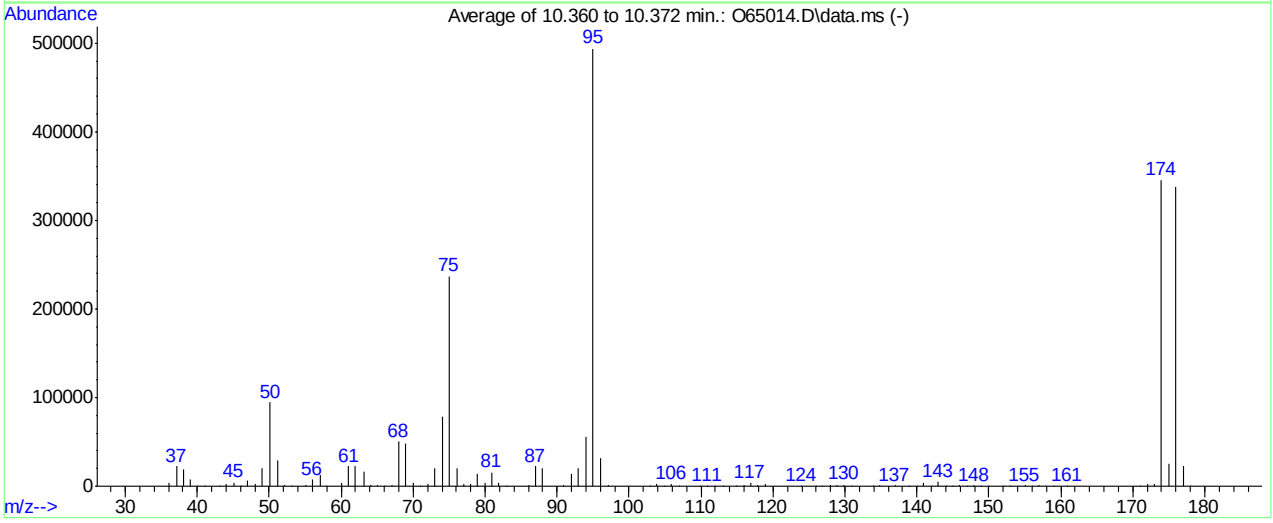
O65000.D SIMCL-09-07-2021.M Tue Sep 07 13:59:47 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-07\O65014.D Vial: 15
Acq On : 7 Sep 2021 3:08 pm Operator: CHARLENG
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2550,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

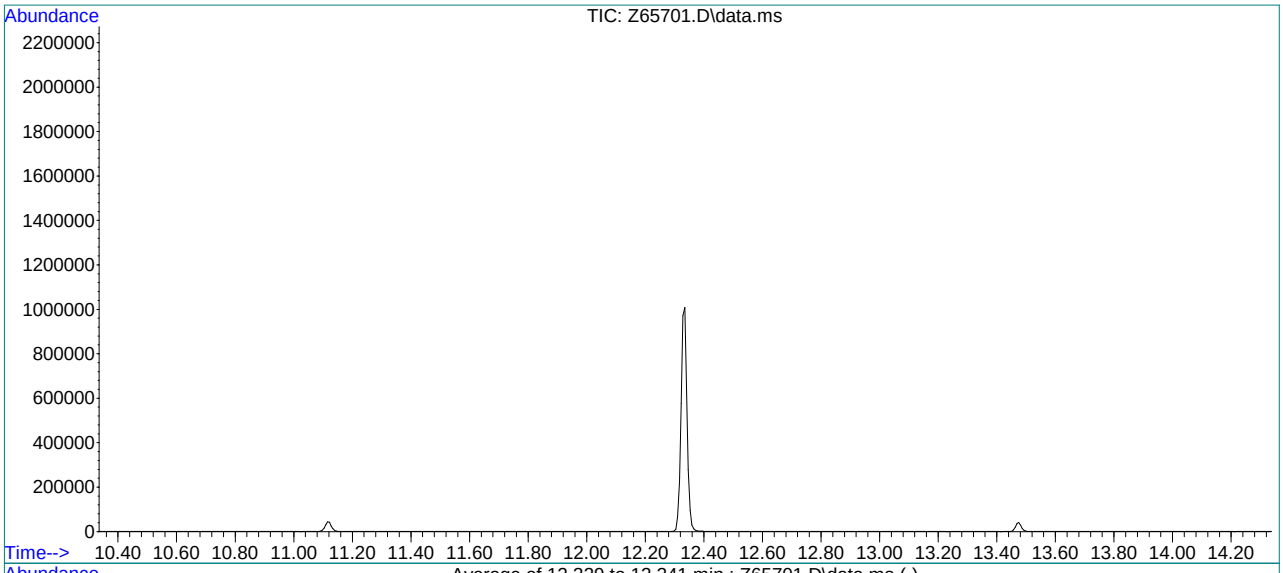
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	94475	PASS
75	95	30	60	48.0	237035	PASS
95	95	100	100	100.0	494037	PASS
96	95	5	9	6.4	31720	PASS
173	174	0.00	2	0.9	3035	PASS
174	95	50	100	70.0	346027	PASS
175	174	5	9	7.2	24973	PASS
176	174	95	101	97.8	338325	PASS
177	176	5	9	6.6	22379	PASS

O65014.D SIMCL-09-07-2021.M Tue Sep 07 15:24:56 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-02\Z65701.D Vial: 2
Acq On : 2 Sep 2021 12:35 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-08-04-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1844, 1845, 1846; Background Corrected with Scan 1836

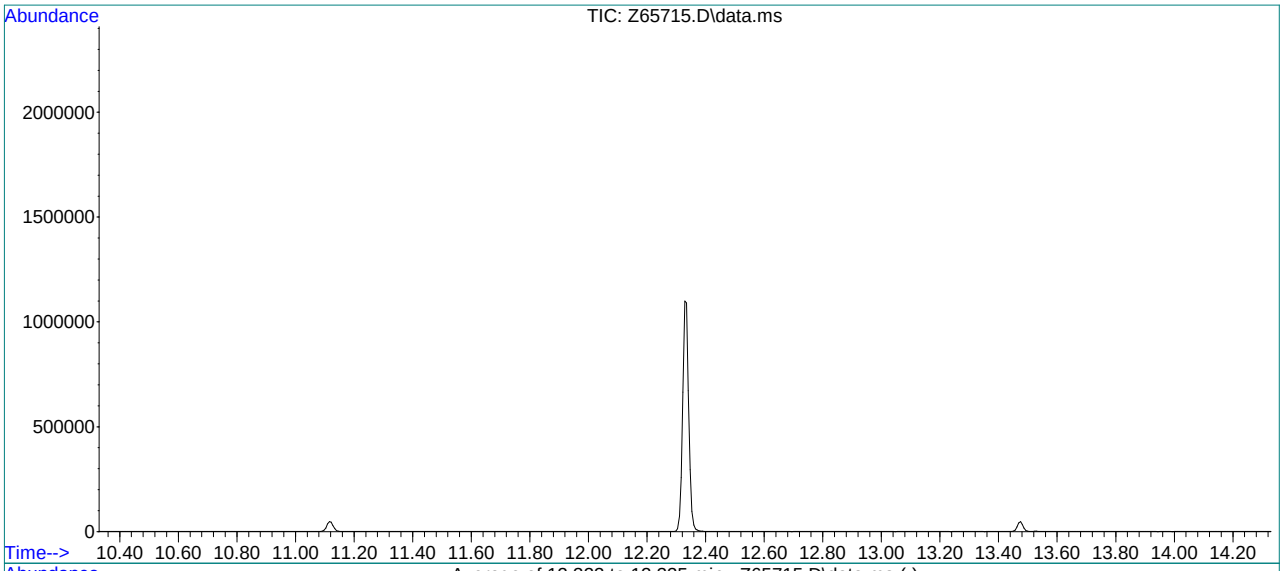
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	32941	PASS
75	95	30	60	56.1	91400	PASS
95	95	100	100	100.0	162995	PASS
96	95	5	9	6.9	11206	PASS
173	174	0.00	2	0.9	1242	PASS
174	95	50	100	86.5	140947	PASS
175	174	5	9	7.2	10204	PASS
176	174	95	101	99.6	140437	PASS
177	176	5	9	6.5	9114	PASS

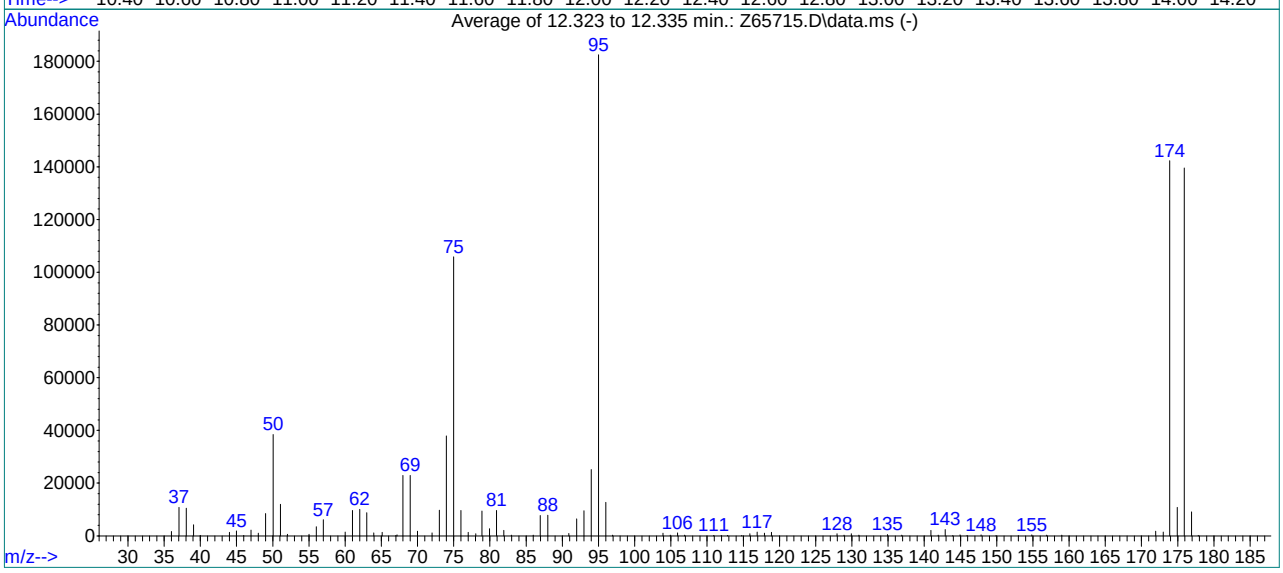
Z65701.D SIMCL-08-04-2021.M Fri Sep 03 09:33:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-03\Z65715.D Vial: 2
Acq On : 3 Sep 2021 9:43 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	38475	PASS
75	95	30	60	58.0	105853	PASS
95	95	100	100	100.0	182464	PASS
96	95	5	9	7.0	12727	PASS
173	174	0.00	2	1.0	1494	PASS
174	95	50	100	78.0	142331	PASS
175	174	5	9	7.6	10776	PASS
176	174	95	101	98.0	139501	PASS
177	176	5	9	6.5	9064	PASS

Z65715.D SIMCL-09-02-2021.M Fri Sep 03 10:47:03 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:08:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration

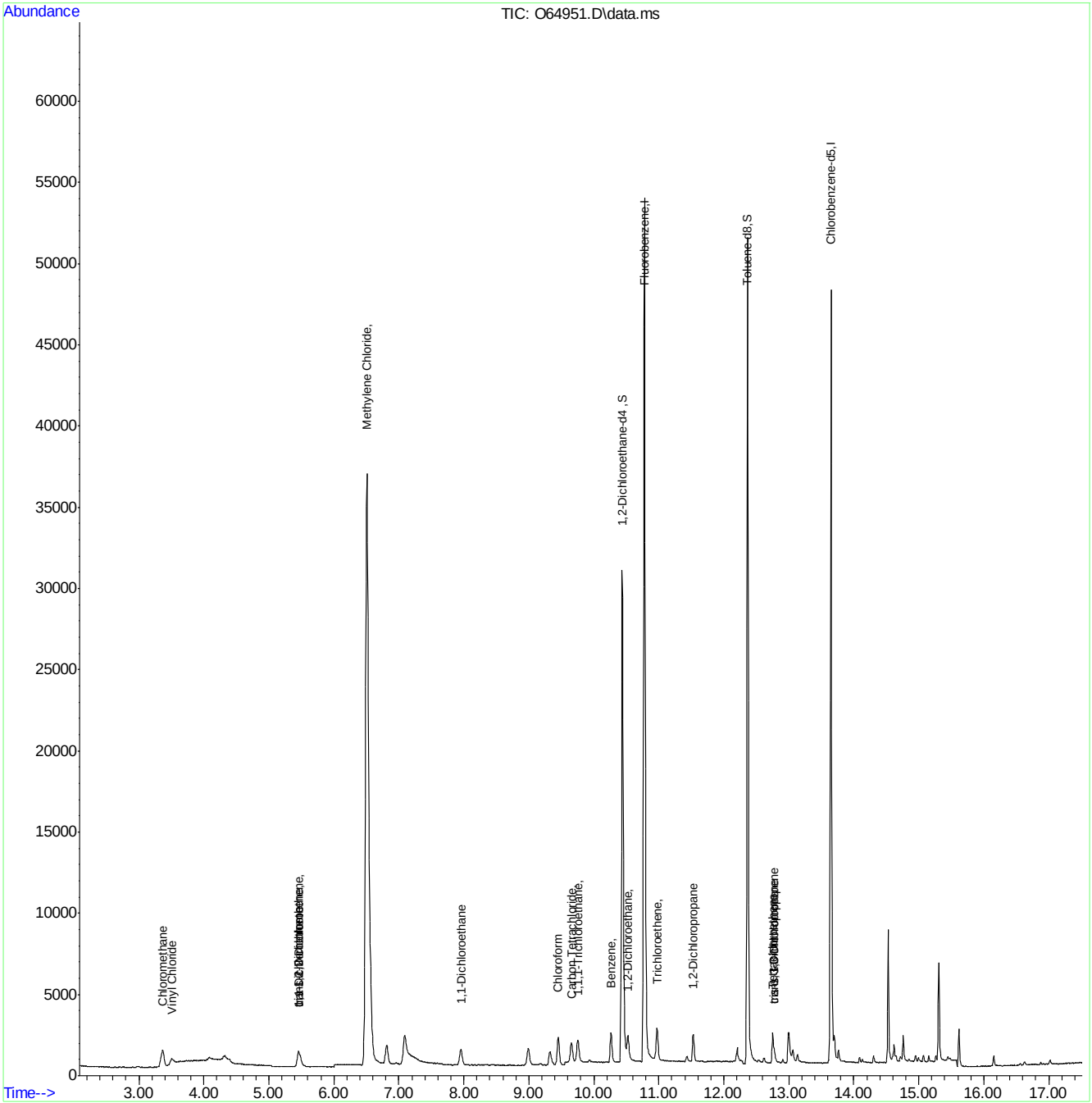
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	61547	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	41081	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29511	5.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 119.40%				
19) Toluene-d8	12.367	98	44940	4.68	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.507	62	794	0.12	ug/L		80
3) Chloromethane	3.364	50	2782	0.26	ug/L		82
4) 1,1-Dichloroethene	5.456	61	1440	0.13	ug/L		92
5) Methylene Chloride	6.506	49	45292	2.67	ug/L		92
6) trans-1,2-Dichloroethene	5.456	61	1440	0.13	ug/L		84
7) 1,1-Dichloroethane	7.956	63	1732	0.14	ug/L		92
8) cis-1,2-Dichloroethene	5.456	96	794	0.13	ug/L	#	75
9) Chloroform	9.450	83	2046m	0.12	ug/L		
10) Carbon Tetrachloride	9.656	117	1159m	0.14	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	1357	0.13	ug/L		99
12) Benzene	10.267	78	3142	0.13	ug/L		95
14) 1,2-Dichloroethane	10.525	62	1512	0.13	ug/L		93
15) Trichloroethene	10.974	95	902	0.12	ug/L		92
16) 1,2-Dichloropropane	11.531	63	829	0.12	ug/L		84
17) cis-1,3-Dichloropropene	12.774	75	715	0.08	ug/L		97
20) trans-1,3-Dichloropropene	12.774	75	715	0.09	ug/L		87
21) Tetrachloroethene	12.758	166	742	0.13	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:08:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration



Manual Integration Approval Summary

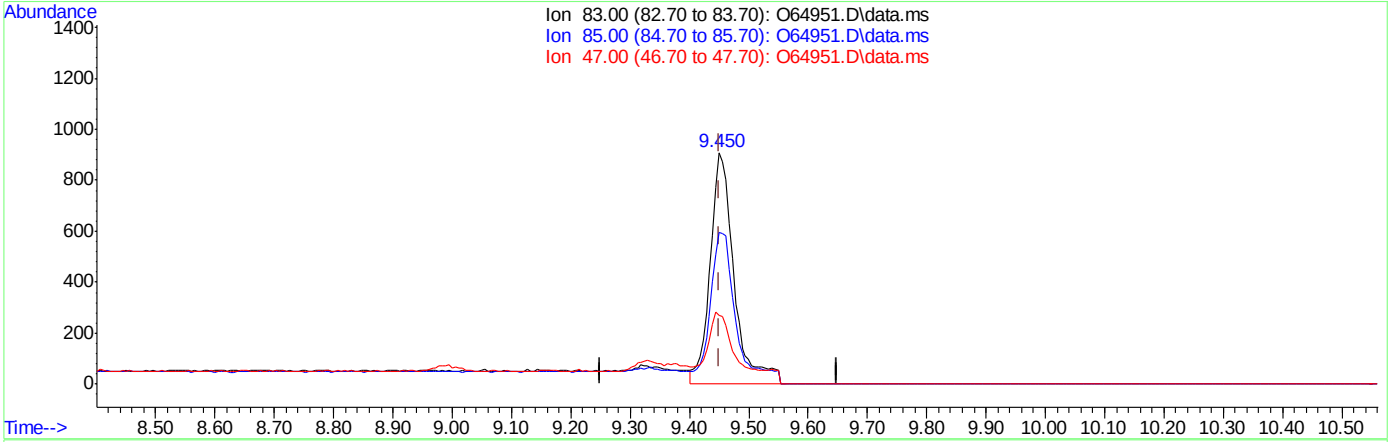
Sample Number: VO2546-IC2546
Lab FileID: O64951.D
Injection Time: 09/03/21 17:04
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:35 Charlene Gonzalez
Supervisor approved: 09/04/21 11:08 Sean Pioro

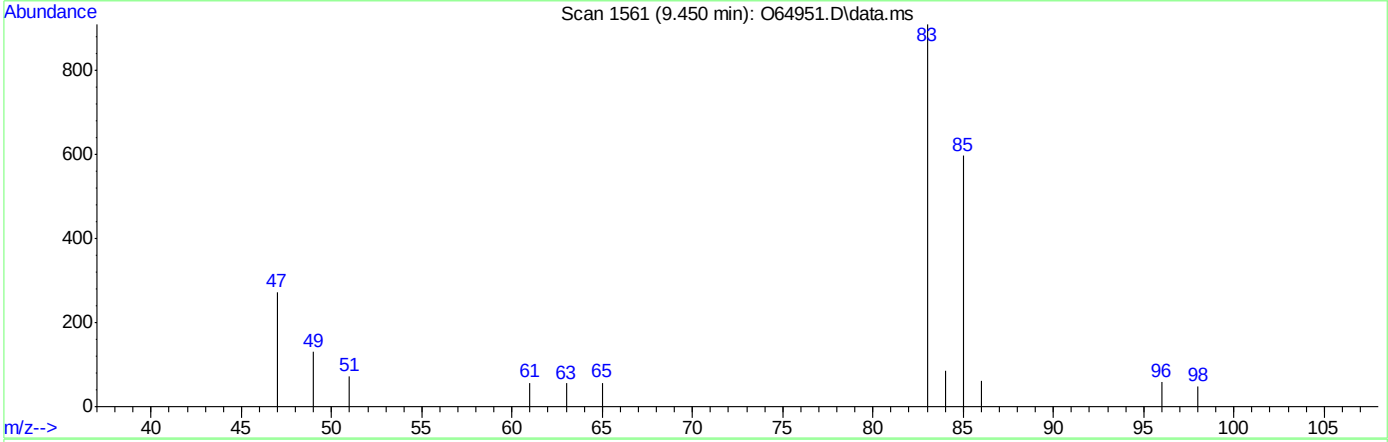
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.15ug/L

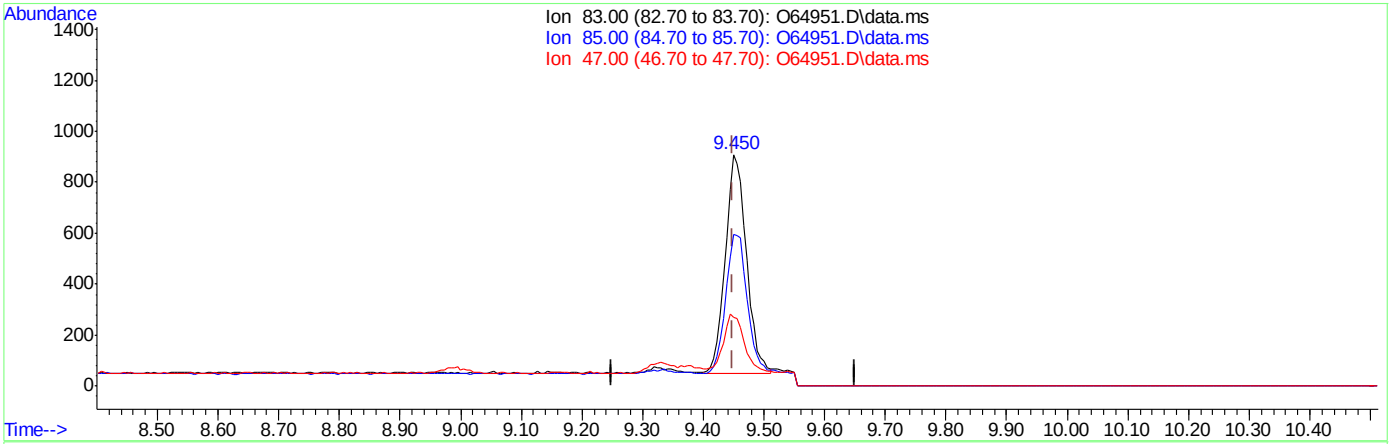
response 2544

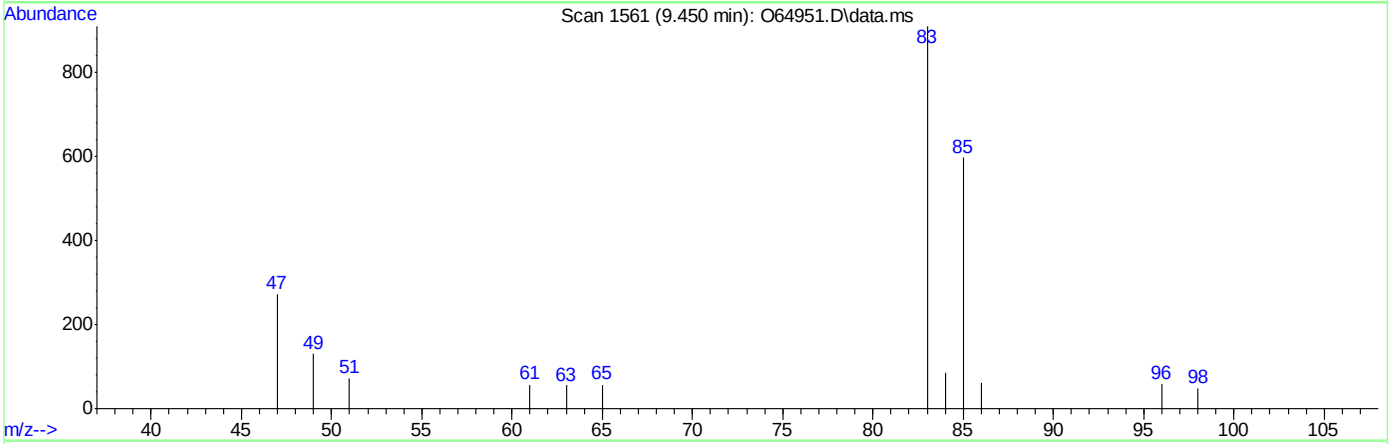
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.68
47.00	35.10	29.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L m

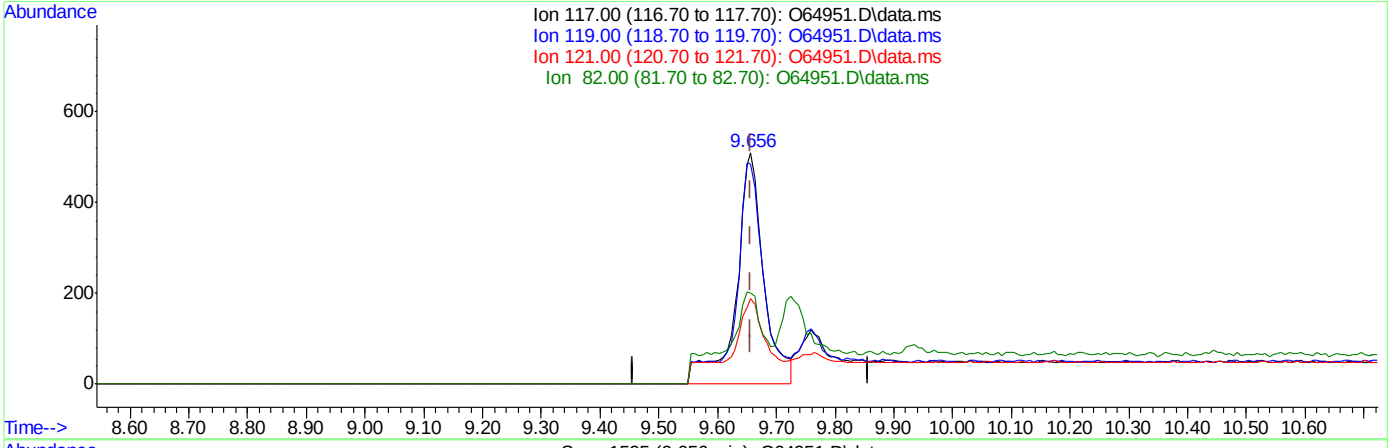
response 2046

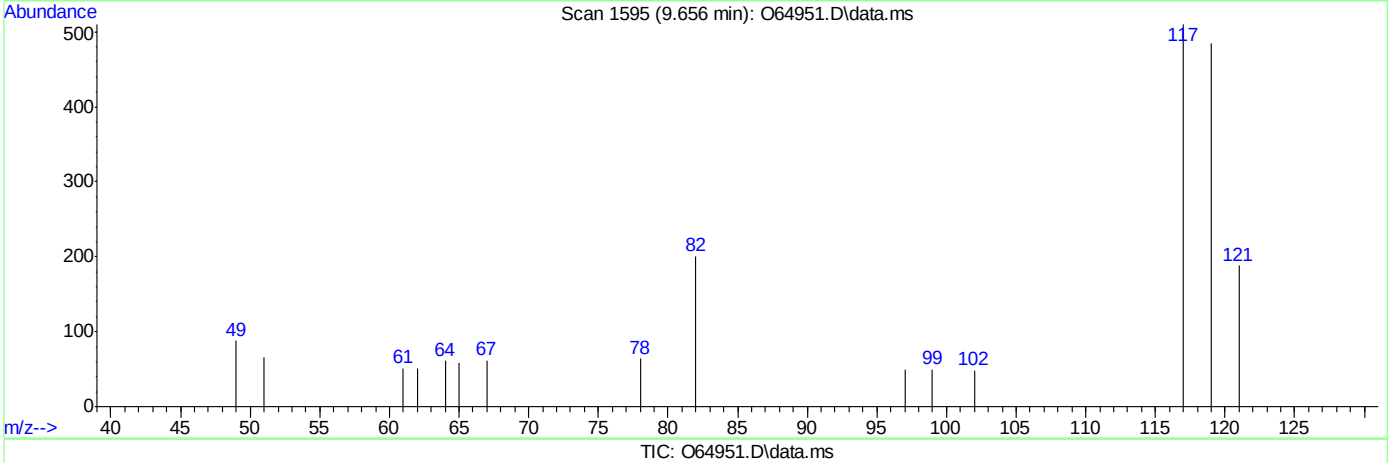
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.68
47.00	35.10	29.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.19ug/L

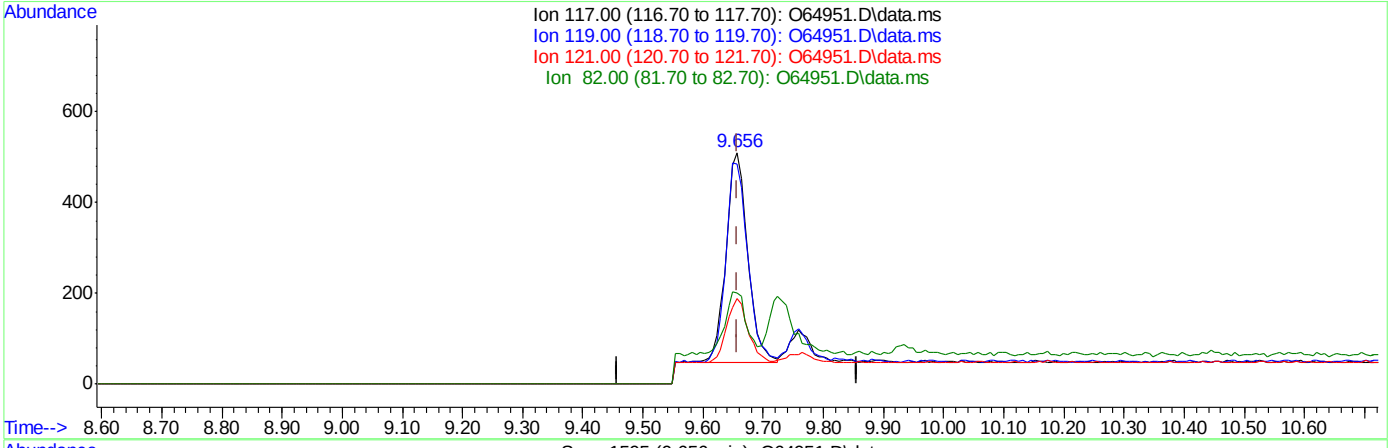
response 1641

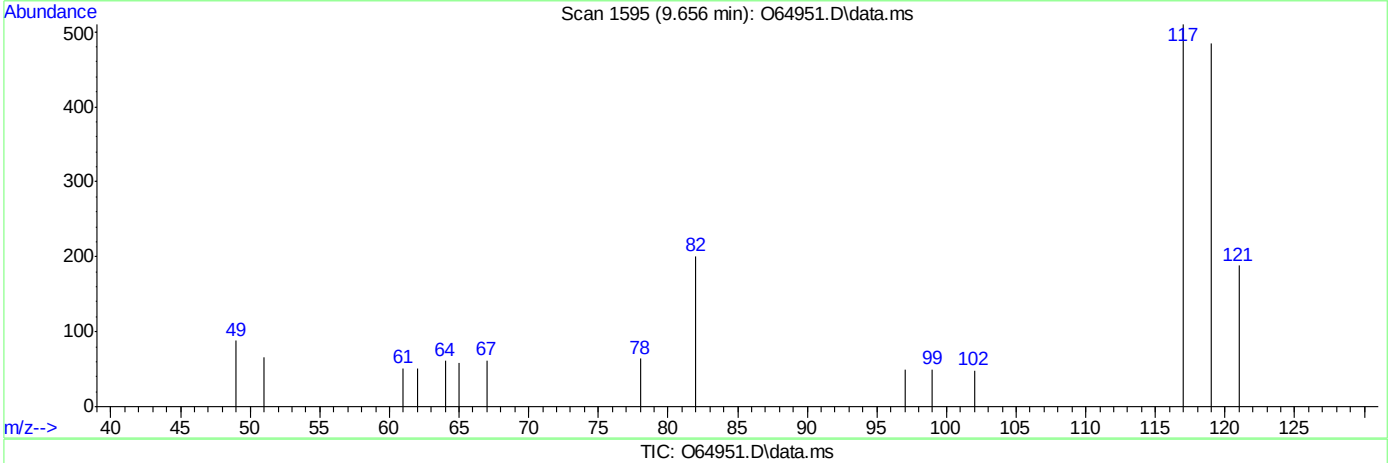
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.90
121.00	31.10	36.86
82.00	24.20	39.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64951.D
Acq On : 3 Sep 2021 5:04 pm
Operator : CHARLENG
Sample : IC2546-1 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:07:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Sep 01 08:50:51 2021
Response via : Initial Calibration





TIC: O64951.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.14ug/L m

response 1159

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.90
121.00	31.10	36.86
82.00	24.20	39.41

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration

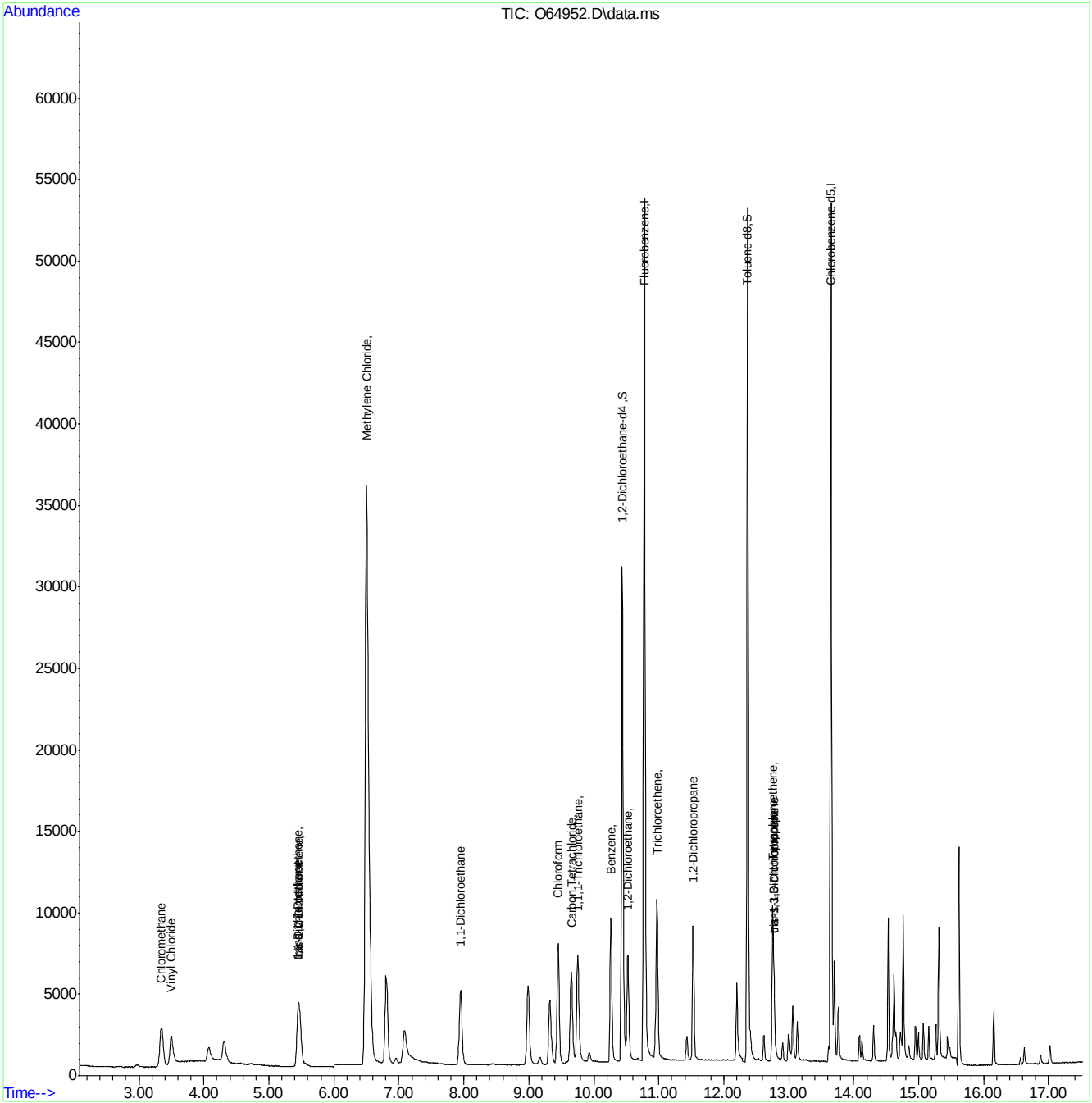
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	62011	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	40777	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	29176	5.76	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 115.20%				
19) Toluene-d8	12.367	98	46548	4.93	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	3953	0.57	ug/L		99
3) Chloromethane	3.343	50	6562	0.59	ug/L		99
4) 1,1-Dichloroethene	5.448	61	6626	0.59	ug/L		90
5) Methylene Chloride	6.501	49	47811	0.63	ug/L		92
6) trans-1,2-Dichloroethene	5.448	61	6626	0.59	ug/L		83
7) 1,1-Dichloroethane	7.951	63	7966	0.61	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	3809	0.61	ug/L	#	73
9) Chloroform	9.450	83	9461	0.63	ug/L		93
10) Carbon Tetrachloride	9.657	117	5369m	0.60	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	6594	0.61	ug/L		99
12) Benzene	10.267	78	14652	0.58	ug/L		92
14) 1,2-Dichloroethane	10.525	62	7019	0.59	ug/L		94
15) Trichloroethene	10.974	95	4378	0.58	ug/L		94
16) 1,2-Dichloropropane	11.531	63	4232	0.59	ug/L		88
17) cis-1,3-Dichloropropene	12.774	75	3889	0.46	ug/L		96
20) trans-1,3-Dichloropropene	12.774	75	3889	0.47	ug/L		88
21) Tetrachloroethene	12.752	166	3566	0.60	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

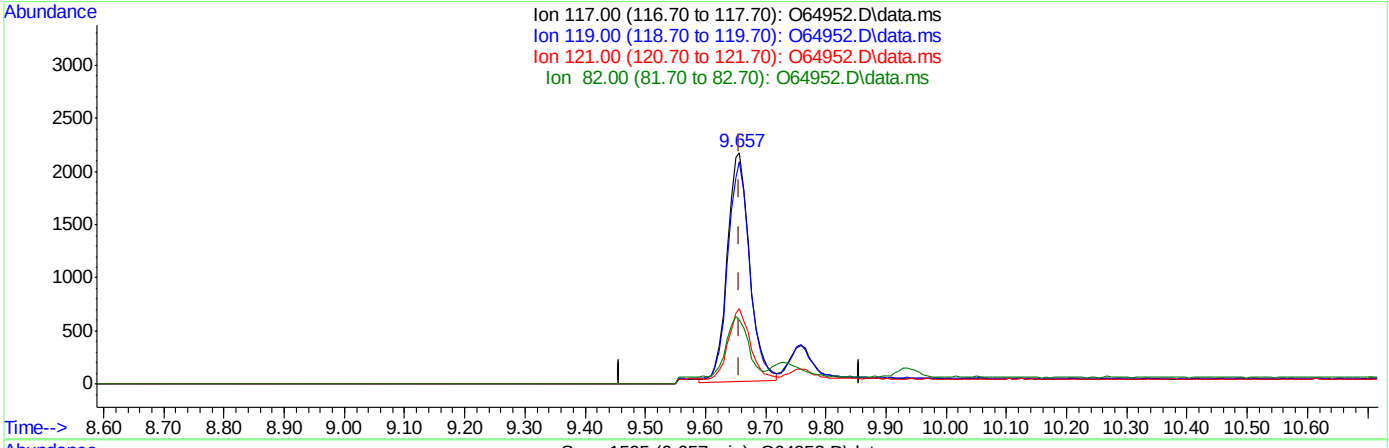
Sample Number: VO2546-IC2546
Lab FileID: O64952.D
Injection Time: 09/03/21 17:28
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:35 Charlene Gonzalez
Supervisor approved: 09/04/21 11:08 Sean Pioro

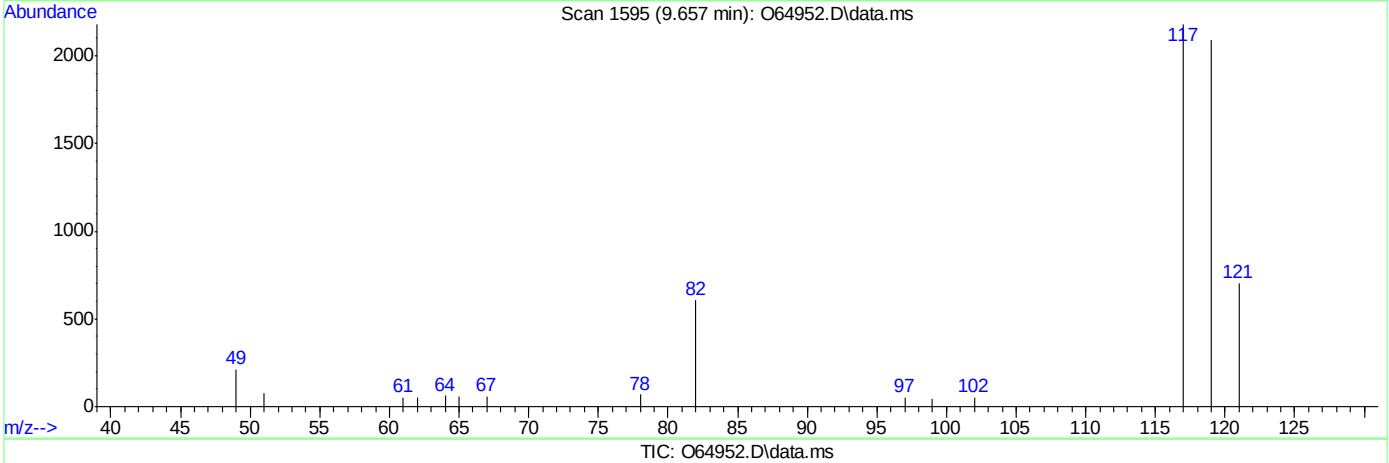
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration





TIC: O64952.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.62ug/L

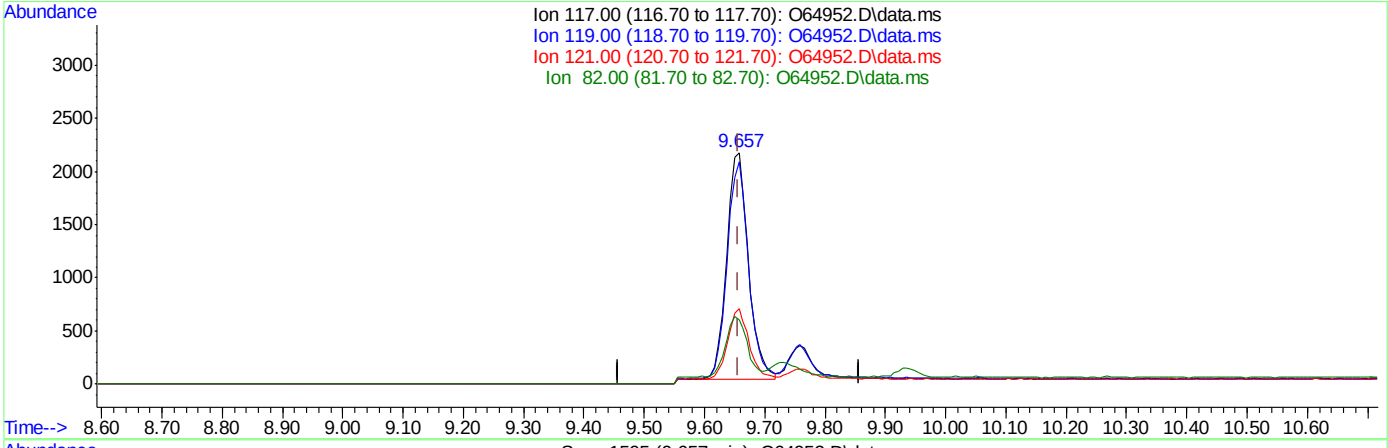
response 5535

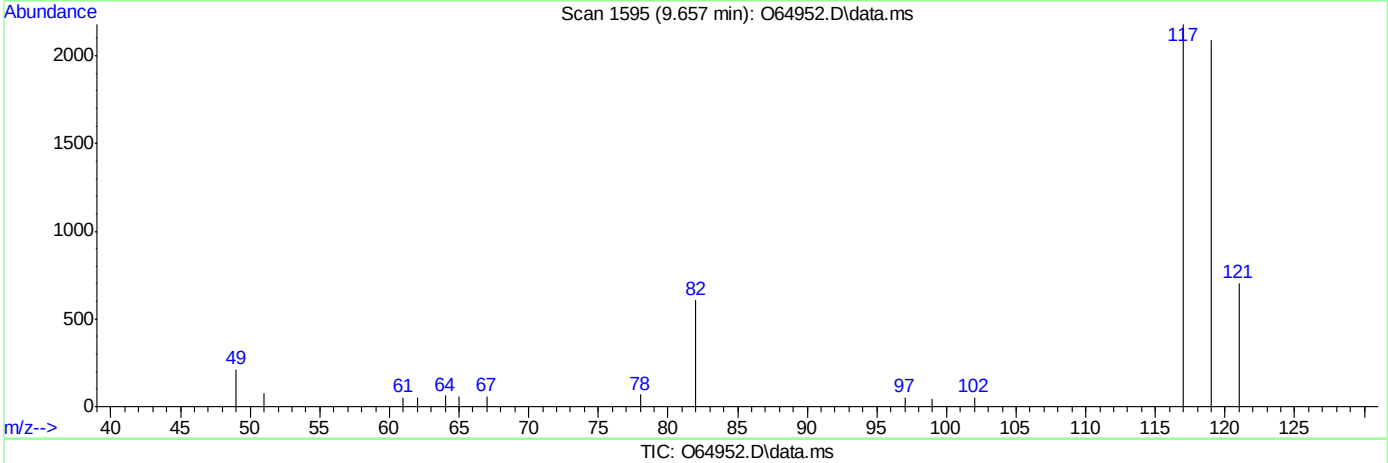
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.54
121.00	31.10	30.61
82.00	24.20	25.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64952.D
Acq On : 3 Sep 2021 5:28 pm
Operator : CHARLENG
Sample : IC2546-2 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 04 08:08:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:08:37 2021
Response via : Initial Calibration





TIC: O64952.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.60ug/L m

response 5369

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.87
121.00	31.10	32.35
82.00	24.20	27.95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64953.D
Acq On : 3 Sep 2021 5:50 pm
Operator : CHARLENG
Sample : IC2546-3 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:09:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:13 2021
Response via : Initial Calibration

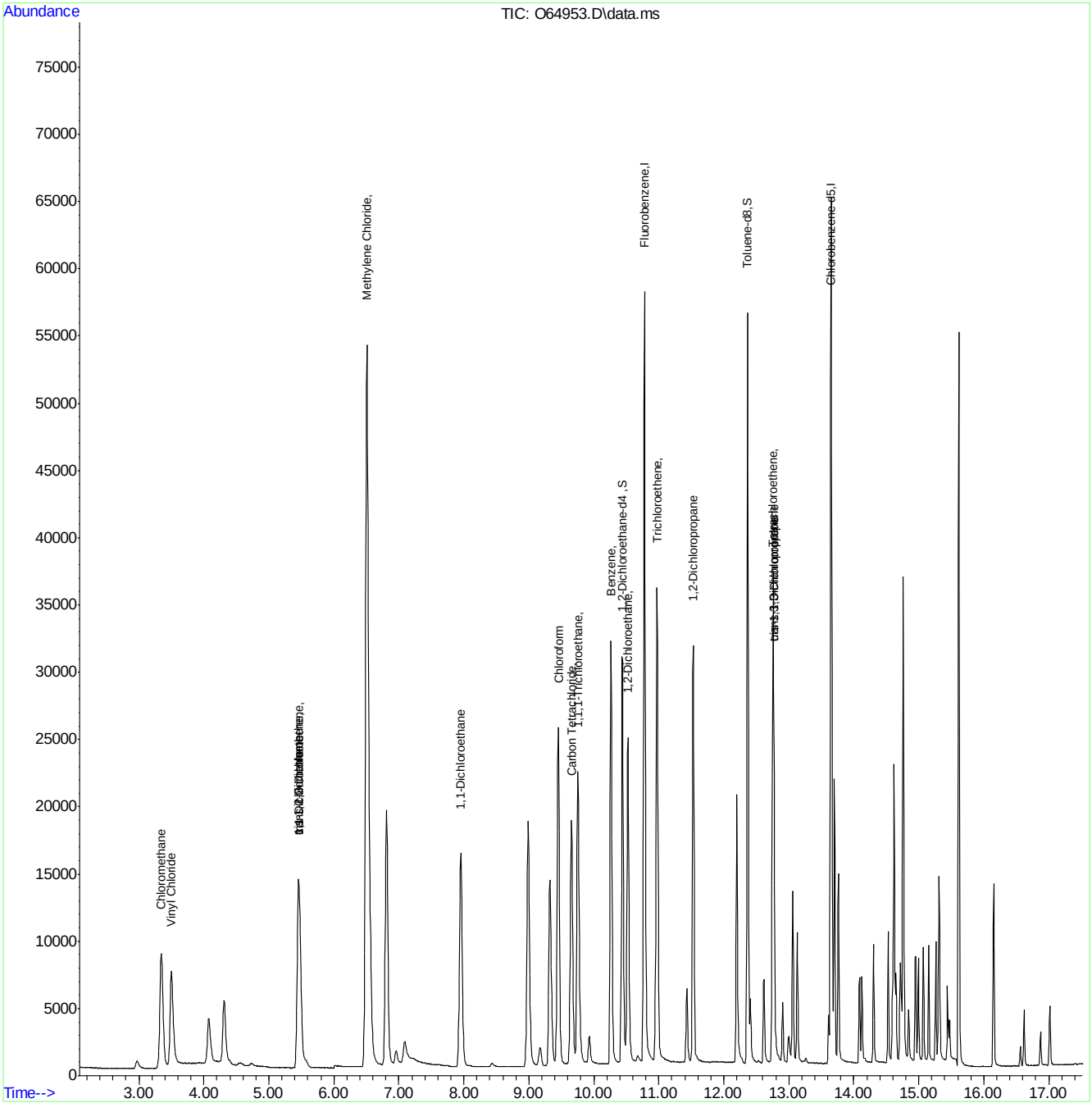
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	65790	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	44023	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28565	5.23	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%				
19) Toluene-d8	12.367	98	48227	4.76	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	15549	2.08	ug/L		100
3) Chloromethane	3.343	50	20867	1.73	ug/L		98
4) 1,1-Dichloroethene	5.456	61	22002	1.82	ug/L		90
5) Methylene Chloride	6.506	49	67189	0.73	ug/L		91
6) trans-1,2-Dichloroethene	5.456	61	22002	1.82	ug/L		84
7) 1,1-Dichloroethane	7.951	63	27571	1.94	ug/L		98
8) cis-1,2-Dichloroethene	5.460	96	12469	1.85	ug/L	#	74
9) Chloroform	9.456	83	30911	1.92	ug/L		93
10) Carbon Tetrachloride	9.656	117	17302	1.81	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	21729	1.85	ug/L		98
12) Benzene	10.267	78	50978	1.86	ug/L		91
14) 1,2-Dichloroethane	10.525	62	25678	2.00	ug/L		94
15) Trichloroethene	10.974	95	15243	1.88	ug/L		93
16) 1,2-Dichloropropane	11.531	63	15028	1.94	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	16053	1.77	ug/L		95
20) trans-1,3-Dichloropropene	12.769	75	16053	1.80	ug/L		88
21) Tetrachloroethene	12.752	166	12021	1.84	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64953.D
Acq On : 3 Sep 2021 5:50 pm
Operator : CHARLENG
Sample : IC2546-3 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:09:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64954.D
Acq On : 3 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : IC2546-4 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 08:09:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:28 2021
Response via : Initial Calibration

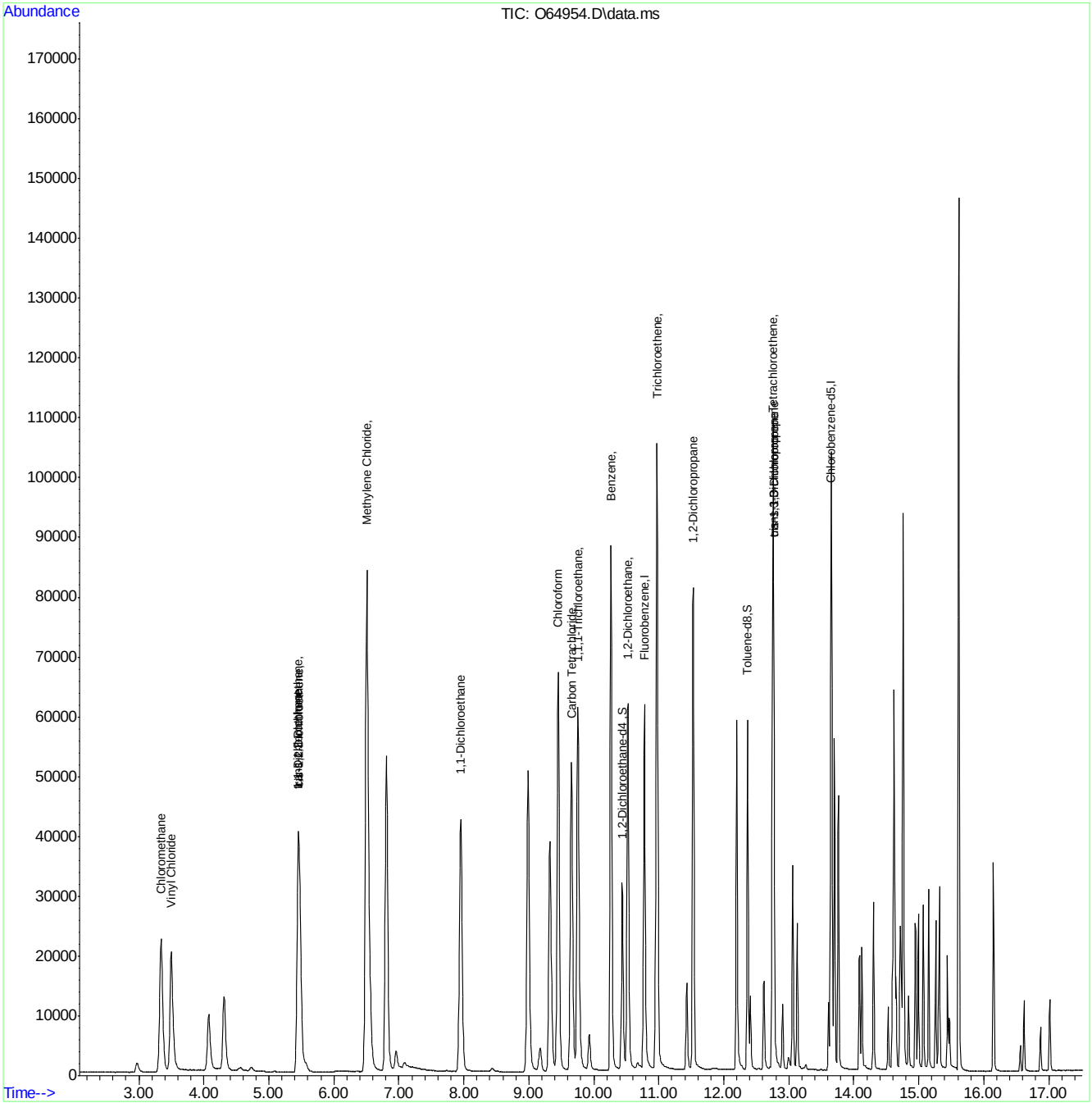
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	69237	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	46631	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28382	4.89	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.80%				
19) Toluene-d8	12.367	98	50197	4.72	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	43050	5.38	ug/L		99
3) Chloromethane	3.339	50	53025	4.09	ug/L		97
4) 1,1-Dichloroethene	5.452	61	62647	4.86	ug/L		91
5) Methylene Chloride	6.506	49	103701	1.04	ug/L		90
6) trans-1,2-Dichloroethene	5.452	61	62647	4.86	ug/L		85
7) 1,1-Dichloroethane	7.951	63	73824	4.82	ug/L		96
8) cis-1,2-Dichloroethene	5.456	96	35572	4.93	ug/L	#	74
9) Chloroform	9.450	83	80129	4.65	ug/L		94
10) Carbon Tetrachloride	9.656	117	48531	4.77	ug/L		96
11) 1,1,1-Trichloroethane	9.758	97	60429	4.82	ug/L		98
12) Benzene	10.267	78	140618	4.80	ug/L		91
14) 1,2-Dichloroethane	10.525	62	64870	4.68	ug/L		94
15) Trichloroethene	10.974	95	43384	5.00	ug/L		94
16) 1,2-Dichloropropane	11.531	63	39485	4.74	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	44723	4.64	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	44723	4.67	ug/L		88
21) Tetrachloroethene	12.752	166	33776	4.82	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64954.D
Acq On : 3 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : IC2546-4 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 08:09:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:28 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64955.D
Acq On : 3 Sep 2021 6:36 pm
Operator : CHARLENG
Sample : ICC2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 08:09:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:57 2021
Response via : Initial Calibration

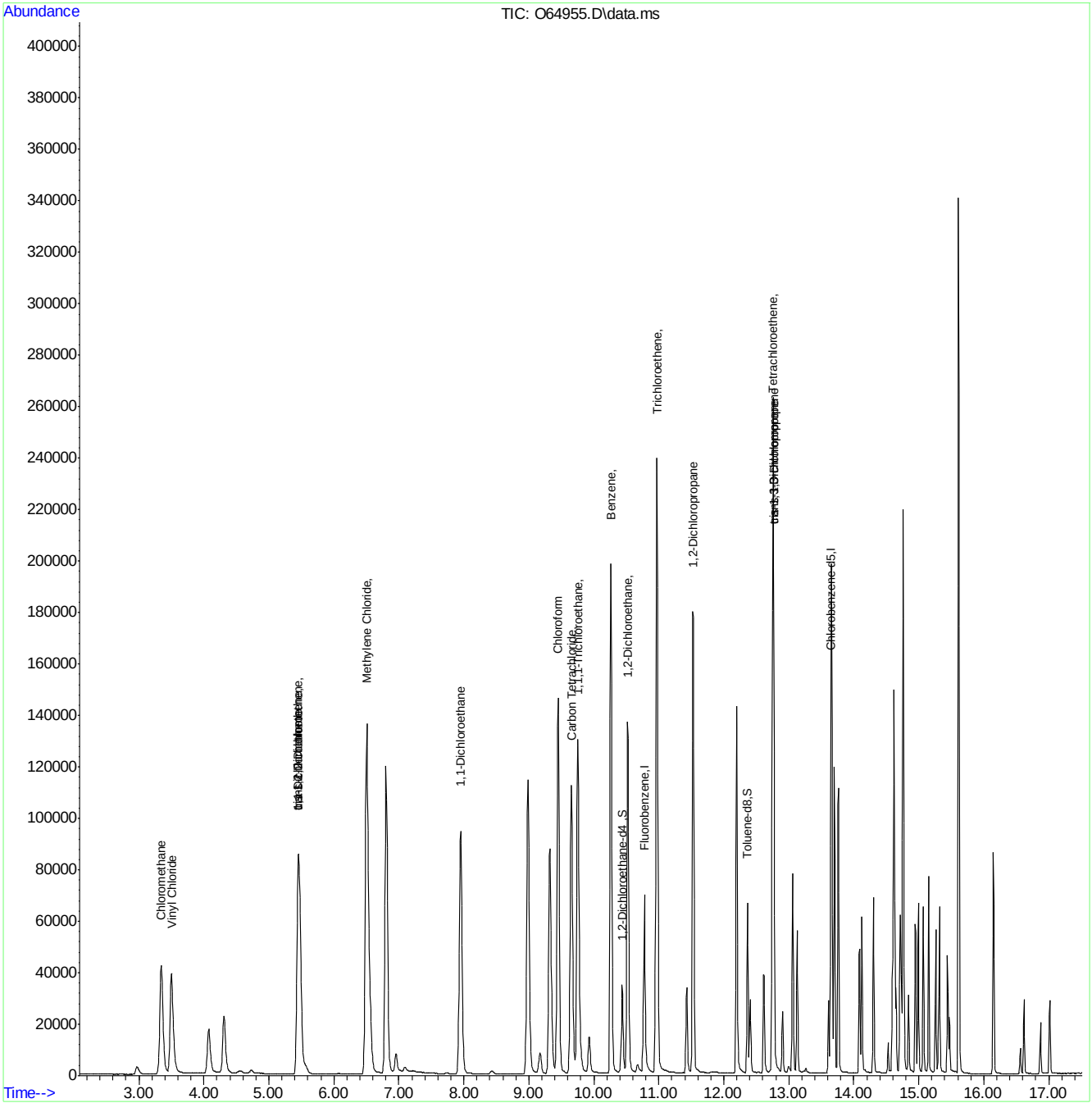
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	76079	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	52353	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30235	4.72	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.40%				
19) Toluene-d8	12.367	98	56075	4.74	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.503	62	88453	9.77	ug/L		99
3) Chloromethane	3.343	50	103759	7.10	ug/L		97
4) 1,1-Dichloroethene	5.452	61	140527	9.83	ug/L		92
5) Methylene Chloride	6.501	49	176745	1.59	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	140527	9.83	ug/L		85
7) 1,1-Dichloroethane	7.951	63	161841	9.54	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	79818	9.95	ug/L	#	76
9) Chloroform	9.450	83	172592	9.08	ug/L		94
10) Carbon Tetrachloride	9.656	117	106774	9.49	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	132611	9.56	ug/L		99
12) Benzene	10.267	78	317597	9.82	ug/L		90
14) 1,2-Dichloroethane	10.518	62	141256	9.29	ug/L		91
15) Trichloroethene	10.974	95	97900	10.18	ug/L		94
16) 1,2-Dichloropropane	11.525	63	87965	9.62	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	109003	10.47	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	109003	10.30	ug/L		87
21) Tetrachloroethene	12.752	166	76740	9.71	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64955.D
Acq On : 3 Sep 2021 6:36 pm
Operator : CHARLENG
Sample : ICC2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 08:09:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:09:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64956.D
Acq On : 3 Sep 2021 6:59 pm
Operator : CHARLENG
Sample : IC2546-6 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 08:10:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:20 2021
Response via : Initial Calibration

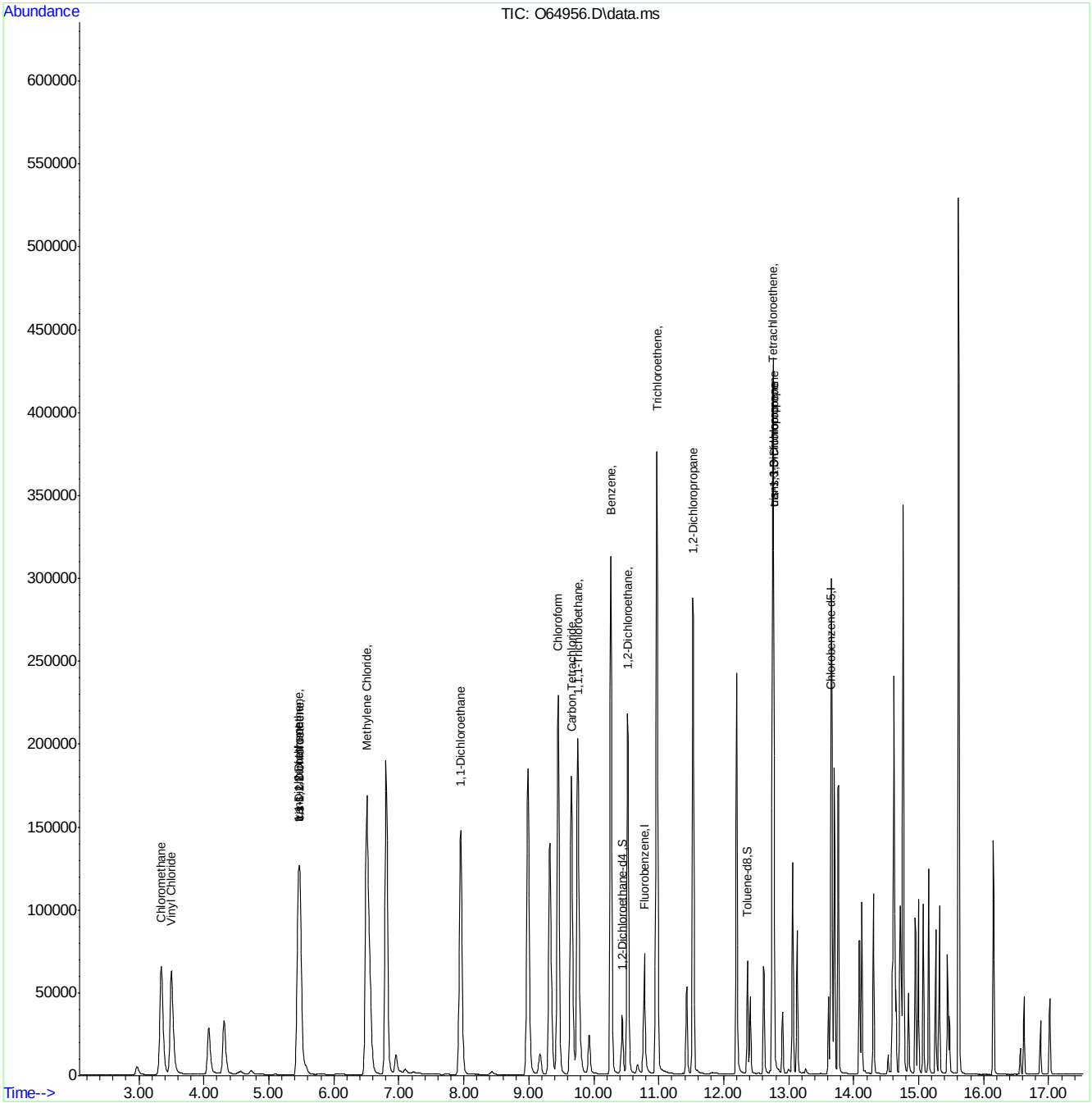
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	77704	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	53935	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30845	4.69	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.80%				
19) Toluene-d8	12.367	98	59466	4.94	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	141073	15.19	ug/L		100
3) Chloromethane	3.343	50	162003	10.76	ug/L		97
4) 1,1-Dichloroethene	5.465	61	223977	15.27	ug/L		92
5) Methylene Chloride	6.506	49	248319	2.18	ug/L		89
6) trans-1,2-Dichloroethene	5.465	61	223977	15.27	ug/L		85
7) 1,1-Dichloroethane	7.951	63	253793	14.56	ug/L		97
8) cis-1,2-Dichloroethene	5.469	96	127081	15.38	ug/L	#	75
9) Chloroform	9.450	83	267768	13.74	ug/L		93
10) Carbon Tetrachloride	9.657	117	171171	14.87	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	208267	14.70	ug/L		99
12) Benzene	10.267	78	501442	15.12	ug/L		90
14) 1,2-Dichloroethane	10.519	62	219093	14.09	ug/L		92
15) Trichloroethene	10.974	95	154040	15.57	ug/L		95
16) 1,2-Dichloropropane	11.525	63	139763	14.94	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	180331	17.09	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	180331	16.68	ug/L		86
21) Tetrachloroethene	12.752	166	121089	14.85	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64956.D
Acq On : 3 Sep 2021 6:59 pm
Operator : CHARLENG
Sample : IC2546-6 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 08:10:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:20 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64957.D
Acq On : 3 Sep 2021 7:23 pm
Operator : CHARLENG
Sample : IC2546-7 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 08:10:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:36 2021
Response via : Initial Calibration

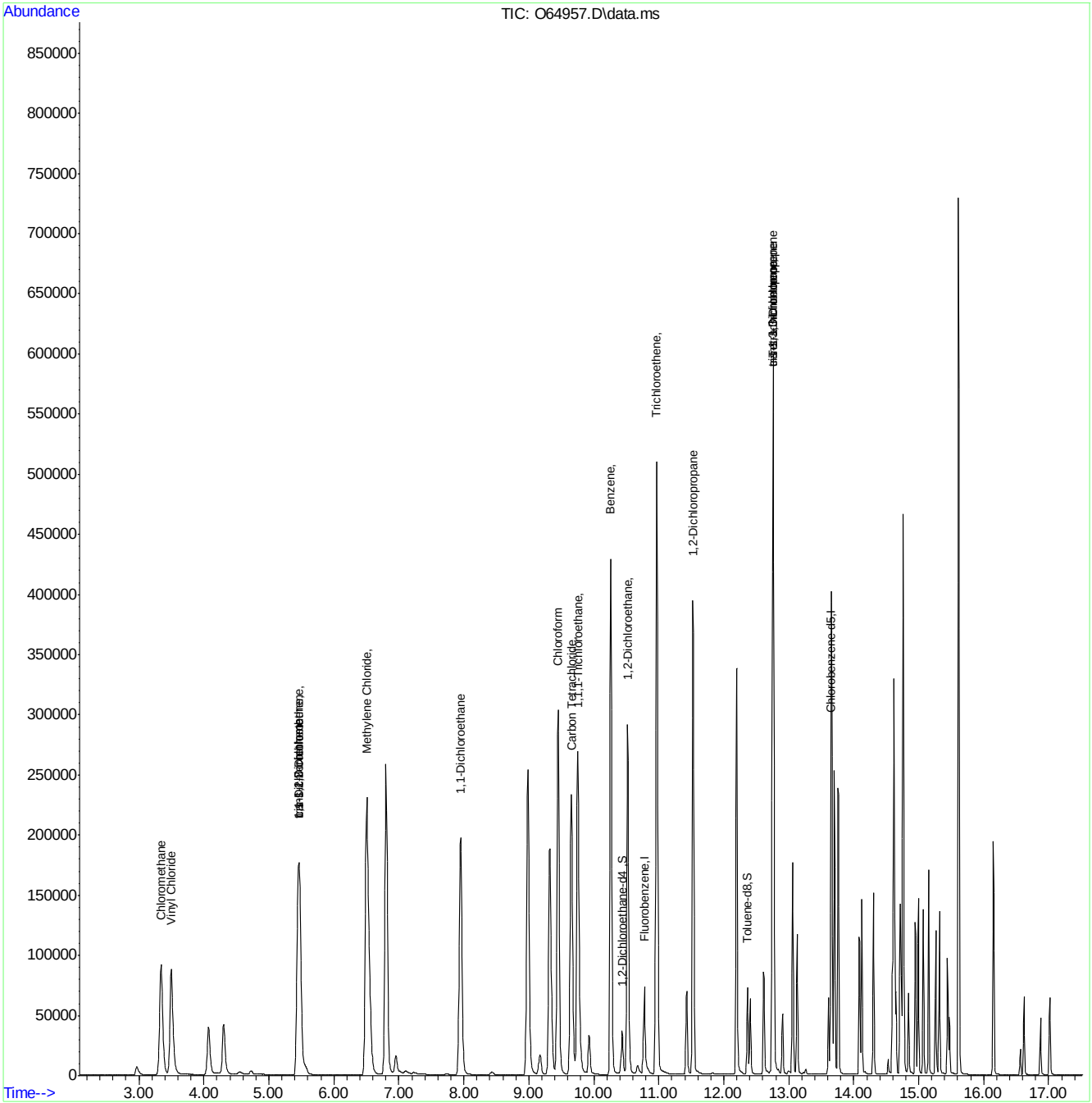
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	79727	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	55521	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	31380	4.64	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.80%				
19) Toluene-d8	12.367	98	61363	4.98	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	191010	19.71	ug/L		99
3) Chloromethane	3.339	50	218165	13.93	ug/L		97
4) 1,1-Dichloroethene	5.456	61	302590	19.56	ug/L		92
5) Methylene Chloride	6.501	49	328166	2.79	ug/L		92
6) trans-1,2-Dichloroethene	5.456	61	302590	19.56	ug/L		86
7) 1,1-Dichloroethane	7.951	63	340361	18.68	ug/L		96
8) cis-1,2-Dichloroethene	5.461	96	172020	19.70	ug/L	#	75
9) Chloroform	9.450	83	356372	17.57	ug/L		93
10) Carbon Tetrachloride	9.657	117	225659	18.62	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	280514	18.90	ug/L		98
12) Benzene	10.261	78	680027	19.63	ug/L		94
14) 1,2-Dichloroethane	10.519	62	293821	18.26	ug/L		92
15) Trichloroethene	10.968	95	206366	19.84	ug/L		93
16) 1,2-Dichloropropane	11.525	63	190756	19.62	ug/L		92
17) cis-1,3-Dichloropropene	12.763	75	252290	23.21	ug/L		95
20) trans-1,3-Dichloropropene	12.763	75	252290	22.64	ug/L		88
21) Tetrachloroethene	12.752	166	164561	19.20	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64957.D
Acq On : 3 Sep 2021 7:23 pm
Operator : CHARLENG
Sample : IC2546-7 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 08:10:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:10:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64959.D
Acq On : 3 Sep 2021 8:09 pm
Operator : CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:21:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

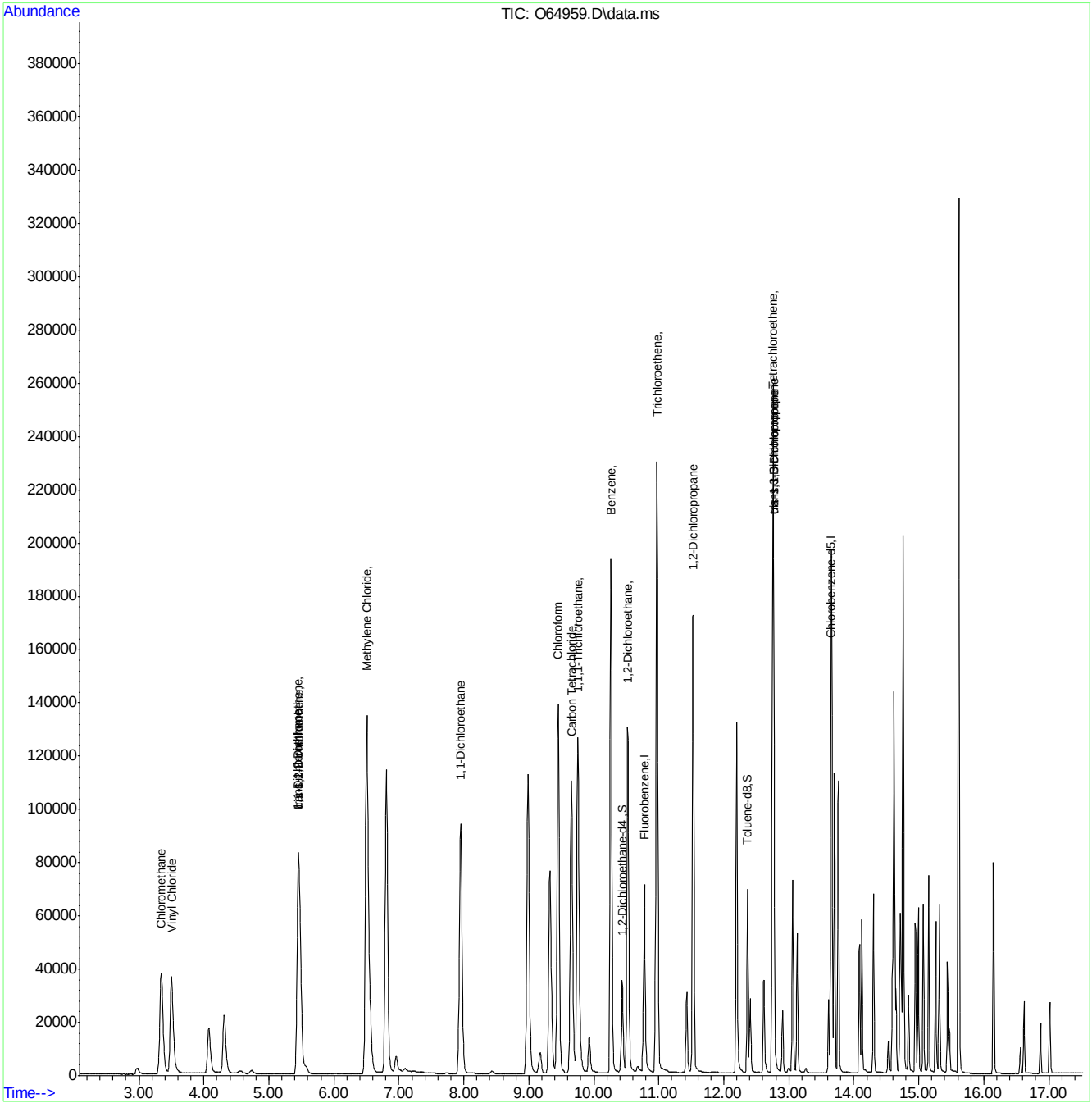
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	78432	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	54670	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	30885	4.62	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.40%				
19) Toluene-d8	12.367	98	58716	4.89	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.503	62	80978	8.44	ug/L		99
3) Chloromethane	3.343	50	94120	8.44	ug/L		98
4) 1,1-Dichloroethene	5.452	61	133734	8.76	ug/L		90
5) Methylene Chloride	6.506	49	167983	1.45	ug/L		90
6) trans-1,2-Dichloroethene	5.452	61	133734	8.76	ug/L		84
7) 1,1-Dichloroethane	7.951	63	161755	8.99	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	75972	8.79	ug/L	#	75
9) Chloroform	9.450	83	165403	9.16	ug/L		94
10) Carbon Tetrachloride	9.656	117	103268	8.68	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	126364	8.66	ug/L		99
12) Benzene	10.267	78	306286	8.96	ug/L		91
14) 1,2-Dichloroethane	10.518	62	135604	8.57	ug/L		91
15) Trichloroethene	10.974	95	94870	9.21	ug/L		94
16) 1,2-Dichloropropane	11.531	63	85816	8.96	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	108253	10.18	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	108253	9.92	ug/L		87
21) Tetrachloroethene	12.752	166	75104	8.89	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-03\
Data File : O64959.D
Acq On : 3 Sep 2021 8:09 pm
Operator : CHARLENG
Sample : ICV2546-5 Inst : MSVOA12
Misc : MS49714,VO2546,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 08:21:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64962.D
Acq On : 4 Sep 2021 9:23 am
Operator : CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 09:50:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

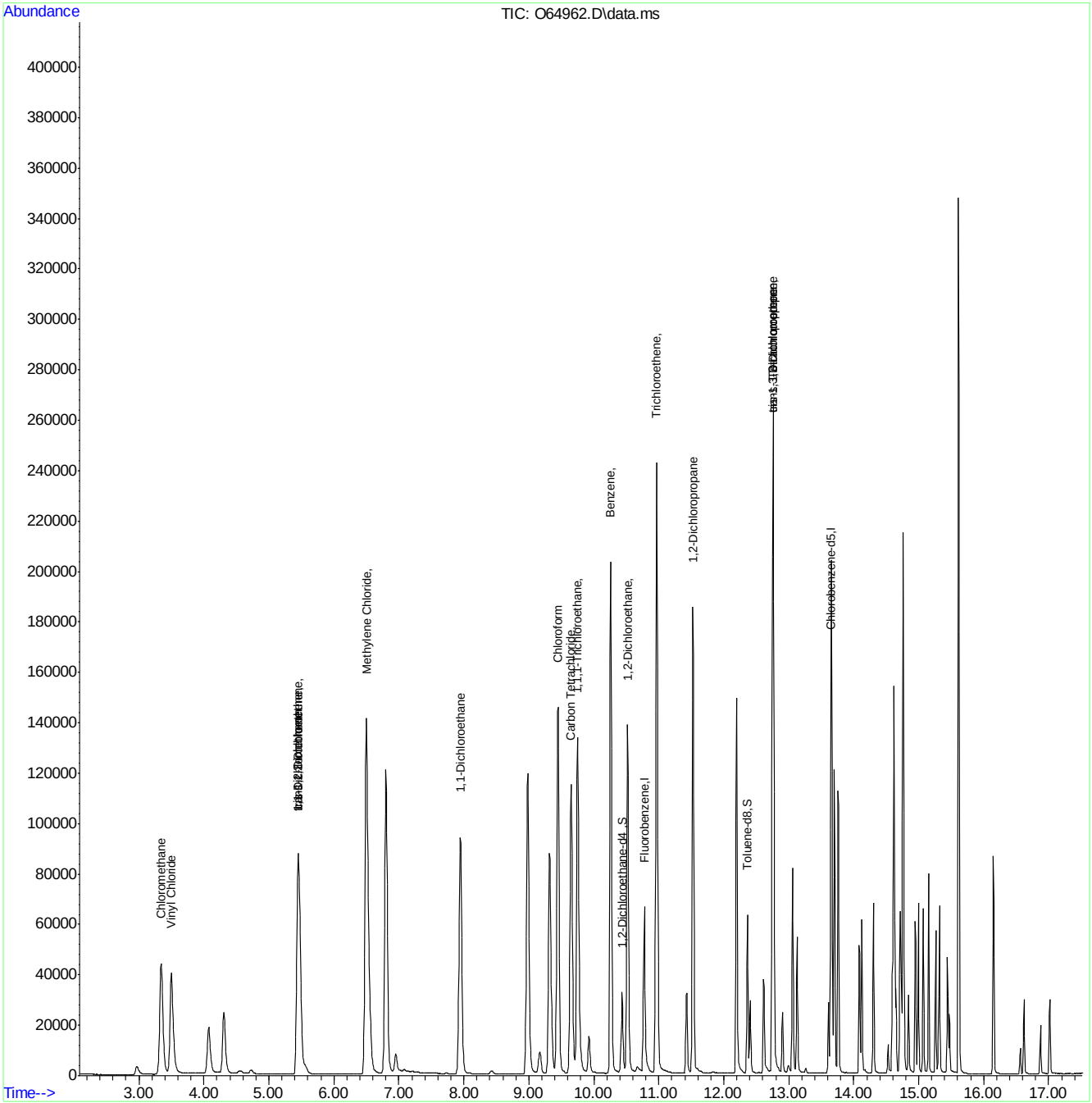
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	73944	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	50531	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28636	4.55	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.00%				
19) Toluene-d8	12.362	98	55833	5.03	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	92913	10.27	ug/L		98
3) Chloromethane	3.339	50	108670	10.41	ug/L		98
4) 1,1-Dichloroethene	5.448	61	139897	9.72	ug/L		92
5) Methylene Chloride	6.501	49	180058	1.64	ug/L		89
6) trans-1,2-Dichloroethene	5.448	61	139897	9.72	ug/L		85
7) 1,1-Dichloroethane	7.946	63	162797	9.60	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	79838	9.80	ug/L	#	75
9) Chloroform	9.450	83	174438	10.27	ug/L		93
10) Carbon Tetrachloride	9.650	117	109667	9.78	ug/L		96
11) 1,1,1-Trichloroethane	9.752	97	134782	9.80	ug/L		99
12) Benzene	10.261	78	322540	10.01	ug/L		93
14) 1,2-Dichloroethane	10.519	62	142266	9.53	ug/L		93
15) Trichloroethene	10.968	95	97981	10.09	ug/L		93
16) 1,2-Dichloropropane	11.525	63	89584	9.92	ug/L		91
17) cis-1,3-Dichloropropene	12.763	75	115581	11.53	ug/L		96
20) trans-1,3-Dichloropropene	12.763	75	115581	11.46	ug/L		88
21) Tetrachloroethene	12.752	166	77812	9.97	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64962.D
Acq On : 4 Sep 2021 9:23 am
Operator : CHARLENG
Sample : CC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 09:50:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/08/21 14:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 08:43:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

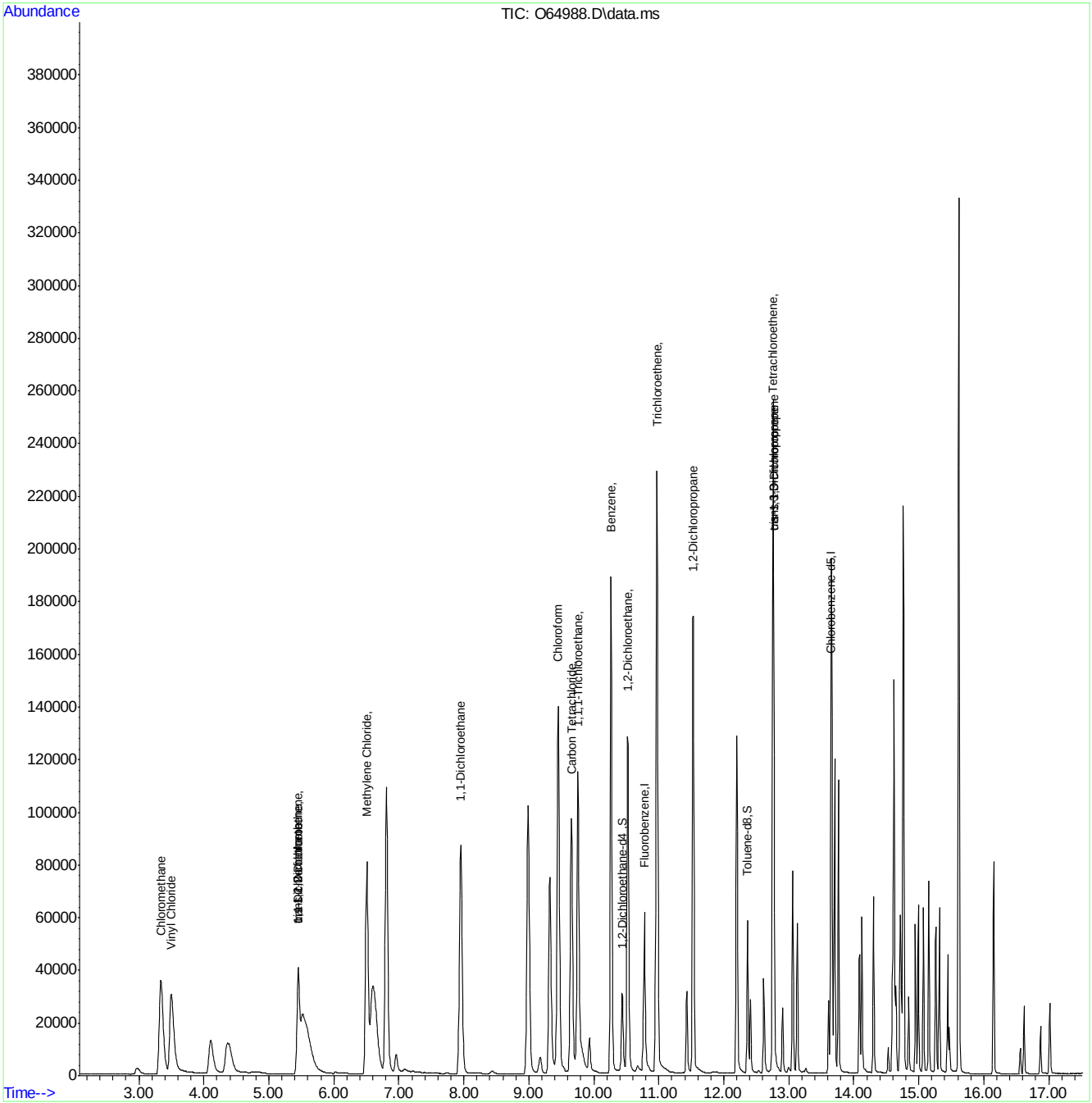
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	66826	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	49620	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	26975	4.74	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.80%			
19) Toluene-d8	12.367	98	48957	4.49	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	89819	10.99	ug/L	98
3) Chloromethane	3.335	50	108179	11.51	ug/L	97
4) 1,1-Dichloroethene	5.452	61	47697m	3.67	ug/L	
5) Methylene Chloride	6.506	49	86045	0.87	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	49683m	3.82	ug/L	
7) 1,1-Dichloroethane	7.951	63	152230	9.93	ug/L	97
8) cis-1,2-Dichloroethene	5.452	96	26706m	3.63	ug/L	
9) Chloroform	9.450	83	164621	10.74	ug/L	94
10) Carbon Tetrachloride	9.657	117	91706	9.05	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	118974	9.57	ug/L	99
12) Benzene	10.267	78	300935	10.33	ug/L	90
14) 1,2-Dichloroethane	10.519	62	134392	9.97	ug/L	92
15) Trichloroethene	10.974	95	94911	10.82	ug/L	94
16) 1,2-Dichloropropane	11.531	63	86034	10.55	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	104342	11.52	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	104342	10.53	ug/L	87
21) Tetrachloroethene	12.752	166	76343	9.96	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 08:43:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

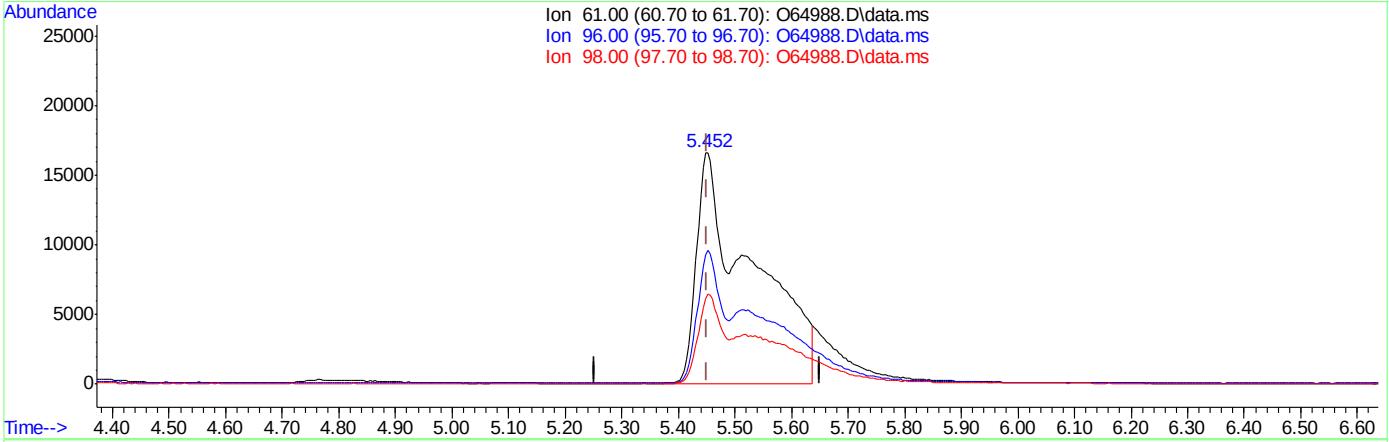
Sample Number: VO2547-ECC2546
Lab FileID: O64988.D
Injection Time: 09/04/21 19:26
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 09:04 Charlene Gonzalez
Supervisor approved: 09/08/21 14:26 Chelsea VanDenBurg

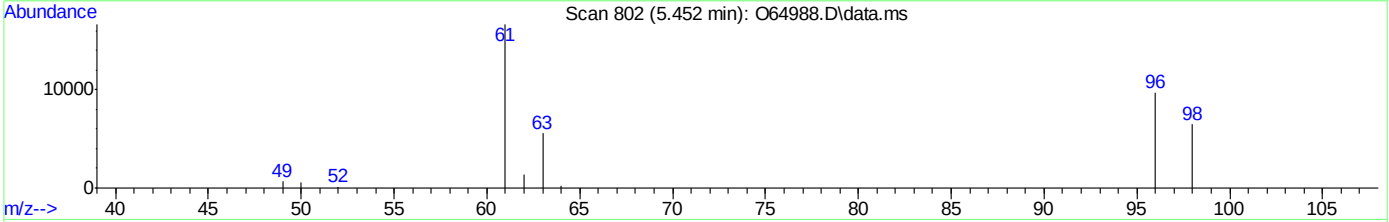
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,2-Dichloroethylene	156-59-2		5.45	Overlapping peak
trans-1,2-Dichloroethylene	156-60-5		5.45	Overlapping peak
1,1-Dichloroethylene	75-35-4		5.45	Overlapping peak

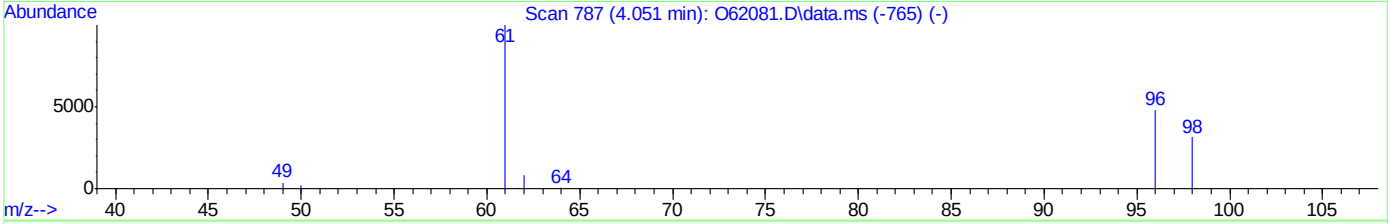
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 8.73ug/L

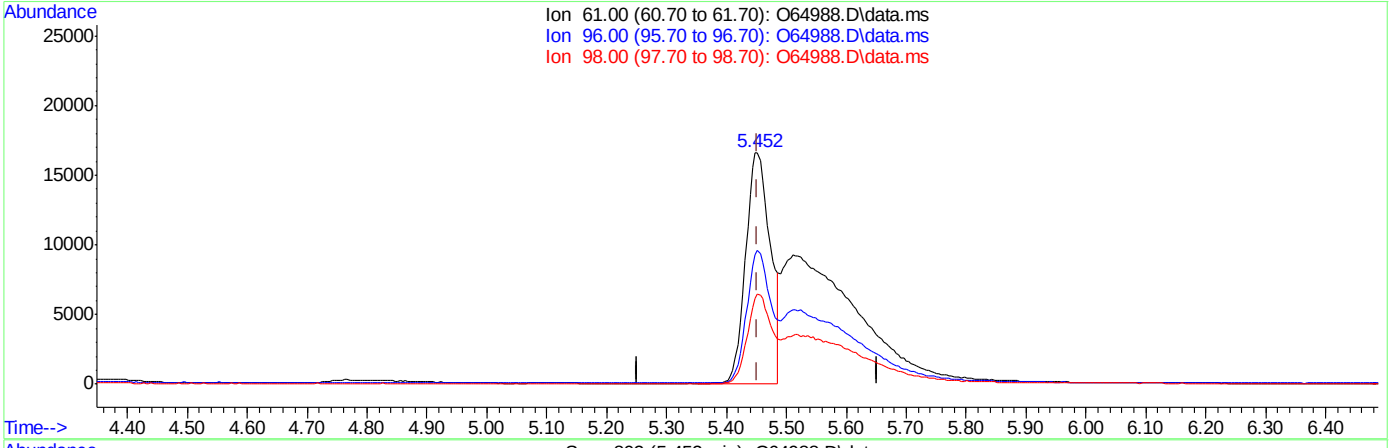
response 113519

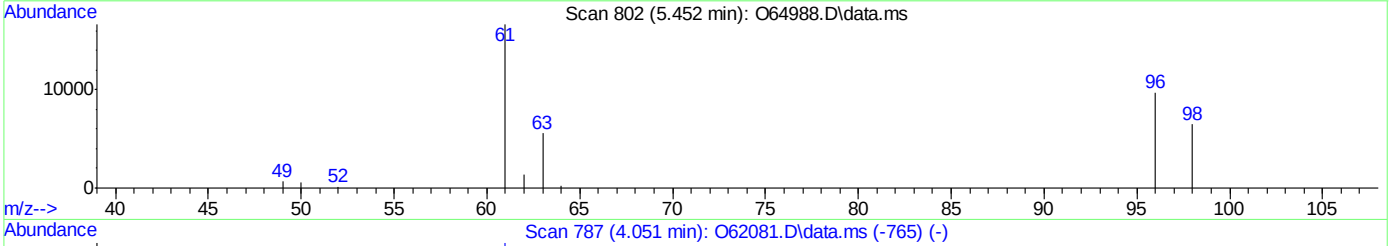
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.71
98.00	40.70	38.70
0.00	0.00	0.00

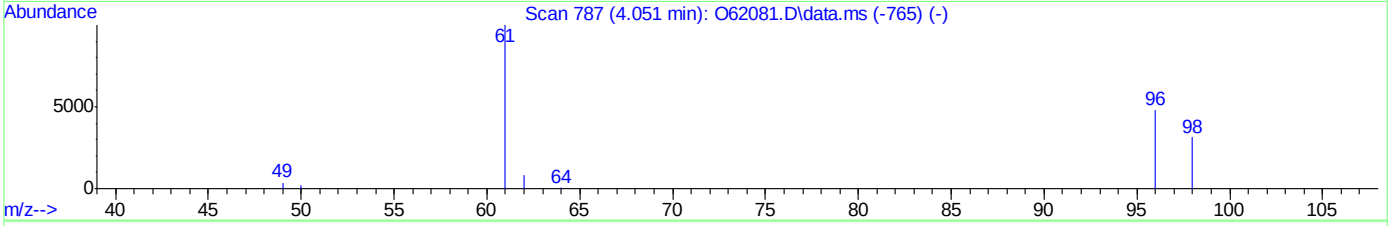
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(4) 1,1-Dichloroethene

5.452min (+0.000) 3.67ug/L m

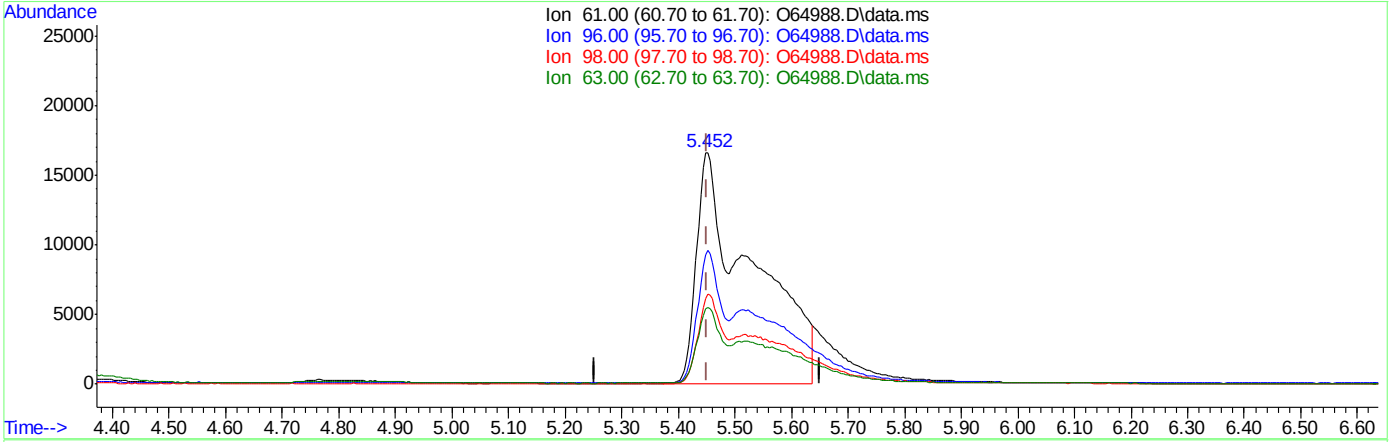
response 47697

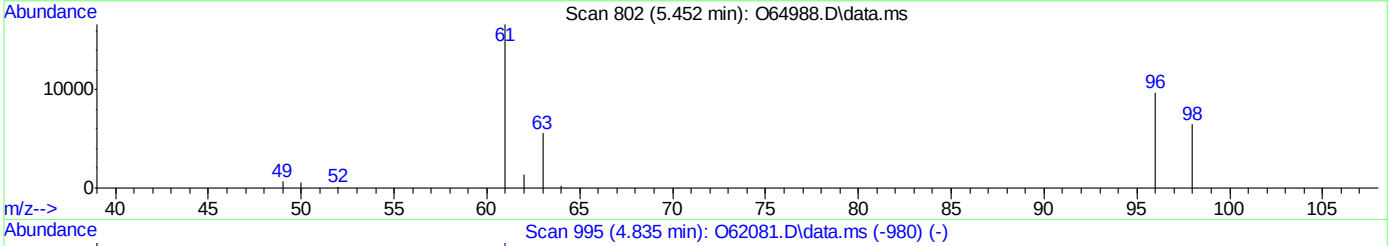
Ion	Exp%	Act%
61.00	100	100
96.00	64.20	57.98
98.00	40.70	38.90
0.00	0.00	0.00

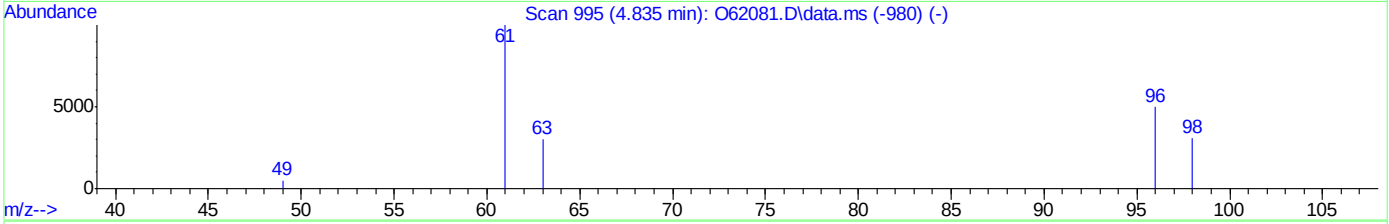
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 8.73ug/L

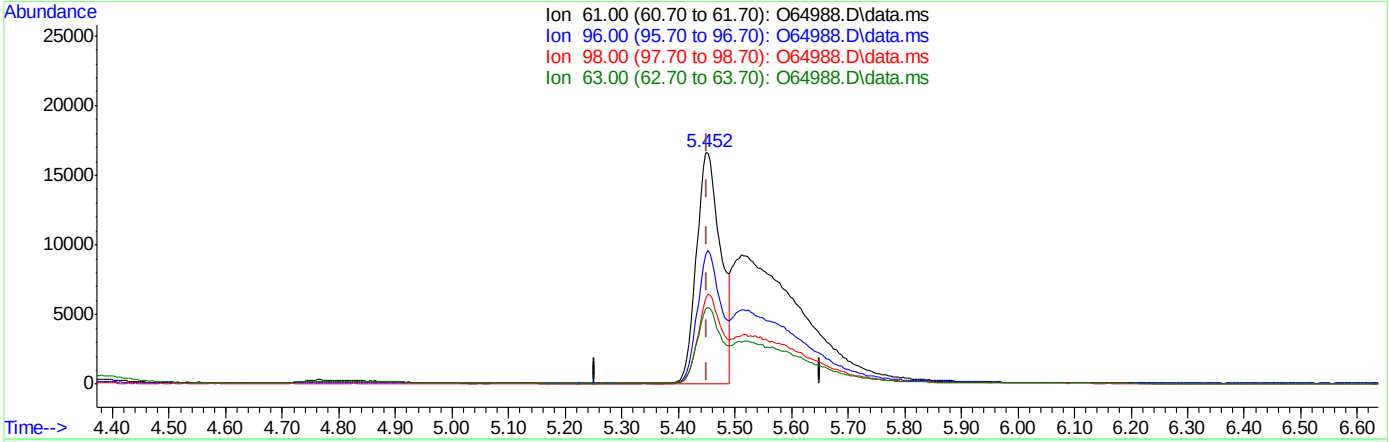
response 113519

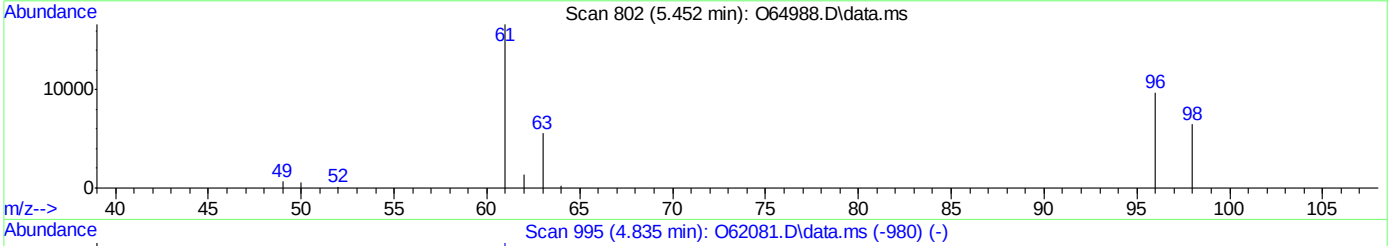
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.71
98.00	47.20	38.70
63.00	32.80	32.93

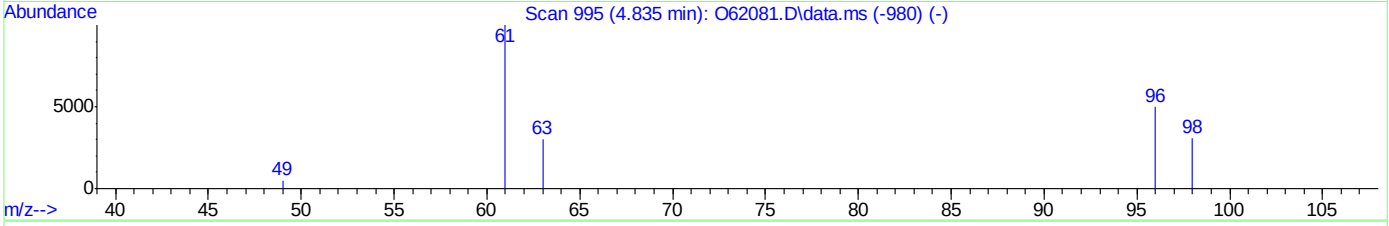
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(6) trans-1,2-Dichloroethene ( )

5.452min (+0.000) 3.82ug/L m

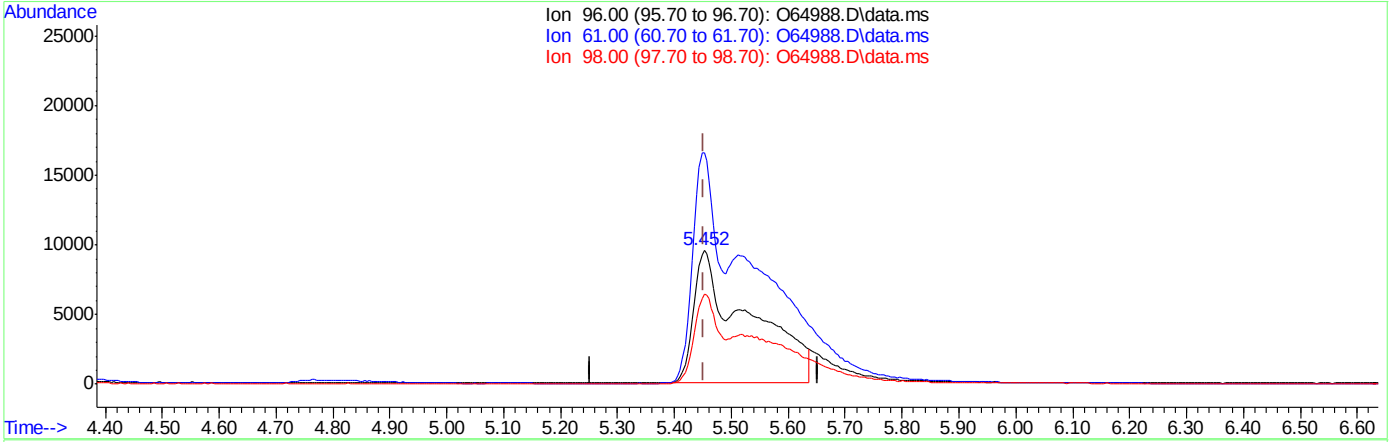
response 49683

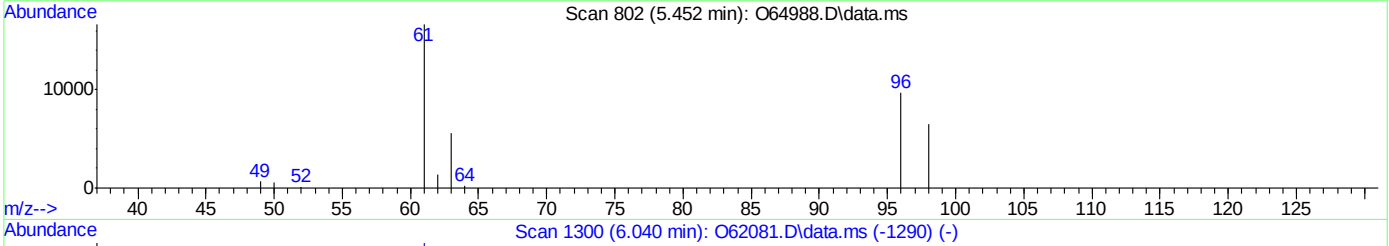
Ion	Exp%	Act%
61.00	100	100
96.00	74.00	57.98
98.00	47.20	38.90
63.00	32.80	33.26

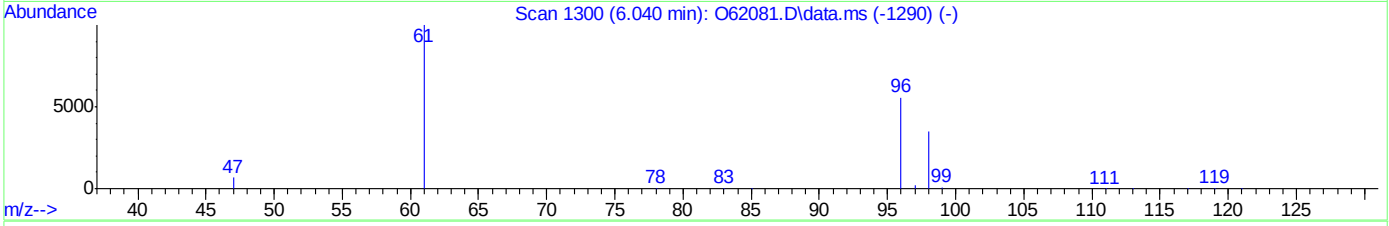
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 8.78ug/L

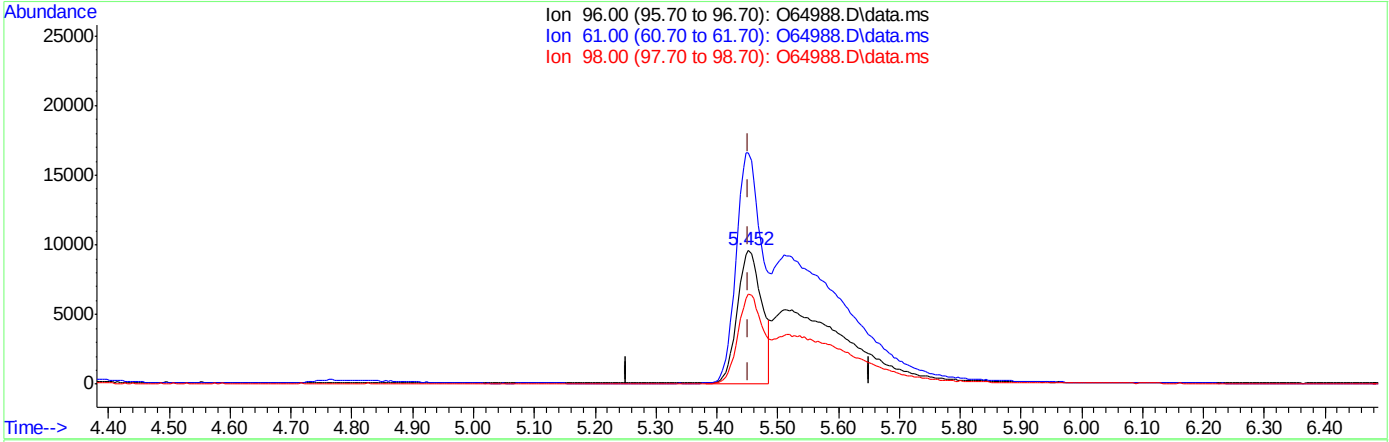
response 64644

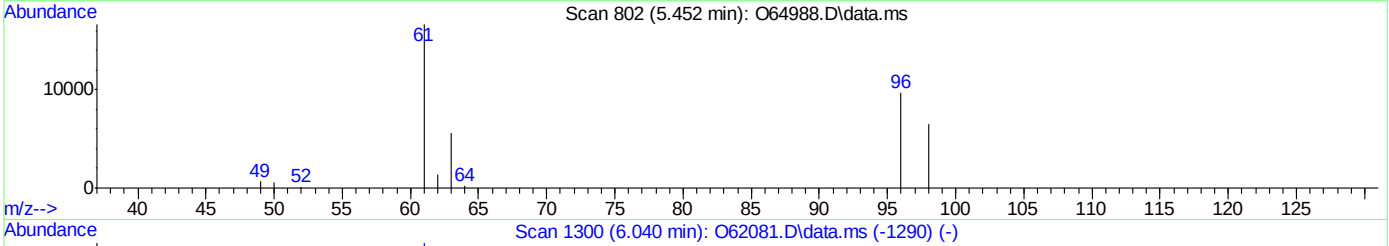
Ion	Exp%	Act%
96.00	100	100
61.00	225.00	173.08#
98.00	62.80	66.99
0.00	0.00	0.00

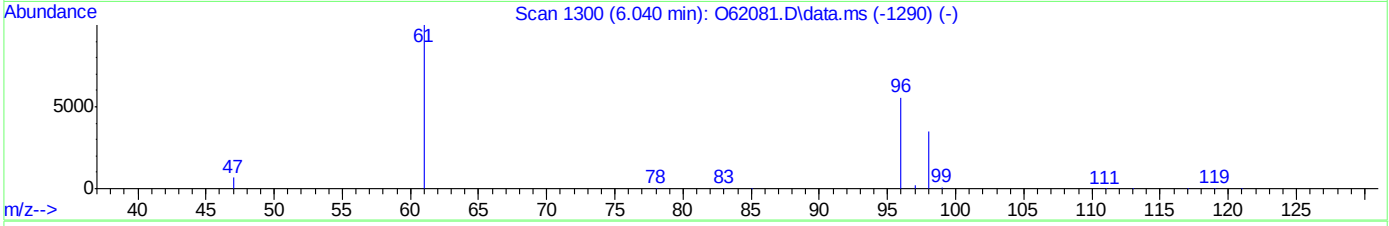
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-04\
Data File : O64988.D
Acq On : 4 Sep 2021 7:26 pm
Operator : CHARLENG
Sample : ECC2546-5 Inst : MSVOA12
Misc : MS49714,VO2547,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 07 07:52:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-03-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration







TIC: O64988.D\data.ms

(8) cis-1,2-Dichloroethene ( )

5.452min (+0.000) 3.63ug/L m

response 26706

Ion	Exp%	Act%
96.00	100	100
61.00	225.00	172.46#
98.00	62.80	67.09
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Sean Pioro
09/08/21 07:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65004.D
Acq On : 7 Sep 2021 11:17 am
Operator : CHARLENG
Sample : IC2549-1 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 13:09:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration

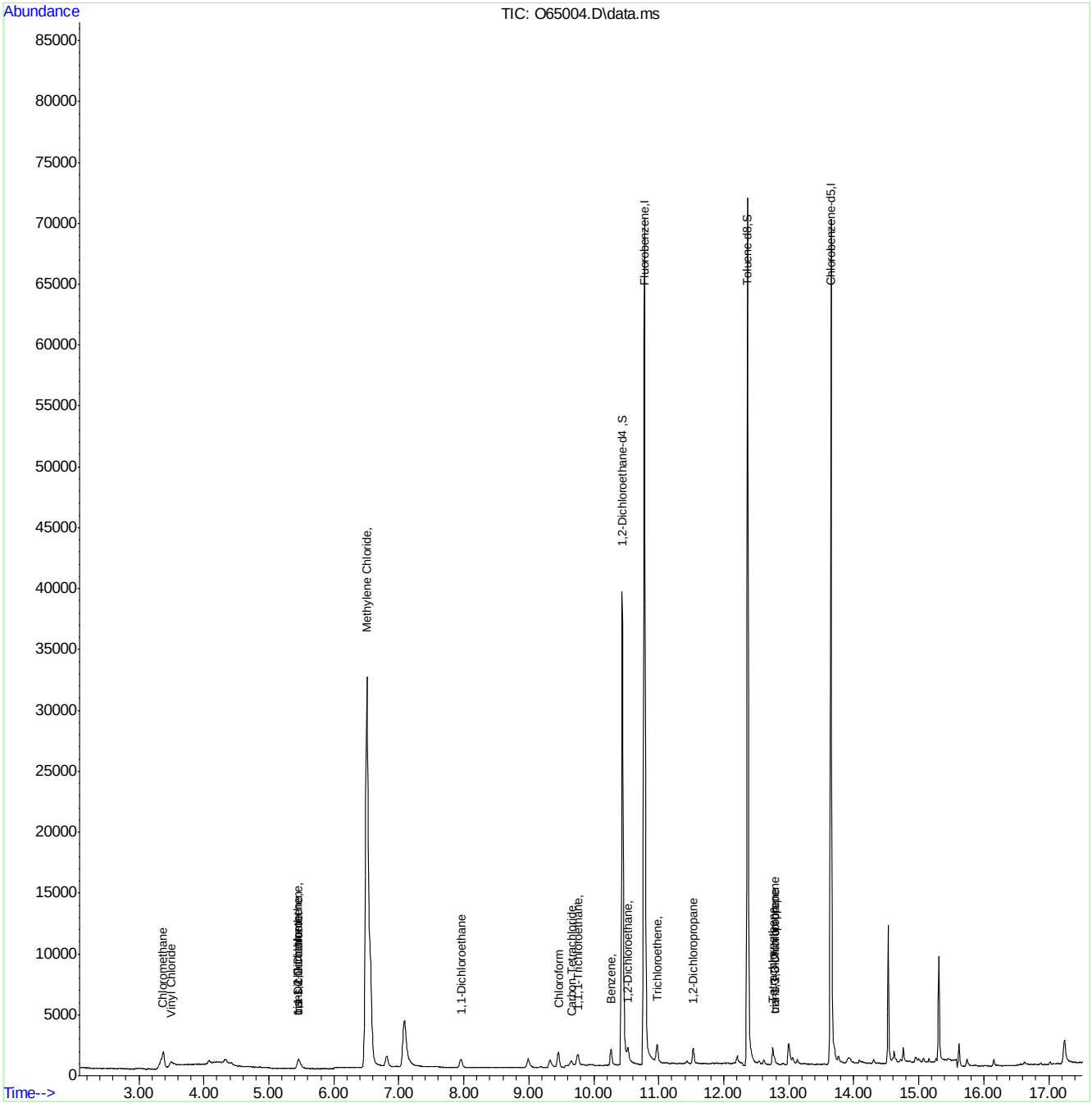
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	82016	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	58227	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	37511	5.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.40%			
19) Toluene-d8	12.367	98	63740	4.98	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	1182	0.12	ug/L	81
3) Chloromethane	3.372	50	4006	0.33	ug/L	84
4) 1,1-Dichloroethene	5.452	61	1183	0.07	ug/L	88
5) Methylene Chloride	6.506	49	42782	0.35	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	1183	0.07	ug/L	82
7) 1,1-Dichloroethane	7.956	63	1206	0.06	ug/L	96
8) cis-1,2-Dichloroethene	5.448	96	698	0.08	ug/L #	67
9) Chloroform	9.456	83	1493m	0.08	ug/L	
10) Carbon Tetrachloride	9.656	117	335	0.03	ug/L	99
11) 1,1,1-Trichloroethane	9.758	97	898	0.06	ug/L	94
12) Benzene	10.267	78	2473	0.07	ug/L	95
14) 1,2-Dichloroethane	10.525	62	1074	0.06	ug/L	92
15) Trichloroethene	10.979	95	688	0.06	ug/L	97
16) 1,2-Dichloropropane	11.531	63	639	0.06	ug/L	86
17) cis-1,3-Dichloropropene	12.780	75	591	0.05	ug/L	83
20) trans-1,3-Dichloropropene	12.780	75	591	0.05	ug/L	81
21) Tetrachloroethene	12.758	166	572	0.06	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65004.D
Acq On : 7 Sep 2021 11:17 am
Operator : CHARLENG
Sample : IC2549-1 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 13:09:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration



Manual Integration Approval Summary

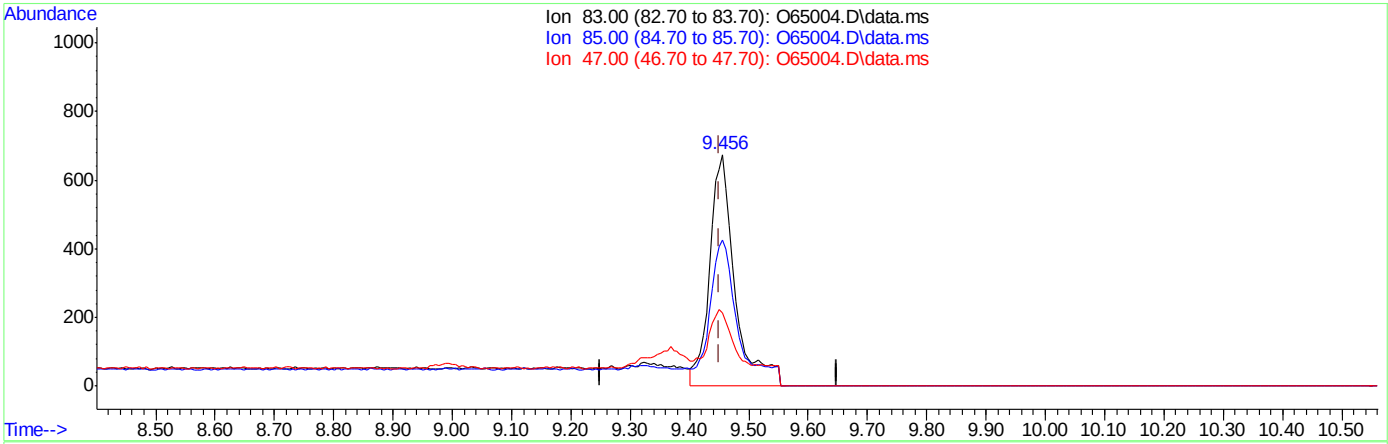
Sample Number: VO2549-IC2549
Lab FileID: O65004.D
Injection Time: 09/07/21 11:17
Method: SW846 8260B BY SIM
Analyst approved: 09/07/21 15:05 Charlene Gonzalez
Supervisor approved: 09/08/21 07:41 Sean Pioro

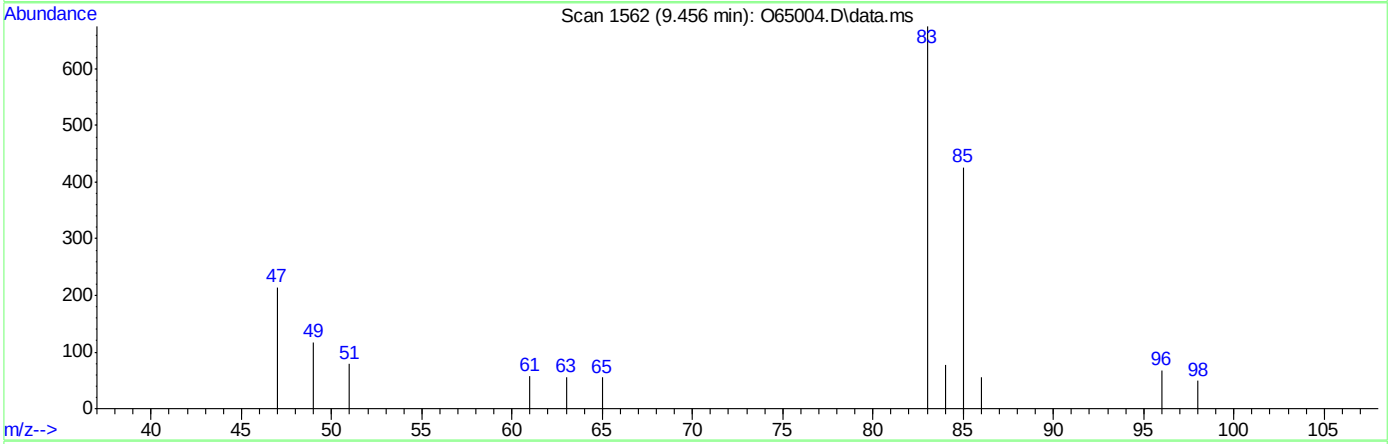
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65004.D
Acq On : 7 Sep 2021 11:17 am
Operator : CHARLENG
Sample : IC2549-1 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 13:08:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O65004.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.10ug/L

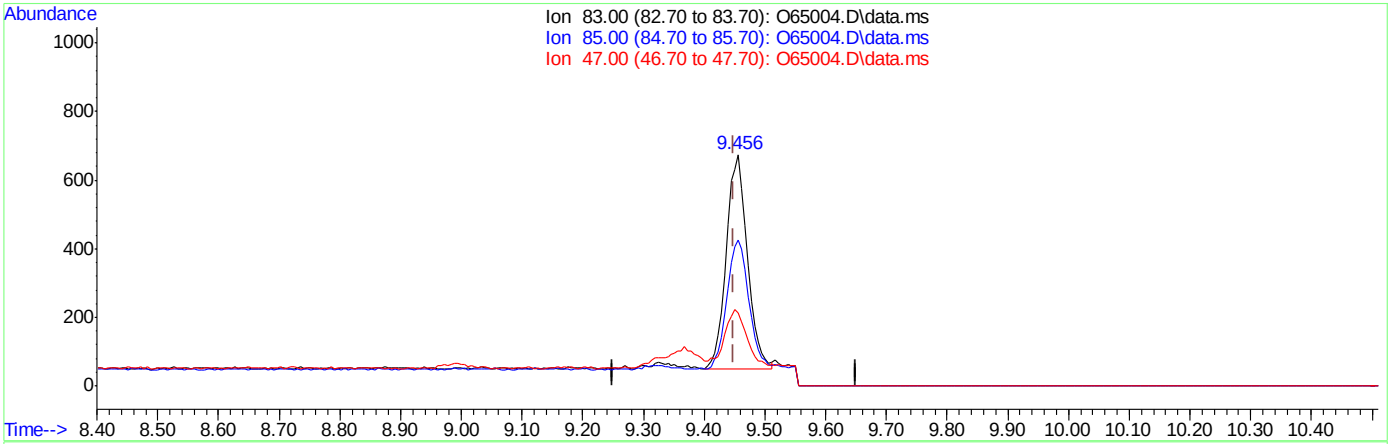
response 1983

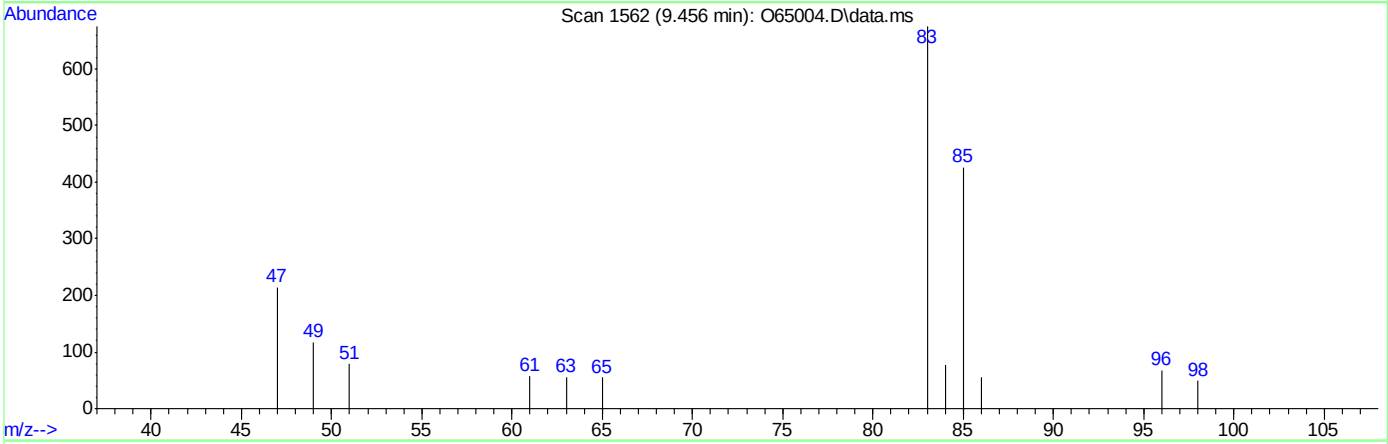
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.11
47.00	35.10	31.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65004.D
Acq On : 7 Sep 2021 11:17 am
Operator : CHARLENG
Sample : IC2549-1 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 13:08:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Sat Sep 04 08:12:11 2021
Response via : Initial Calibration





TIC: O65004.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.08ug/L m

response 1493

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.11
47.00	35.10	31.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 07:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65005.D
Acq On : 7 Sep 2021 11:41 am
Operator : CHARLENG
Sample : IC2549-2 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 13:12:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:12:41 2021
Response via : Initial Calibration

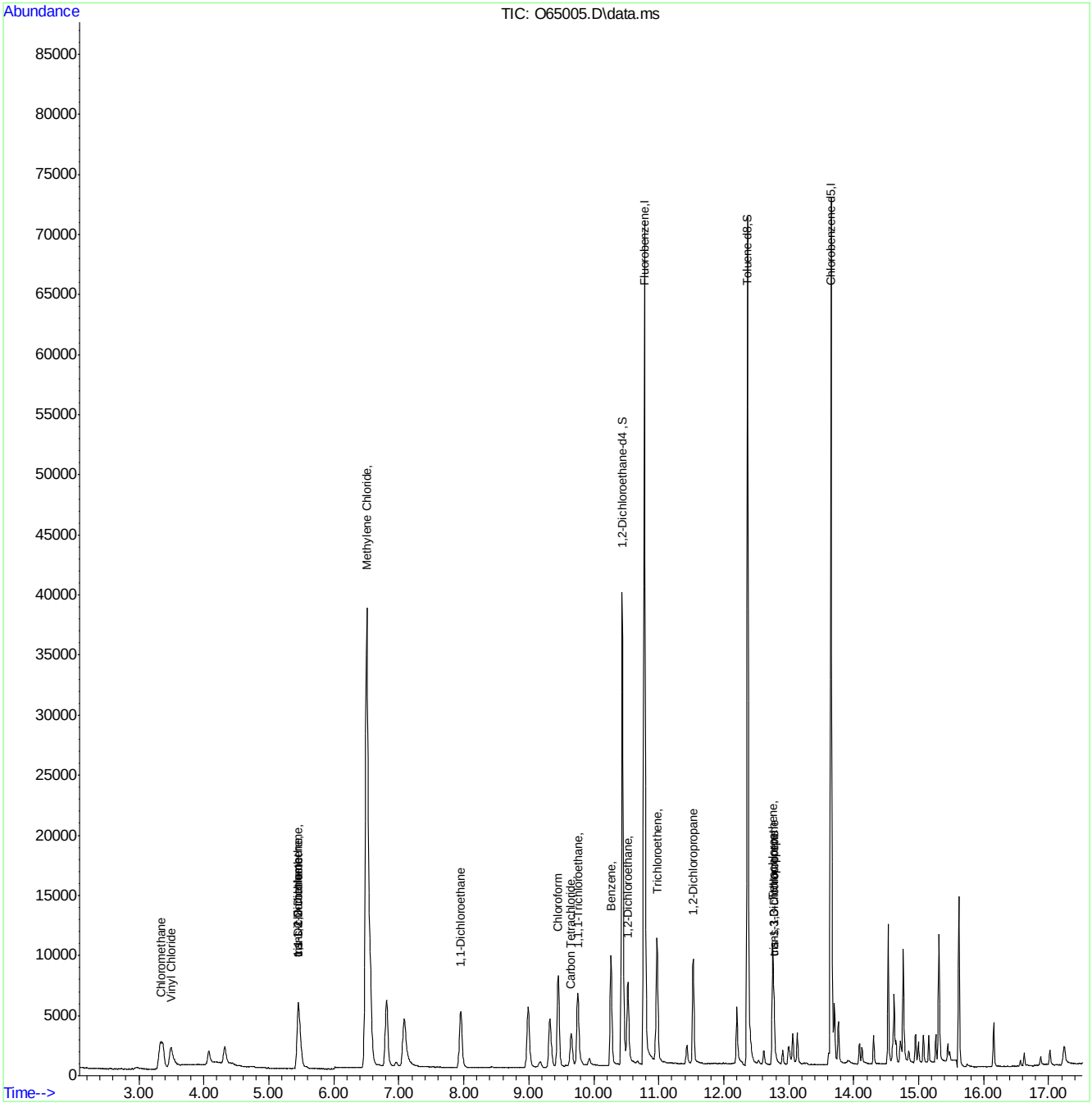
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	82570	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	56479	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	37407	5.36	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.20%				
19) Toluene-d8	12.367	98	63081	5.09	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	4528	0.44	ug/L		97
3) Chloromethane	3.339	50	8420	0.70	ug/L		100
4) 1,1-Dichloroethene	5.452	61	8024	0.53	ug/L		91
5) Methylene Chloride	6.501	49	49384	0.51	ug/L		94
6) trans-1,2-Dichloroethene	5.452	61	8024	0.53	ug/L		84
7) 1,1-Dichloroethane	7.951	63	8387	0.48	ug/L		96
8) cis-1,2-Dichloroethene	5.452	96	4602	0.54	ug/L	#	76
9) Chloroform	9.450	83	9850	0.51	ug/L		93
10) Carbon Tetrachloride	9.650	117	2447m	0.23	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	6015	0.43	ug/L		100
12) Benzene	10.267	78	15299	0.46	ug/L		90
14) 1,2-Dichloroethane	10.525	62	7158	0.47	ug/L		94
15) Trichloroethene	10.974	95	4495	0.44	ug/L		92
16) 1,2-Dichloropropane	11.531	63	4431	0.47	ug/L		89
17) cis-1,3-Dichloropropene	12.774	75	3887	0.36	ug/L		96
20) trans-1,3-Dichloropropene	12.774	75	3887	0.36	ug/L		87
21) Tetrachloroethene	12.752	166	3855	0.48	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65005.D
Acq On : 7 Sep 2021 11:41 am
Operator : CHARLENG
Sample : IC2549-2 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 13:12:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:12:41 2021
Response via : Initial Calibration



Manual Integration Approval Summary

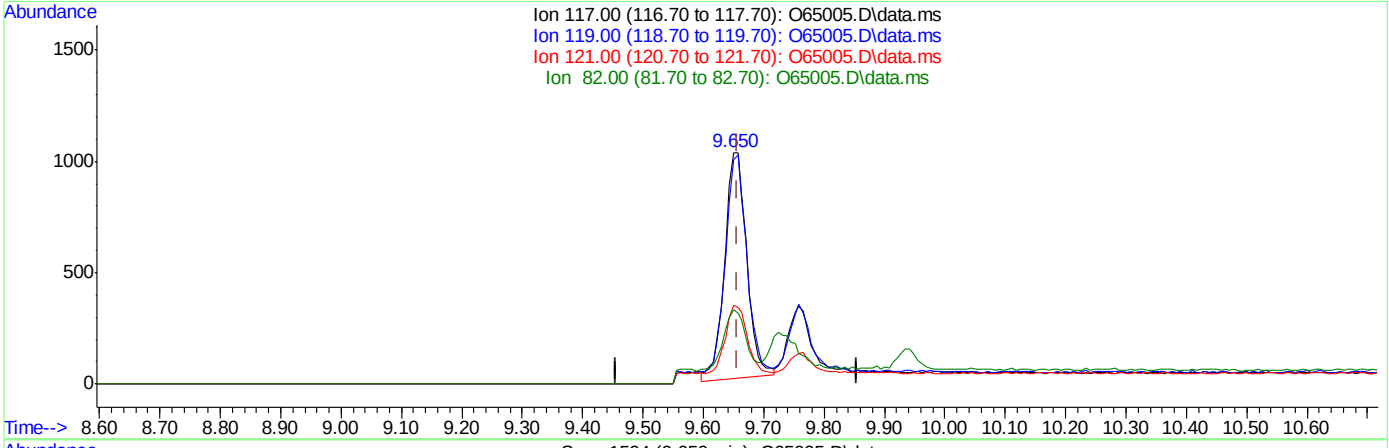
Sample Number:	VO2549-IC2549	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65005.D	**Analyst approved:**	09/07/21 15:05 Charlene Gonzalez
Injection Time:	09/07/21 11:41	**Supervisor approved:**	09/08/21 07:41 Sean Pioro

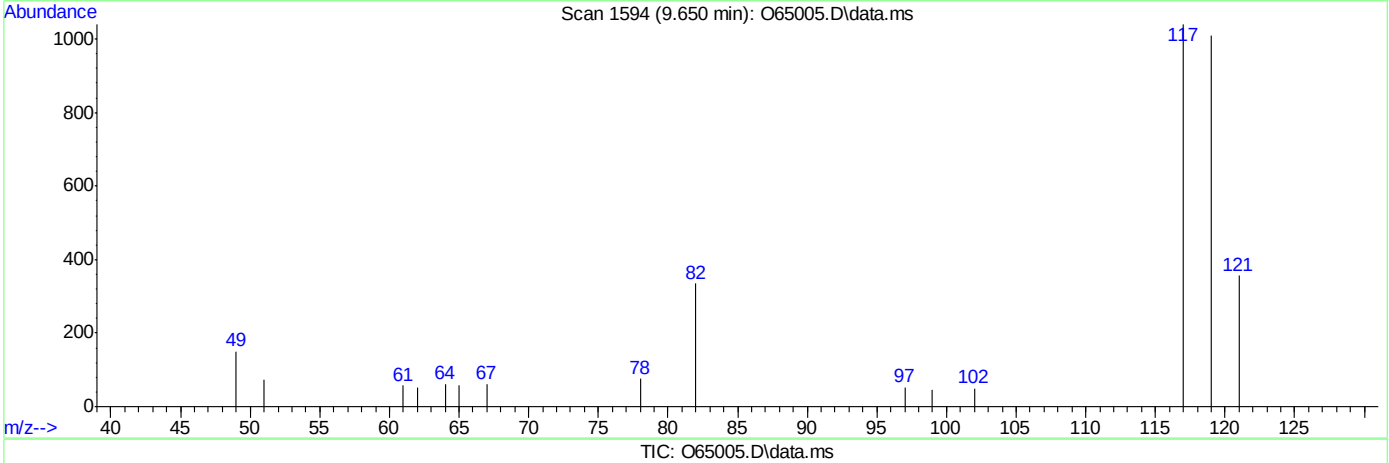
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.65	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65005.D
Acq On : 7 Sep 2021 11:41 am
Operator : CHARLENG
Sample : IC2549-2 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 13:12:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:12:41 2021
Response via : Initial Calibration





TIC: O65005.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.24ug/L

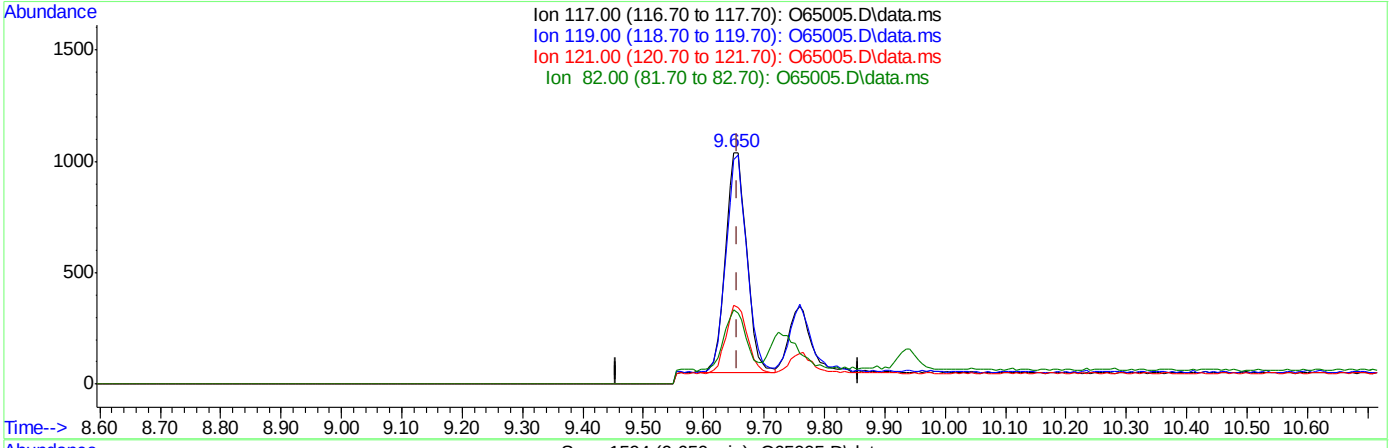
response 2612

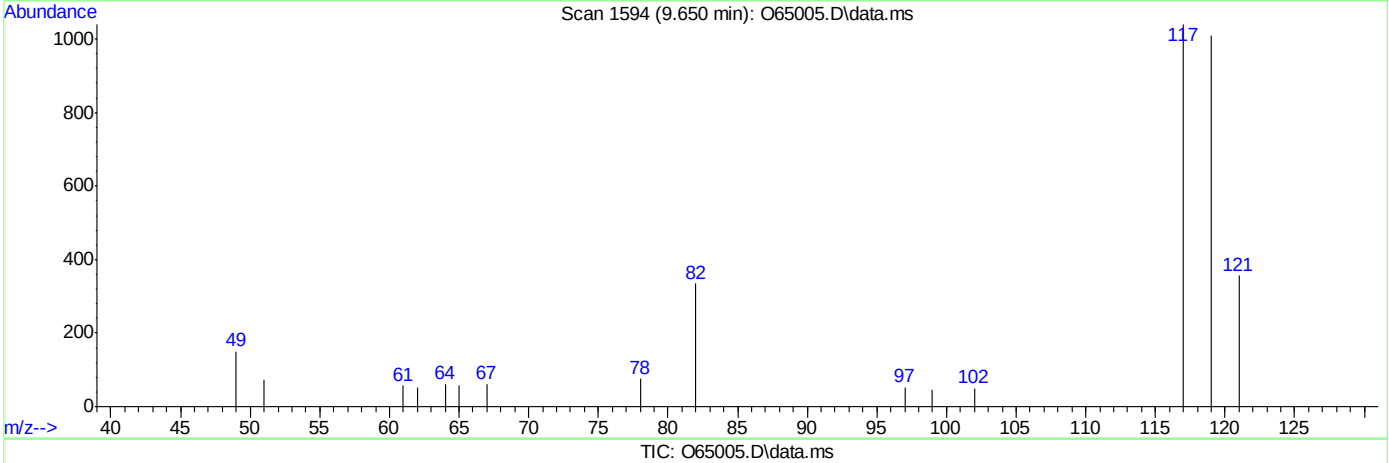
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.06
121.00	31.10	30.91
82.00	24.20	26.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65005.D
Acq On : 7 Sep 2021 11:41 am
Operator : CHARLENG
Sample : IC2549-2 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 13:12:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:12:41 2021
Response via : Initial Calibration





TIC: O65005.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.006) 0.23ug/L m

response 2447

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.02
121.00	31.10	34.23
82.00	24.20	32.21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65006.D
Acq On : 7 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : IC2549-3 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 13:13:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:13:24 2021
Response via : Initial Calibration

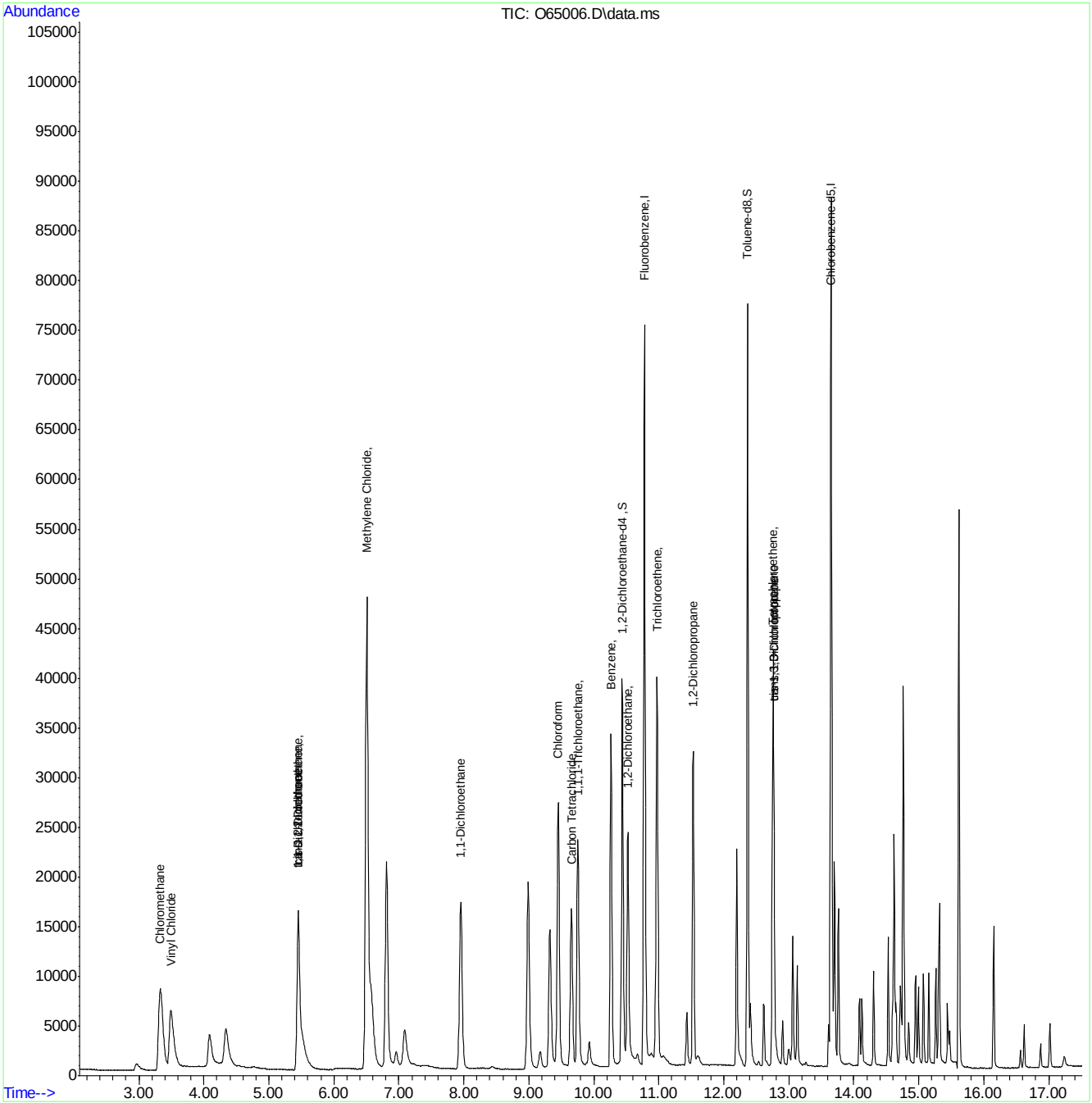
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	87904	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	61691	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	35199	4.76	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 95.20%				
19) Toluene-d8	12.367	98	66991	4.96	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.490	62	19455	1.82	ug/L		98
3) Chloromethane	3.330	50	28669	2.25	ug/L		97
4) 1,1-Dichloroethene	5.448	61	24967	1.59	ug/L		91
5) Methylene Chloride	6.506	49	59814	0.60	ug/L		89
6) trans-1,2-Dichloroethene	5.448	61	24967	1.59	ug/L		84
7) 1,1-Dichloroethane	7.951	63	29221	1.64	ug/L		98
8) cis-1,2-Dichloroethene	5.452	96	14273	1.59	ug/L	#	74
9) Chloroform	9.450	83	32690	1.59	ug/L		94
10) Carbon Tetrachloride	9.656	117	14486	1.44	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	21725	1.54	ug/L		98
12) Benzene	10.267	78	53329	1.55	ug/L		91
14) 1,2-Dichloroethane	10.525	62	24446	1.56	ug/L		94
15) Trichloroethene	10.974	95	17150	1.66	ug/L		93
16) 1,2-Dichloropropane	11.531	63	15172	1.57	ug/L		89
17) cis-1,3-Dichloropropene	12.769	75	18436	1.68	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	18436	1.65	ug/L		88
21) Tetrachloroethene	12.752	166	14104	1.67	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65006.D
Acq On : 7 Sep 2021 12:04 pm
Operator : CHARLENG
Sample : IC2549-3 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 13:13:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:13:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65007.D
Acq On : 7 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : IC2549-4 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 13:13:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:13:45 2021
Response via : Initial Calibration

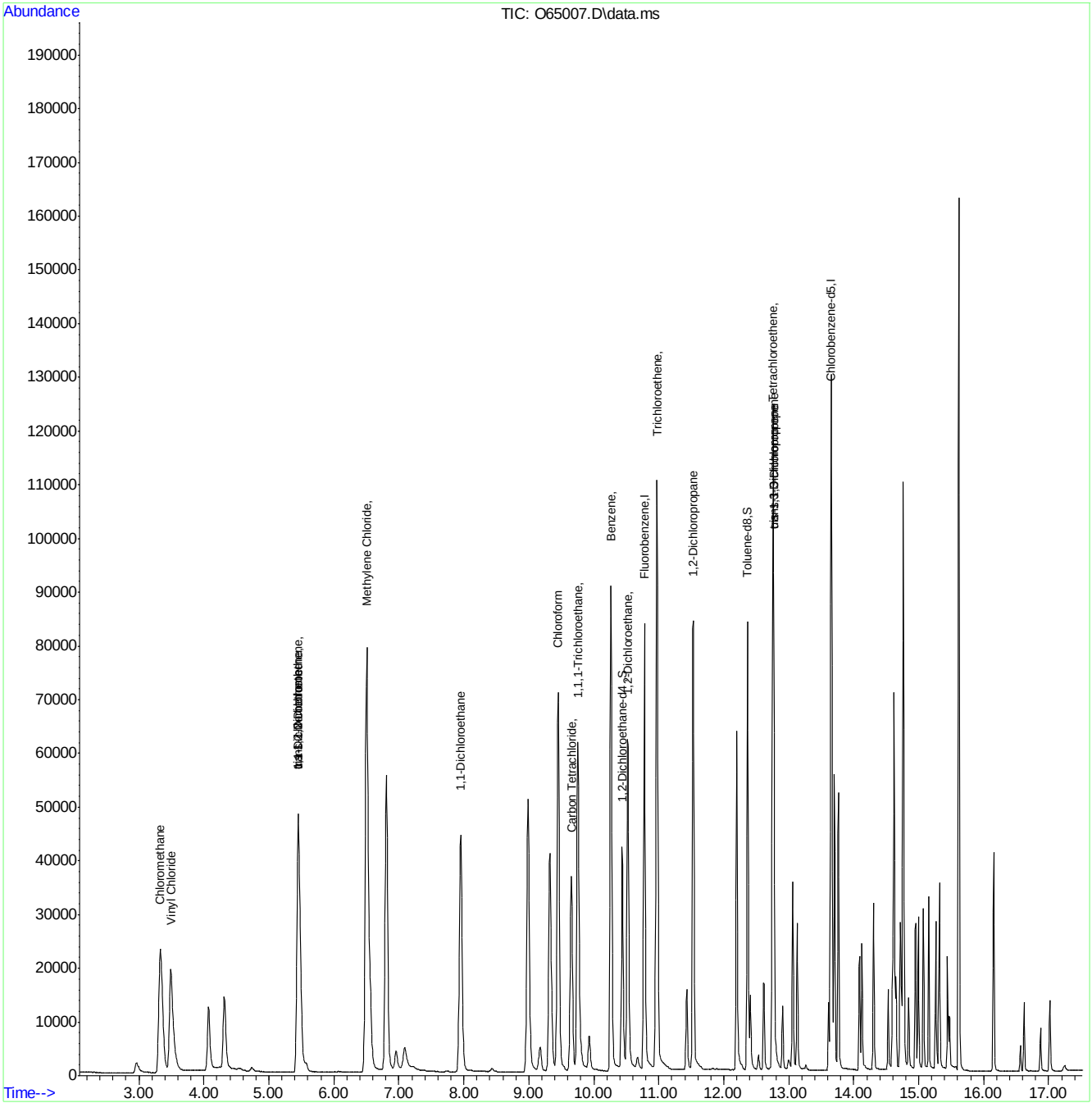
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	96103	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	67813	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	37363	4.68	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.60%				
19) Toluene-d8	12.367	98	72309	4.88	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.490	62	54121	4.66	ug/L		99
3) Chloromethane	3.331	50	69407	5.01	ug/L		98
4) 1,1-Dichloroethene	5.452	61	70866	4.20	ug/L		92
5) Methylene Chloride	6.501	49	100401	0.95	ug/L		93
6) trans-1,2-Dichloroethene	5.452	61	70866	4.20	ug/L		86
7) 1,1-Dichloroethane	7.951	63	77902	4.13	ug/L		96
8) cis-1,2-Dichloroethene	5.452	96	40361	4.19	ug/L	#	75
9) Chloroform	9.451	83	85694	3.88	ug/L		94
10) Carbon Tetrachloride	9.657	117	33569	3.25	ug/L		99
11) 1,1,1-Trichloroethane	9.758	97	62248	4.19	ug/L		99
12) Benzene	10.268	78	149514	4.10	ug/L		90
14) 1,2-Dichloroethane	10.519	62	66901	4.10	ug/L		92
15) Trichloroethene	10.974	95	46223	4.18	ug/L		94
16) 1,2-Dichloropropane	11.531	63	42294	4.16	ug/L		89
17) cis-1,3-Dichloropropene	12.769	75	50973	4.33	ug/L		97
20) trans-1,3-Dichloropropene	12.769	75	50973	4.25	ug/L		88
21) Tetrachloroethene	12.752	166	38532	4.24	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65007.D
Acq On : 7 Sep 2021 12:27 pm
Operator : CHARLENG
Sample : IC2549-4 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 13:13:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:13:45 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65008.D
Acq On : 7 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : ICC2549-5 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 13:14:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:14:04 2021
Response via : Initial Calibration

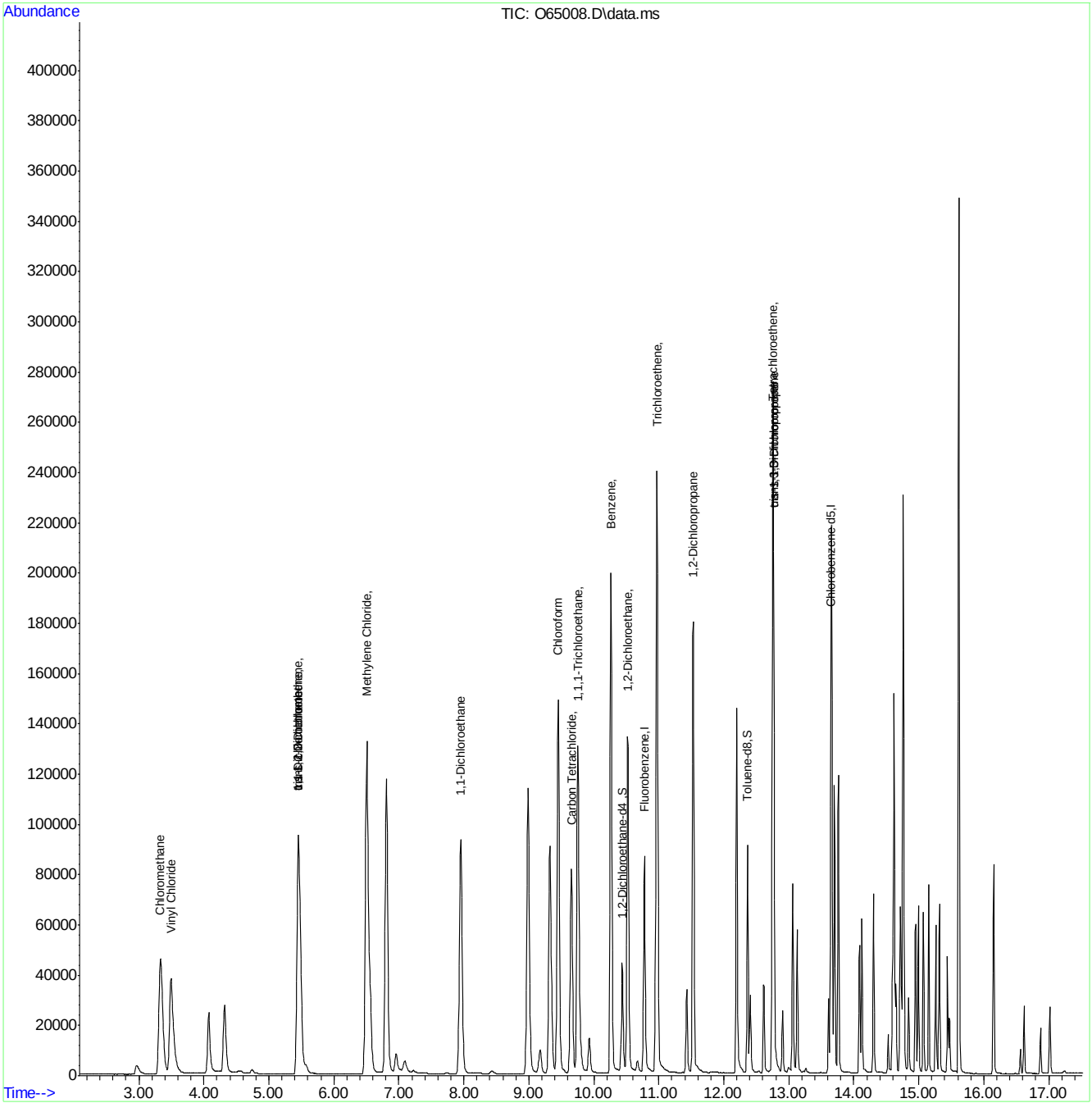
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	99894	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	71420	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	38025	4.61	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.20%				
19) Toluene-d8	12.367	98	76281	4.89	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	109191	9.17	ug/L		98
3) Chloromethane	3.330	50	135104	9.65	ug/L		97
4) 1,1-Dichloroethene	5.452	61	150957	8.85	ug/L		92
5) Methylene Chloride	6.506	49	173702	1.60	ug/L		90
6) trans-1,2-Dichloroethene	5.452	61	150957	8.85	ug/L		85
7) 1,1-Dichloroethane	7.951	63	163770	8.68	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	85844	8.80	ug/L	#	76
9) Chloroform	9.450	83	179191	8.24	ug/L		93
10) Carbon Tetrachloride	9.656	117	74309	7.65	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	132664	8.96	ug/L		99
12) Benzene	10.267	78	322263	8.82	ug/L		90
14) 1,2-Dichloroethane	10.518	62	140743	8.65	ug/L		92
15) Trichloroethene	10.974	95	98947	8.93	ug/L		94
16) 1,2-Dichloropropane	11.531	63	90491	8.87	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	112662	9.47	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	112662	9.22	ug/L		87
21) Tetrachloroethene	12.752	166	81249	8.78	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65008.D
Acq On : 7 Sep 2021 12:49 pm
Operator : CHARLENG
Sample : ICC2549-5 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 13:14:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:14:04 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 14:57:37 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65009.D
Acq On : 7 Sep 2021 1:12 pm
Operator : CHARLENG
Sample : IC2549-6 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 13:30:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:14:21 2021
Response via : Initial Calibration

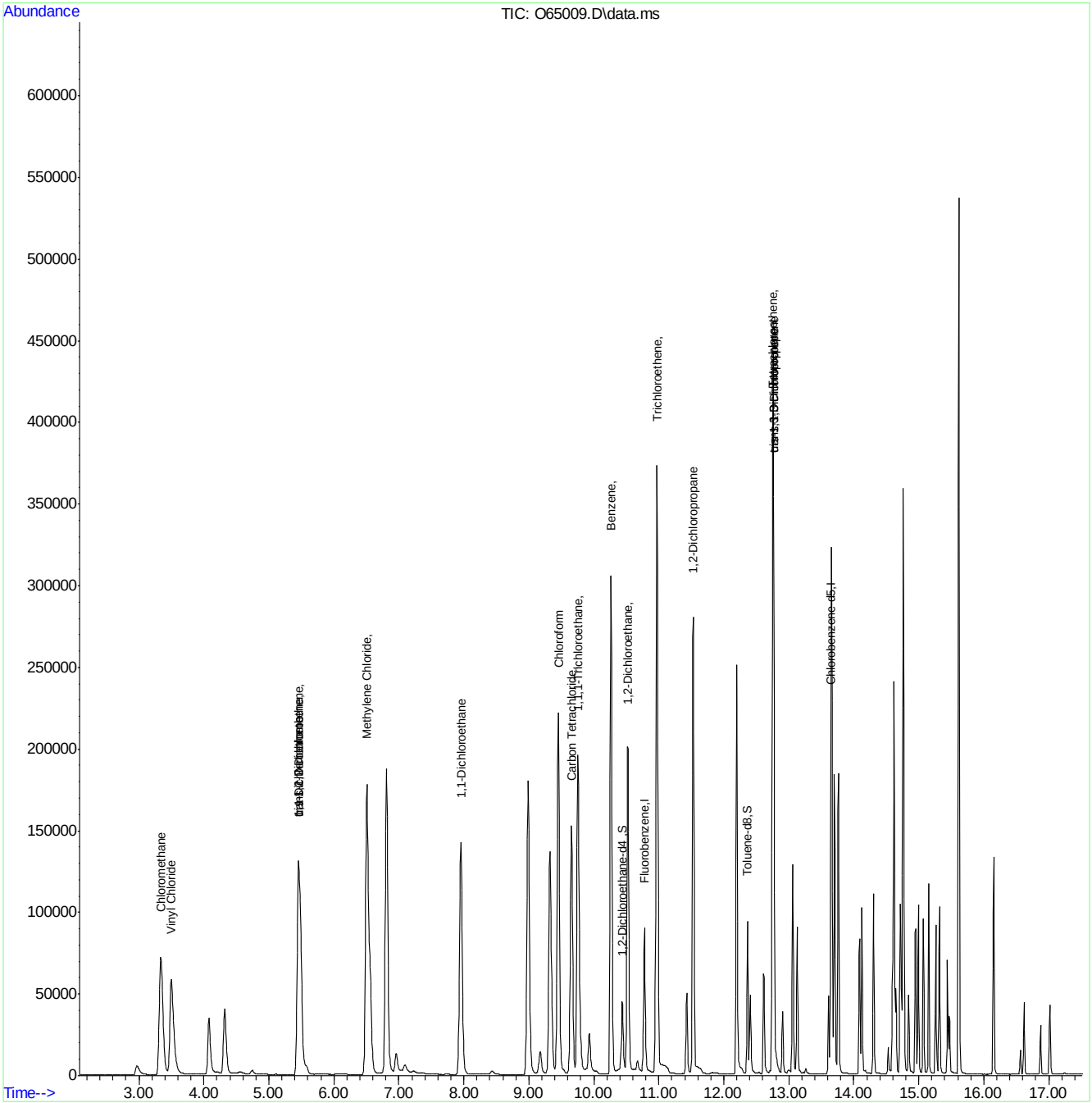
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	101385	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	73249	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	37464	4.51	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.20%				
19) Toluene-d8	12.367	98	79155	4.95	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	165408	13.81	ug/L		100
3) Chloromethane	3.335	50	204568	14.60	ug/L		97
4) 1,1-Dichloroethene	5.456	61	224690	13.36	ug/L		92
5) Methylene Chloride	6.506	49	247138	2.26	ug/L		92
6) trans-1,2-Dichloroethene	5.456	61	224690	13.36	ug/L		86
7) 1,1-Dichloroethane	7.956	63	247846	13.44	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	127789	13.28	ug/L	#	76
9) Chloroform	9.456	83	263350	12.62	ug/L		93
10) Carbon Tetrachloride	9.656	117	136815	15.36	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	197832	13.72	ug/L		99
12) Benzene	10.267	78	480425	13.45	ug/L		92
14) 1,2-Dichloroethane	10.525	62	209656	13.21	ug/L		93
15) Trichloroethene	10.974	95	153876	14.22	ug/L		94
16) 1,2-Dichloropropane	11.531	63	140585	14.07	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	195099	16.78	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	195099	16.26	ug/L		87
21) Tetrachloroethene	12.752	166	123692	13.52	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65009.D
Acq On : 7 Sep 2021 1:12 pm
Operator : CHARLENG
Sample : IC2549-6 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 07 13:30:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:14:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65010.D
Acq On : 7 Sep 2021 1:35 pm
Operator : CHARLENG
Sample : IC2549-7 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:57:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:30:42 2021
Response via : Initial Calibration

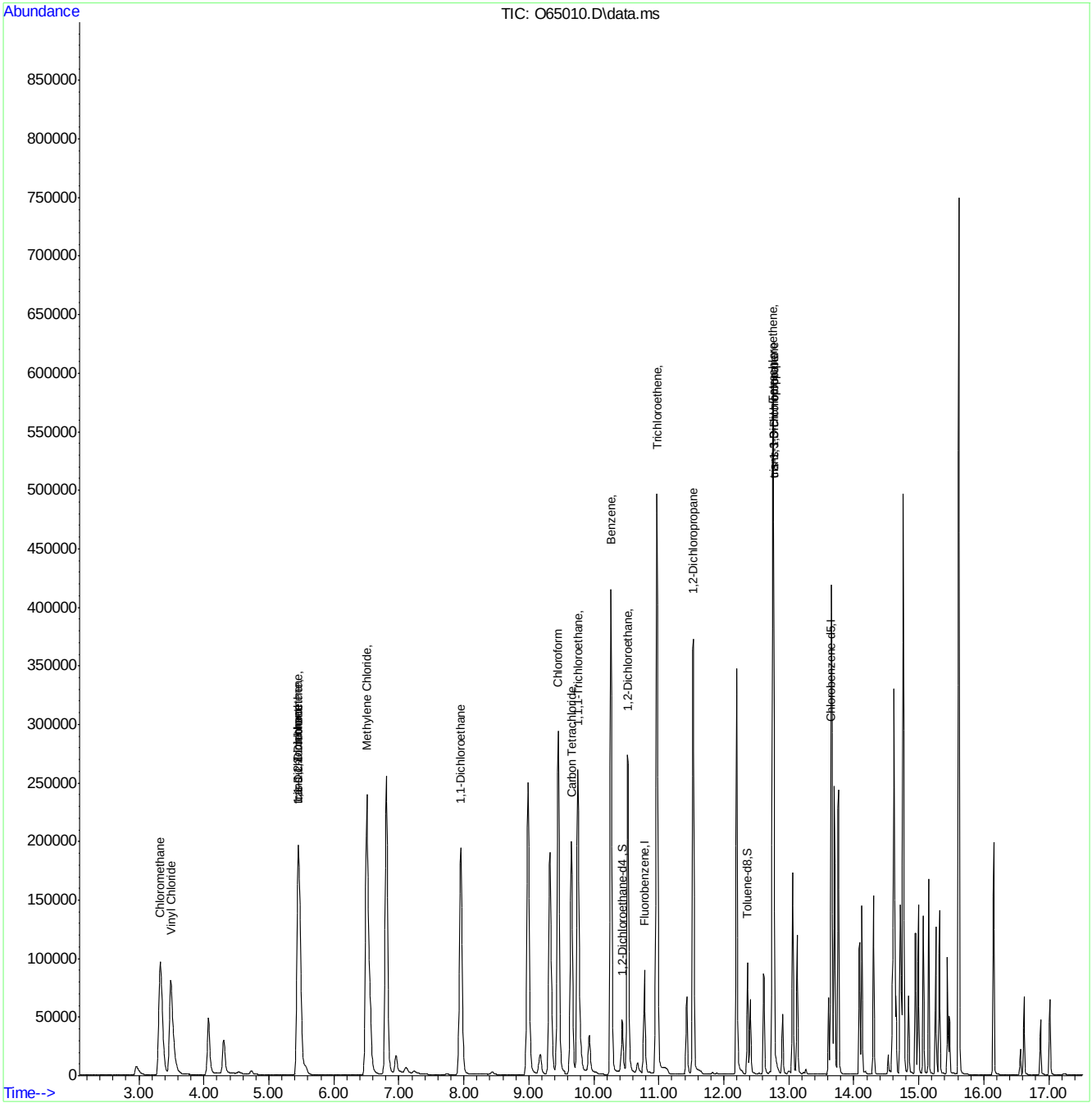
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	101613	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	73165	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	38429	4.66	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.20%				
19) Toluene-d8	12.367	98	80127	5.03	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.490	62	225363	19.05	ug/L		99
3) Chloromethane	3.330	50	272016	19.71	ug/L		97
4) 1,1-Dichloroethene	5.448	61	307408	18.96	ug/L		91
5) Methylene Chloride	6.506	49	314146	2.88	ug/L		91
6) trans-1,2-Dichloroethene	5.448	61	307408	18.96	ug/L		85
7) 1,1-Dichloroethane	7.951	63	332604	18.80	ug/L		96
8) cis-1,2-Dichloroethene	5.452	96	174924	18.84	ug/L	#	75
9) Chloroform	9.450	83	349194	16.96	ug/L		93
10) Carbon Tetrachloride	9.657	117	180583	22.28	ug/L		98
11) 1,1,1-Trichloroethane	9.758	97	265762	19.33	ug/L		99
12) Benzene	10.267	78	661776	19.39	ug/L		90
14) 1,2-Dichloroethane	10.518	62	282397	18.61	ug/L		91
15) Trichloroethene	10.974	95	206774	19.89	ug/L		95
16) 1,2-Dichloropropane	11.531	63	187548	19.51	ug/L		92
17) cis-1,3-Dichloropropene	12.769	75	263283	23.36	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	263283	22.87	ug/L		87
21) Tetrachloroethene	12.752	166	164659	18.82	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65010.D
Acq On : 7 Sep 2021 1:35 pm
Operator : CHARLENG
Sample : IC2549-7 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:57:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 13:30:42 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 14:57:41 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65012.D
Acq On : 7 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : ICV2549-5 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 16:22:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

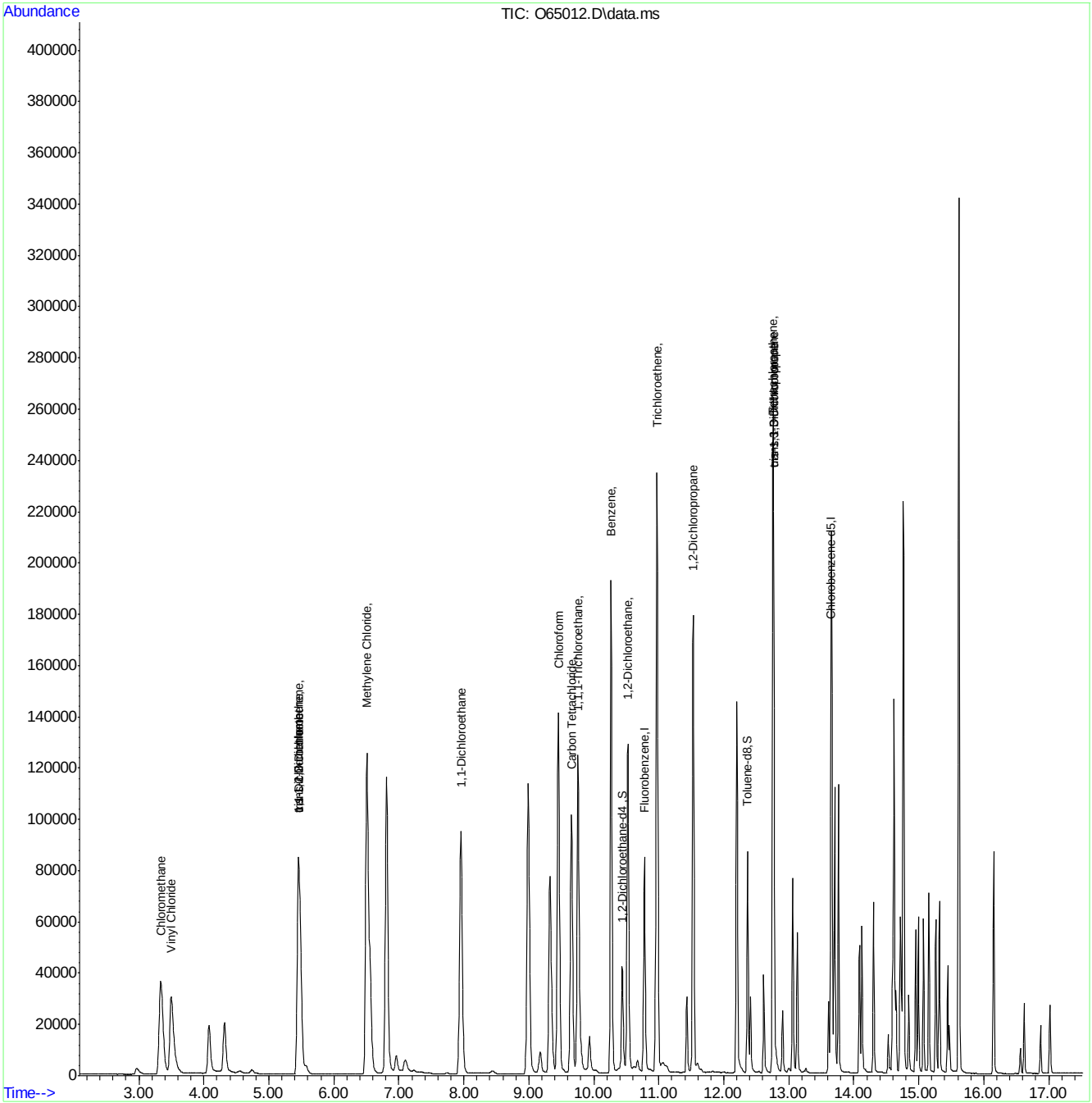
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	96220	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	69035	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	36081	4.64	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 92.80%				
19) Toluene-d8	12.367	98	74180	4.94	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.499	62	88710	8.43	ug/L		98
3) Chloromethane	3.335	50	111364	8.36	ug/L		97
4) 1,1-Dichloroethene	5.456	61	139267	9.40	ug/L		91
5) Methylene Chloride	6.506	49	166906	10.69	ug/L		93
6) trans-1,2-Dichloroethene	5.456	61	139267	9.40	ug/L		85
7) 1,1-Dichloroethane	7.956	63	163267	10.16	ug/L		97
8) cis-1,2-Dichloroethene	5.456	96	79041	9.31	ug/L	#	77
9) Chloroform	9.456	83	166040	9.23	ug/L		93
10) Carbon Tetrachloride	9.657	117	90859	11.63	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	124001	10.00	ug/L		99
12) Benzene	10.267	78	300163	9.70	ug/L		91
14) 1,2-Dichloroethane	10.525	62	130519	9.49	ug/L		93
15) Trichloroethene	10.974	95	93921	9.92	ug/L		94
16) 1,2-Dichloropropane	11.531	63	85163	9.76	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	121486	10.73	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	121486	10.72	ug/L		87
21) Tetrachloroethene	12.752	166	76522	9.68	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65012.D
Acq On : 7 Sep 2021 2:23 pm
Operator : CHARLENG
Sample : ICV2549-5 Inst : MSVOA12
Misc : MS49714,VO2549,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 07 16:22:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 16:23:51 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65015.D
Acq On : 7 Sep 2021 3:32 pm
Operator : CHARLENG
Sample : CC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 16:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

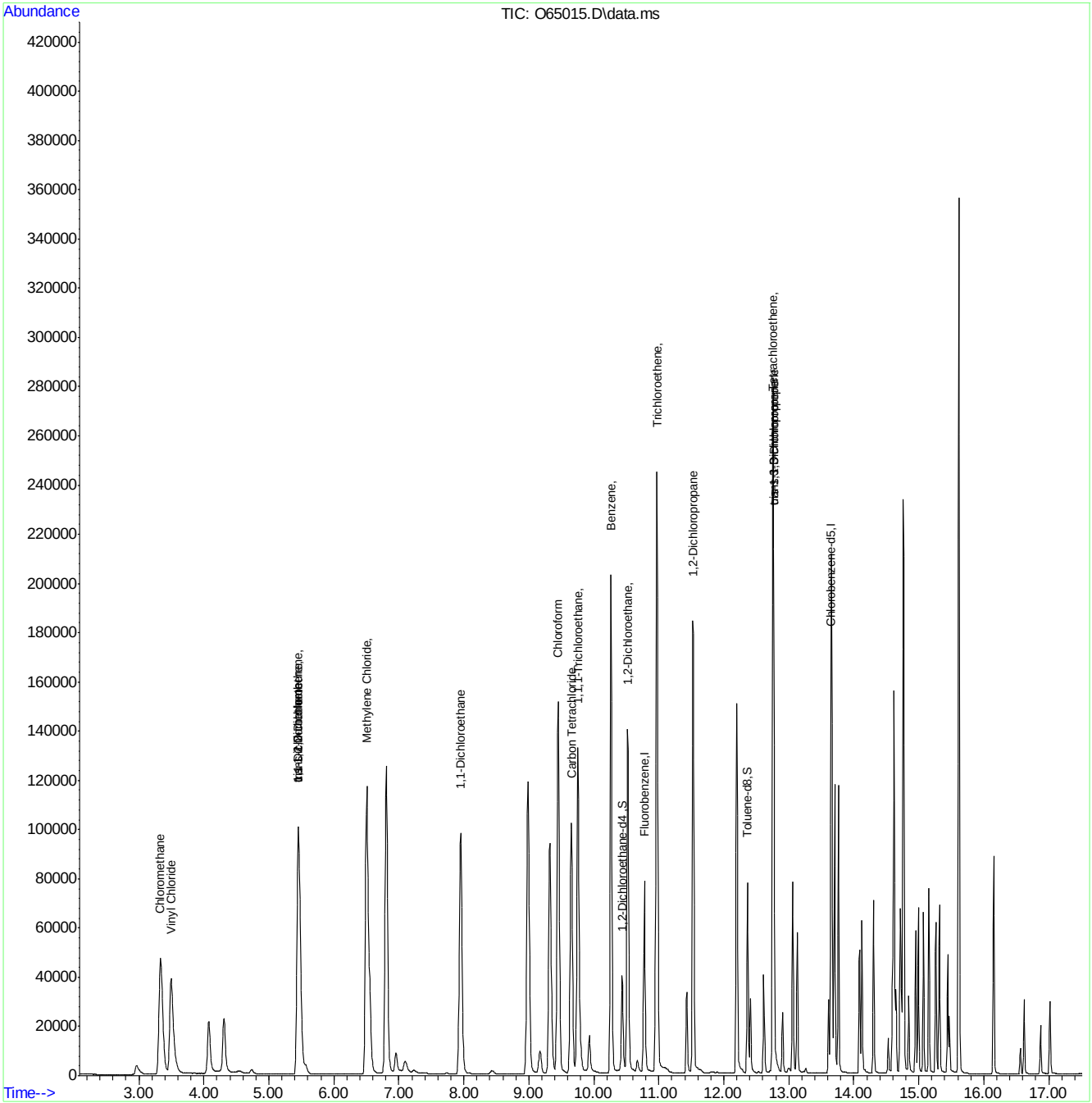
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	88575	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	62534	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	34033	4.76	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 95.20%				
19) Toluene-d8	12.367	98	67177	4.94	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	108020	11.13	ug/L		98
3) Chloromethane	3.330	50	134942	11.10	ug/L		98
4) 1,1-Dichloroethene	5.452	61	151830	11.13	ug/L		92
5) Methylene Chloride	6.501	49	150320	10.46	ug/L		94
6) trans-1,2-Dichloroethene	5.452	61	151830	11.13	ug/L		86
7) 1,1-Dichloroethane	7.951	63	166402	11.25	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	86307	11.04	ug/L	#	76
9) Chloroform	9.450	83	177563	10.72	ug/L		93
10) Carbon Tetrachloride	9.657	117	93389	12.79	ug/L		97
11) 1,1,1-Trichloroethane	9.758	97	135461	11.87	ug/L		99
12) Benzene	10.267	78	326740	11.47	ug/L		90
14) 1,2-Dichloroethane	10.519	62	141125	11.15	ug/L		92
15) Trichloroethene	10.974	95	101149	11.61	ug/L		95
16) 1,2-Dichloropropane	11.525	63	91072	11.34	ug/L		91
17) cis-1,3-Dichloropropene	12.769	75	119761	11.40	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	119761	11.56	ug/L		87
21) Tetrachloroethene	12.752	166	81177	11.34	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65015.D
Acq On : 7 Sep 2021 3:32 pm
Operator : CHARLENG
Sample : CC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 16:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65041.D
Acq On : 8 Sep 2021 1:29 am
Operator : CHARLENG
Sample : ECC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 08 07:34:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

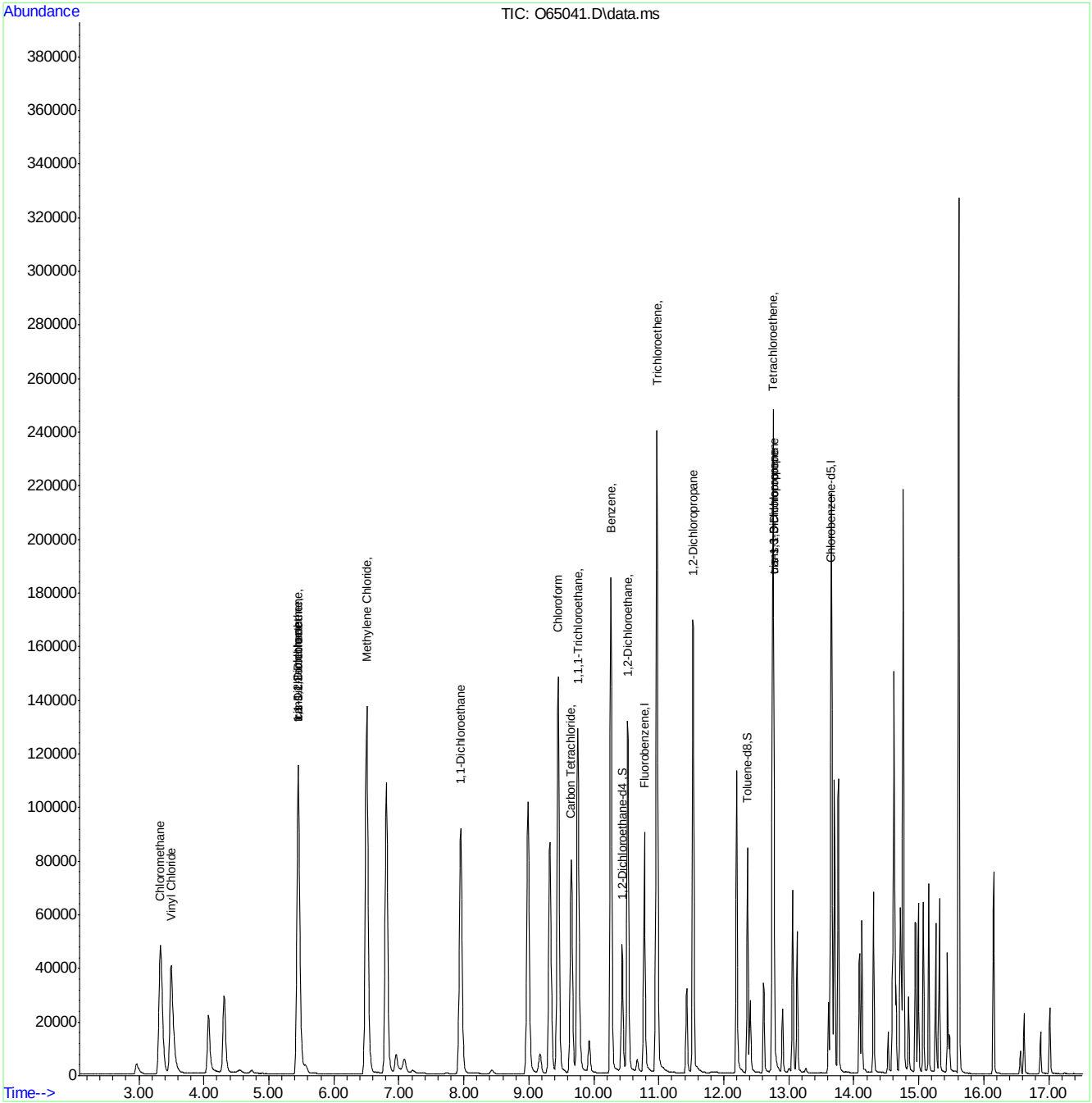
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	102191	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	76712	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	41697	5.05	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.00%				
19) Toluene-d8	12.367	98	73142	4.39	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 87.80%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	103356	9.24	ug/L		100
3) Chloromethane	3.330	50	126420	8.95	ug/L		97
4) 1,1-Dichloroethene	5.448	61	142961	9.08	ug/L		92
5) Methylene Chloride	6.501	49	147443	8.89	ug/L		92
6) trans-1,2-Dichloroethene	5.448	61	142961	9.08	ug/L		85
7) 1,1-Dichloroethane	7.951	63	159581	9.35	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	82752	9.18	ug/L	#	74
9) Chloroform	9.450	83	175687	9.19	ug/L		94
10) Carbon Tetrachloride	9.650	117	74574	9.28	ug/L		95
11) 1,1,1-Trichloroethane	9.758	97	129397	9.83	ug/L		99
12) Benzene	10.267	78	300922	9.16	ug/L		90
14) 1,2-Dichloroethane	10.518	62	134644	9.22	ug/L		91
15) Trichloroethene	10.974	95	98686	9.82	ug/L		95
16) 1,2-Dichloropropane	11.525	63	83797	9.04	ug/L		90
17) cis-1,3-Dichloropropene	12.769	75	93253	8.02	ug/L		98
20) trans-1,3-Dichloropropene	12.769	75	93253	7.67	ug/L		86
21) Tetrachloroethene	12.752	166	76263	8.68	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-07\
Data File : O65041.D
Acq On : 8 Sep 2021 1:29 am
Operator : CHARLENG
Sample : ECC2549-5 Inst : MSVOA12
Misc : MS49714,VO2550,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 08 07:34:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration

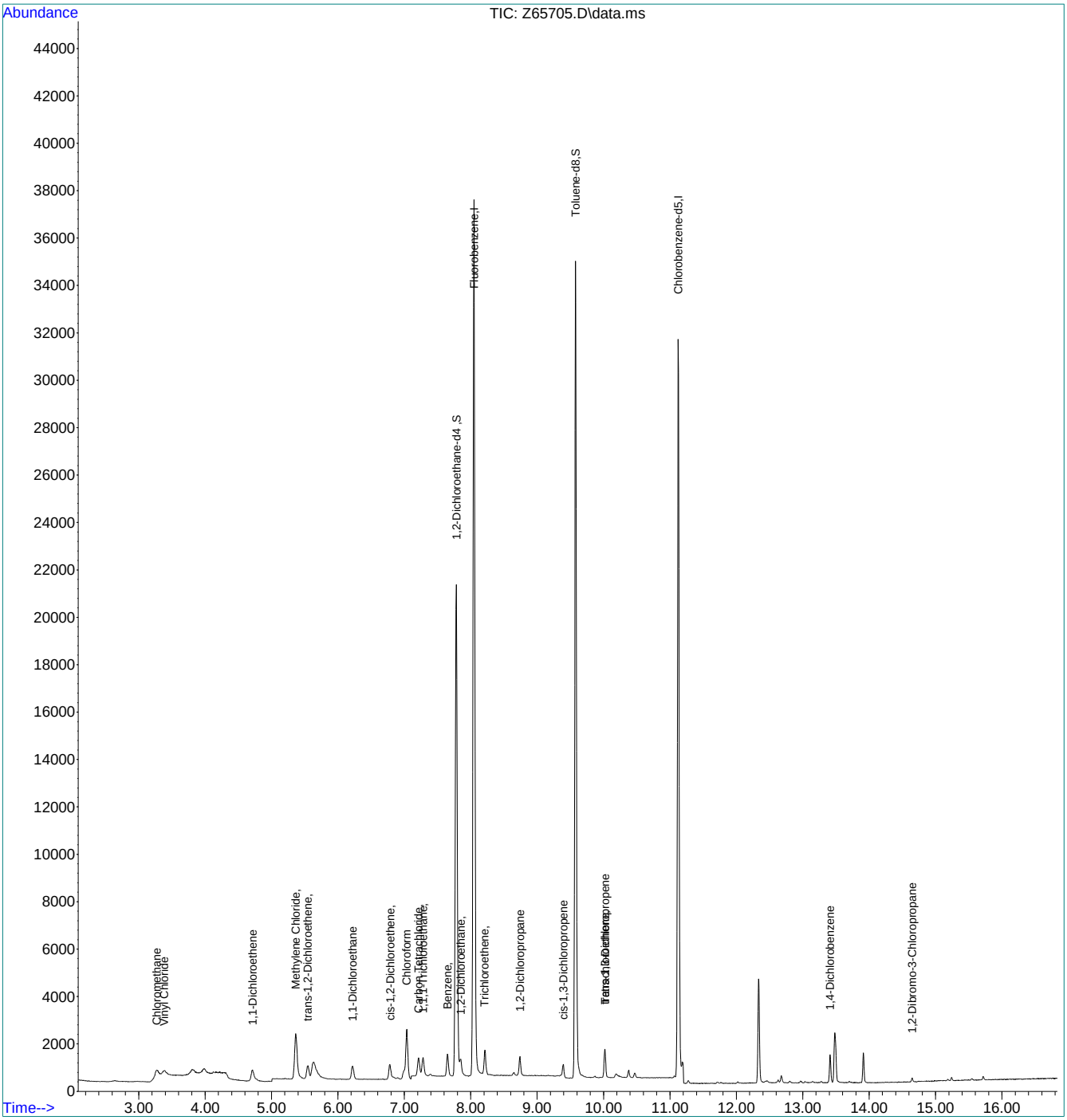
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	43726	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	31803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20759	7.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery =	145.80%#		
19) Toluene-d8	9.576	98	35071	5.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery =	106.60%		
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	775	0.10	ug/L	82
3) Chloromethane	3.272	50	1572m	0.22	ug/L	
4) 1,1-Dichloroethene	4.713	61	613	0.11	ug/L	92
5) Methylene Chloride	5.364	49	1910	0.30	ug/L #	59
6) trans-1,2-Dichloroethene	5.545	61	595	0.11	ug/L	80
7) 1,1-Dichloroethane	6.221	63	822	0.12	ug/L	97
8) cis-1,2-Dichloroethene	6.786	96	444	0.10	ug/L #	72
9) Chloroform	7.034	83	2250m	0.23	ug/L	
10) Carbon Tetrachloride	7.213	117	596m	0.12	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	693m	0.11	ug/L	
12) Benzene	7.648	78	1552	0.10	ug/L	80
14) 1,2-Dichloroethane	7.851	62	642	0.13	ug/L	84
15) Trichloroethene	8.208	95	408	0.10	ug/L	94
16) 1,2-Dichloropropane	8.742	63	404	0.12	ug/L	89
17) cis-1,3-Dichloropropene	9.394	75	452	0.10	ug/L #	71
20) trans-1,3-Dichloropropene	10.022	75	376	0.10	ug/L #	69
21) Tetrachloroethene	10.022	166	389	0.10	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	766m	0.10	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	88m	0.19	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration



Manual Integration Approval Summary

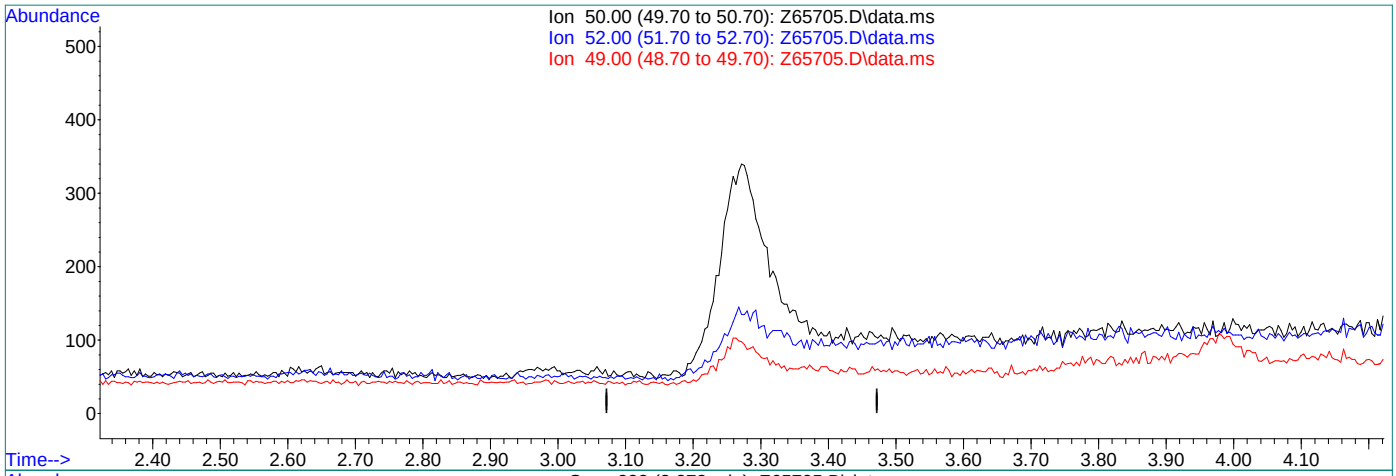
Sample Number: VZ2584-IC2584
Lab FileID: Z65705.D
Injection Time: 09/02/21 14:48
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

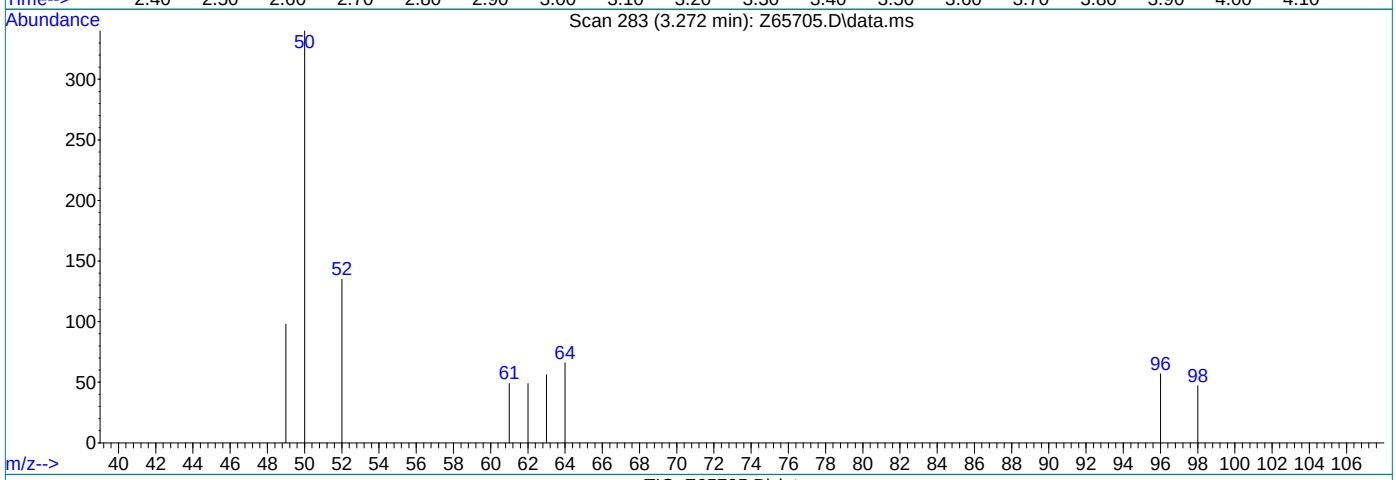
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.27	Missed peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-3.272) 0.00ug/L

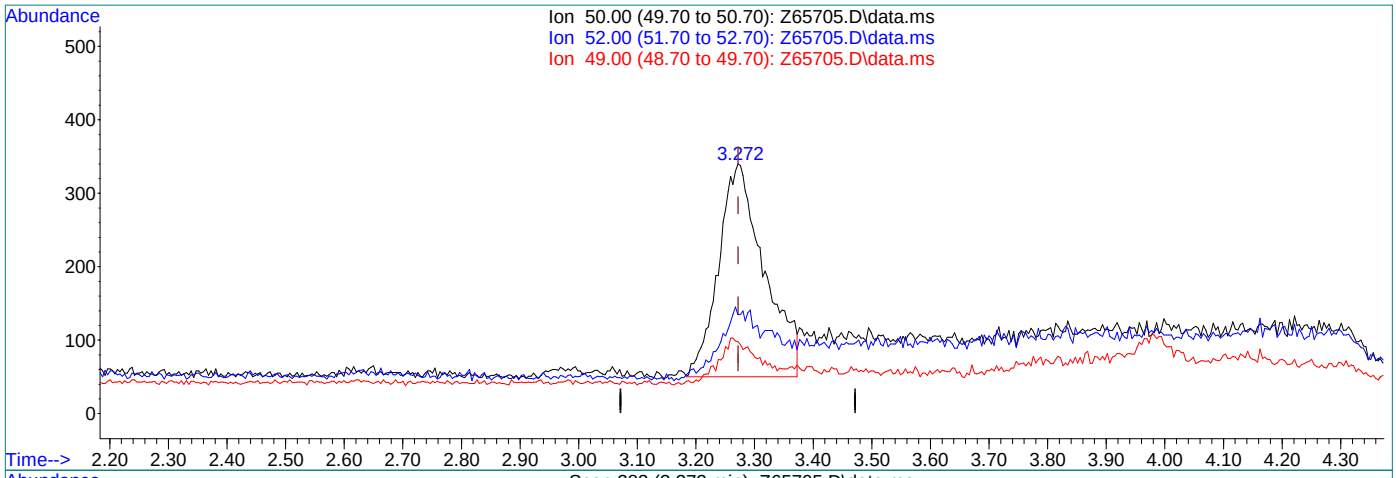
response 0

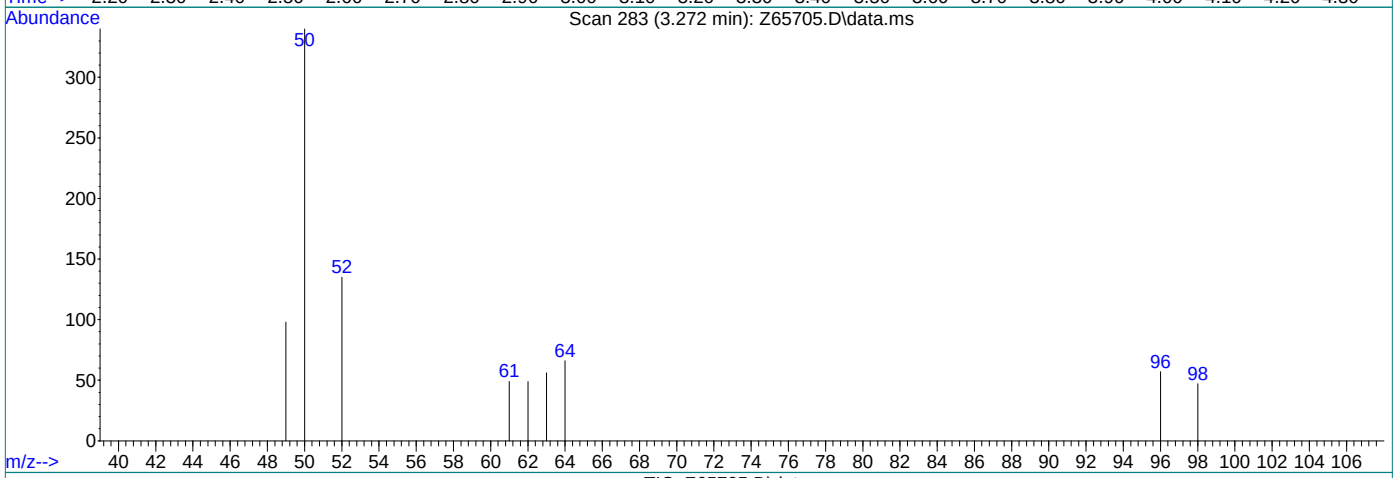
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.80	0.00#
49.00	9.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-0.000) 0.22ug/L m

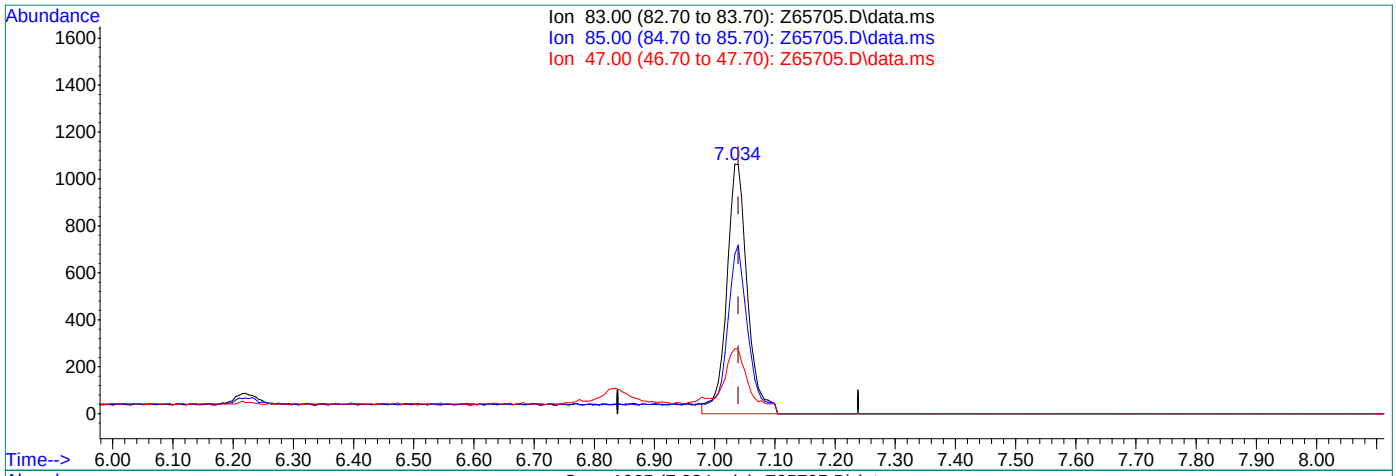
response 1572

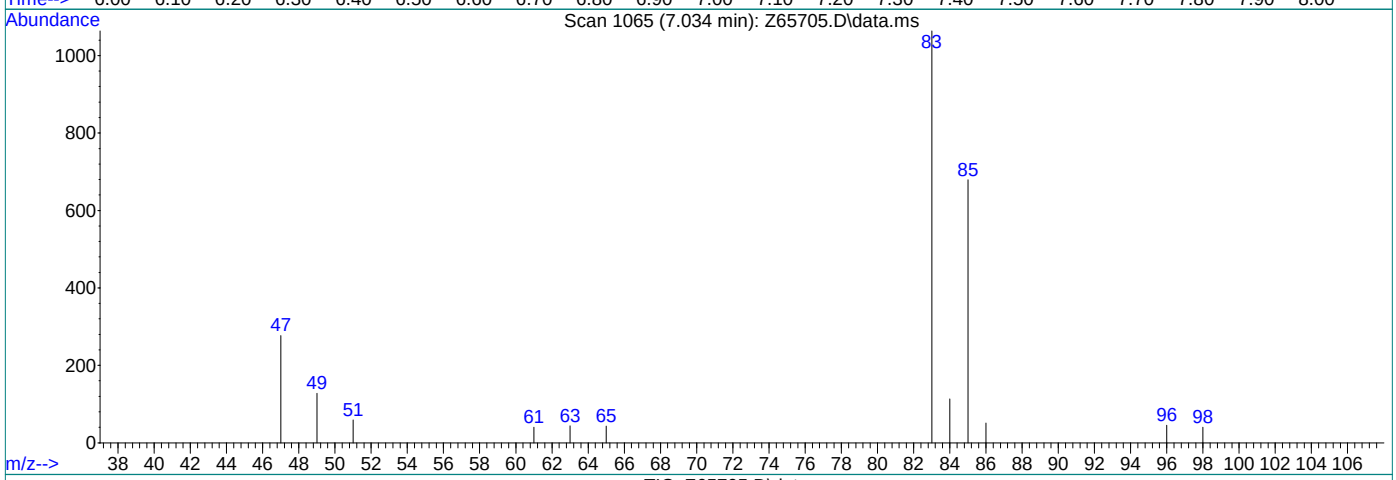
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.71
49.00	9.90	28.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.26ug/L

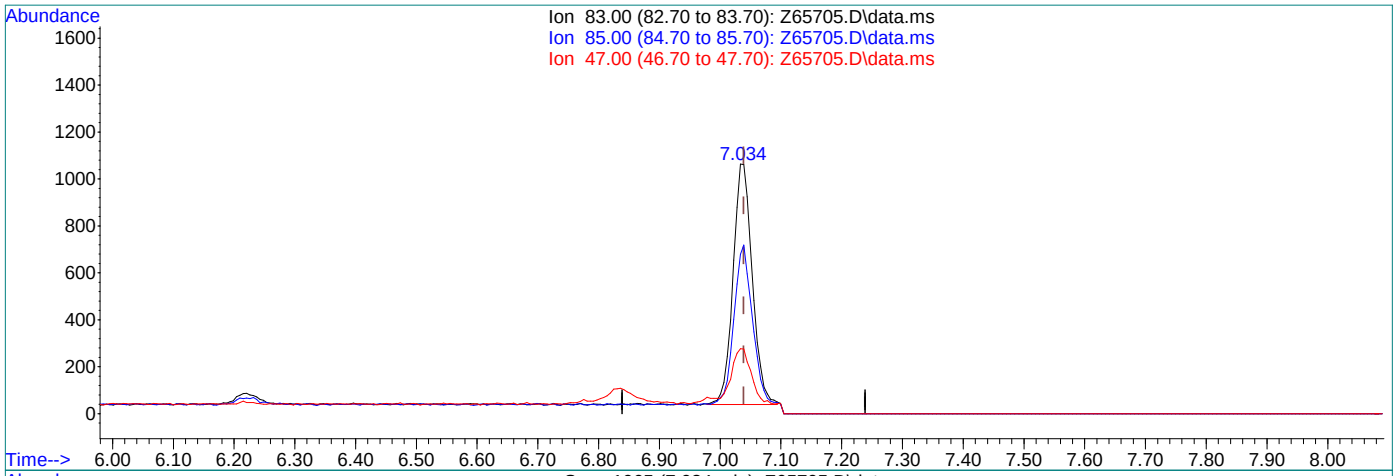
response 2560

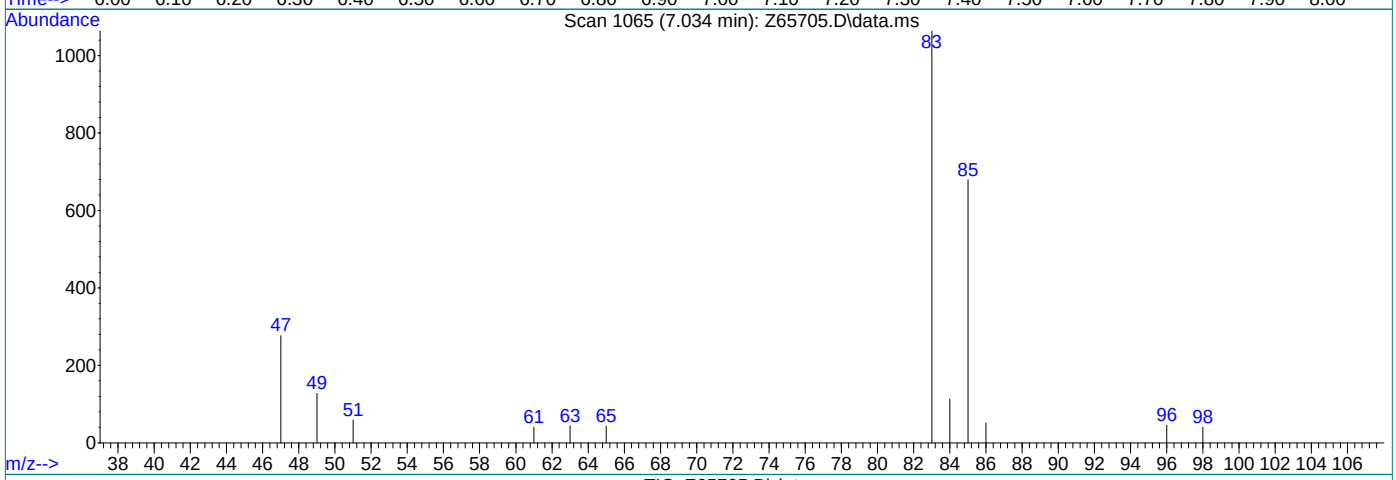
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.23ug/L m

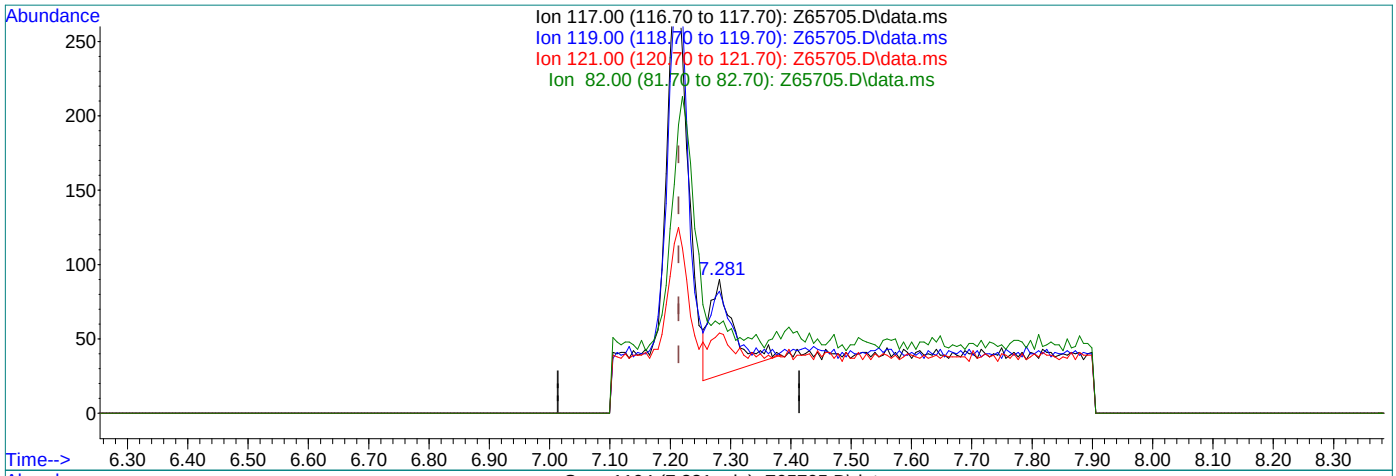
response 2250

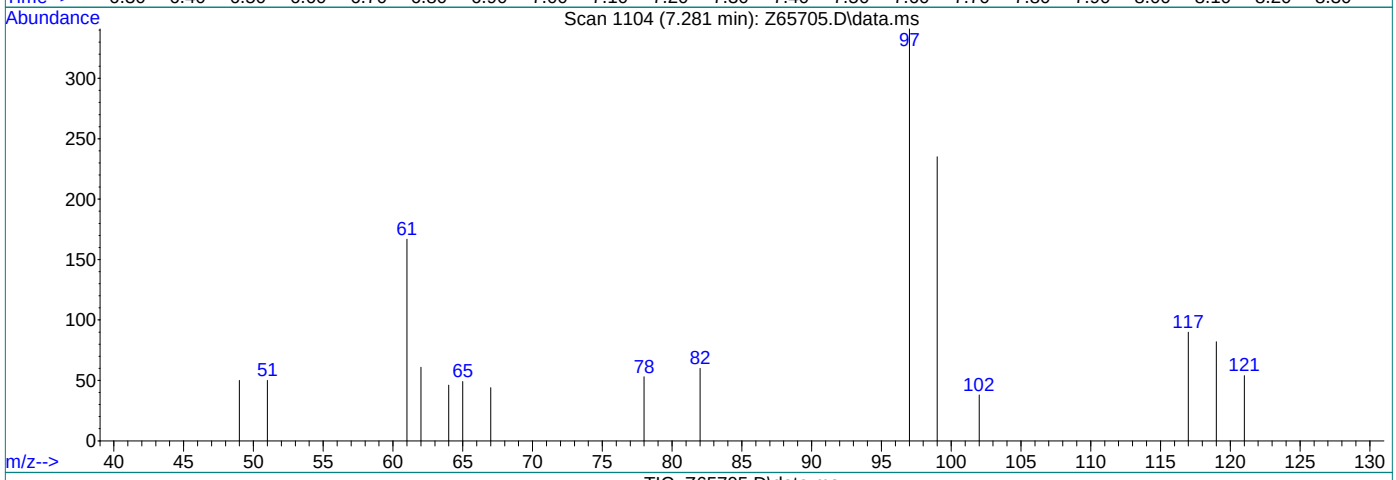
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.281min (+0.067) 0.04ug/L

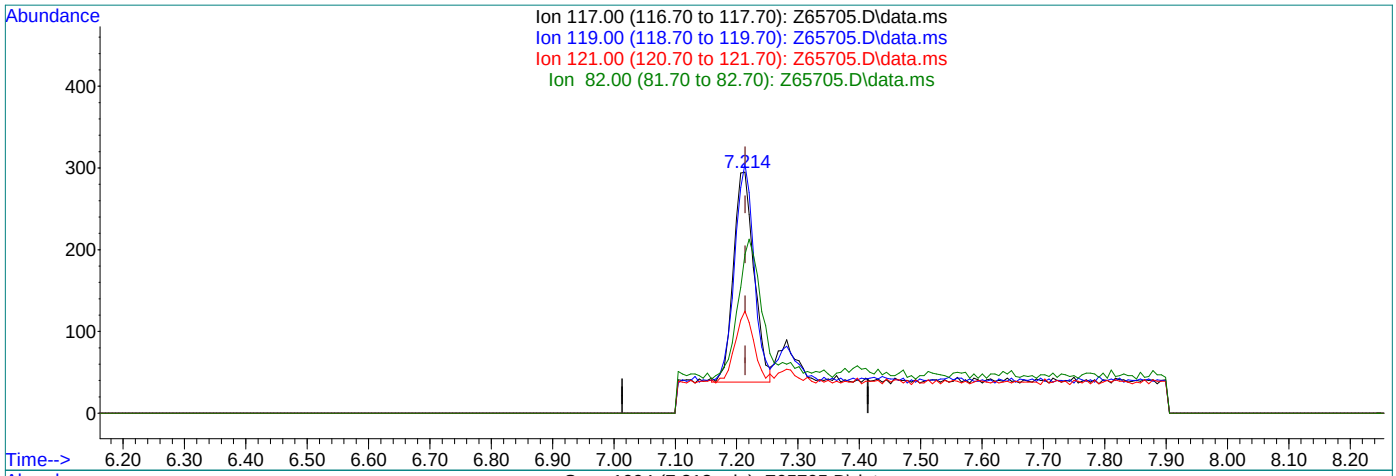
response 177

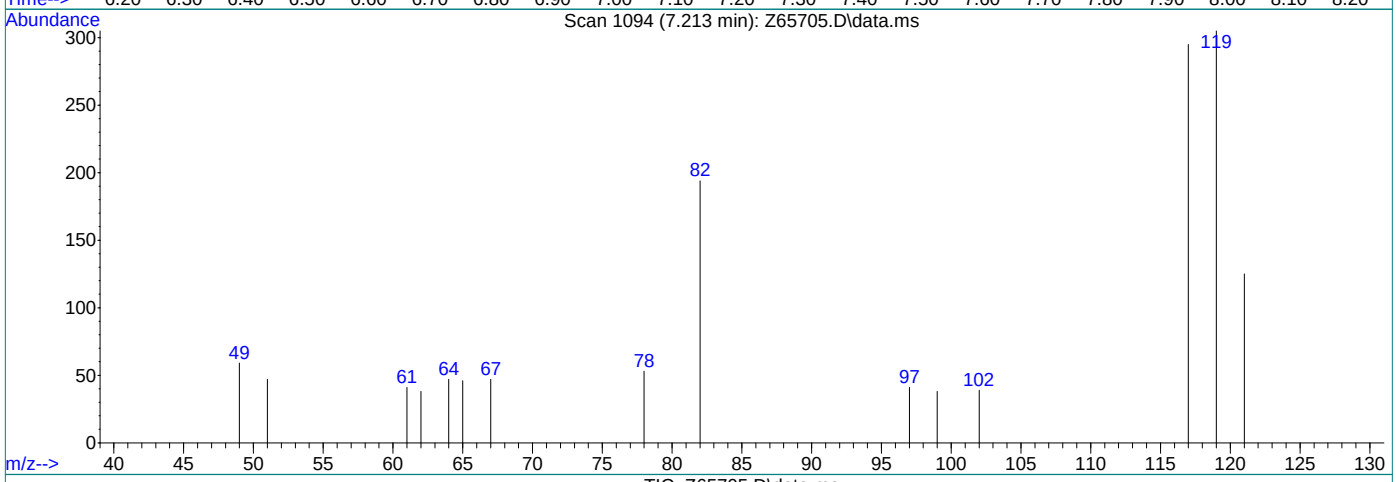
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	80.39
121.00	31.60	31.37
82.00	24.20	19.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.12ug/L m

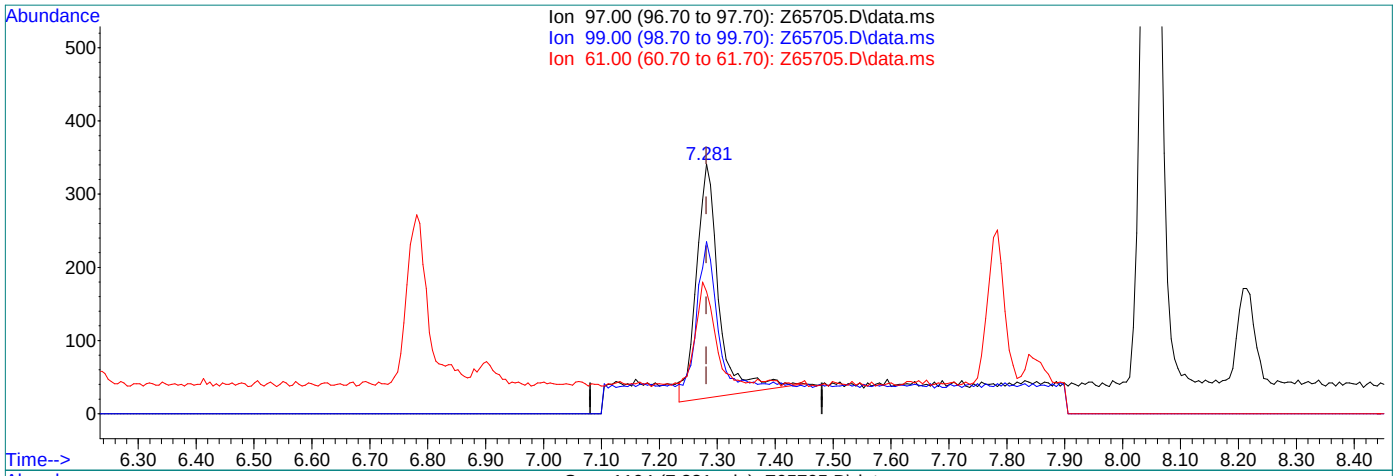
response 596

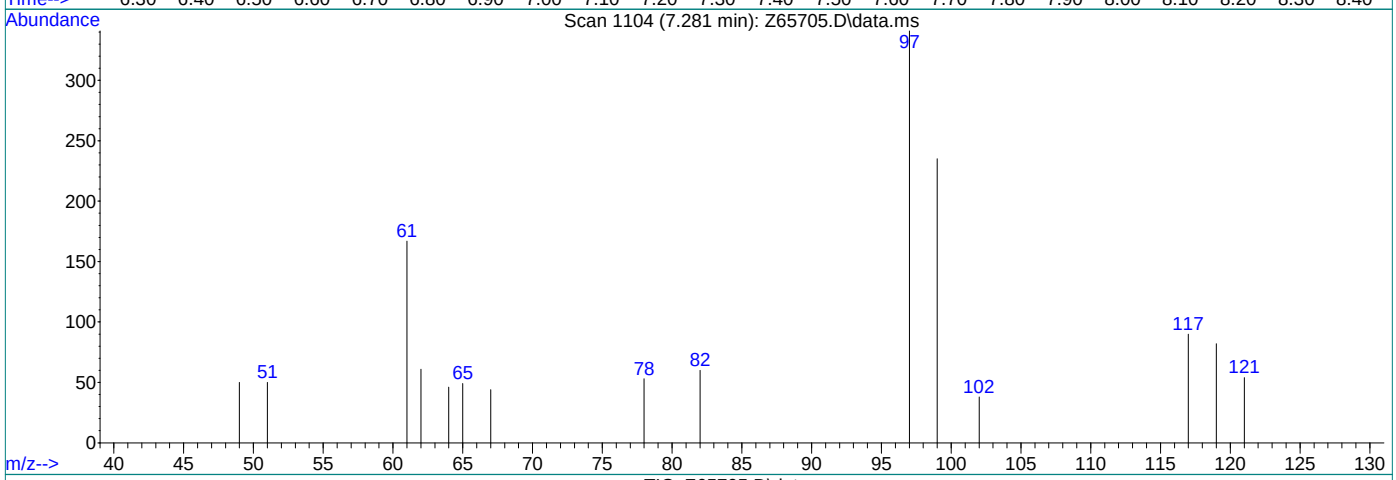
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.39
121.00	31.60	42.37
82.00	24.20	65.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.14ug/L

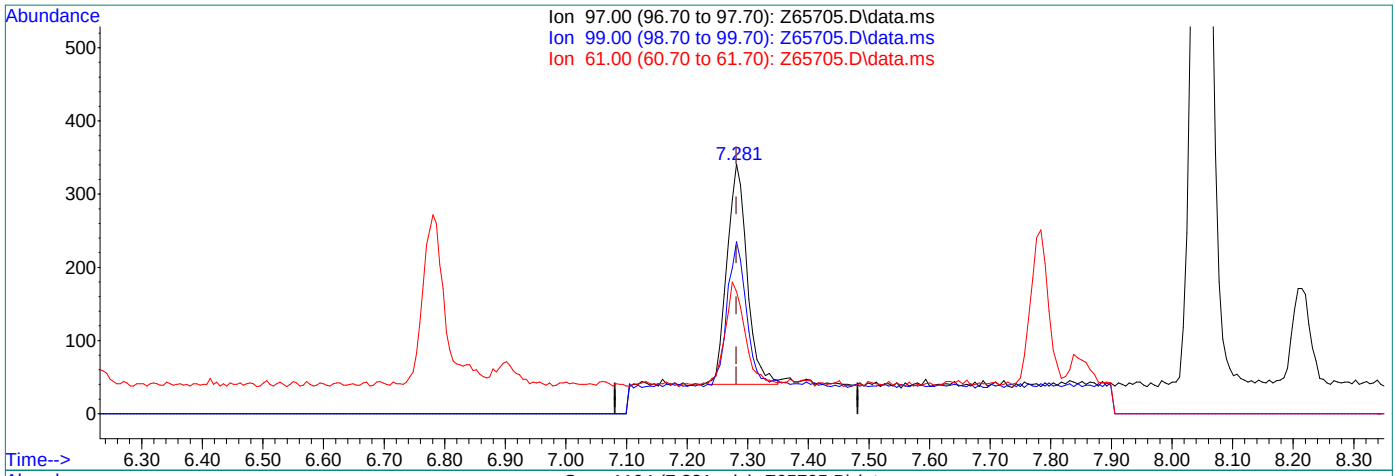
response 866

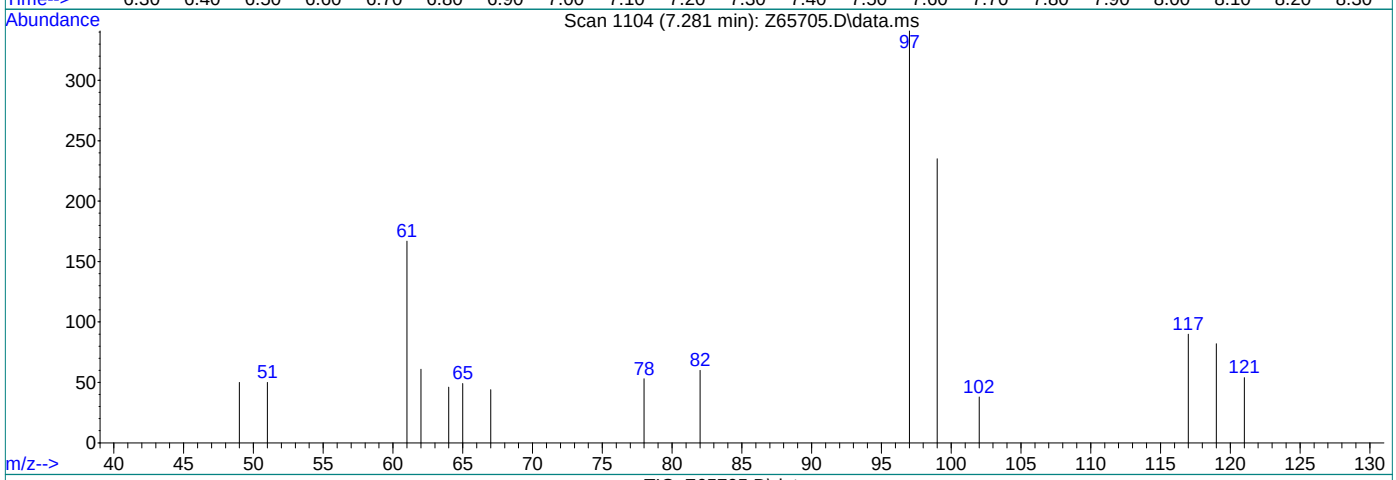
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	66.00
61.00	61.40	42.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.11ug/L m

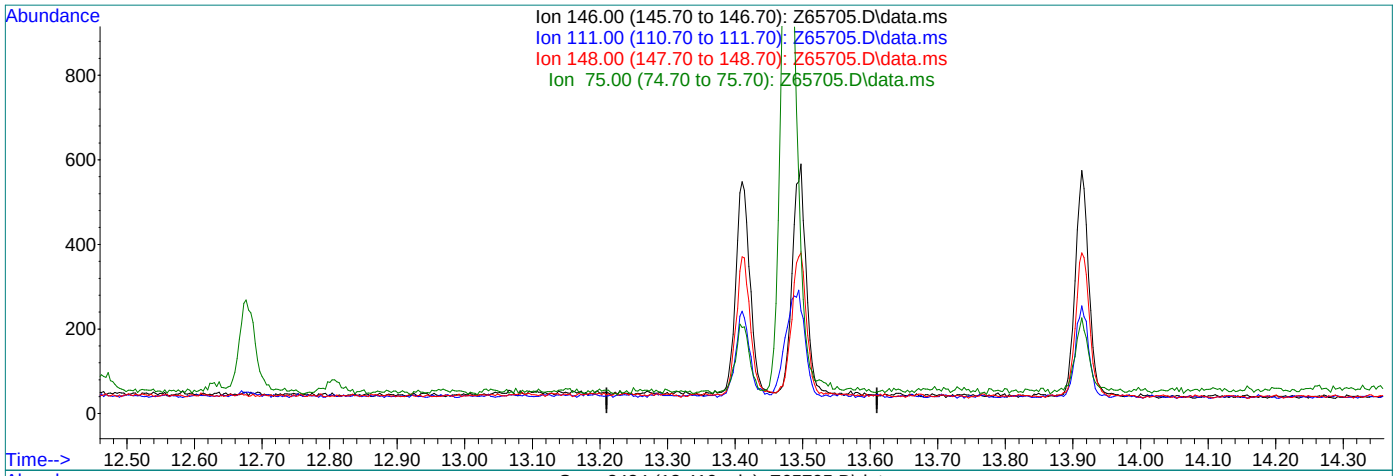
response 693

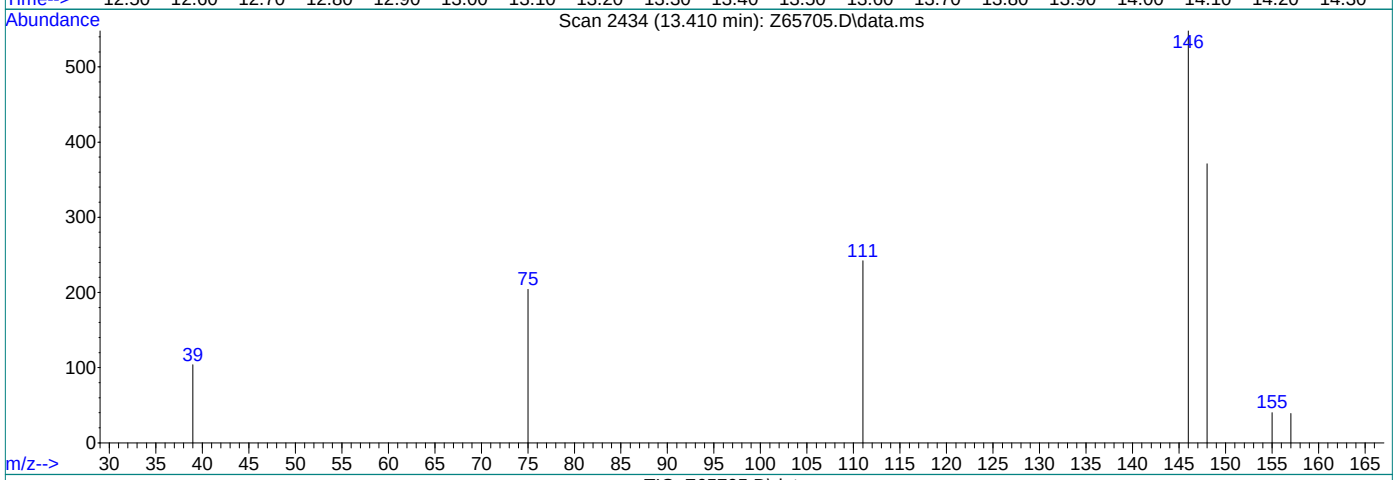
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	68.91
61.00	61.40	48.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-13.410) 0.00ug/L

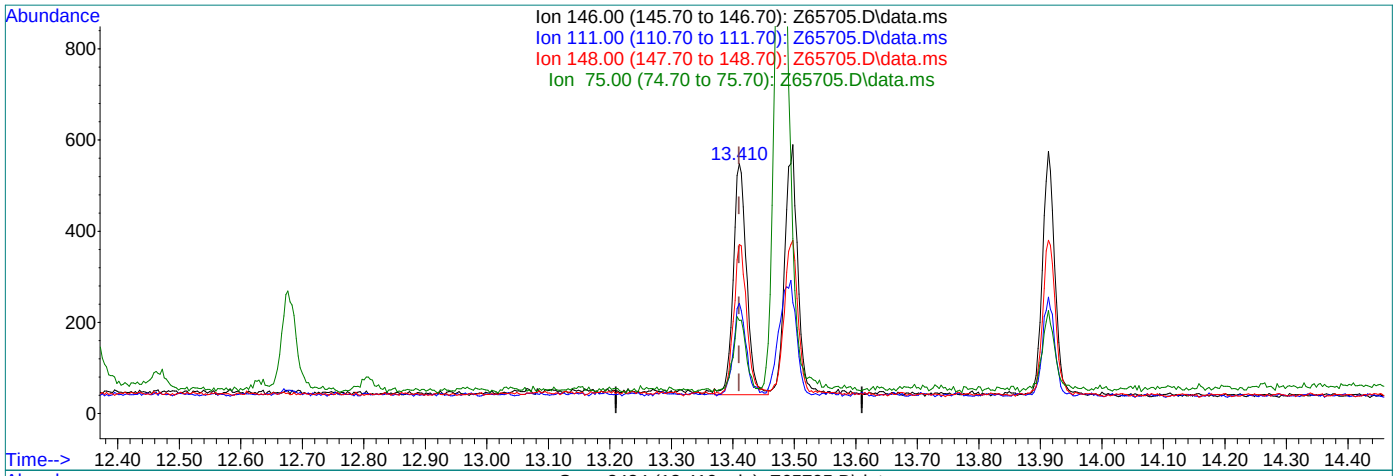
response 0

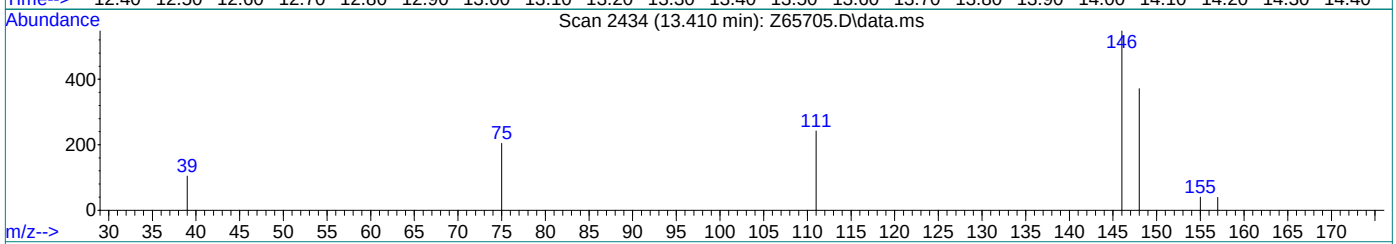
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

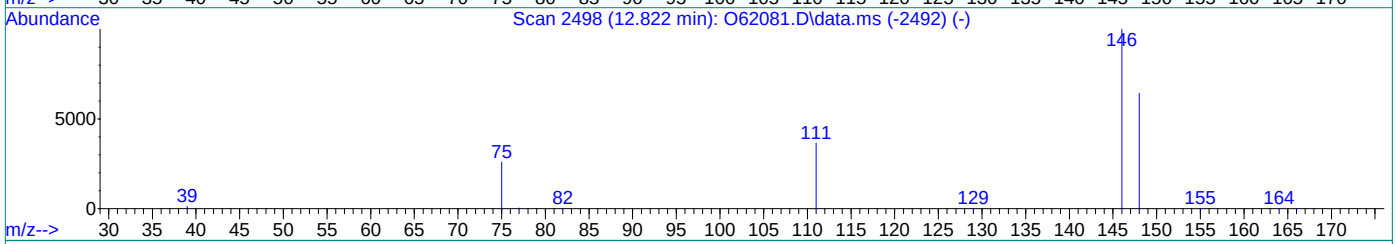
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (+0.000) 0.10ug/L m

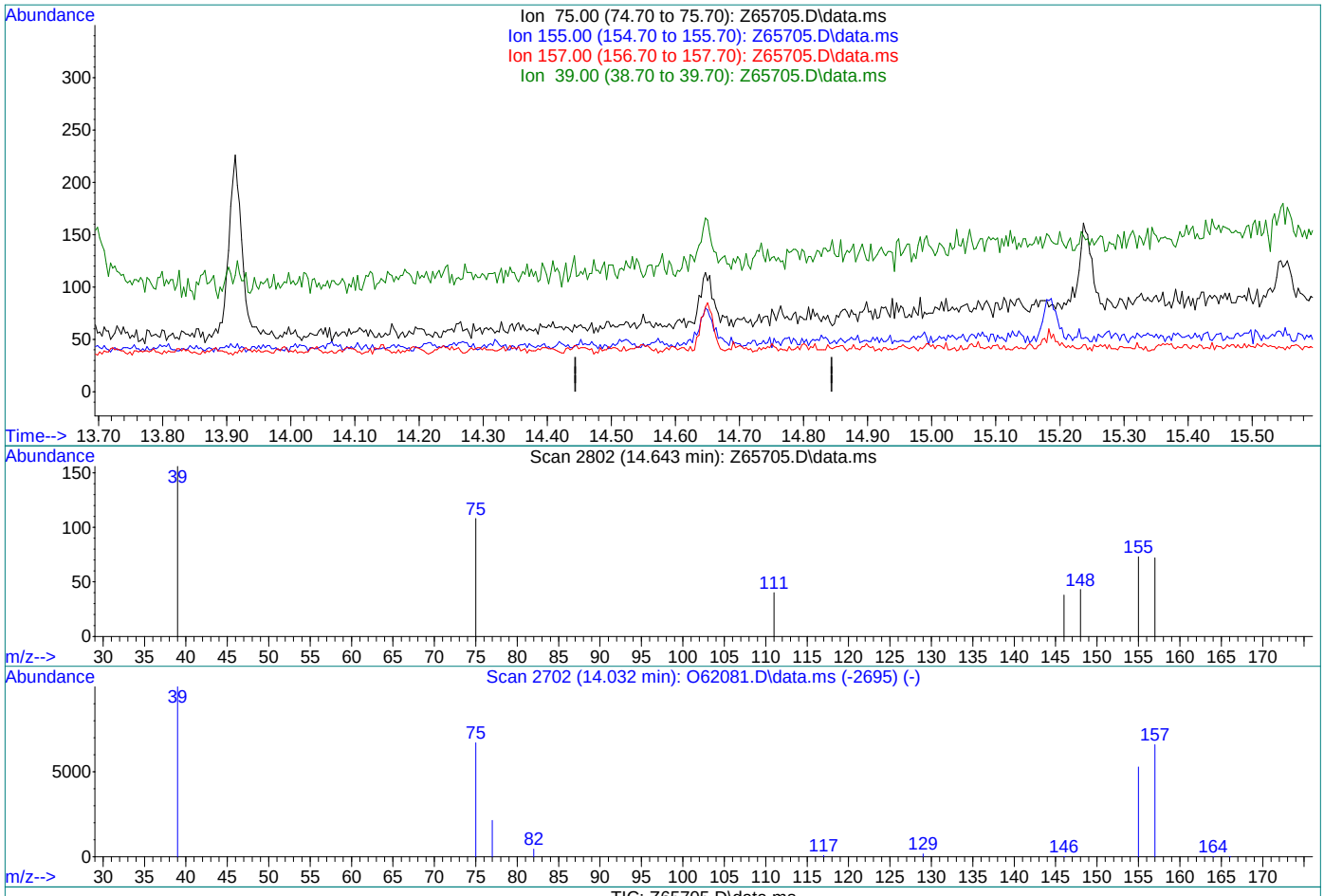
response 766

Ion	Exp%	Act%
146.00	100	100
111.00	38.50	44.16
148.00	63.10	67.70
75.00	17.60	37.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration



TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

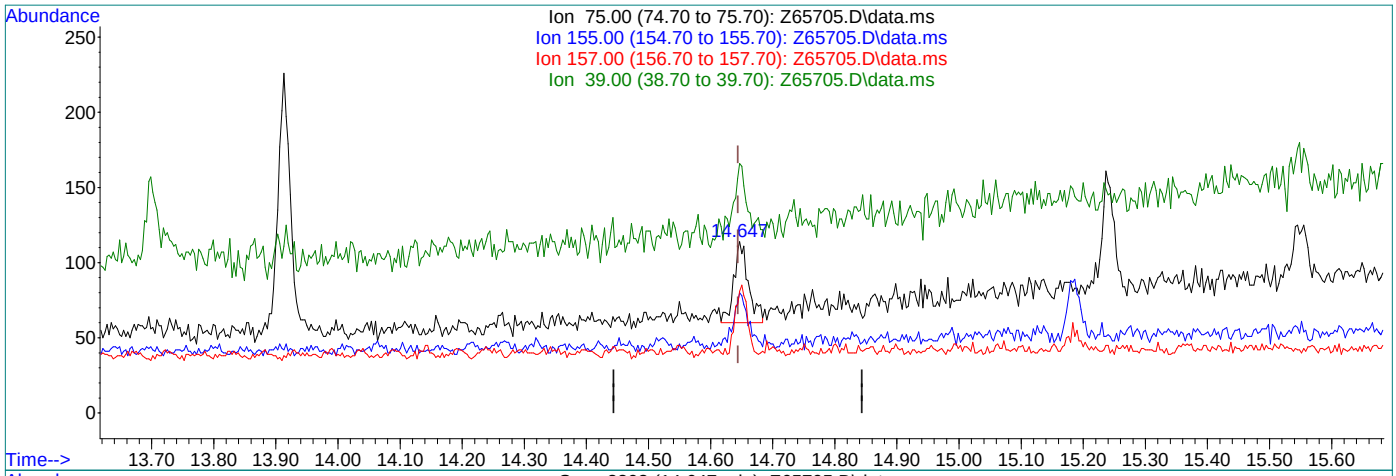
response 0

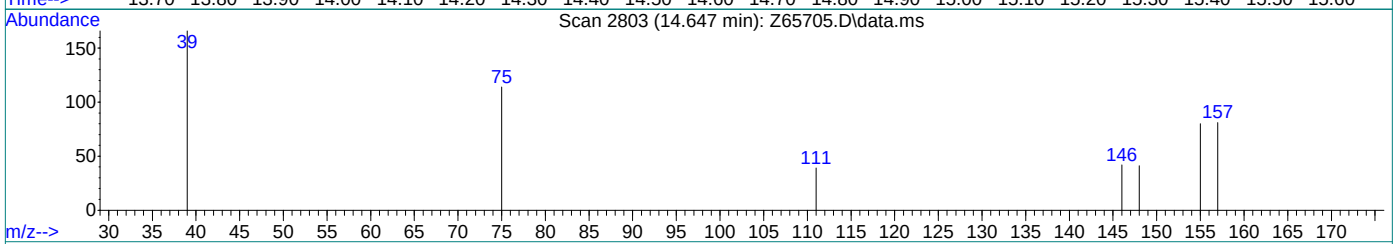
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

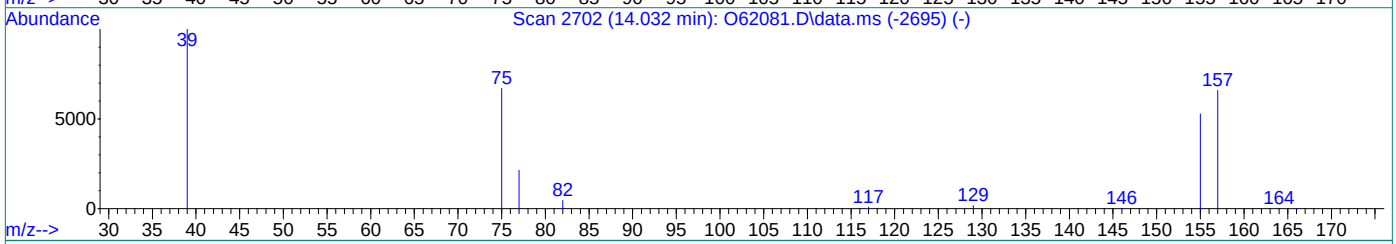
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.19ug/L m

response 88

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	70.18
157.00	81.90	71.05
39.00	23.90	145.61#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration

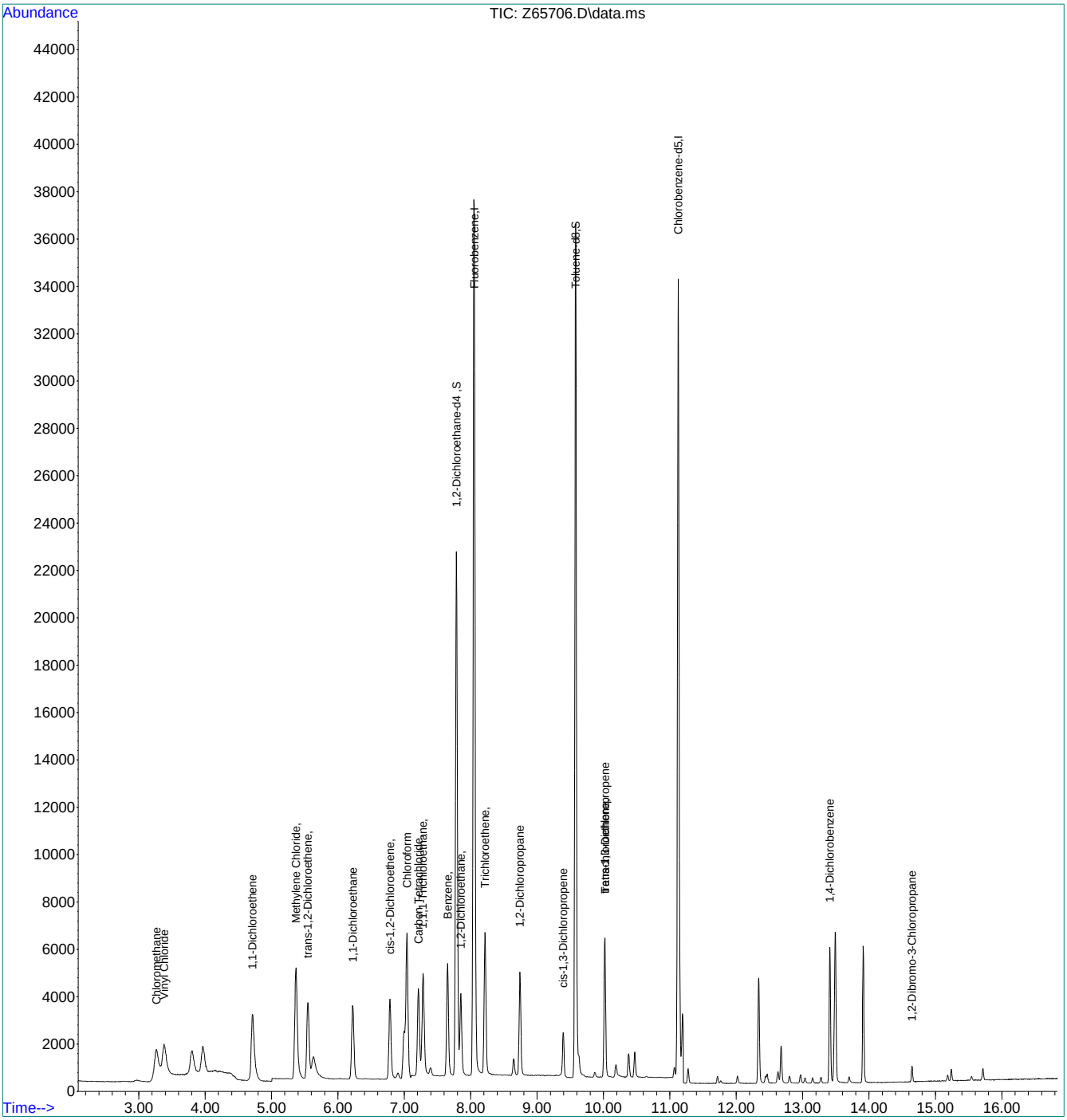
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	45132	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	33154	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21670	6.98	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 139.60%#			
19) Toluene-d8	9.582	98	36327	5.25	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	4065	0.52	ug/L	91
3) Chloromethane	3.267	50	4626	0.60	ug/L	96
4) 1,1-Dichloroethene	4.713	61	3623	0.60	ug/L	97
5) Methylene Chloride	5.369	49	4486	0.53	ug/L #	60
6) trans-1,2-Dichloroethene	5.545	61	3200	0.56	ug/L	84
7) 1,1-Dichloroethane	6.226	63	4297	0.59	ug/L	98
8) cis-1,2-Dichloroethene	6.786	96	2237	0.49	ug/L #	72
9) Chloroform	7.039	83	6357m	0.58	ug/L	
10) Carbon Tetrachloride	7.213	117	3046m	0.57	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	4166	0.63	ug/L	89
12) Benzene	7.655	78	8033	0.50	ug/L	79
14) 1,2-Dichloroethane	7.851	62	3338	0.61	ug/L	87
15) Trichloroethene	8.214	95	2312	0.51	ug/L	94
16) 1,2-Dichloropropane	8.742	63	2204	0.59	ug/L	88
17) cis-1,3-Dichloropropene	9.394	75	1609	0.33	ug/L #	70
20) trans-1,3-Dichloropropene	10.022	75	1009	0.26	ug/L #	73
21) Tetrachloroethene	10.022	166	2213	0.55	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	3588	0.42	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	283m	0.54	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration



Manual Integration Approval Summary

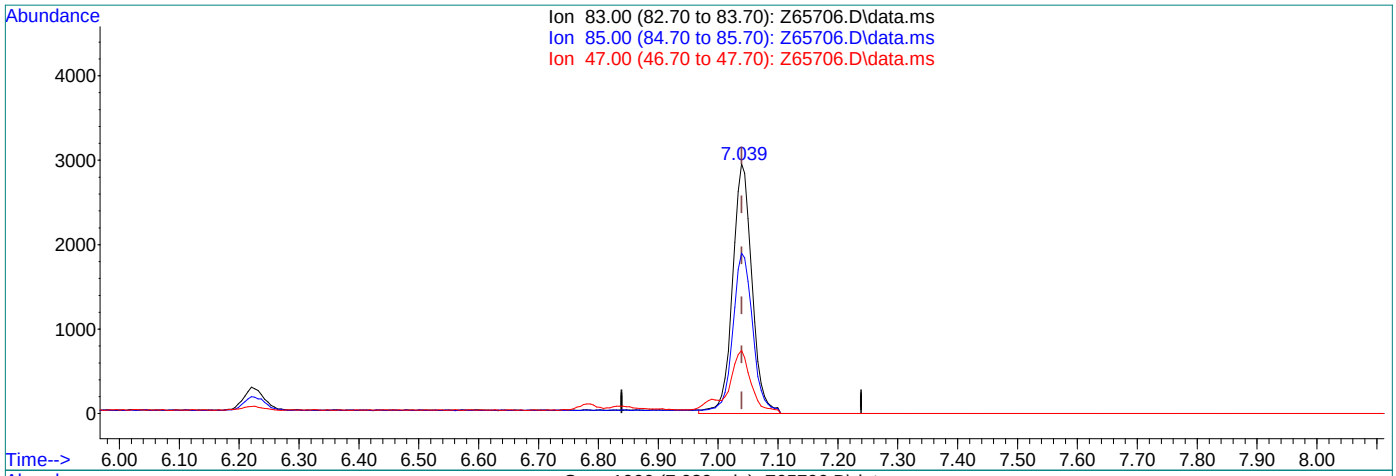
Sample Number: VZ2584-IC2584
Lab FileID: Z65706.D
Injection Time: 09/02/21 15:08
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

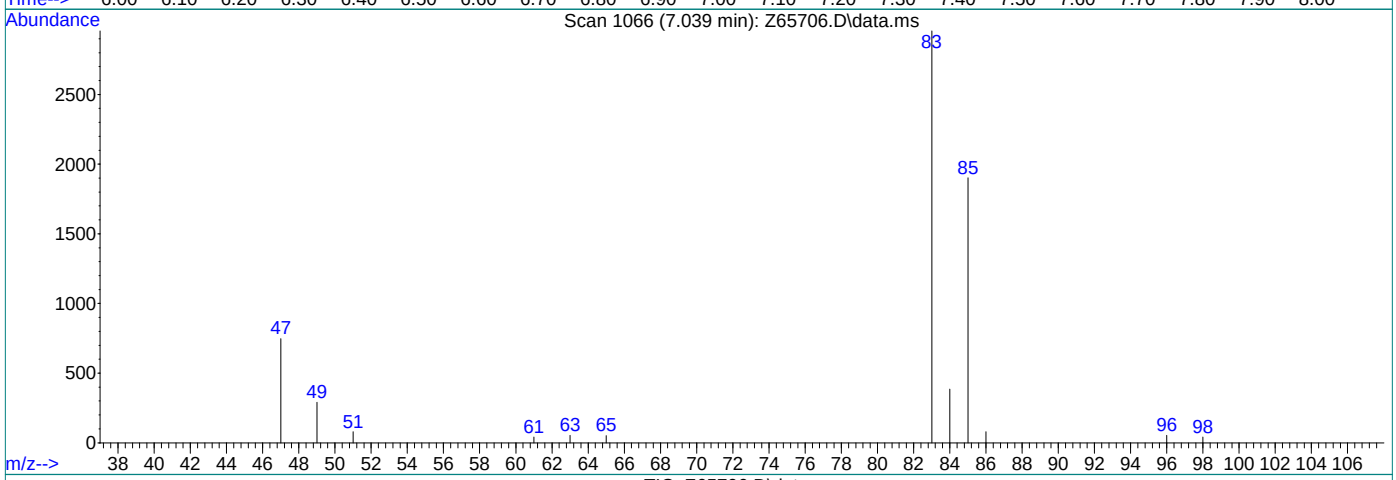
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.61ug/L

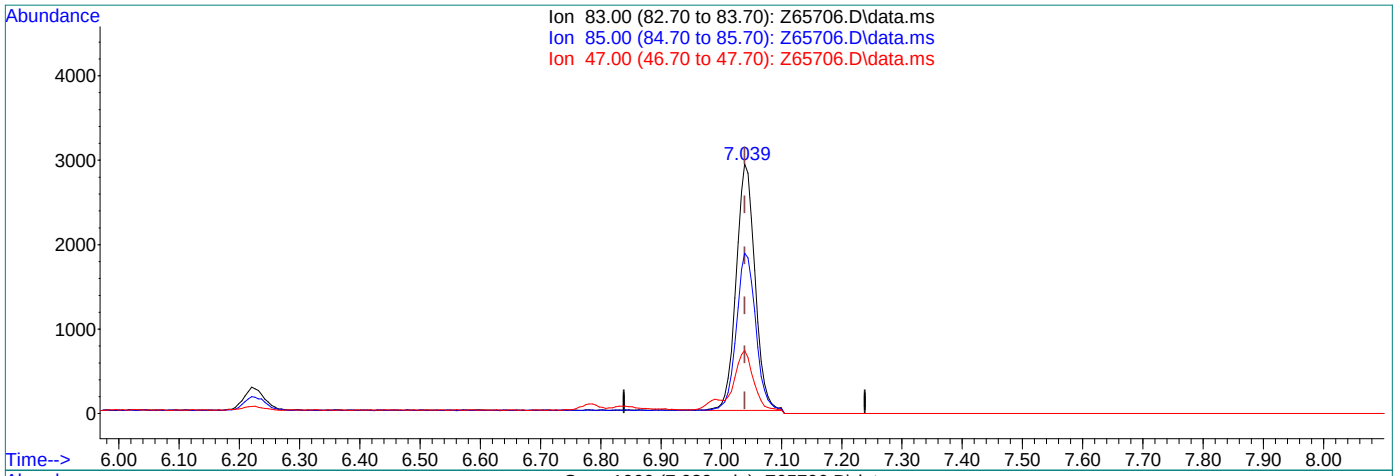
response 6726

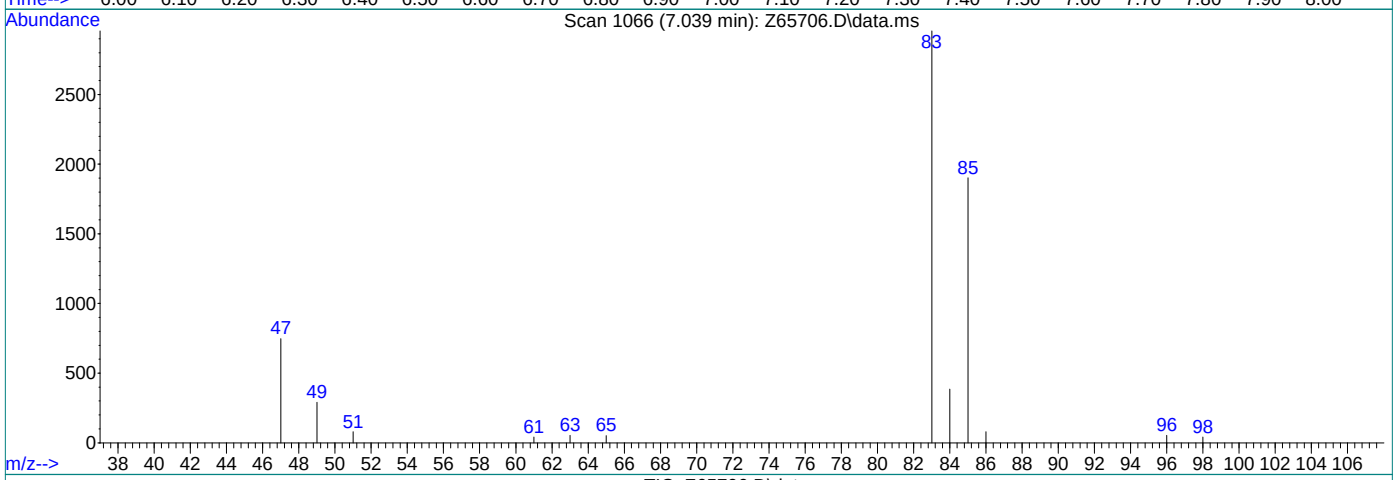
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.58ug/L m

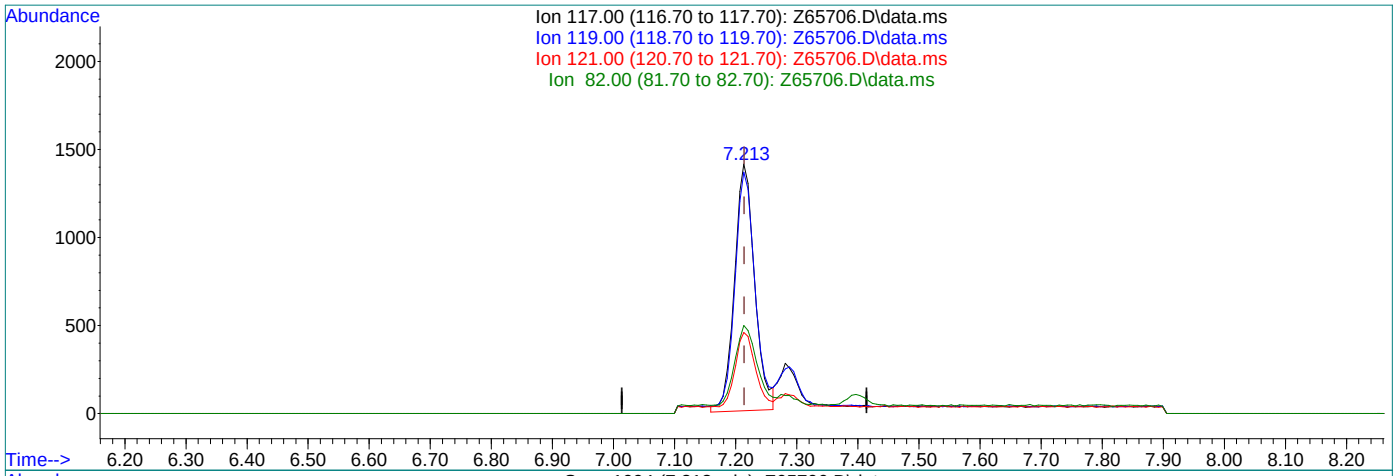
response 6357

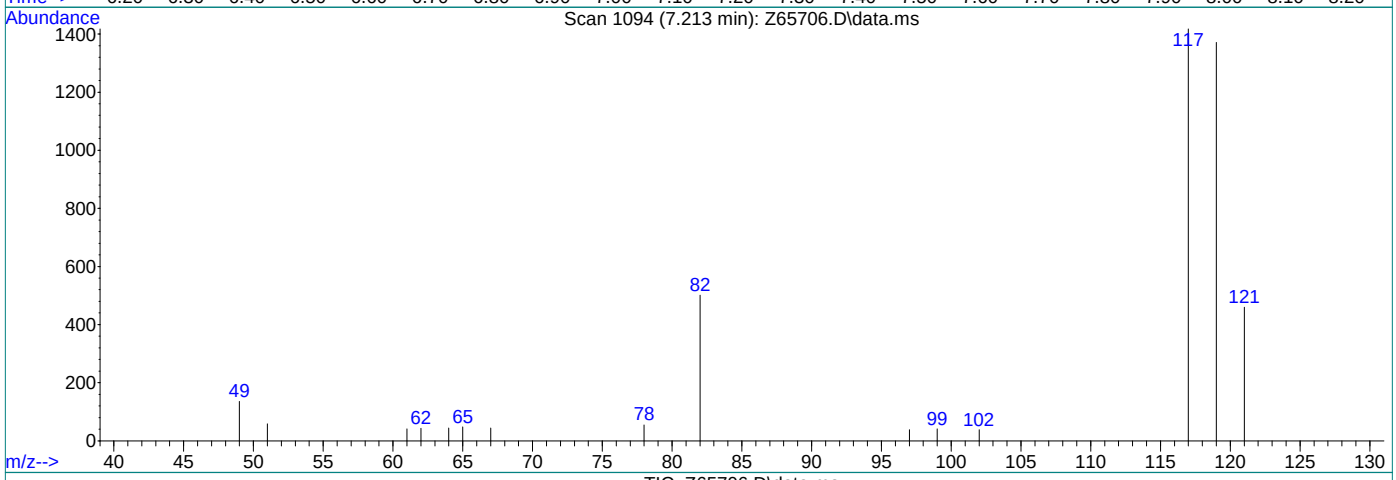
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.61ug/L

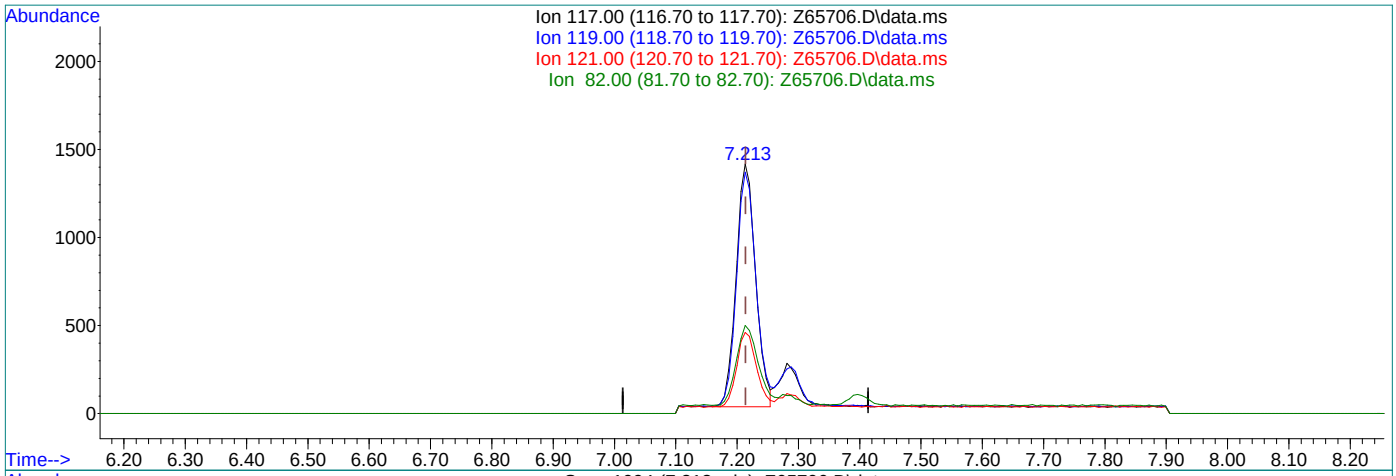
response 3226

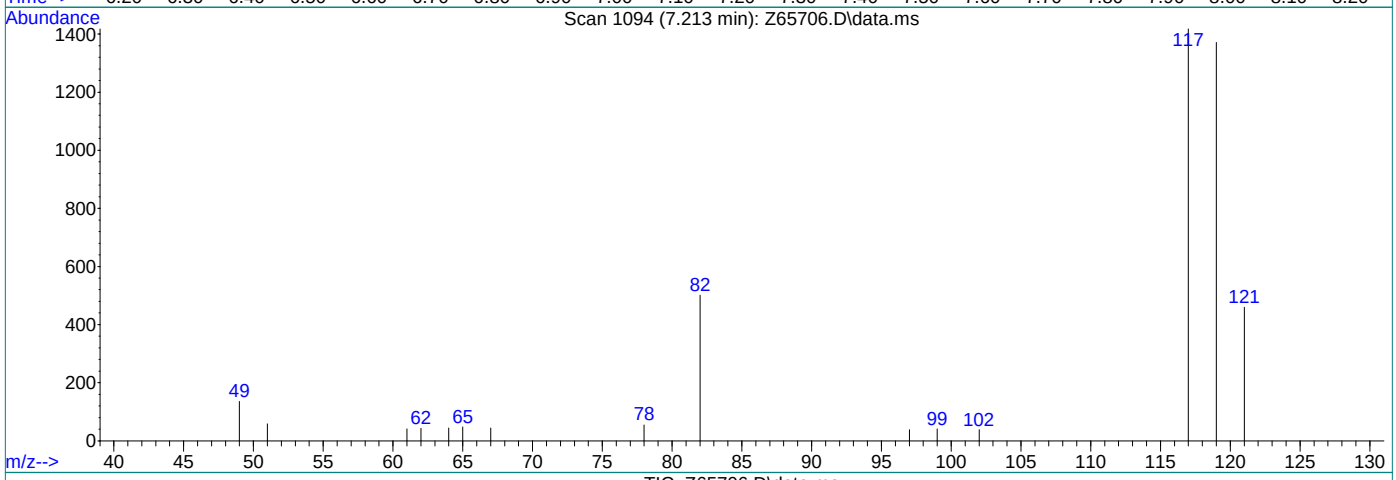
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.37
121.00	31.60	30.65
82.00	24.20	33.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.57ug/L m

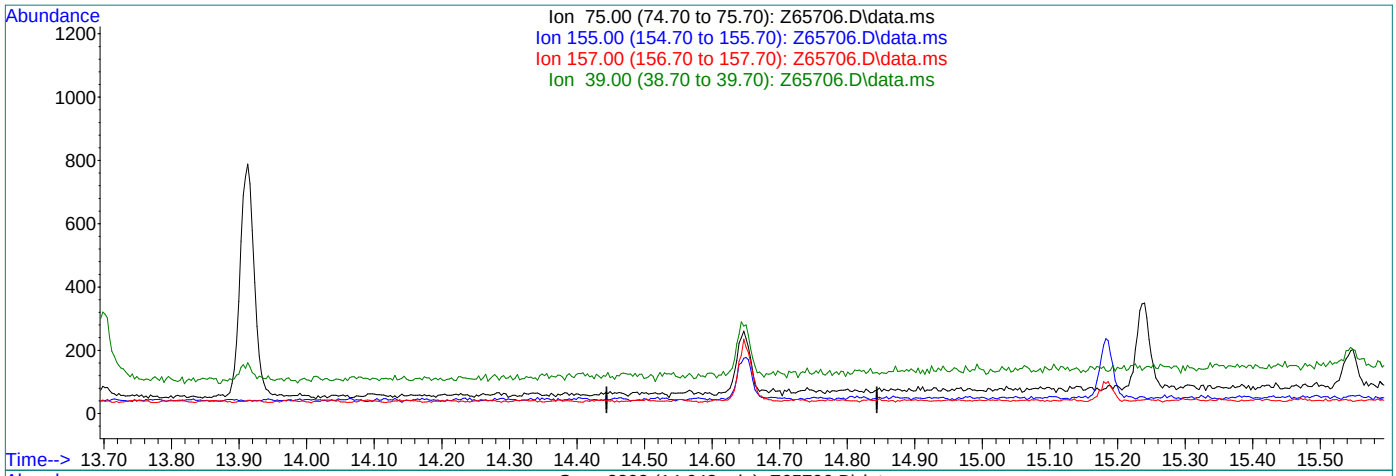
response 3046

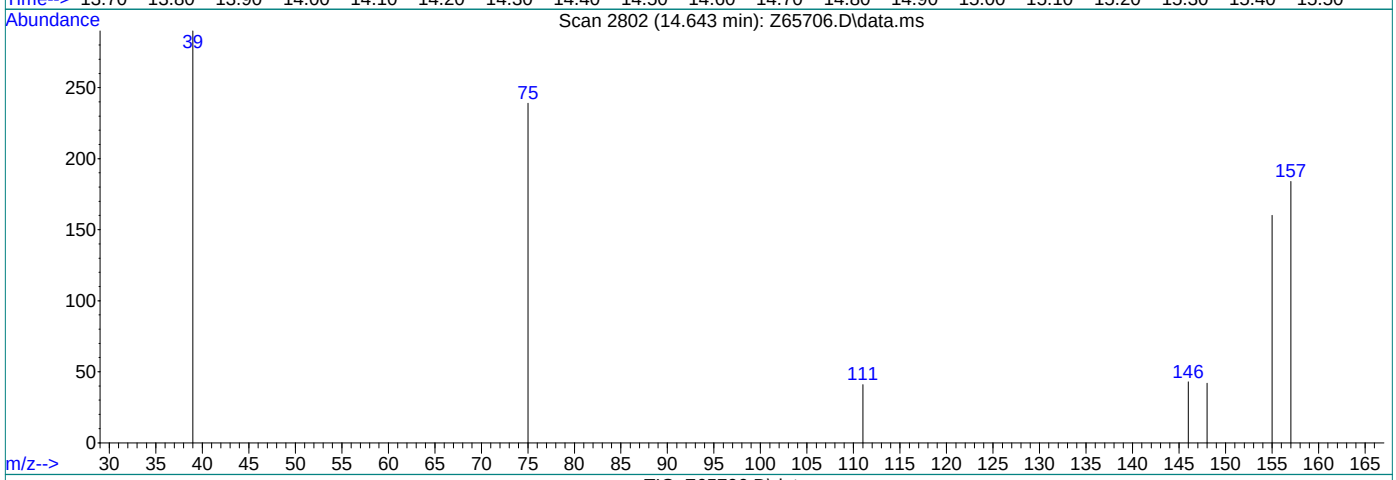
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.69
121.00	31.60	32.44
82.00	24.20	35.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

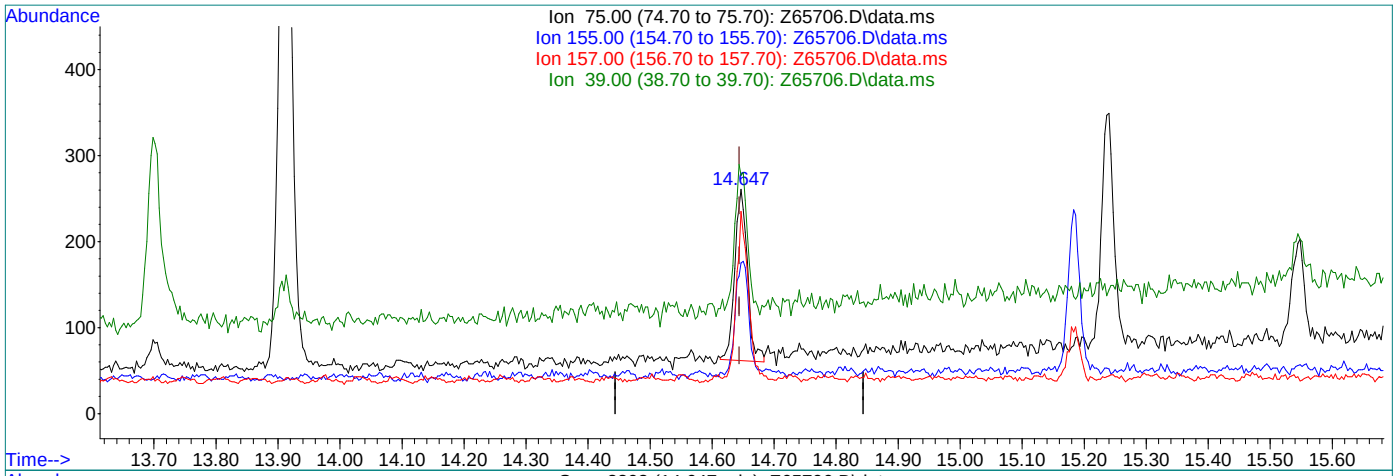
response 0

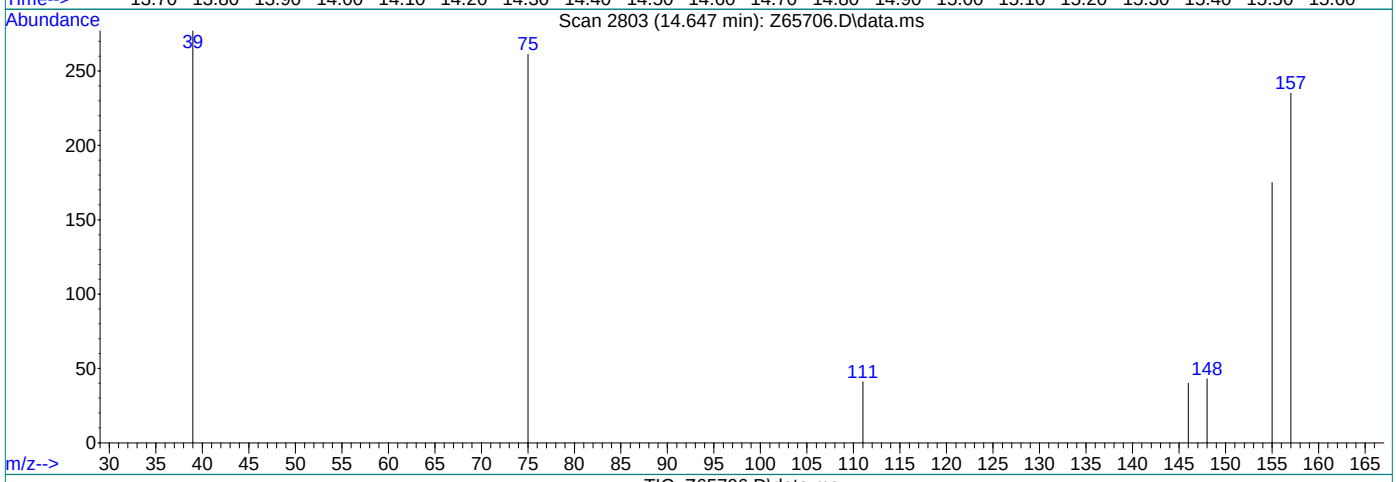
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.54ug/L m

response 283

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	67.05
157.00	81.90	90.04
39.00	23.90	106.13#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration

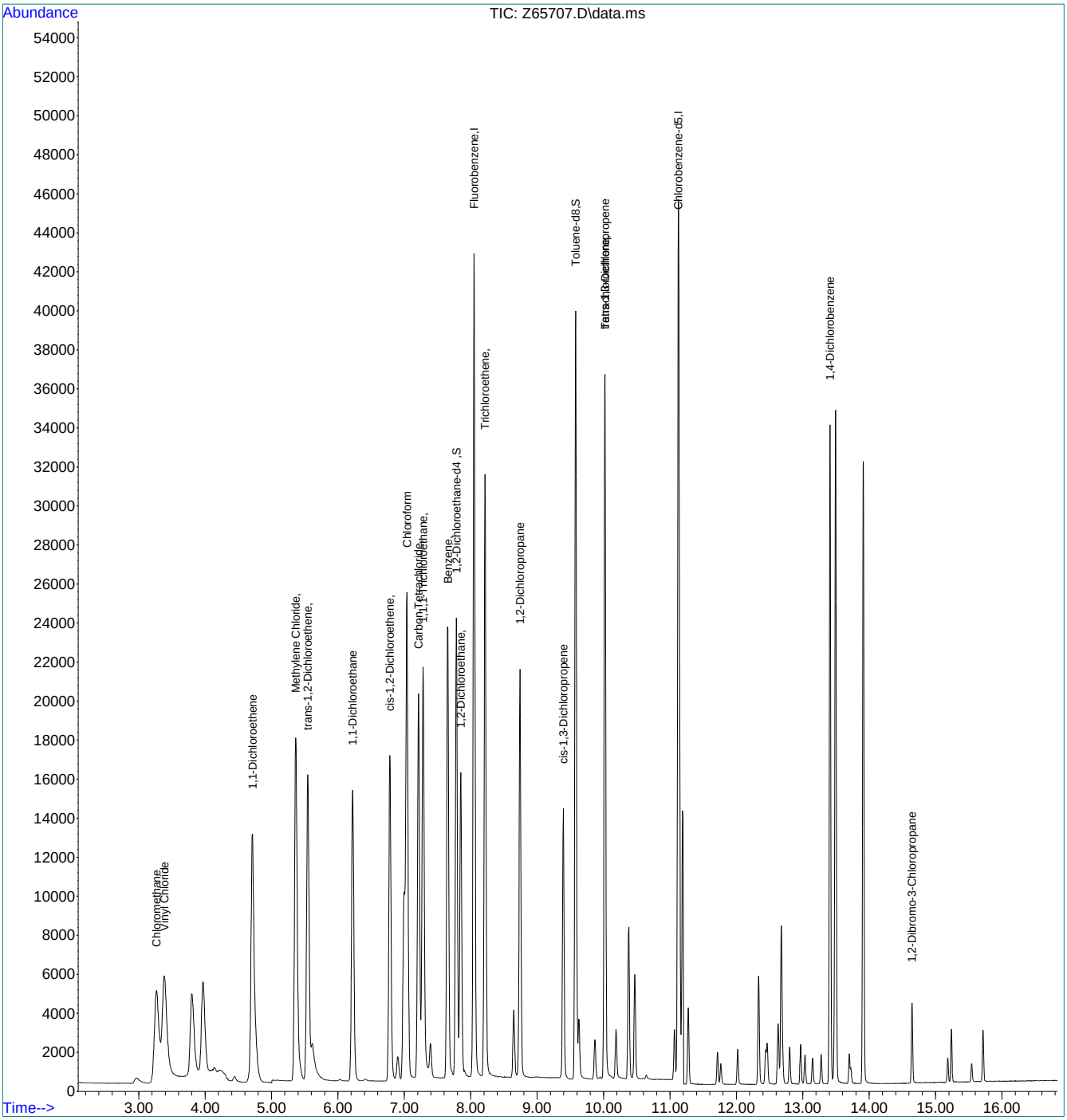
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	50381	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38930	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22321	6.10	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 122.00%				
19) Toluene-d8	9.582	98	40046	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	17156	1.99	ug/L		93
3) Chloromethane	3.267	50	16867	1.90	ug/L		98
4) 1,1-Dichloroethene	4.713	61	16954	2.41	ug/L		97
5) Methylene Chloride	5.364	49	17221	1.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	15432	2.36	ug/L		79
7) 1,1-Dichloroethane	6.221	63	20760	2.46	ug/L		96
8) cis-1,2-Dichloroethene	6.781	96	10883	2.09	ug/L	#	75
9) Chloroform	7.039	83	26408	2.07	ug/L		87
10) Carbon Tetrachloride	7.213	117	16572	2.71	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	19885	2.59	ug/L		88
12) Benzene	7.655	78	39754	2.20	ug/L		79
14) 1,2-Dichloroethane	7.851	62	16319	2.58	ug/L		85
15) Trichloroethene	8.214	95	11489	2.24	ug/L		93
16) 1,2-Dichloropropane	8.742	63	10585	2.45	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	11988	2.29	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	10692	2.42	ug/L	#	72
21) Tetrachloroethene	10.022	166	10667	2.21	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	20591	2.07	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	1577	2.46	ug/L	#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration

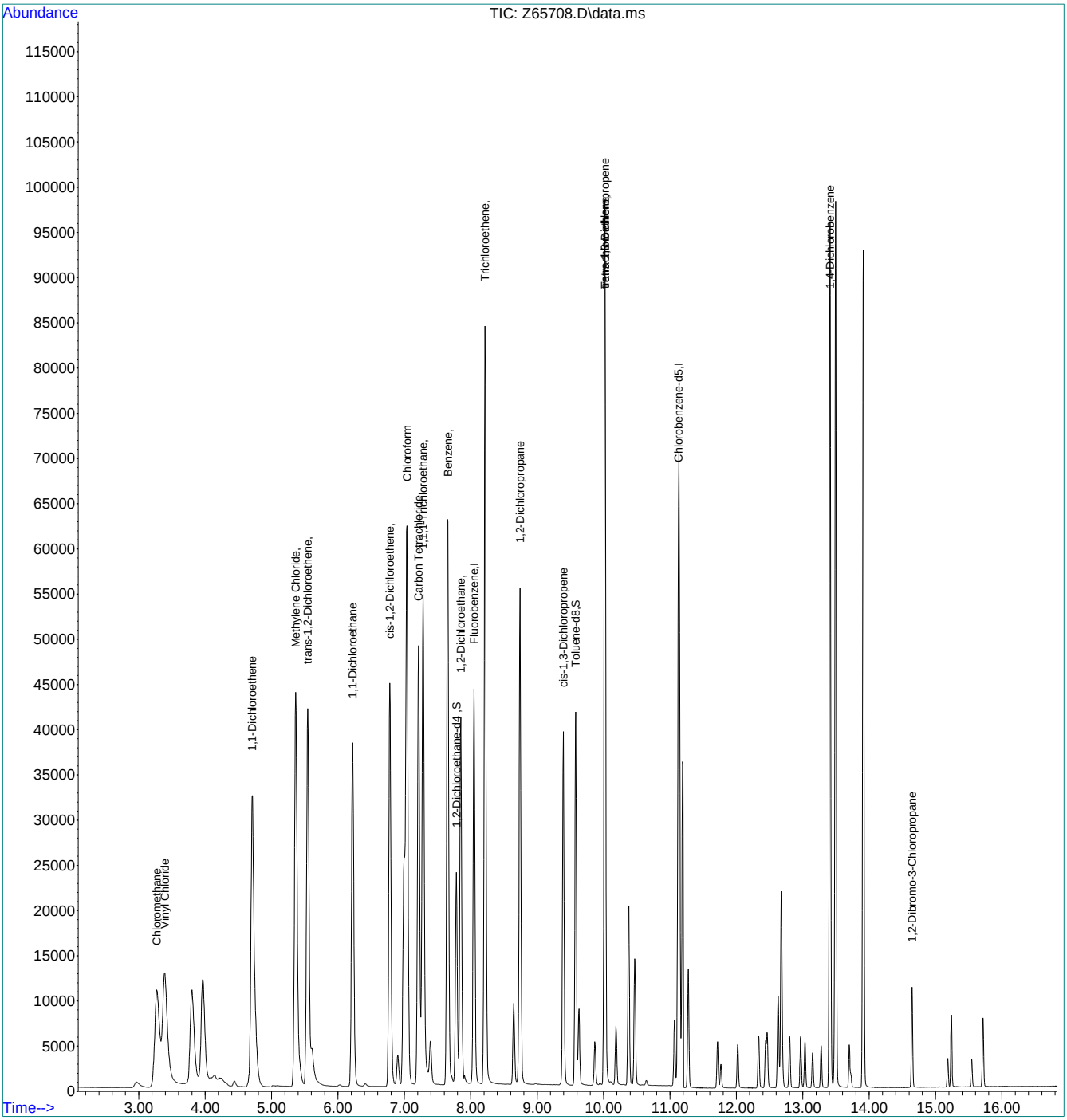
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51649	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	41795	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21781	5.57	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.40%			
19) Toluene-d8	9.582	98	41673	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	41567	4.75	ug/L	96
3) Chloromethane	3.272	50	39806	4.32	ug/L	97
4) 1,1-Dichloroethene	4.708	61	43739	5.86	ug/L	96
5) Methylene Chloride	5.364	49	42084	4.43	ug/L #	60
6) trans-1,2-Dichloroethene	5.545	61	40384	5.83	ug/L	78
7) 1,1-Dichloroethane	6.221	63	52770	5.89	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	28693	5.35	ug/L #	75
9) Chloroform	7.039	83	65470	4.86	ug/L	87
10) Carbon Tetrachloride	7.213	117	40745	6.17	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	50483	6.14	ug/L	88
12) Benzene	7.655	78	106631	5.68	ug/L	77
14) 1,2-Dichloroethane	7.851	62	41453	6.13	ug/L	85
15) Trichloroethene	8.214	95	30443	5.71	ug/L	94
16) 1,2-Dichloropropane	8.742	63	27703	6.06	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	32904	6.00	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	30131m	6.16	ug/L	
21) Tetrachloroethene	10.022	166	27781	5.32	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	57646	5.36	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4200	5.78	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration



Manual Integration Approval Summary

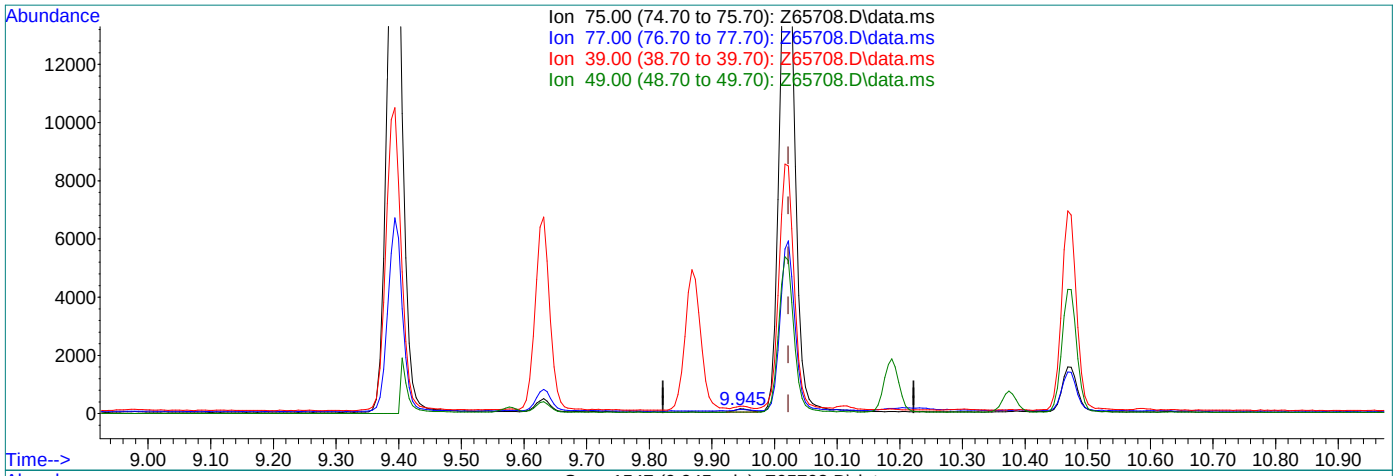
Sample Number: VZ2584-IC2584
Lab FileID: Z65708.D
Injection Time: 09/02/21 15:49
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

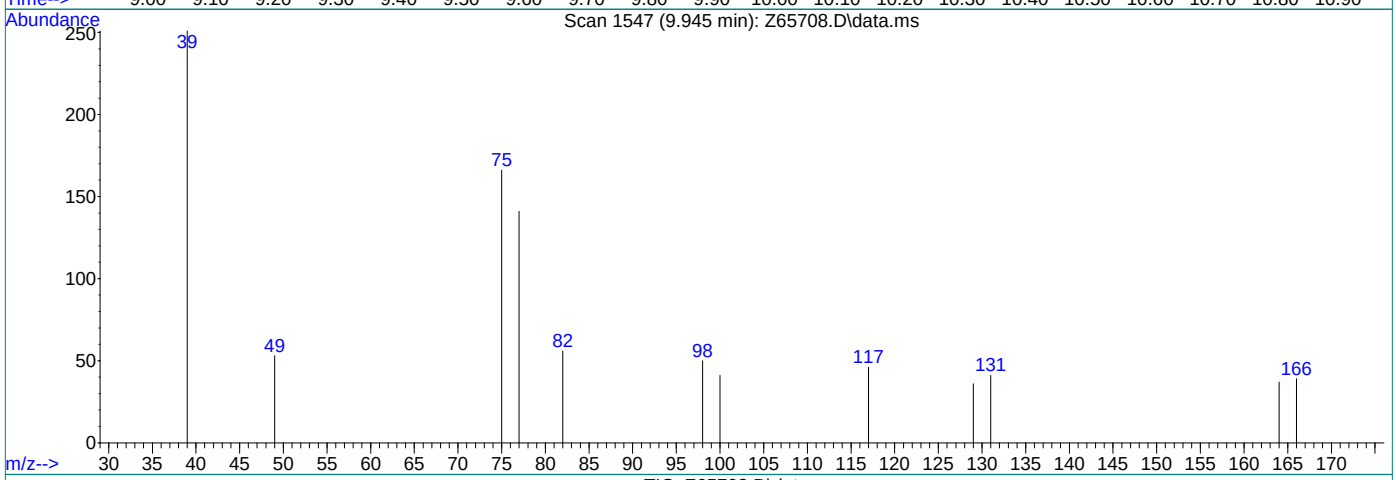
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.03ug/L

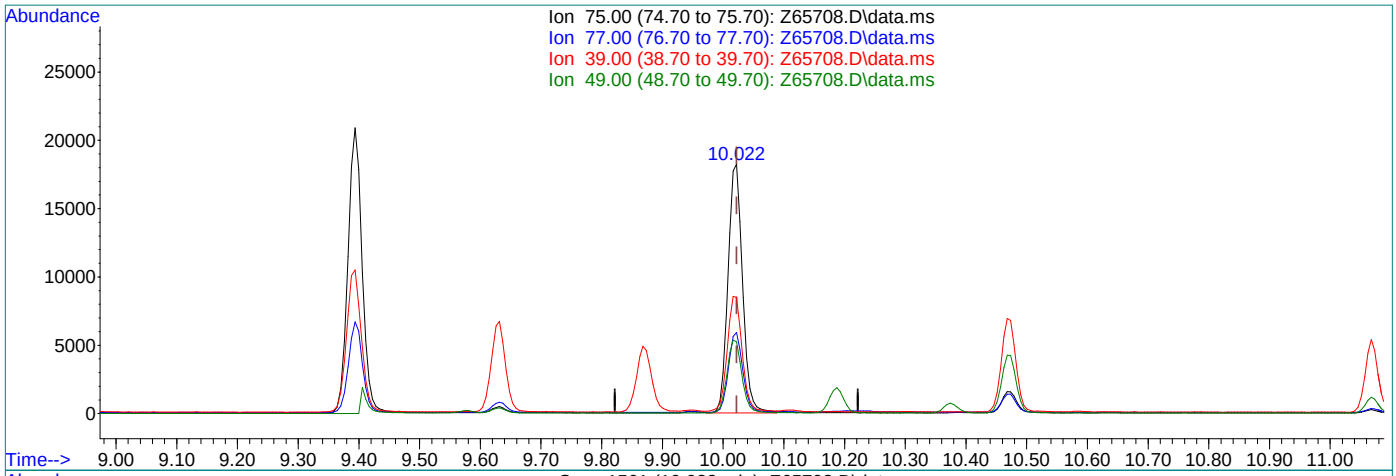
response 165

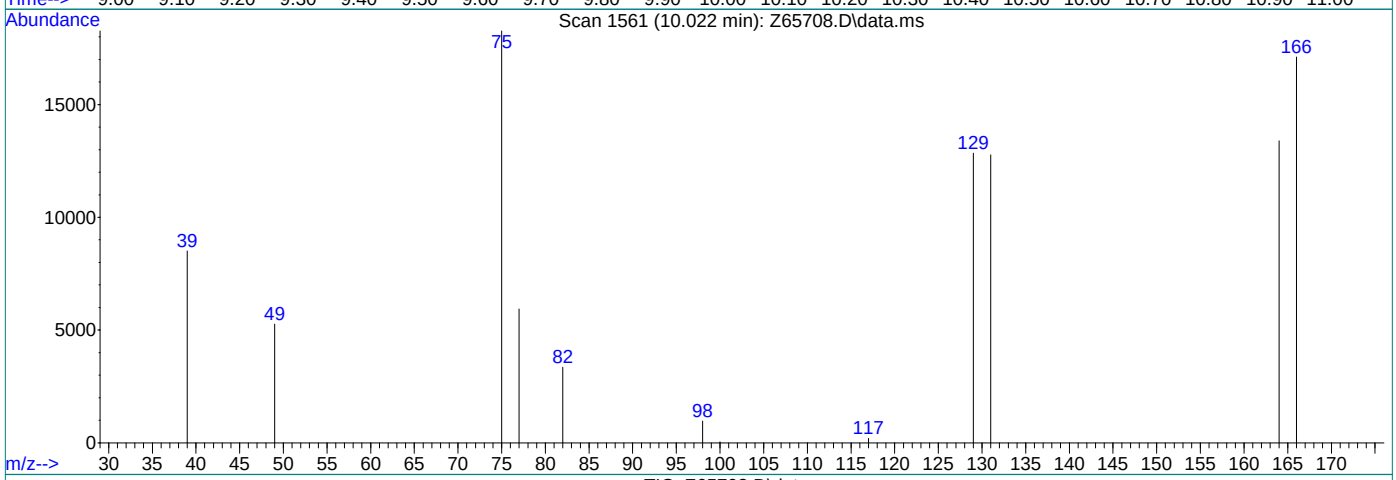
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	45.87
39.00	84.50	64.22
49.00	23.10	4.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 6.16ug/L m

response 30131

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.47
39.00	84.50	46.55#
49.00	23.10	28.79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration

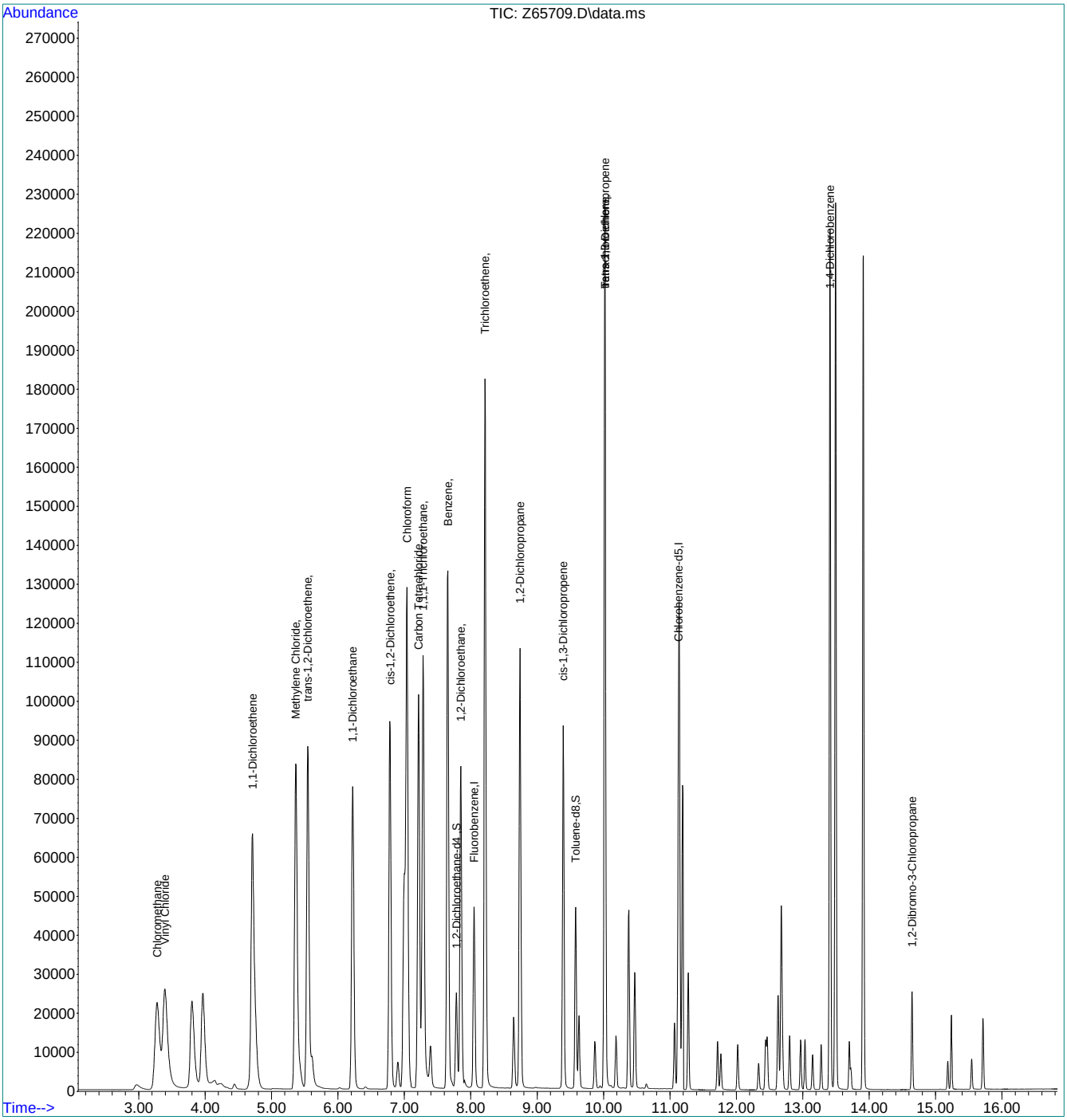
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55195	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.129	117	48252	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	22582	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	9.582	98	47291	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	87147	9.45	ug/L	96
3) Chloromethane	3.276	50	81950	8.21	ug/L	99
4) 1,1-Dichloroethene	4.713	61	92518	11.17	ug/L	97
5) Methylene Chloride	5.364	49	83728	8.07	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	85573	11.18	ug/L	81
7) 1,1-Dichloroethane	6.220	63	107770	10.87	ug/L	95
8) cis-1,2-Dichloroethene	6.786	96	60298	10.43	ug/L #	72
9) Chloroform	7.039	83	131571	8.88	ug/L	87
10) Carbon Tetrachloride	7.213	117	85778	11.59	ug/L	98
11) 1,1,1-Trichloroethane	7.281	97	103685	11.29	ug/L	88
12) Benzene	7.655	78	224591	10.94	ug/L	78
14) 1,2-Dichloroethane	7.851	62	83812	11.13	ug/L	85
15) Trichloroethene	8.214	95	64672	11.09	ug/L	95
16) 1,2-Dichloropropane	8.742	63	57120	11.25	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	78434	13.06	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	74120	12.76	ug/L #	72
21) Tetrachloroethene	10.022	166	62347	10.21	ug/L #	93
22) 1,4-Dichlorobenzene	13.411	146	130489	10.47	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9365	10.71	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration

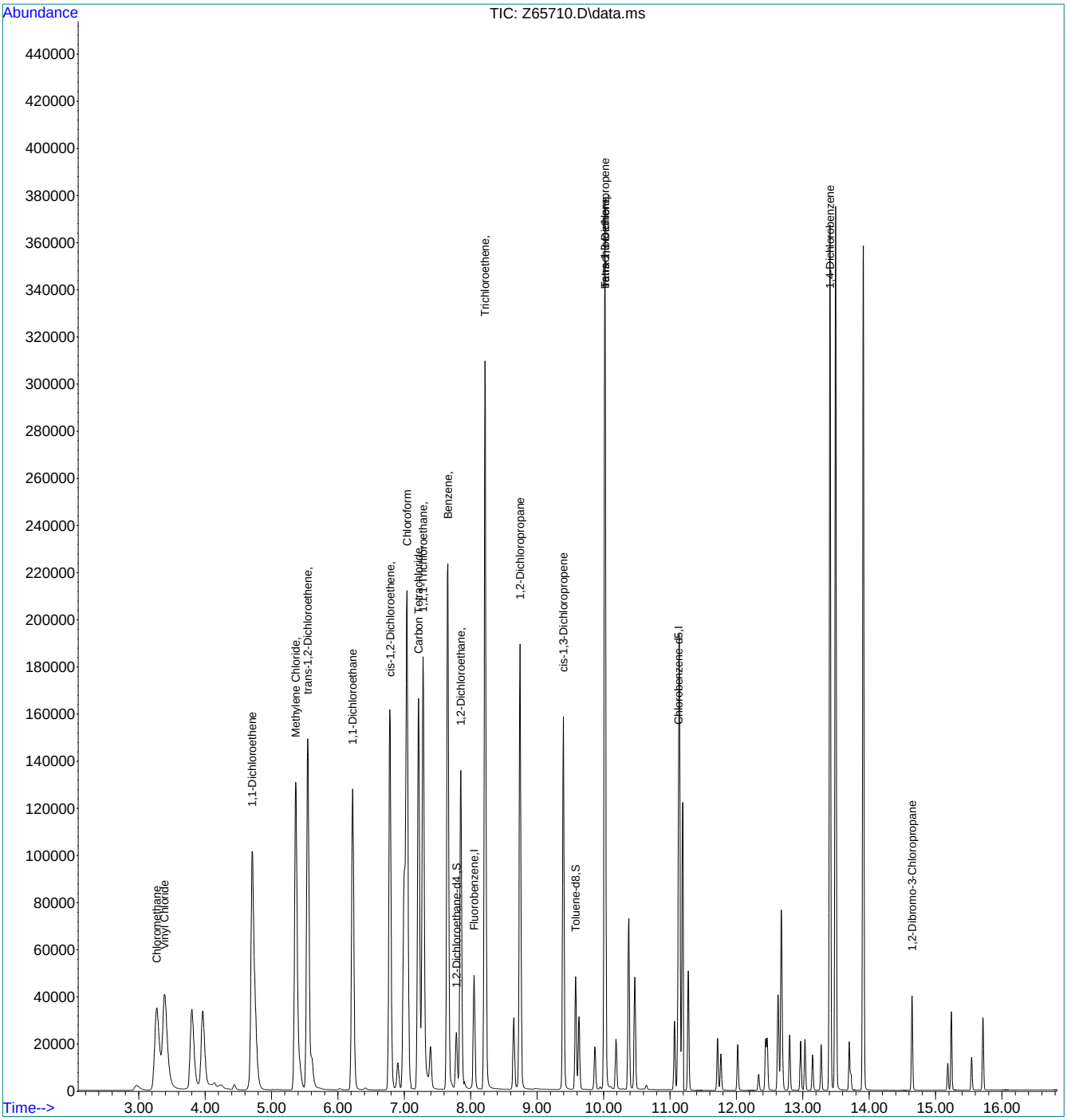
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57390	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	47769	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22673	4.87	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.40%				
19) Toluene-d8	9.582	98	47981	4.85	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	133937	13.98	ug/L		96
3) Chloromethane	3.272	50	127115	12.02	ug/L		99
4) 1,1-Dichloroethene	4.709	61	150476	16.82	ug/L		97
5) Methylene Chloride	5.364	49	131443	11.80	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	143177	17.31	ug/L		79
7) 1,1-Dichloroethane	6.221	63	176336	16.46	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	103793	16.95	ug/L	#	71
9) Chloroform	7.039	83	216866	13.64	ug/L		87
10) Carbon Tetrachloride	7.214	117	140667	17.42	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	172786	17.31	ug/L		87
12) Benzene	7.655	78	378779	17.25	ug/L		77
14) 1,2-Dichloroethane	7.852	62	136164	16.57	ug/L		85
15) Trichloroethene	8.214	95	109876	17.59	ug/L		94
16) 1,2-Dichloropropane	8.742	63	96080	17.39	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	132596	20.10	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	122935	20.36	ug/L	#	72
21) Tetrachloroethene	10.022	166	100210	16.24	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	215259	17.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	15048	16.45	ug/L	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration



Z65711.D

Manual Integrations APPROVED (compounds with "m" flag)

Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	62571	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	51778	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	24017	4.59	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.80%			
19) Toluene-d8	9.576	98	51975	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	187104	18.13	ug/L	95
3) Chloromethane	3.276	50	173024	14.83	ug/L	99
4) 1,1-Dichloroethene	4.708	61	215243	21.59	ug/L	98
5) Methylene Chloride	5.364	49	182569	14.76	ug/L #	59
6) trans-1,2-Dichloroethene	5.539	61	199142	21.53	ug/L	83
7) 1,1-Dichloroethane	6.221	63	250302	20.90	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	150870	22.45	ug/L #	74
9) Chloroform	7.039	83	307530	17.34	ug/L	86
10) Carbon Tetrachloride	7.213	117	201143	22.01	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	247681	21.97	ug/L	87
12) Benzene	7.648	78	546773	22.44	ug/L	80
14) 1,2-Dichloroethane	7.851	62	193807	20.89	ug/L	85
15) Trichloroethene	8.214	95	159528	22.97	ug/L	92
16) 1,2-Dichloropropane	8.742	63	137940	22.12	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	195826	26.26	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	180580m	26.60	ug/L	
21) Tetrachloroethene	10.022	166	145912	21.58	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	317300	23.27	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	21056	20.37	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

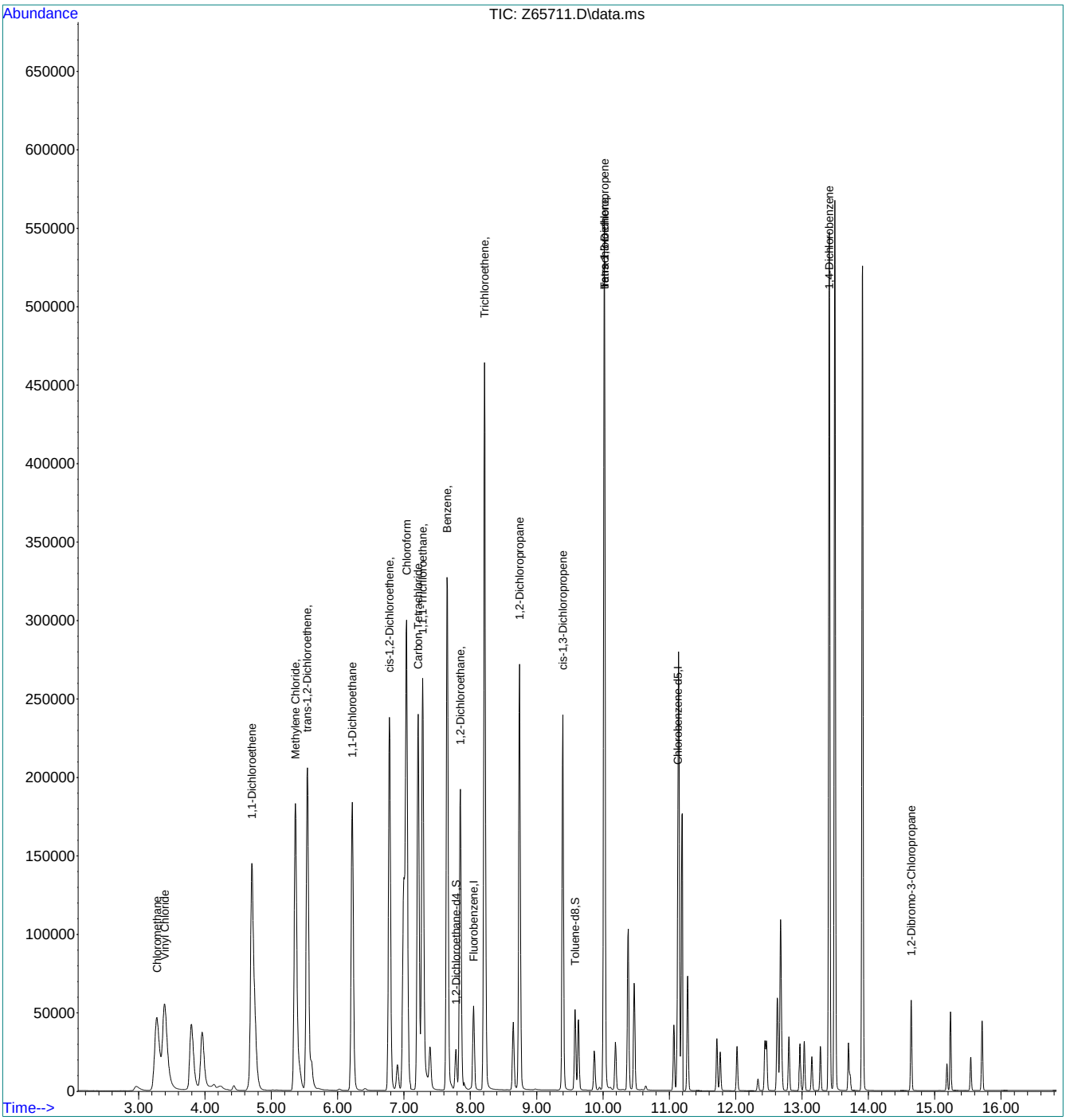
7.6.27

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration



Manual Integration Approval Summary

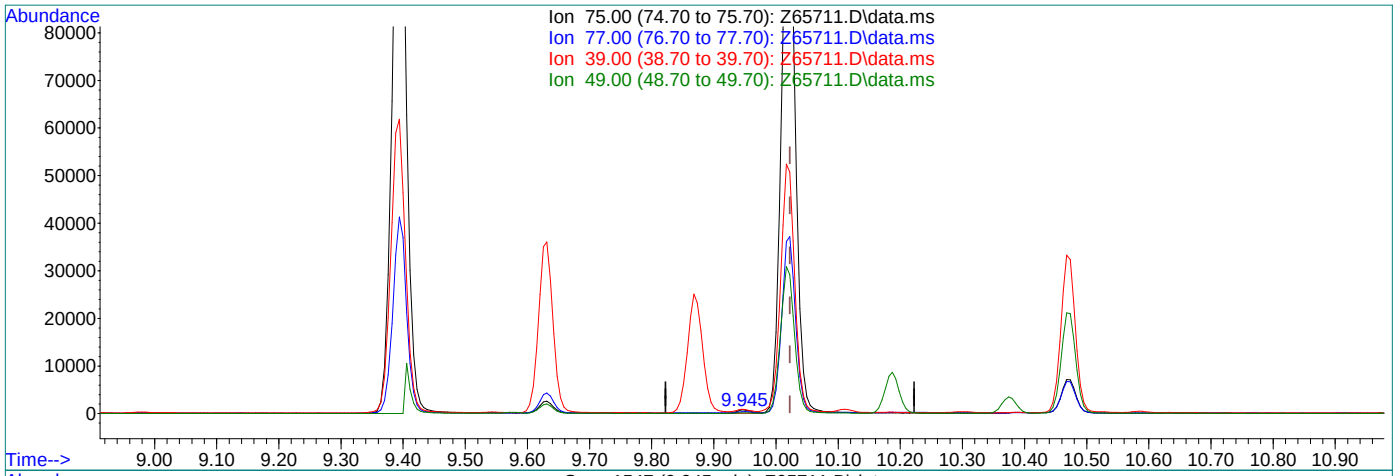
Sample Number: VZ2584-IC2584
Lab FileID: Z65711.D
Injection Time: 09/02/21 16:51
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

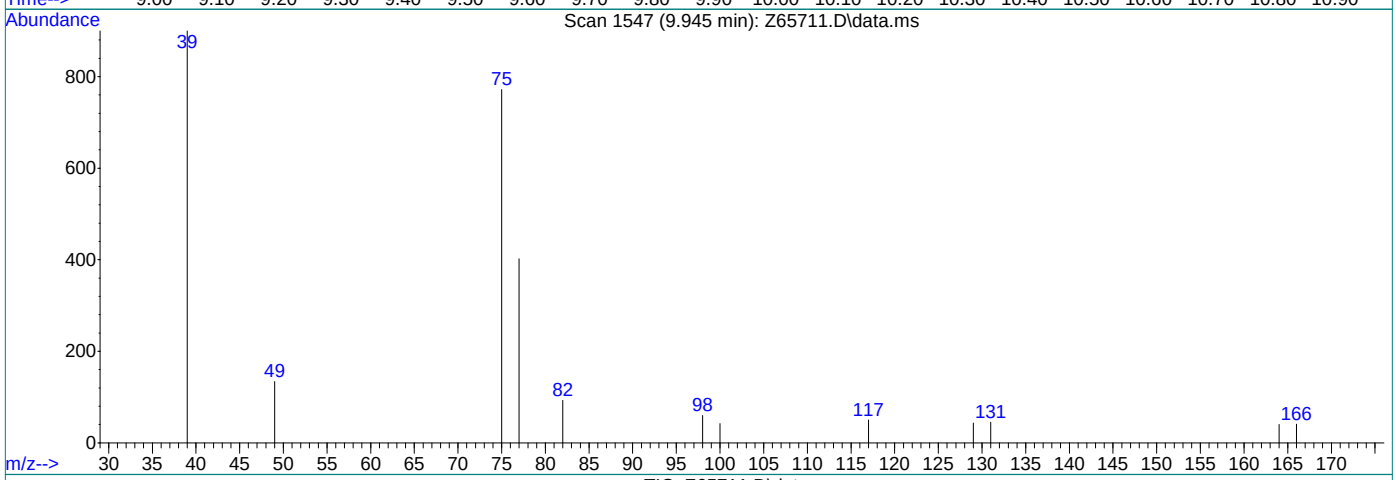
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.16ug/L

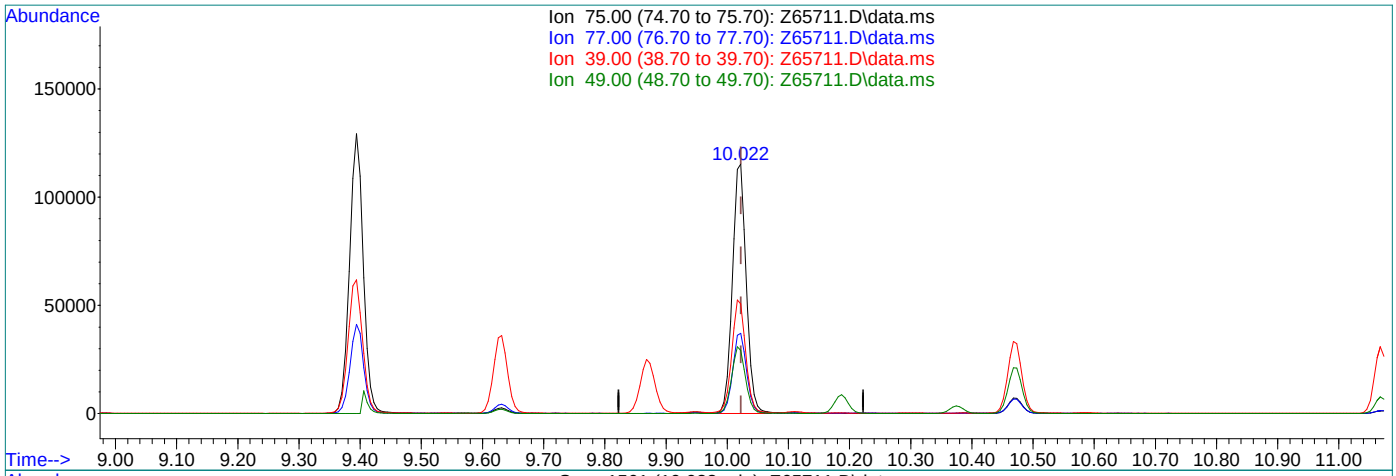
response 1119

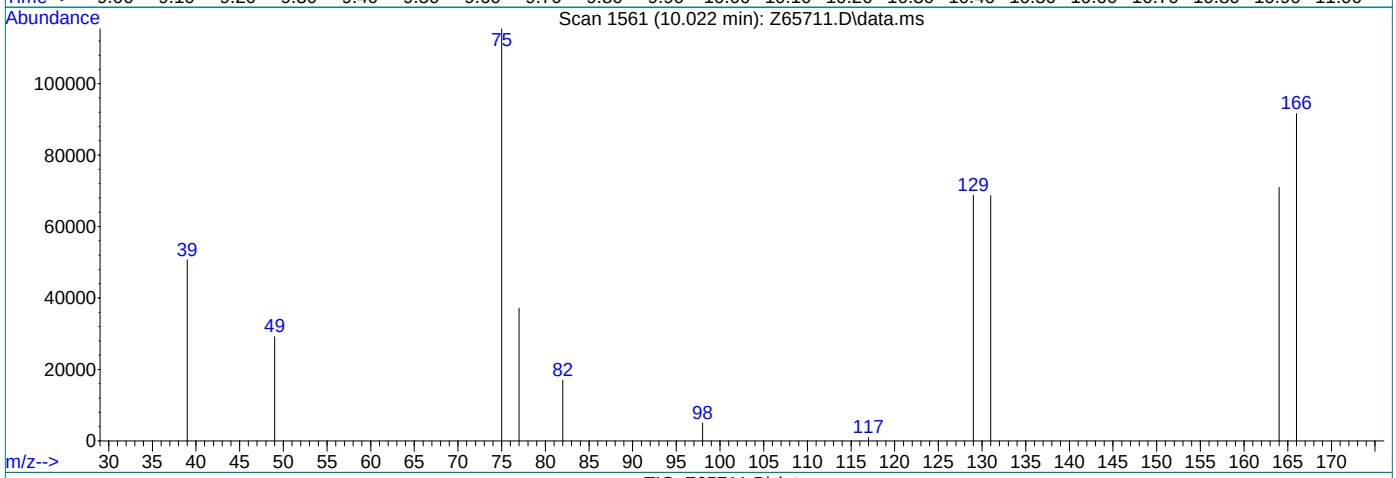
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	40.40
39.00	84.50	60.60
49.00	23.10	11.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (-0.000) 26.60ug/L m

response 180580

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.21
39.00	84.50	43.94#
49.00	23.10	25.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

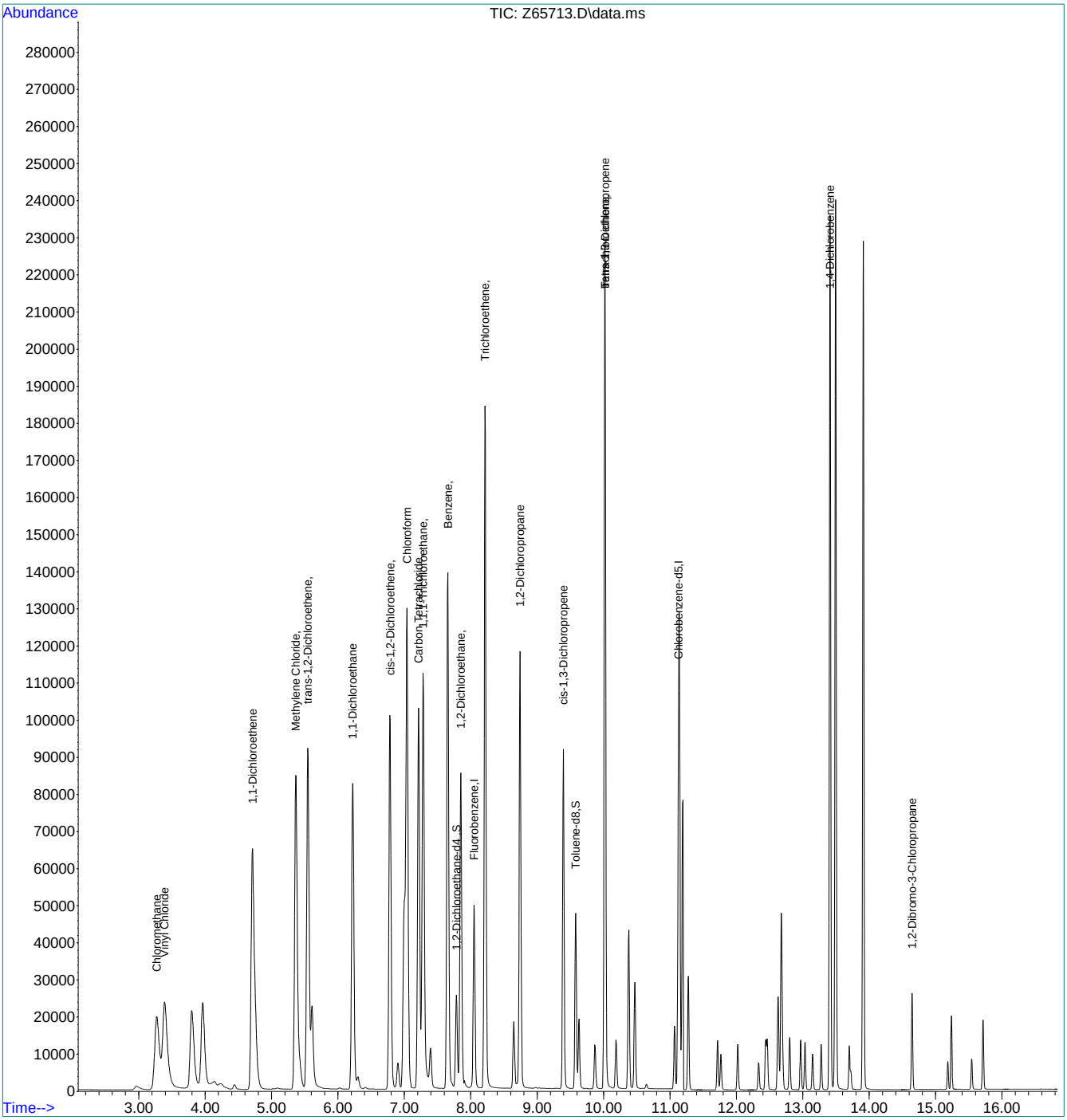
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	58471	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	49864	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	23498	4.68	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.60%			
19) Toluene-d8	9.582	98	47578	4.63	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	77995	8.11	ug/L	96
3) Chloromethane	3.272	50	71565	7.97	ug/L	99
4) 1,1-Dichloroethene	4.713	61	97316	10.11	ug/L	96
5) Methylene Chloride	5.364	49	84741	9.28	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	89226	10.00	ug/L	81
7) 1,1-Dichloroethane	6.221	63	115788	9.98	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	64106	9.96	ug/L #	72
9) Chloroform	7.039	83	134201	9.28	ug/L	87
10) Carbon Tetrachloride	7.213	117	87096	9.72	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	105445	9.55	ug/L	89
12) Benzene	7.655	78	232516	9.93	ug/L	78
14) 1,2-Dichloroethane	7.851	62	85793	9.49	ug/L	85
15) Trichloroethene	8.214	95	66641	9.97	ug/L	95
16) 1,2-Dichloropropane	8.742	63	59794	9.84	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	75760	9.17	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	76225	9.76	ug/L #	72
21) Tetrachloroethene	10.022	166	59587	8.94	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	139378	10.44	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9674	9.62	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

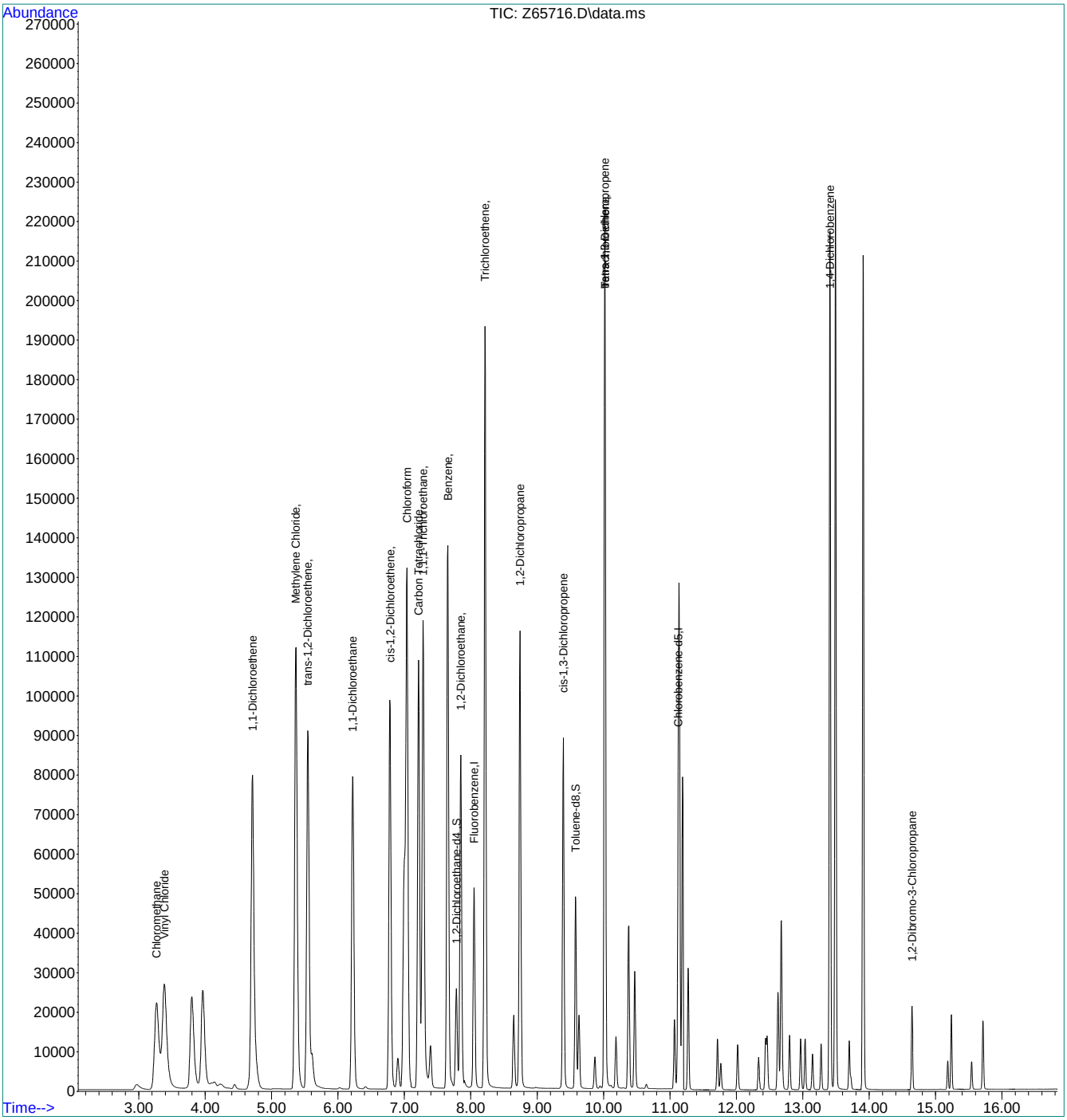
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	60582	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	49907	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	23716	4.56	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.20%				
19) Toluene-d8	9.577	98	49419	4.81	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	82227	8.25	ug/L		95
3) Chloromethane	3.267	50	76870	8.29	ug/L		99
4) 1,1-Dichloroethene	4.713	61	96337	9.66	ug/L		97
5) Methylene Chloride	5.364	49	104781	11.20	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	88507	9.58	ug/L		80
7) 1,1-Dichloroethane	6.220	63	111204	9.25	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	63448	9.52	ug/L	#	72
9) Chloroform	7.039	83	137434	9.17	ug/L		87
10) Carbon Tetrachloride	7.213	117	90473	9.74	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	110338	9.64	ug/L		88
12) Benzene	7.654	78	233885	9.64	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85343	9.11	ug/L		85
15) Trichloroethene	8.214	95	68431	9.88	ug/L		94
16) 1,2-Dichloropropane	8.742	63	59715	9.48	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75248	8.83	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	66672m	8.64	ug/L		
21) Tetrachloroethene	10.022	166	62878	9.43	ug/L	#	94
22) 1,4-Dichlorobenzene	13.411	146	130239	9.74	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	7910	7.88	ug/L	#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

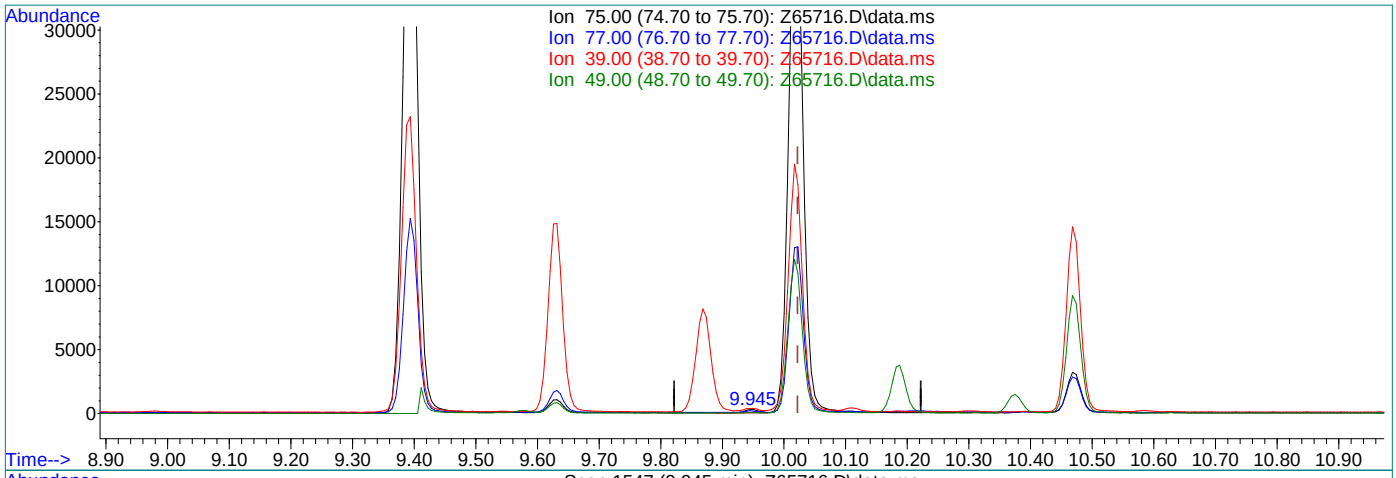
Sample Number: VZ2585-CC2584
Lab FileID: Z65716.D
Injection Time: 09/03/21 10:03
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

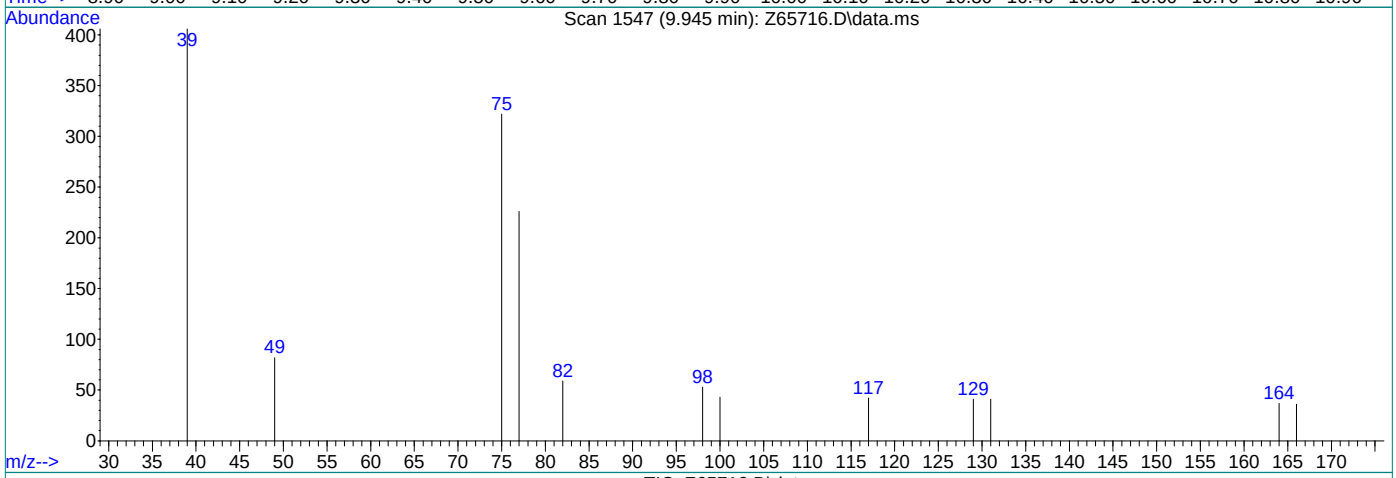
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.06ug/L

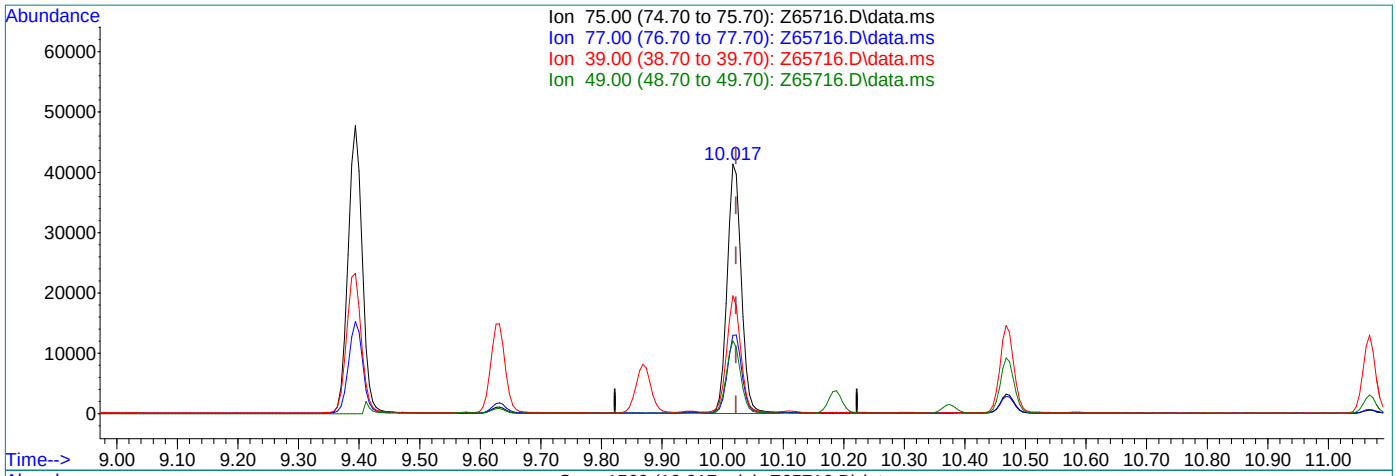
response 433

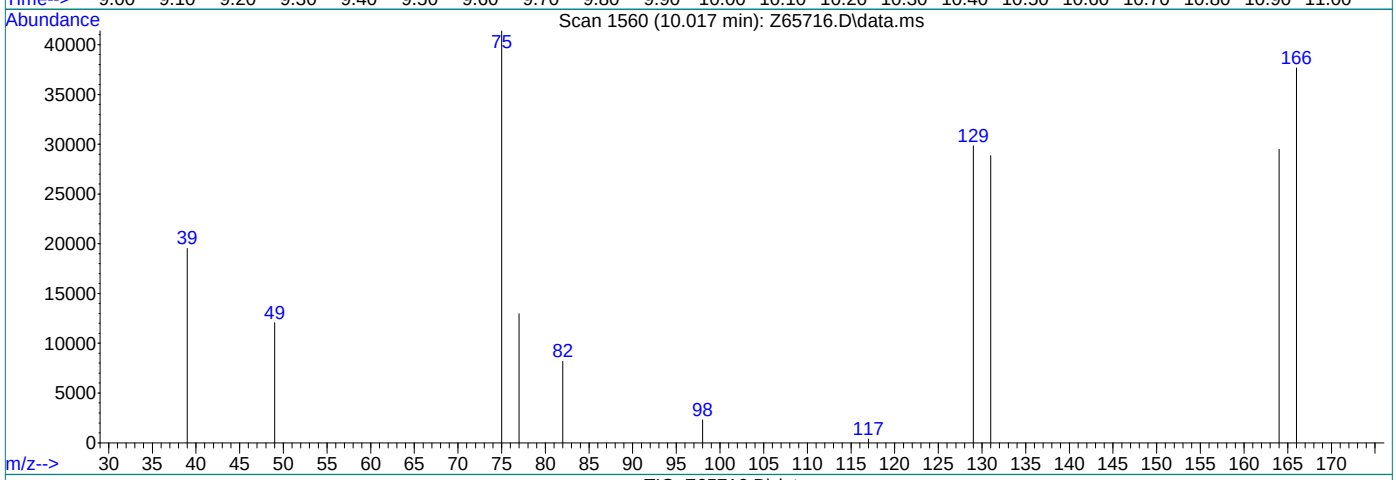
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	48.70
39.00	84.50	55.76
49.00	23.10	11.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 8.64ug/L m

response 66672

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.35
39.00	84.50	47.18#
49.00	23.10	29.17

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	48867	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	41202	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20903	4.98	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%			
19) Toluene-d8	9.582	98	38405	4.52	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	84605	10.52	ug/L	96
3) Chloromethane	3.276	50	78623	10.71	ug/L	98
4) 1,1-Dichloroethene	4.713	61	88223	10.96	ug/L	97
5) Methylene Chloride	5.364	49	117218	16.00	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	80165	10.75	ug/L	80
7) 1,1-Dichloroethane	6.221	63	102015	10.52	ug/L	95
8) cis-1,2-Dichloroethene	6.786	96	55479	10.32	ug/L #	72
9) Chloroform	7.039	83	124572	10.31	ug/L	87
10) Carbon Tetrachloride	7.213	117	81069	10.82	ug/L	96
11) 1,1,1-Trichloroethane	7.281	97	98421	10.66	ug/L	89
12) Benzene	7.655	78	208595	10.66	ug/L	78
14) 1,2-Dichloroethane	7.851	62	76777	10.16	ug/L	85
15) Trichloroethene	8.214	95	61339	10.98	ug/L	96
16) 1,2-Dichloropropane	8.742	63	51055	10.05	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	62240	9.03	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	60324m	9.38	ug/L	
21) Tetrachloroethene	10.022	166	53138	9.65	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	116459	10.55	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8233	9.90	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

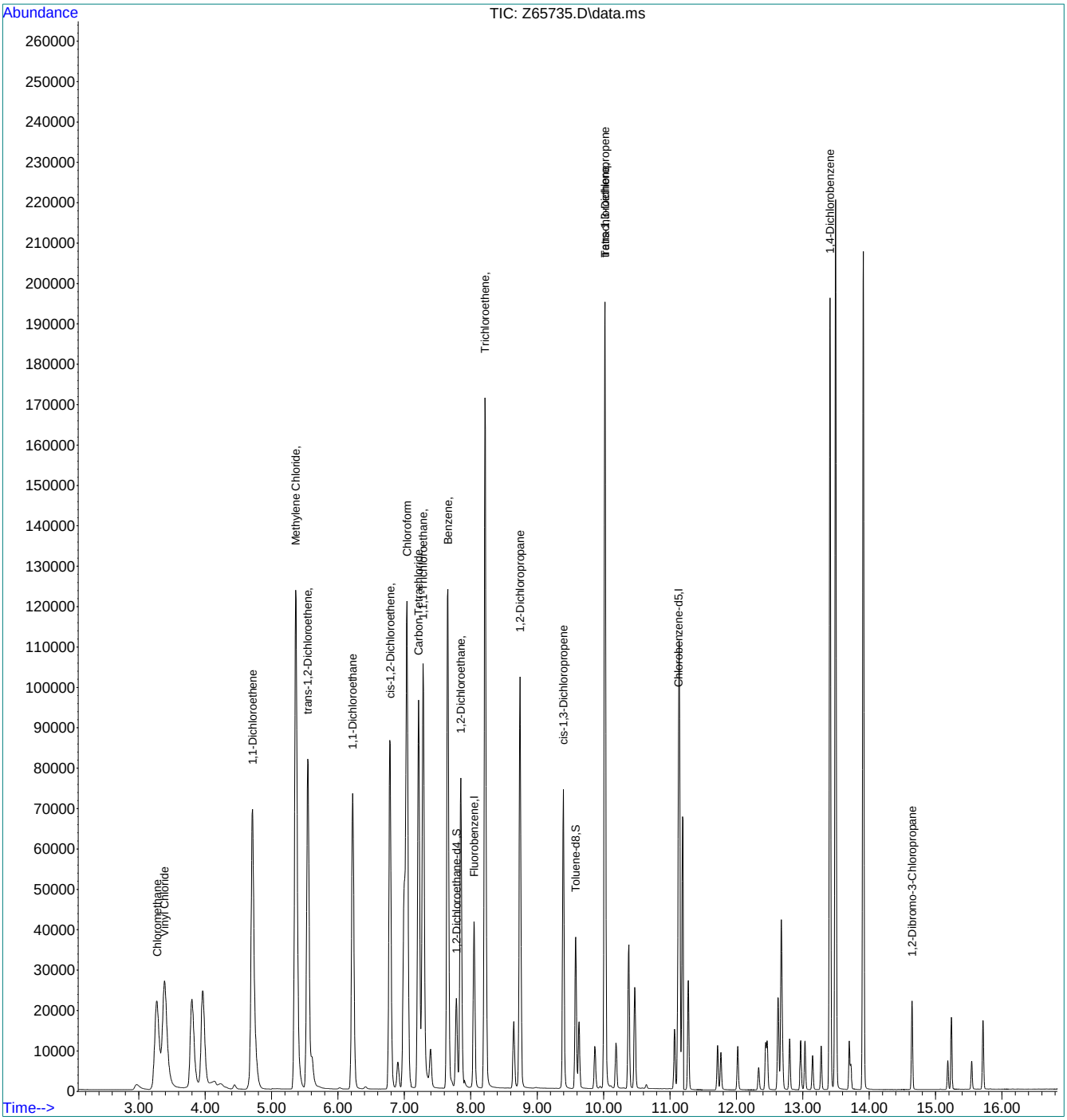
7.6.30

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



SIMCL-09-02-2021.M Sat Sep 04 08:57:57 2021 Page: 2

Manual Integration Approval Summary

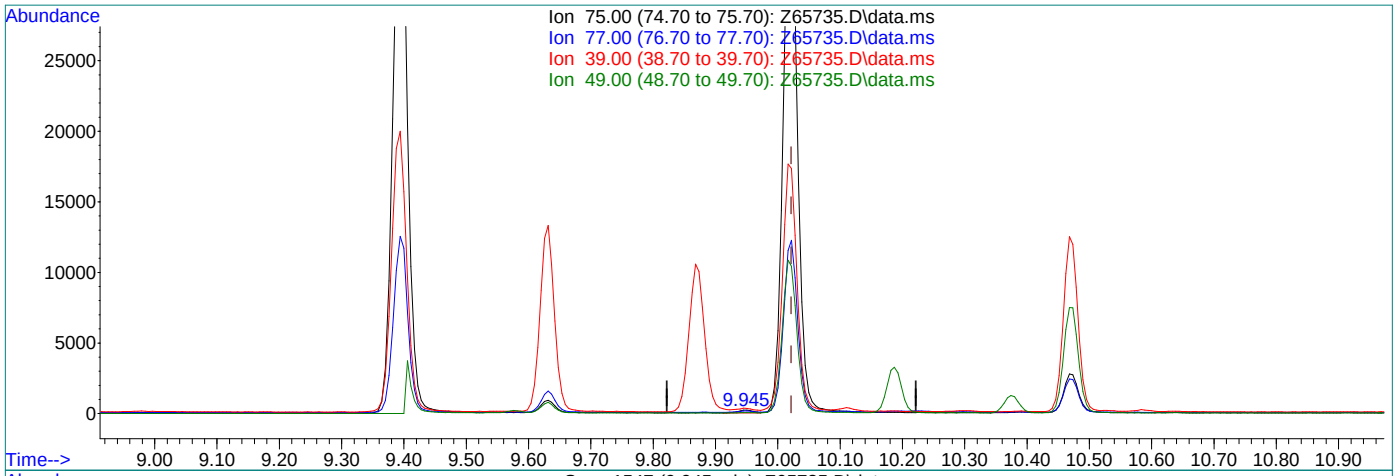
Sample Number: VZ2585-ECC2584
Lab FileID: Z65735.D
Injection Time: 09/03/21 17:15
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

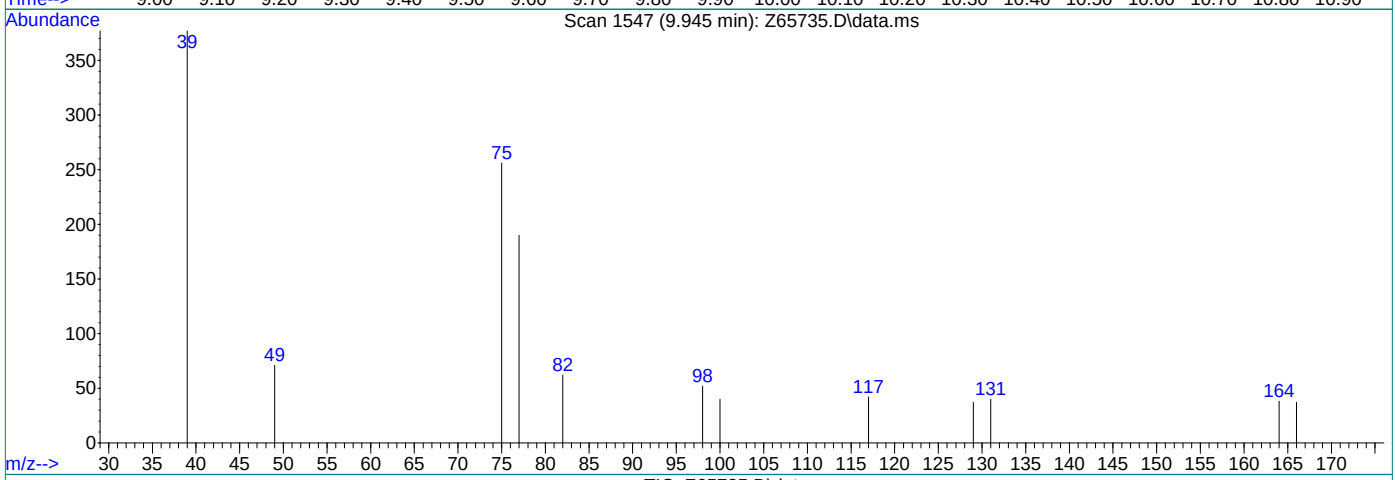
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.05ug/L

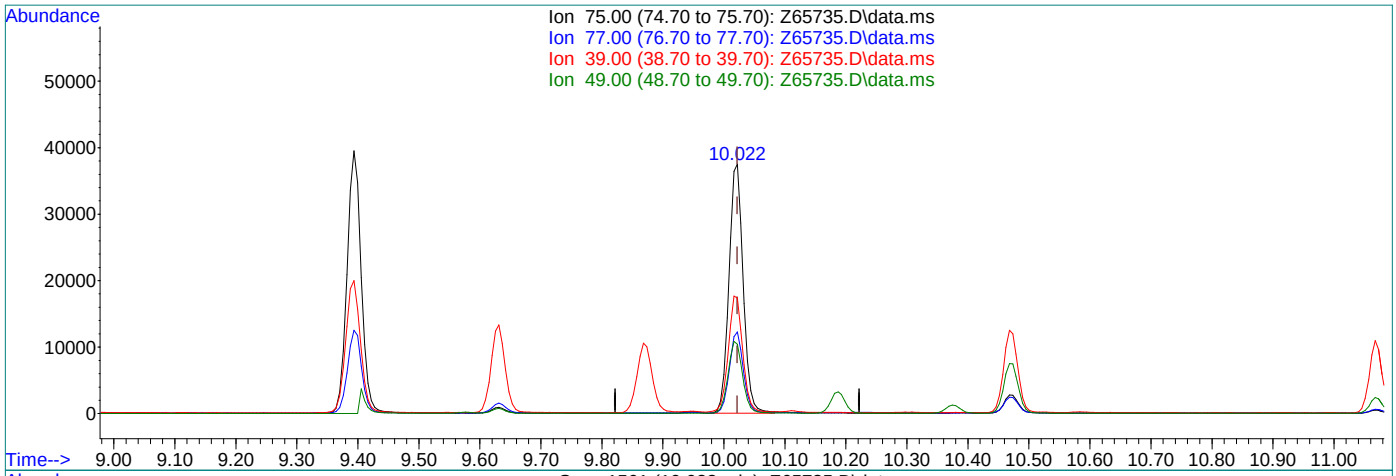
response 313

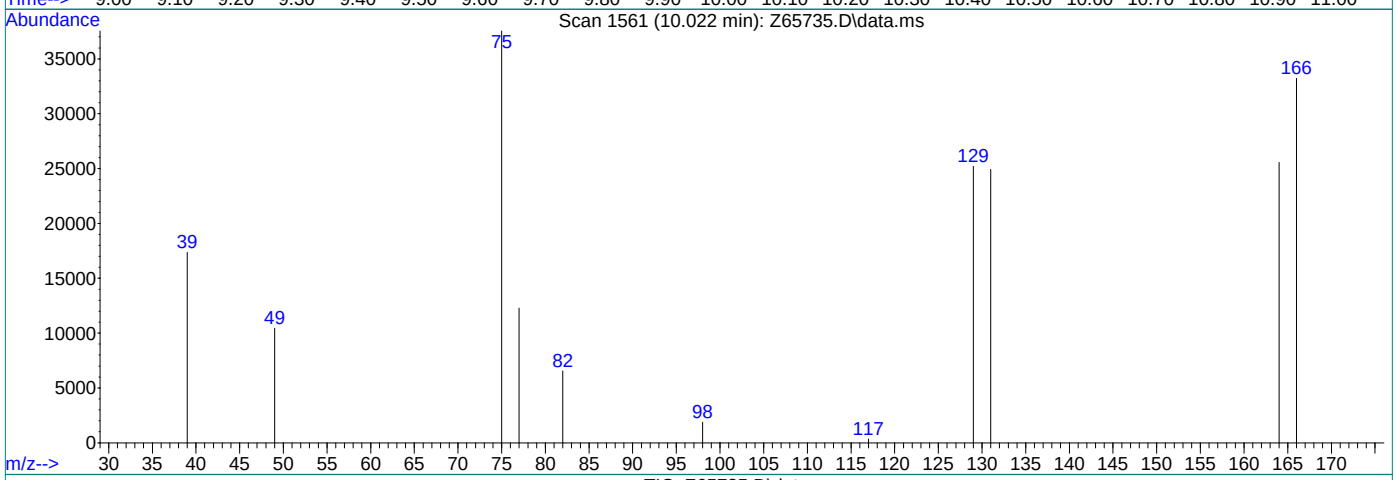
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	52.00
39.00	84.50	72.00
49.00	23.10	11.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 9.38ug/L m

response 60324

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.68
39.00	84.50	46.24#
49.00	23.10	27.77

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/03/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-03-2021.M
CALIB. DATE:	9/3/2021
EM VOLTAGE:	1600V
BFB RESPONSE	3190870
AFA:	N/A
RUN ID:	**VO2546**

BFB:	V26371
ICAL/CC:	VS1466, VS1463
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1464

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O64949	MB	-	-	W	1	BFB_SIM		-	-	-	
O64950	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O64951	IC2546-1	-	-	W	3	ACQ_SIMCLb		-	-	-	1uL→ 100mL
O64952	IC2546-2	-	-	W	4	ACQ_SIMCLb		-	-	-	**5uL→ 100mL**
O64953	IC2546-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O64954	IC2546-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O64955	ICC2546-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64956	IC2546-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ **50mL**
O64957	IC2546-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O64958	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O64959	ICV2546-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/04/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-03-2021.M
CALIB. DATE:	9/3/2021
EM VOLTAGE:	1600V
BFB RESPONSE	3420751
AFA:	N/A
RUN ID:	**VO2547**

BFB:	V26371
ICAL/CC:	VS1466, VS1463
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1464

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/07/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O64960	MB	-	-	W	1	BFB_SIM		-	-	-	
O64961	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O64962	CC2546-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64963	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O64964	MB	-	-	W	5	ACQ_SIMCLb	#9 PDB	-	-	-	
O64965	MB	-	-	W	6	ACQ_SIMCLb	#9 PDB	-	-	-	
O64966	FA88610-1	1x	1	W	7	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64967	FA88610-2	1x	1	W	8	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64968	FA88610-3	1x	1	W	9	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64969	FA88610-4	1x	1	W	10	ACQ_SIMCLb	#9 PDB	1	N	-	
O64970	FA88610-5	1x	1	W	11	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O64971	FA88610-7	1x	1	W	12	ACQ_SIMCLb	#9 PDB	1	N	-	
O64972	FA88610-8	1x	1	W	13	ACQ_SIMCLb	#9 PDB	1	N	-	
O64973	FA88610-9	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O64974	FA88610-10	1x	1	W	15	ACQ_SIMCLb		1	N	-	
O64975	FA88610-11	1x	1	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O64976	Conditioning STD	-	-	W	17	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O64977	MB	-	-	W	18	ACQ_SIMCLb		-	-	-	
O64978	FA88610-12	1x	1	W	19	ACQ_SIMCLb		1	N	-	
O64979	FA88610-13	1x	1	W	20	ACQ_SIMCLb		1	N	-	
O64980	FA88610-14	1x	1	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O64981	FA88610-15	1x	1	W	22	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64982	FA88610-16	1x	1	W	23	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64983	FA88610-17	1x	1	W	24	ACQ_SIMCLb	#9 PDB	1	N	-	
O64984	FA88610-18	1x	1	W	25	ACQ_SIMCLb	#9, 10 PDB	1	N	1x	SS1↑
O64985	FA88608-3	1x	2	W	26	ACQ_SIMCLb	#9 PDB	1	N	-	SS1↑; ND
O64986	FA88610-1MS	5x	1	W	27	ACQ_SIMCLb	#4, 5, 6, 8 OP	1	N	-	20uL→ 40mL
O64987	FA88610-1MSD	5x	1	W	28	ACQ_SIMCLb	#4, 6, 8 OP	1	N	-	20uL→ 40mL
O64988	ECC2546-5	-	-	W	29	ACQ_SIMCLb	#4, 6, 8 OP	-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/07/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-07-2021.M
CALIB. DATE:	9/7/2021
EM VOLTAGE:	1600V
BFB RESPONSE	7666029
AFA:	N/A
RUN ID:	**VO2549**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/07/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65000	BFB	-	-	W	1	BFB_SIM		-	-	-	Autofind PASS
O65001	MB	-	-	W	2	BFB_SIM		-	-	-	
O65002	Level 5 Test	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65003	MB	-	-	W	4	ACQ_SIMCLb		-	-	-	
O65004	IC2549-1	-	-	W	5	ACQ_SIMCLb	#9PDB	-	-	-	1uL→ 100mL
O65005	IC2549-2	-	-	W	6	ACQ_SIMCLb	#10PDB	-	-	-	5uL→ 100mL
O65006	IC2549-3	-	-	W	7	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65007	IC2549-4	-	-	W	8	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65008	ICC2549-5	-	-	W	9	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65009	IC2549-6	-	-	W	10	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65010	IC2549-7	-	-	W	11	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65011	MB	-	-	W	12	ACQ_SIMCLb		-	-	-	
O65012	ICV2549-5	-	-	W	13	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/07/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-07-2021.M
CALIB. DATE:	9/7/2021
EM VOLTAGE:	1600V
BFB RESPONSE	3301035
AFA:	N/A
RUN ID:	VO2550

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/08/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65013	MB	-	-	W	14	BFB_SIM		-	-	-	
O65014	BFB	-	-	W	15	BFB_SIM		-	-	-	Autofind Pass ✔
O65015	CC2549-5	-	-	W	16	ACQ_SIMCLb		-	-	-	50uL→ 50mL ✔
O65016	BS	-	-	W	17	ACQ_SIMCLb		-	-	-	20uL→ 40mL ✔
O65017	MB	-	-	W	18	ACQ_SIMCLb		-	-	-	Methyl Chloride hit
O65018	MB	-	-	W	19	ACQ_SIMCLb	#9PDB	-	-	-	Methyl Chloride hit
O65019	FA88617-13	1x	1	W	20	ACQ_SIMCLb	#9PDB	1	N	-	
O65020	FA88617-14	1x	1	W	21	ACQ_SIMCLb	#9PDB	1	N	-	
O65021	FA88617-15	1x	1	W	22	ACQ_SIMCLb	#9PDB	1	N	-	
O65022	FA88617-16	1x	1	W	23	ACQ_SIMCLb		1	N	-	
O65023	FA88617-17	1x	1	W	24	ACQ_SIMCLb	#9PDB	1	N	-	
O65024	FA88617-18	1x	1	W	25	ACQ_SIMCLb		1	N	1x	SS1↑
O65025	FA88617-19	1x	1	W	26	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65026	FA88617-20	1x	1	W	27	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65027	FA88617-21	1x	1	W	28	ACQ_SIMCLb		1	N	1x	SS1↑
O65028	FA88617-22	1x	1	W	29	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65029	FA88617-23	1x	1	W	30	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65030	FA88617-24	1x	1	W	31	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65031	FA88617-25	1x	1	W	32	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65032	FA88617-26	1x	1	W	33	ACQ_SIMCLb		1	N	-	SS1↑ ; ND
O65033	FA88610-15	1x	2	W	34	ACQ_SIMCLb	#9, 10PDB	1	N	1x	SS1↑ ; CfS
O65034	FA88610-16	1x	2	W	35	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑ ; CfS
O65035	FA88610-18	1x	2	W	36	ACQ_SIMCLb	#9, 10PDB	1	N	1x	SS1↑ ; CfS
O65036	FA88604-1	1x	1	W	37	ACQ_SIMCLb		1	N	1x	SS1↑
O65037	FA88604-2	1x	1	W	38	ACQ_SIMCLb	#9PDB	1	N	1x	SS1↑
O65038	FA88604-3	1x	1	W	39	ACQ_SIMCLb		1	N	1x	SS1↑
O65039	FA88610-15MS	5x	3	W	40	ACQ_SIMCLb		1	N	-	20uL→ 40mL ✔
O65040	FA88610-15MSD	5x	3	W	41	ACQ_SIMCLb		1	N	-	20uL→ 40mL ✔
O65041	ECC2549-5	-	-	W	42	ACQ_SIMCLb		-	-	-	50uL→ 50mL ✔

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/02/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1437809	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2584		DATE VERIFIED: 09/03/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65700	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65701	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65702	CC2575-5	-	-	w	3	ACQ_SIMCLB		-	-	-	50µL → 50mL ; multiple failures
Z65703	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL
Z65704	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65705	IC2584-1	-	-	w	6	ACQ_SIMCLB	#3, 22, 23 MP ; #9-11 PDB	-	-	-	1µL → 100mL ✓
Z65706	IC2584-2	-	-	w	7	ACQ_SIMCLB	#9, 10 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65707	IC2584-3	-	-	w	8	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65708	IC2584-4	-	-	w	9	ACQ_SIMCLB	#20 MP	-	-	-	25µL → 50mL ✓
Z65709	ICC2584-5	-	-	w	10	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65710	IC2584-6	-	-	w	11	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65711	IC2584-7	-	-	w	12	ACQ_SIMCLB	#20 MP	-	-	-	100µL → 50mL ✓
Z65712	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65713	ICV2584-5	-	-	w	14	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/03/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1582784	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2585		DATE VERIFIED: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65714	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65715	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65716	CC2584-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65717	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65718	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65719	MB	-	-	w	6	ACQ_SIMCLB		-	-	-	
Z65720	FA88610-6	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65721	FA88607-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65722	FA88607-1	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65723	FA88607-3	1x	1	w	10	ACQ_SIMCLB		1	N	-	
Z65724	FA88607-4	1x	1	w	11	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65725	FA88605-1	1x	1	w	12	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65726	FA88605-2	1x	1	w	13	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65727	FA88605-3	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65728	Conditioning Std.	-	-	w	15	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65729	Blank	-	-	w	16	ACQ_SIMCLB		-	-	-	
Z65730	FA88608-1	1x	1	w	17	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65731	FA88608-2	1x	1	w	18	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65732	FA88608-3	1x	1	w	19	ACQ_SIMCLB		1	N	1x	GC Connection lost - not acq.
Z65733	FA88607-3MS	5x	1	w	20	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65734	FA88607-3MSD	5x	1	w	21	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65735	ECC2584-5	1x	1	w	22	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.

Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

SGS Job Number: FA88620

Sampling Date: 08/31/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
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hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **319**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Test results relate only to samples analyzed.

Table of Contents

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88620

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88620-1	08/31/21	07:30	TSLB	09/02/21	AQ	Trip Blank Water	2135XOU2168A
FA88620-2	08/31/21	09:05	TSLB	09/02/21	AQ	Ground Water	2135X0BW171F
FA88620-3	08/31/21	09:38	TSLB	09/02/21	AQ	Ground Water	2135X0BW172F
FA88620-4	08/31/21	09:58	TSLB	09/02/21	AQ	Ground Water	2135X0BW173F
FA88620-5	08/31/21	10:01	TSLB	09/02/21	AQ	Ground Water	2135X0BW174D
FA88620-6	08/31/21	10:10	TSLB	09/02/21	AQ	Ground Water	2135X0BW175C
FA88620-7	08/31/21	10:48	TSLB	09/02/21	AQ	Ground Water	2135X0BW176F
FA88620-8	08/31/21	11:00	TSLB	09/02/21	AQ	Ground Water	2135X0BW177F
FA88620-9	08/31/21	11:20	TSLB	09/02/21	AQ	Ground Water	2135X0BW178F
FA88620-10	08/31/21	11:30	TSLB	09/02/21	AQ	Ground Water	2135X00B179F
FA88620-11	08/31/21	11:33	TSLB	09/02/21	AQ	Ground Water	2135X0BW180D
FA88620-12	08/31/21	13:20	TSLB	09/02/21	AQ	Ground Water	2135X0BW181F
FA88620-13	08/31/21	13:26	TSLB	09/02/21	AQ	Ground Water	2135X0BW182F

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88620

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88620-14	08/31/21	13:46	TSLB	09/02/21	AQ	Ground Water	2135X0BW183F
FA88620-15	08/31/21	14:15	TSLB	09/02/21	AQ	Ground Water	2135X0BW185F
FA88620-16	08/31/21	14:45	TSLB	09/02/21	AQ	Ground Water	2135X0BW187F
FA88620-17	08/31/21	15:00	TSLB	09/02/21	AQ	Ground Water	2135X0BW188F
FA88620-18	08/31/21	15:15	TSLB	09/02/21	AQ	Ground Water	2135X0BW189F
FA88620-19	08/31/21	15:30	TSLB	09/02/21	AQ	Ground Water	2135X0BW190F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88620

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/15/2021 2:16:04

On 09/02/2021, 18 Sample(s), 1 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 5.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88620 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2553

Sample(s) FA88620-2MS, FA88620-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VZ2590

Sample(s) FA88606-3MS, FA88606-3MSD were used as the QC samples indicated.

Sample(s) FA88620-1 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference. interference.

FA88620-1 for Methylene Chloride: Suspected laboratory contaminant.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88620
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88620-1	**2135XOU2168A**					
Methylene Chloride [a]		0.52 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88620-2	**2135X0BW171F**					
Carbon Tetrachloride		0.17 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.93	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-3	**2135X0BW172F**					
Chloroform		0.13 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.27 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-4	**2135X0BW173F**					
Carbon Tetrachloride		0.43 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-5	**2135X0BW174D**					
Carbon Tetrachloride		0.45 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-6	**2135X0BW175C**					
No hits reported in this sample.						
FA88620-7	**2135X0BW176F**					
Carbon Tetrachloride		1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.15 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.43 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-8	**2135X0BW177F**					
Carbon Tetrachloride		0.36 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.72	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-9	**2135X0BW178F**					
Carbon Tetrachloride		0.43 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-10	**2135X00B179F**					
Carbon Tetrachloride		1.3	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88620
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88620-11	**2135X0BW180D**					
Carbon Tetrachloride		1.2	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.18 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-12	**2135X0BW181F**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-13	**2135X0BW182F**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-14	**2135X0BW183F**					
Carbon Tetrachloride		2.4	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.48 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-15	**2135X0BW185F**					
Carbon Tetrachloride		1.3	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.23 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-16	**2135X0BW187F**					
No hits reported in this sample.						
FA88620-17	**2135X0BW188F**					
No hits reported in this sample.						
FA88620-18	**2135X0BW189F**					
Carbon Tetrachloride		0.89	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.41 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88620-19	**2135X0BW190F**					
No hits reported in this sample.						

(a) Suspected laboratory contaminant.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135XOU2168A		
Lab Sample ID:	FA88620-1	**Date Sampled:**	08/31/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65840.D	1	09/10/21 15:51	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.52	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW171F		
Lab Sample ID:	FA88620-2	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65088.D	1	09/10/21 17:00	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.17	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.93	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW172F		
Lab Sample ID:	FA88620-3	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65089.D	1	09/10/21 17:22	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.27	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW173F		
Lab Sample ID:	FA88620-4	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65090.D	1	09/10/21 17:46	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.43	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW174D		
Lab Sample ID:	FA88620-5	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65091.D	1	09/10/21 18:09	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.45	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW175C		
Lab Sample ID:	FA88620-6	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65092.D	1	09/10/21 18:32	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW176F		
Lab Sample ID:	FA88620-7	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65093.D	1	09/10/21 18:55	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.15	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.43	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW177F		
Lab Sample ID:	FA88620-8	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65094.D	1	09/10/21 19:18	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.36	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.72	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW178F		
Lab Sample ID:	FA88620-9	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65095.D	1	09/10/21 19:41	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.43	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X00B179F		
Lab Sample ID:	FA88620-10	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65096.D	1	09/10/21 20:04	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.3	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW180D		
Lab Sample ID:	FA88620-11	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65097.D	1	09/10/21 20:27	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.2	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW181F		
Lab Sample ID:	FA88620-12	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65098.D	1	09/10/21 20:50	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW182F		
Lab Sample ID:	FA88620-13	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65099.D	1	09/10/21 21:13	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW183F		
Lab Sample ID:	FA88620-14	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65100.D	1	09/10/21 21:36	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.4	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.48	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW185F		
Lab Sample ID:	FA88620-15	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65101.D	1	09/10/21 22:00	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.3	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.23	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW187F		
Lab Sample ID:	FA88620-16	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65102.D	1	09/10/21 22:23	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW188F		
Lab Sample ID:	FA88620-17	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65103.D	1	09/10/21 22:46	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW189F		
Lab Sample ID:	FA88620-18	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65104.D	1	09/10/21 23:09	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.89	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.41	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW190F		
Lab Sample ID:	FA88620-19	**Date Sampled:**	08/31/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65105.D	1	09/10/21 23:31	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CADS2353
Ahtna

CHAIN OF CUSTODY

FA88620

WATER / SOIL

1 of 2

Chain of Custody #: 0319

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord , CA
Sampler/s: T. Stuart / L. Barger
Project Name: Basewide GWM 3Q2021
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q 2021
Laboratory: SGS

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C): 5.4 IR

Lab Number	Sample Number/Description	Date	Time	Water	Soil	Other	Total # of Bottles	HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135XOU2168A	8/31/21	0730	X			2	X								X			
—	~~2135XOU2169F~~		~~0815~~	~~X~~			~~3~~	~~X~~								~~X~~			
2	2135XOBW171F	8/31/21	0905	X			3	X								X			
3	2135XOBW172F	↓	0938	X			3	X								X			
4	2135XOBW173F		0958	X			3	X								X			
5	2135XOBW174D		1001	X			2	X								X			
6	2135XOBW175C		1010	X			3	X								X			
7	2135XOBW176F		1048	X			3	X								X			
8	2135XOBW177F		1100	X			3	X								X			
9	2135XOBW178F		1120	X			3	X								X			
10	2135XOBW179F		1130	X			3	X								X			
11	2135XOBW180D		1133	X			2	X								X			
12	2135XOBW181F		1320	X			3	X								X			
13	2135XOBW182F		1326	X			3	X								X			
14	2135XOBW183F	↓	1346	X			3	X								X			

Turnaround Time: ✓ : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush

Shipment: Method: ____________ Tracking ID:

Comments:

OUCTP-A

Chain of Custody Tracking:

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By Sampler: [signature]	8-31-21 / 1625	Received By: Steve Kozlay	8-31-21 / 1630
Relinquished By: Steve Kozlay	9-1-21 / 1030	Received By: Lee Bantz	9/1/21 1030
Relinquished By: Lee Bantz / Fedex	9/1/21 1700	Received By Laboratory: FEDEX / [signature]	9/1/21 1700 / 9/2/21 940

FA88620: Chain of Custody
Page 1 of 3

CADS2353

Ahtna

FA88620

2 of 2

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0334

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA

Sampler/s: T. Stroot L. Bayer

Project Name: Basewide GWM 3Q 2021

Report To: Derek Lieberman

Project Number: 21065.000.01.0000

E-Mail: dlieberman@ahtna.net

Sampling Event/Site: 3Q 2021

Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
15	2135X08W185F	8/31/21	1415	X			3	X								X			
16	2135X08W187F	8/31/21	1445	X			3	X								X			
17	2135X08W186F		1500	X			3	X								X			
18	2135X08W189F		1515	X			3	X								X			
19	2135X08W190F	↓	1530	X			3	X								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: ____ Tracking ID: ____

Comments:

OLCTP-A

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	8-31-21 / 1625	Steve Kodray	8-31-21 / 1630
Relinquished By: Steve Kodray	Date/Time: 9-1-21 / 1030	Received By: Lee Bayer	Date/Time: 9/1/21 1030
Relinquished By: Lee Bayer	Date/Time: 9/1/21 1700	Received By Laboratory: FEDEX	Date/Time: 9/1/21 1700
Fedex		Myn Zaw	9/2/21 945

5.1 5

SGS Sample Receipt Summary

Job Number: FA88620 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP-A

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774705379942

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (5.4);

Cooler Temps (Corrected) °C: Cooler 1: (5.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: BRYANG Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

FA88620: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88620
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2553	SW846 8260B BY SIM						
VO2553-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VO2553-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VO2553-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	106	%	71-131
VO2553-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	106	%	79-121
VO2553-BS	75-09-2	Methylene Chloride	BSP	REC	90	%	74-124
VO2553-BS	127-18-4	Tetrachloroethylene	BSP	REC	108	%	74-129
VO2553-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VO2553-BS	75-01-4	Vinyl Chloride	BSP	REC	96	%	58-137
VO2553-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	100	%	81-118
VO2553-BS	2037-26-5	Toluene-D8	BSP	SURR	104	%	89-112
FA88620-2MS	56-23-5	Carbon Tetrachloride	MS	REC	109	%	72-136
FA88620-2MS	67-66-3	Chloroform	MS	REC	110	%	79-124
FA88620-2MS	75-35-4	1,1-Dichloroethylene	MS	REC	117	%	71-131
FA88620-2MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	116	%	79-121
FA88620-2MS	75-09-2	Methylene Chloride	MS	REC	122	%	74-124
FA88620-2MS	127-18-4	Tetrachloroethylene	MS	REC	114	%	74-129
FA88620-2MS	79-01-6	Trichloroethylene	MS	REC	109	%	79-123
FA88620-2MS	75-01-4	Vinyl Chloride	MS	REC	103	%	58-137
FA88620-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88620-2MS	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA88620-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	125	%	72-136
FA88620-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	13	%	20
FA88620-2MSD	67-66-3	Chloroform	MSD	REC	116	%	79-124
FA88620-2MSD	67-66-3	Chloroform	MSD	RPD	5	%	20
FA88620-2MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	123	%	71-131
FA88620-2MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	5	%	20
FA88620-2MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	122	%	79-121
FA88620-2MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FA88620-2MSD	75-09-2	Methylene Chloride	MSD	REC	129	%	74-124
FA88620-2MSD	75-09-2	Methylene Chloride	MSD	RPD	6	%	20
FA88620-2MSD	127-18-4	Tetrachloroethylene	MSD	REC	120	%	74-129
FA88620-2MSD	127-18-4	Tetrachloroethylene	MSD	RPD	6	%	20
FA88620-2MSD	79-01-6	Trichloroethylene	MSD	REC	117	%	79-123
FA88620-2MSD	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA88620-2MSD	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FA88620-2MSD	75-01-4	Vinyl Chloride	MSD	RPD	6	%	20
FA88620-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	104	%	81-118
FA88620-2MSD	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
VO2553-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
VO2553-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
FA88620-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88620-2	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112

* Sample used for QC is not from job FA88620

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88620
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88620-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-3	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88620-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88620-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-5	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-6	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-7	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88620-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-8	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88620-9	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-10	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88620-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-11	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-12	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-13	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88620-14	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88620-15	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88620-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88620-16	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88620-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88620-17	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88620-18	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88620-19	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88620-19	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
VZ2590	SW846 8260B BY SIM						
VZ2590-BS	56-23-5	Carbon Tetrachloride	BSP	REC	104	%	72-136
VZ2590-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VZ2590-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	102	%	71-131
VZ2590-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	101	%	79-121
VZ2590-BS	75-09-2	Methylene Chloride	BSP	REC	98	%	74-124
VZ2590-BS	127-18-4	Tetrachloroethylene	BSP	REC	110	%	74-129
VZ2590-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VZ2590-BS	75-01-4	Vinyl Chloride	BSP	REC	102	%	58-137

* Sample used for QC is not from job FA88620

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88620
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/31/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ2590-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	101	%	81-118
VZ2590-BS	2037-26-5	Toluene-D8	BSP	SURR	90	%	89-112
FA88606-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	113	%	72-136
FA88606-3MS*	67-66-3	Chloroform	MS	REC	113	%	79-124
FA88606-3MS*	75-35-4	1,1-Dichloroethylene	MS	REC	110	%	71-131
FA88606-3MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	110	%	79-121
FA88606-3MS*	75-09-2	Methylene Chloride	MS	REC	147	%	74-124
FA88606-3MS*	127-18-4	Tetrachloroethylene	MS	REC	117	%	74-129
FA88606-3MS*	79-01-6	Trichloroethylene	MS	REC	117	%	79-123
FA88606-3MS*	75-01-4	Vinyl Chloride	MS	REC	110	%	58-137
FA88606-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA88606-3MS*	2037-26-5	Toluene-D8	MS	SURR	86 [a]	%	89-112
FA88606-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	112	%	72-136
FA88606-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FA88606-3MSD*	67-66-3	Chloroform	MSD	REC	112	%	79-124
FA88606-3MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FA88606-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	110	%	71-131
FA88606-3MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA88606-3MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FA88606-3MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	0	%	20
FA88606-3MSD*	75-09-2	Methylene Chloride	MSD	REC	149	%	74-124
FA88606-3MSD*	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FA88606-3MSD*	127-18-4	Tetrachloroethylene	MSD	REC	116	%	74-129
FA88606-3MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	1	%	20
FA88606-3MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA88606-3MSD*	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA88606-3MSD*	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FA88606-3MSD*	75-01-4	Vinyl Chloride	MSD	RPD	1	%	20
FA88606-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA88606-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	87 [a]	%	89-112
VZ2590-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	103	%	81-118
VZ2590-MB	2037-26-5	Toluene-D8	MB	SURR	92	%	89-112
FA88620-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA88620-1	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* Sample used for QC is not from job FA88620

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2590-MB	Z65839.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-1

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	1.2	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

Method Blank Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2553-MB	O65086.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-2, FA88620-3, FA88620-4, FA88620-5, FA88620-6, FA88620-7, FA88620-8, FA88620-9, FA88620-10, FA88620-11, FA88620-12, FA88620-13, FA88620-14, FA88620-15, FA88620-16, FA88620-17, FA88620-18, FA88620-19

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	102%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

Blank Spike Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2590-BS	Z65838.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.2	104	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.1	102	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.1	101	76-127
75-09-2	Methylene Chloride	5	4.9	98	69-135
127-18-4	Tetrachloroethylene	5	5.5	110	76-135
79-01-6	Trichloroethylene	5	5.3	106	81-126
75-01-4	Vinyl Chloride	5	5.1	102	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	90%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2553-BS	O65085.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-2, FA88620-3, FA88620-4, FA88620-5, FA88620-6, FA88620-7, FA88620-8, FA88620-9, FA88620-10, FA88620-11, FA88620-12, FA88620-13, FA88620-14, FA88620-15, FA88620-16, FA88620-17, FA88620-18, FA88620-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.6	112	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.3	106	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.6	106	76-127
75-09-2	Methylene Chloride	5	4.5	90	69-135
127-18-4	Tetrachloroethylene	5	5.4	108	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	4.8	96	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	74-125%
2037-26-5	Toluene-D8	104%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88606-3MS	Z65860.D	5	09/10/21	CG	n/a	n/a	VZ2590
FA88606-3MSD	Z65861.D	5	09/10/21	CG	n/a	n/a	VZ2590
FA88606-3	Z65843.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-1

CAS No.	Compound	FA88606-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.37	J	25	28.6	113	25	28.4	112	1	76-136/23
67-66-3	Chloroform	0.41	J	25	28.6	113	25	28.4	112	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U		25	27.5	110	25	27.6	110	0	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U		50	55.2	110	50	55.3	111	0	76-127/17
75-09-2	Methylene Chloride	0.54	JB	25	37.2	147*	25	37.7	149*	1	69-135/16
127-18-4	Tetrachloroethylene	0.50 U		25	29.3	117	25	29.1	116	1	76-135/16
79-01-6	Trichloroethylene	0.50 U		25	29.2	117	25	29.0	116	1	81-126/15
75-01-4	Vinyl Chloride	0.10 U		25	27.5	110	25	27.3	109	1	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88606-3	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	102%	102%	74-125%
2037-26-5	Toluene-D8	86%* [a]	87%* [a]	91%	88-111%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88620-2MS	O65106.D	5	09/10/21	CG	n/a	n/a	VO2553
FA88620-2MSD	O65107.D	5	09/11/21	CG	n/a	n/a	VO2553
FA88620-2	O65088.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88620-2, FA88620-3, FA88620-4, FA88620-5, FA88620-6, FA88620-7, FA88620-8, FA88620-9, FA88620-10, FA88620-11, FA88620-12, FA88620-13, FA88620-14, FA88620-15, FA88620-16, FA88620-17, FA88620-18, FA88620-19

CAS No.	Compound	FA88620-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.17	J	25	27.5	109	25	31.4	125	13	76-136/23
67-66-3	Chloroform	0.50 U		25	27.5	110	25	29.0	116	5	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U		25	29.3	117	25	30.7	123	5	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U		50	58.1	116	50	61.2	122	5	76-127/17
75-09-2	Methylene Chloride	2.0 U		25	30.4	122	25	32.2	129	6	69-135/16
127-18-4	Tetrachloroethylene	0.50 U		25	28.4	114	25	30.1	120	6	76-135/16
79-01-6	Trichloroethylene	0.93		25	28.1	109	25	30.1	117	7	81-126/15
75-01-4	Vinyl Chloride	0.10 U		25	25.8	103	25	27.3	109	6	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88620-2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	104%	102%	74-125%
2037-26-5	Toluene-D8	99%	98%	98%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2552-BFB
Lab File ID: O65072.D
Instrument ID: GCMSO
Injection Date: 09/10/21
Injection Time: 10:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	68112	22.4		Pass
75	30.0 - 60.0% of mass 95	145880	48.0		Pass
95	Base peak, 100% relative abundance	303808	100.0		Pass
96	5.0 - 9.0% of mass 95	20169	6.64		Pass
173	Less than 2.0% of mass 174	1908	0.63	(0.84) [a]	Pass
174	50.0 - 100.0% of mass 95	228075	75.1		Pass
175	5.0 - 9.0% of mass 174	16729	5.51	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	222613	73.3	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	14528	4.78	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2552-IC2552	O65073.D	09/10/21	11:12	00:23	Initial cal 1
VO2552-IC2552	O65074.D	09/10/21	11:35	00:46	Initial cal 2
VO2552-IC2552	O65075.D	09/10/21	11:58	01:09	Initial cal 3
VO2552-IC2552	O65076.D	09/10/21	12:21	01:32	Initial cal 4
VO2552-ICC2552	O65077.D	09/10/21	12:44	01:55	Initial cal 5
VO2552-IC2552	O65078.D	09/10/21	13:06	02:17	Initial cal 6
VO2552-IC2552	O65079.D	09/10/21	13:29	02:40	Initial cal 7
VO2552-ICV2552	O65081.D	09/10/21	14:15	03:26	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2553-BFB
Lab File ID: O65083.D
Instrument ID: GCMSO
Injection Date: 09/10/21
Injection Time: 15:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	70264	22.6		Pass
75	30.0 - 60.0% of mass 95	148307	47.8		Pass
95	Base peak, 100% relative abundance	310400	100.0		Pass
96	5.0 - 9.0% of mass 95	21601	6.96		Pass
173	Less than 2.0% of mass 174	1973	0.64	(0.86) [a]	Pass
174	50.0 - 100.0% of mass 95	230101	74.1		Pass
175	5.0 - 9.0% of mass 174	16345	5.27	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	221632	71.4	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	14497	4.67	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2553-CC2552	O65084.D	09/10/21	15:27	00:22	Continuing cal 5
VO2553-BS	O65085.D	09/10/21	15:50	00:45	Blank Spike
VO2553-MB	O65086.D	09/10/21	16:13	01:08	Method Blank
ZZZZZZ	O65087.D	09/10/21	16:37	01:32	(unrelated sample)
FA88620-2	O65088.D	09/10/21	17:00	01:55	2135X0BW171F
FA88620-3	O65089.D	09/10/21	17:22	02:17	2135X0BW172F
FA88620-4	O65090.D	09/10/21	17:46	02:41	2135X0BW173F
FA88620-5	O65091.D	09/10/21	18:09	03:04	2135X0BW174D
FA88620-6	O65092.D	09/10/21	18:32	03:27	2135X0BW175C
FA88620-7	O65093.D	09/10/21	18:55	03:50	2135X0BW176F
FA88620-8	O65094.D	09/10/21	19:18	04:13	2135X0BW177F
FA88620-9	O65095.D	09/10/21	19:41	04:36	2135X0BW178F
FA88620-10	O65096.D	09/10/21	20:04	04:59	2135X00B179F
FA88620-11	O65097.D	09/10/21	20:27	05:22	2135X0BW180D
FA88620-12	O65098.D	09/10/21	20:50	05:45	2135X0BW181F
FA88620-13	O65099.D	09/10/21	21:13	06:08	2135X0BW182F
FA88620-14	O65100.D	09/10/21	21:36	06:31	2135X0BW183F
FA88620-15	O65101.D	09/10/21	22:00	06:55	2135X0BW185F
FA88620-16	O65102.D	09/10/21	22:23	07:18	2135X0BW187F
FA88620-17	O65103.D	09/10/21	22:46	07:41	2135X0BW188F
FA88620-18	O65104.D	09/10/21	23:09	08:04	2135X0BW189F
FA88620-19	O65105.D	09/10/21	23:31	08:26	2135X0BW190F
FA88620-2MS	O65106.D	09/10/21	23:54	08:49	Matrix Spike
FA88620-2MSD	O65107.D	09/11/21	00:17	09:12	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VO2553-BFB	**Injection Date:**	09/10/21
Lab File ID:	O65083.D	**Injection Time:**	15:05
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2553-ECC2552	O65108.D	09/11/21	00:41	09:36	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-BFB
Lab File ID: Z65736.D
Instrument ID: GCMSZ
Injection Date: 09/07/21
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	43592	18.5		Pass
75	30.0 - 60.0% of mass 95	120435	51.1		Pass
95	Base peak, 100% relative abundance	235755	100.0		Pass
96	5.0 - 9.0% of mass 95	16239	6.89		Pass
173	Less than 2.0% of mass 174	1121	0.48	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	177536	75.3		Pass
175	5.0 - 9.0% of mass 174	12644	5.36	(7.12) [a]	Pass
176	95.0 - 101.0% of mass 174	169256	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11265	4.78	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2586-IC2586	Z65738.D	09/07/21	10:06	01:31	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21	10:26	01:51	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21	10:46	02:11	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21	11:07	02:32	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21	11:27	02:52	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21	11:47	03:12	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21	12:08	03:33	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21	12:48	04:13	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21	14:21	05:46	Blank Spike
VZ2586-MB	Z65750.D	09/07/21	14:41	06:06	Method Blank
ZZZZZZ	Z65751.D	09/07/21	15:05	06:30	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21	15:26	06:51	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21	15:46	07:11	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21	16:07	07:32	(unrelated sample)
FA88619-2	Z65755.D	09/07/21	16:27	07:52	(used for QC only; not part of job FA88620)
ZZZZZZ	Z65756.D	09/07/21	16:48	08:13	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21	17:08	08:33	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21	17:29	08:54	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21	17:49	09:14	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21	18:09	09:34	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21	18:30	09:55	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21	18:50	10:15	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21	19:11	10:36	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21	19:31	10:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2586-BFB	**Injection Date:**	09/07/21
Lab File ID:	Z65736.D	**Injection Time:**	08:35
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88619-2MS	Z65765.D	09/07/21	19:52	11:17	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21	20:12	11:37	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21	20:32	11:57	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-BFB
Lab File ID: Z65836.D
Instrument ID: GCMSZ
Injection Date: 09/10/21
Injection Time: 14:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	31824	19.1		Pass
75	30.0 - 60.0% of mass 95	84536	50.8		Pass
95	Base peak, 100% relative abundance	166488	100.0		Pass
96	5.0 - 9.0% of mass 95	11528	6.92		Pass
173	Less than 2.0% of mass 174	1001	0.60	(0.74) [a]	Pass
174	50.0 - 100.0% of mass 95	135821	81.6		Pass
175	5.0 - 9.0% of mass 174	9658	5.80	(7.11) [a]	Pass
176	95.0 - 101.0% of mass 174	130525	78.4	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	8272	4.97	(6.34) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2590-CC2586	Z65837.D	09/10/21	14:48	00:20	Continuing cal 5
VZ2590-BS	Z65838.D	09/10/21	15:09	00:41	Blank Spike
VZ2590-MB	Z65839.D	09/10/21	15:29	01:01	Method Blank
FA88620-1	Z65840.D	09/10/21	15:51	01:23	2135XOU2168A
ZZZZZZ	Z65841.D	09/10/21	16:11	01:43	(unrelated sample)
ZZZZZZ	Z65842.D	09/10/21	16:31	02:03	(unrelated sample)
FA88606-3	Z65843.D	09/10/21	16:52	02:24	(used for QC only; not part of job FA88620)
ZZZZZZ	Z65844.D	09/10/21	17:12	02:44	(unrelated sample)
ZZZZZZ	Z65845.D	09/10/21	17:33	03:05	(unrelated sample)
ZZZZZZ	Z65846.D	09/10/21	17:53	03:25	(unrelated sample)
ZZZZZZ	Z65847.D	09/10/21	18:13	03:45	(unrelated sample)
ZZZZZZ	Z65848.D	09/10/21	18:34	04:06	(unrelated sample)
ZZZZZZ	Z65849.D	09/10/21	18:54	04:26	(unrelated sample)
ZZZZZZ	Z65850.D	09/10/21	19:14	04:46	(unrelated sample)
ZZZZZZ	Z65851.D	09/10/21	19:35	05:07	(unrelated sample)
ZZZZZZ	Z65852.D	09/10/21	19:55	05:27	(unrelated sample)
ZZZZZZ	Z65853.D	09/10/21	20:15	05:47	(unrelated sample)
ZZZZZZ	Z65854.D	09/10/21	20:36	06:08	(unrelated sample)
ZZZZZZ	Z65855.D	09/10/21	20:56	06:28	(unrelated sample)
ZZZZZZ	Z65856.D	09/10/21	21:16	06:48	(unrelated sample)
ZZZZZZ	Z65857.D	09/10/21	21:36	07:08	(unrelated sample)
ZZZZZZ	Z65858.D	09/10/21	21:57	07:29	(unrelated sample)
ZZZZZZ	Z65859.D	09/10/21	22:17	07:49	(unrelated sample)
FA88606-3MS	Z65860.D	09/10/21	22:37	08:09	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2590-BFB	**Injection Date:**	09/10/21
Lab File ID:	Z65836.D	**Injection Time:**	14:28
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88606-3MSD	Z65861.D	09/10/21	22:57	08:29	Matrix Spike Duplicate
VZ2590-ECC2586	Z65862.D	09/10/21	23:18	08:50	Ending cal 5

Internal Standard Area Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2553-CC2552	**Injection Date:**	09/10/21
Lab File ID:	O65084.D	**Injection Time:**	15:27
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	51001	10.78	35442	13.65
Check Std [b]	47842	10.78	33332	13.65
Upper Limit [c]	95684	10.95	66664	13.82
Lower Limit [d]	23921	10.61	16666	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2553-BS	47319	10.78	31720	13.65
VO2553-MB	48885	10.78	33115	13.65
ZZZZZZ	47318	10.78	32192	13.65
FA88620-2	47129	10.78	32209	13.65
FA88620-3	48428	10.78	32977	13.65
FA88620-4	45669	10.78	30926	13.65
FA88620-5	45846	10.78	31690	13.65
FA88620-6	43157	10.78	29865	13.65
FA88620-7	44626	10.78	30776	13.65
FA88620-8	43103	10.78	29710	13.65
FA88620-9	43034	10.78	29561	13.65
FA88620-10	44737	10.78	30595	13.65
FA88620-11	43466	10.78	29627	13.65
FA88620-12	47138	10.78	32676	13.65
FA88620-13	44639	10.78	30190	13.65
FA88620-14	42670	10.78	28904	13.65
FA88620-15	43914	10.78	30033	13.65
FA88620-16	43005	10.78	29309	13.65
FA88620-17	42321	10.78	28635	13.65
FA88620-18	42039	10.78	28539	13.65
FA88620-19	43441	10.78	29618	13.65
FA88620-2MS	40524	10.78	27505	13.65
FA88620-2MSD	40029	10.78	27519	13.65
VO2553-ECC255	41581	10.78	29073	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2552-ICC2552 O65077.D 09/10/21 12:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2590-CC2586	**Injection Date:**	09/10/21
Lab File ID:	Z65837.D	**Injection Time:**	14:48
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	60384	8.05	44007	11.12
Check Std [b]	57708	8.05	46072	11.12
Upper Limit [c]	115416	8.22	92144	11.29
Lower Limit [d]	28854	7.88	23036	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2590-BS	56276	8.05	46836	11.12
VZ2590-MB	53250	8.05	40565	11.12
FA88620-1	54636	8.05	41573	11.12
ZZZZZZ	48541	8.05	37416	11.12
ZZZZZZ	54799	8.05	42413	11.12
FA88606-3	51505	8.05	39881	11.12
ZZZZZZ	51559	8.05	40110	11.12
ZZZZZZ	50087	8.05	38854	11.12
ZZZZZZ	49747	8.05	38746	11.12
ZZZZZZ	51028	8.05	39868	11.12
ZZZZZZ	50530	8.05	38525	11.12
ZZZZZZ	47095	8.05	40066	11.12
ZZZZZZ	49531	8.05	38610	11.12
ZZZZZZ	47010	8.05	36618	11.12
ZZZZZZ	49981	8.05	39066	11.12
ZZZZZZ	51633	8.05	40502	11.12
ZZZZZZ	47979	8.05	37713	11.12
ZZZZZZ	46754	8.05	36635	11.12
ZZZZZZ	49943	8.05	39048	11.12
ZZZZZZ	48063	8.05	37539	11.12
ZZZZZZ	48123	8.05	37755	11.12
ZZZZZZ	48042	8.05	37579	11.12
FA88606-3MS	48704	8.05	40059	11.12
FA88606-3MSD	49981	8.05	40502	11.12
VZ2590-ECC2586	52561	8.05	42542	11.12

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2586-ICC2586 Z65742.D 09/07/21 11:27
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88620-1	Z65840.D	100	93
FA88620-2	O65088.D	102	98
FA88620-3	O65089.D	103	99
FA88620-4	O65090.D	103	98
FA88620-5	O65091.D	103	97
FA88620-6	O65092.D	103	97
FA88620-7	O65093.D	104	98
FA88620-8	O65094.D	103	97
FA88620-9	O65095.D	103	97
FA88620-10	O65096.D	104	98
FA88620-11	O65097.D	104	97
FA88620-12	O65098.D	104	97
FA88620-13	O65099.D	104	97
FA88620-14	O65100.D	105	97
FA88620-15	O65101.D	104	98
FA88620-16	O65102.D	105	96
FA88620-17	O65103.D	105	97
FA88620-18	O65104.D	105	97
FA88620-19	O65105.D	105	97
FA88606-3MS	Z65860.D	102	86* [a]
FA88606-3MSD	Z65861.D	102	87* [a]
FA88620-2MS	O65106.D	103	99
FA88620-2MSD	O65107.D	104	98
VO2553-BS	O65085.D	100	104
VO2553-MB	O65086.D	102	99
VZ2590-BS	Z65838.D	101	90
VZ2590-MB	Z65839.D	103	92

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

Initial Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2552-ICC2552
Lab FileID: O65077.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

Calibration Files
1 =O65073.D 2 =O65074.D 3 =O65075.D 4 =O65076.D
5 =O65077.D 6 =O65078.D 7 =O65079.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.754	0.650	0.590	0.629	0.688	0.646	0.671	0.661	7.80
3)	Chloromethane	1.936	0.966	0.786	0.819	0.854	0.783	0.830	0.996	42.06
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980									
	Response Ratio = 0.00000 + 0.81244 *A + 0.00182 *A^2									
4)	1,1-Dichloroethen	0.942	0.854	0.901	0.860	0.947	0.892	0.924	0.903	4.11
5)	Methylene Chlorid	9.838	2.436	1.214	1.039	0.987	0.910	0.918	2.477	132.81
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9978									
	Response Ratio = 0.00000 + 1.05344 *A + -0.03697 *A^2									
6)	trans-1,2-Dichlor	0.942	0.854	0.901	0.860	0.947	0.892	0.924	0.903	4.11
7)	1,1-Dichloroethan	0.987	0.955	0.964	0.937	1.010	0.964	0.986	0.972	2.48
8)	cis-1,2-Dichloroe	0.457	0.429	0.441	0.424	0.469	0.442	0.459	0.446	3.71
9)	Chloroform	1.074	0.917	0.963	0.933	0.970	0.937	0.945	0.963	5.41
10)	Carbon Tetrachlor	0.529	0.533	0.554	0.504	0.634	0.557	0.596	0.558	7.92
11)	1,1,1-Trichloroet	0.806	0.723	0.762	0.736	0.826	0.776	0.801	0.776	4.90
12)	Benzene	1.841	1.740	1.769	1.730	1.851	1.774	1.820	1.789	2.70
13)S	1,2-Dichloroethan	0.403	0.408	0.396	0.399	0.401	0.403	0.403	0.402	0.90
14)	1,2-Dichloroethan	0.899	0.900	0.907	0.911	0.938	0.912	0.921	0.913	1.48
15)	Trichloroethene	0.551	0.513	0.527	0.507	0.574	0.526	0.543	0.534	4.34
16)	1,2-Dichloropropa	0.542	0.533	0.542	0.536	0.566	0.549	0.562	0.547	2.29
17)	cis-1,3-Dichlorop	0.483	0.584	0.592	0.599	0.708	0.663	0.707	0.620	12.90
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.191	1.222	1.242	1.229	1.214	1.241	1.203	1.220	1.57
20)	trans-1,3-Dichlor	0.704	0.862	0.859	0.886	1.019	0.958	1.007	0.899	12.08
21)	Tetrachloroethene	0.677	0.659	0.685	0.663	0.724	0.679	0.700	0.684	3.29

(#) = Out of Range

SIMCL-09-10-2021.M Fri Sep 10 14:37:52 2021

Initial Calibration Verification

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2552-ICV2552
Lab FileID: O65081.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65081.D Vial: 11
Acq On : 10 Sep 2021 2:15 pm Operator: charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00	10.78
2		Vinyl Chloride	0.661	0.596	9.8	86	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	8.963	10.4	85	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	0.903	0.948	-5.0	99	0.00	5.45
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	9.705	2.9	95	0.00	6.50
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	0.903	0.948	-5.0	99	0.00	5.45
7		1,1-Dichloroethane	0.972	1.052	-8.2	103	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.470	-5.4	99	0.00	5.45
9		Chloroform	0.963	0.981	-1.9	100	0.00	9.45
10		Carbon Tetrachloride	0.558	0.570	-2.2	89	0.00	9.66
11		1,1,1-Trichloroethane	0.776	0.813	-4.8	97	0.00	9.76
12		Benzene	1.789	1.870	-4.5	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.403	-0.2	99	0.00	10.44
14		1,2-Dichloroethane	0.913	0.946	-3.6	100	0.00	10.52
15		Trichloroethene	0.534	0.559	-4.7	96	0.00	10.97
16		1,2-Dichloropropane	0.547	0.578	-5.7	101	0.00	11.52
17		cis-1,3-Dichloropropene	0.620	0.685	-10.5	96	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	13.65
19	S	Toluene-d8	1.220	1.219	0.1	99	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	0.992	-10.3	96	0.00	12.77
21		Tetrachloroethene	0.684	0.722	-5.6	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Fri Sep 10 14:37:38 2021

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2553-CC2552
Lab FileID: O65084.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65084.D Vial: 3
Acq On : 10 Sep 2021 3:27 pm Operator: charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	94	0.00	10.78
2		Vinyl Chloride	0.661	0.733	-10.9	100	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.315	-13.1	101	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.903	1.013	-12.2	100	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.615	-6.2	98	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.903	1.013	-12.2	100	0.00	5.45
7		1,1-Dichloroethane	0.972	1.070	-10.1	99	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.501	-12.3	100	0.00	5.45
9		Chloroform	0.963	1.023	-6.2	99	0.00	9.45
10		Carbon Tetrachloride	0.558	0.658	-17.9	97	0.00	9.66
11		1,1,1-Trichloroethane	0.776	0.873	-12.5	99	0.00	9.76
12		Benzene	1.789	1.962	-9.7	99	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.402	0.0	94	0.00	10.44
14		1,2-Dichloroethane	0.913	0.986	-8.0	99	0.00	10.52
15		Trichloroethene	0.534	0.616	-15.4	101	0.00	10.97
16		1,2-Dichloropropane	0.547	0.599	-9.5	99	0.00	11.53
17		cis-1,3-Dichloropropene	0.620	0.739	-19.2	98	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	13.65
19	S	Toluene-d8	1.220	1.205	1.2	93	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	1.060	-17.9	98	0.00	12.77
21		Tetrachloroethene	0.684	0.762	-11.4	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Fri Sep 10 16:11:55 2021

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2553-ECC2552
Lab FileID: O65108.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65108.D Vial: 27
Acq On : 11 Sep 2021 12:41 am Operator: charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	82	0.00	10.78
2		Vinyl Chloride	0.661	0.762	-15.3	90	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	12.315	-23.1	96	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.903	1.103	-22.1	95	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	12.397	-24.0	98	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.903	1.103	-22.1	95	0.00	5.45
7		1,1-Dichloroethane	0.972	1.178	-21.2	95	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.539	-20.9	94	0.00	5.45
9		Chloroform	0.963	1.128	-17.1	95	0.00	9.45
10		Carbon Tetrachloride	0.558	0.672	-20.4	86	0.00	9.65
11		1,1,1-Trichloroethane	0.776	0.907	-16.9	90	0.00	9.76
12		Benzene	1.789	2.164	-21.0	95	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.417	-3.7	85	0.00	10.44
14		1,2-Dichloroethane	0.913	1.112	-21.8	97	0.00	10.52
15		Trichloroethene	0.534	0.661	-23.8	94	0.00	10.97
16		1,2-Dichloropropane	0.547	0.672	-22.9	97	0.00	11.53
17		cis-1,3-Dichloropropene	0.620	0.759	-22.4	87	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00	13.65
19	S	Toluene-d8	1.220	1.194	2.1	81	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	1.086	-20.8	87	0.00	12.77
21		Tetrachloroethene	0.684	0.820	-19.9	93	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Sat Sep 11 09:39:48 2021

Initial Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICC2586
Lab FileID: Z65742.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Calibration Files
1 =Z65738.D 2 =Z65739.D 3 =Z65740.D 4 =Z65741.D
5 =Z65742.D 6 =Z65743.D 7 =Z65744.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.500	0.478	0.516	0.541	0.533	0.531	0.572	0.524	5.76
3)	Chloromethane	1.202	0.657	0.608	0.579	0.557	0.552	0.593	0.678	34.44
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.52714 *A + 0.01459 *A^2									
4)	1,1-Dichloroethen	0.477	0.699	0.641	0.675	0.683	0.698	0.738	0.659	12.94
5)	Methylene Chlorid		1.772	0.995	0.780	0.751	0.725	1.005	44.03	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9967									
	Response Ratio = 0.00000 + 0.75449 *A									
6)	trans-1,2-Dichlor	0.433	0.659	0.607	0.629	0.641	0.657	0.690	0.617	13.77
7)	1,1-Dichloroethan	0.508	0.768	0.705	0.729	0.741	0.760	0.798	0.715	13.43
8)	cis-1,2-Dichloroe	0.342	0.516	0.463	0.476	0.484	0.498	0.523	0.472	12.92
9)	Chloroform	0.723	0.925	0.890	0.878	0.878	0.900	0.940	0.876	8.15
10)	Carbon Tetrachlor	0.418	0.593	0.581	0.607	0.611	0.628	0.664	0.586	13.47
11)	1,1,1-Trichloroet	0.537	0.723	0.711	0.733	0.742	0.756	0.795	0.714	11.57
12)	Benzene	1.247	1.737	1.591	1.628	1.642	1.669	1.754	1.610	10.57
13)S	1,2-Dichloroethan	0.343	0.345	0.356	0.331	0.329	0.330	0.330	0.338	3.06
14)	1,2-Dichloroethan	0.439	0.618	0.570	0.588	0.595	0.603	0.627	0.577	11.03
15)	Trichloroethene	0.361	0.492	0.454	0.473	0.480	0.489	0.515	0.466	10.72
16)	1,2-Dichloropropa	0.301	0.444	0.405	0.412	0.414	0.418	0.435	0.404	11.76
17)	cis-1,3-Dichlorop	0.405	0.582	0.627	0.654	0.673	0.682	0.705	0.618	16.52
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.63286 *A + 0.01776 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.197	1.228	1.212	1.211	1.214	1.201	1.202	1.209	0.85
20)	trans-1,3-Dichlor	0.383	0.548	0.697	0.741	0.781	0.814	0.845	0.687	24.12
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.71123 *A + 0.03365 *A^2									
21)	Tetrachloroethene	0.423	0.651	0.589	0.619	0.628	0.636	0.667	0.602	13.75
22)	1,4-Dichlorobenze	0.908	1.346	1.250	1.306	1.360	1.416	1.489	1.296	14.48
23)	1,2-Dibromo-3-Chl	0.101	0.096	0.094	0.097	0.106	0.113	0.124	0.105	10.44

(#) = Out of Range

SIMCL-09-07-2021.M Tue Sep 07 13:39:09 2021

Initial Calibration Verification

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-07\Z65746.D Vial: 11
Acq On : 7 Sep 2021 12:48 pm Operator: CHARLENG
Sample : icv2586-5 Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	8.05
2		Vinyl Chloride	0.524	0.503	4.0	83	0.00	3.39
		Amount / Calc. / %Drift						
3		Chloromethane	10.000	9.200	8.0	81	0.00	3.27
		AvgRF / CCRF / %Dev						
4		1,1-Dichloroethene	0.659	0.743	-12.7	96	0.00	4.71
		Amount / Calc. / %Drift						
5		Methylene Chloride	10.000	10.764	-7.6	92	0.00	5.36
		AvgRF / CCRF / %Dev						
6		trans-1,2-Dichloroethene	0.617	0.694	-12.5	96	0.00	5.54
7		1,1-Dichloroethane	0.715	0.844	-18.0	101	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.538	-14.0	98	0.00	6.78
9		Chloroform	0.876	0.960	-9.6	97	0.00	7.04
10		Carbon Tetrachloride	0.586	0.678	-15.7	98	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.812	-13.7	97	0.00	7.28
12		Benzene	1.610	1.765	-9.6	95	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	90	0.00	7.78
14		1,2-Dichloroethane	0.577	0.639	-10.7	95	0.00	7.85
15		Trichloroethene	0.466	0.526	-12.9	97	0.00	8.21
16		1,2-Dichloropropane	0.404	0.436	-7.9	93	0.00	8.74
		Amount / Calc. / %Drift						
17		cis-1,3-Dichloropropene	10.000	9.827	1.7	86	0.00	9.39
		AvgRF / CCRF / %Dev						
18	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	11.12
19	S	Toluene-d8	1.209	1.191	1.5	86	0.00	9.58
		Amount / Calc. / %Drift						
20		trans-1,3-Dichloropropene	10.000	10.564	-5.6	92	0.00	10.02
		AvgRF / CCRF / %Dev						
21		Tetrachloroethene	0.602	0.673	-11.8	93	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.550	-19.6	99	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.120	-14.3	98	0.00	14.65

Initial Calibration Verification

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Tue Sep 07 13:38:58 2021

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2590-CC2586
Lab FileID: Z65837.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65837.D Vial: 3
Acq On : 10 Sep 2021 2:48 pm Operator: CHARLENG
Sample : CC2586-5 Inst : MSVOA15
Misc : MS49753,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00	8.05
2		Vinyl Chloride	0.524	0.602	-14.9	108	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.258	-12.6	108	0.00	3.26
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.709	-7.6	99	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	9.517	4.8	88	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.666	-7.9	99	0.00	5.54
7		1,1-Dichloroethane	0.715	0.790	-10.5	102	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.525	-11.2	104	0.00	6.78
9		Chloroform	0.876	0.964	-10.0	105	0.00	7.04
10		Carbon Tetrachloride	0.586	0.640	-9.2	100	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.804	-12.6	104	0.00	7.28
12		Benzene	1.610	1.739	-8.0	101	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.334	1.2	97	0.00	7.78
14		1,2-Dichloroethane	0.577	0.628	-8.8	101	0.00	7.85
15		Trichloroethene	0.466	0.533	-14.4	106	0.00	8.21
16		1,2-Dichloropropane	0.404	0.450	-11.4	104	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.700	3.0	92	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	11.12
19	S	Toluene-d8	1.209	1.077	10.9	93	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.854	11.5	91	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.707	-17.4	118	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.412	-9.0	109	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.090	14.3	88	0.00	14.65

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-CC2586
Lab FileID: Z65837.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Z65742.D   SIMCL-09-07-2021.M        Sat Sep 11 08:44:55 2021
```

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2590-ECC2586
Lab FileID: Z65862.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65862.D Vial: 28
Acq On : 10 Sep 2021 11:18 pm Operator: CHARLENG
Sample : ECC2586-5 Inst : MSVOA15
Misc : MS49709,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.05
2		Vinyl Chloride	0.524	0.628	-19.8	103	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.544	-15.4	101	0.00	3.25
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.674	-2.3	86	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	13.091	-30.9	110	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.651	-5.5	88	0.00	5.55
7		1,1-Dichloroethane	0.715	0.785	-9.8	92	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.525	-11.2	94	0.00	6.78
9		Chloroform	0.876	0.971	-10.8	96	0.00	7.04
10		Carbon Tetrachloride	0.586	0.635	-8.4	90	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.780	-9.2	92	0.00	7.28
12		Benzene	1.610	1.714	-6.5	91	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	89	0.00	7.78
14		1,2-Dichloroethane	0.577	0.617	-6.9	90	0.00	7.85
15		Trichloroethene	0.466	0.546	-17.2	99	0.00	8.21
16		1,2-Dichloropropane	0.404	0.437	-8.2	92	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.843	11.6	76	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	11.12
19	S	Toluene-d8	1.209	1.048	13.3	83	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.281	17.2	79	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.671	-11.5	103	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.435	-10.7	102	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.086	18.1	78	0.00	14.64

Continuing Calibration Summary

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-ECC2586
Lab FileID: Z65862.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Sat Sep 11 08:45:12 2021

Run Sequence Report

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2552 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2552-BFB	O65072.D	09/10/21 10:49	n/a	BFB Tune
VO2552-IC2552	O65073.D	09/10/21 11:12	n/a	Initial cal 1
VO2552-IC2552	O65074.D	09/10/21 11:35	n/a	Initial cal 2
VO2552-IC2552	O65075.D	09/10/21 11:58	n/a	Initial cal 3
VO2552-IC2552	O65076.D	09/10/21 12:21	n/a	Initial cal 4
VO2552-ICC2552	O65077.D	09/10/21 12:44	n/a	Initial cal 5
VO2552-IC2552	O65078.D	09/10/21 13:06	n/a	Initial cal 6
VO2552-IC2552	O65079.D	09/10/21 13:29	n/a	Initial cal 7
VO2552-ICV2552	O65081.D	09/10/21 14:15	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2553 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2553-BFB	O65083.D	09/10/21 15:05	n/a	BFB Tune
VO2553-CC2552	O65084.D	09/10/21 15:27	n/a	Continuing cal 5
VO2553-BS	O65085.D	09/10/21 15:50	n/a	Blank Spike
VO2553-MB	O65086.D	09/10/21 16:13	n/a	Method Blank
ZZZZZZ	O65087.D	09/10/21 16:37	n/a	(unrelated sample)
FA88620-2	O65088.D	09/10/21 17:00	n/a	2135X0BW171F
FA88620-3	O65089.D	09/10/21 17:22	n/a	2135X0BW172F
FA88620-4	O65090.D	09/10/21 17:46	n/a	2135X0BW173F
FA88620-5	O65091.D	09/10/21 18:09	n/a	2135X0BW174D
FA88620-6	O65092.D	09/10/21 18:32	n/a	2135X0BW175C
FA88620-7	O65093.D	09/10/21 18:55	n/a	2135X0BW176F
FA88620-8	O65094.D	09/10/21 19:18	n/a	2135X0BW177F
FA88620-9	O65095.D	09/10/21 19:41	n/a	2135X0BW178F
FA88620-10	O65096.D	09/10/21 20:04	n/a	2135X00B179F
FA88620-11	O65097.D	09/10/21 20:27	n/a	2135X0BW180D
FA88620-12	O65098.D	09/10/21 20:50	n/a	2135X0BW181F
FA88620-13	O65099.D	09/10/21 21:13	n/a	2135X0BW182F
FA88620-14	O65100.D	09/10/21 21:36	n/a	2135X0BW183F
FA88620-15	O65101.D	09/10/21 22:00	n/a	2135X0BW185F
FA88620-16	O65102.D	09/10/21 22:23	n/a	2135X0BW187F
FA88620-17	O65103.D	09/10/21 22:46	n/a	2135X0BW188F
FA88620-18	O65104.D	09/10/21 23:09	n/a	2135X0BW189F
FA88620-19	O65105.D	09/10/21 23:31	n/a	2135X0BW190F
FA88620-2MS	O65106.D	09/10/21 23:54	n/a	Matrix Spike
FA88620-2MSD	O65107.D	09/11/21 00:17	n/a	Matrix Spike Duplicate
VO2553-ECC2552	O65108.D	09/11/21 00:41	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2586 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2586-BFB	Z65736.D	09/07/21 08:35	n/a	BFB Tune
VZ2586-IC2586	Z65738.D	09/07/21 10:06	n/a	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21 10:26	n/a	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21 10:46	n/a	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21 11:07	n/a	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21 11:27	n/a	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21 11:47	n/a	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21 12:08	n/a	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21 12:48	n/a	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21 14:21	n/a	Blank Spike
VZ2586-MB	Z65750.D	09/07/21 14:41	n/a	Method Blank
ZZZZZZ	Z65751.D	09/07/21 15:05	n/a	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21 15:26	n/a	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21 15:46	n/a	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21 16:07	n/a	(unrelated sample)
FA88619-2	Z65755.D	09/07/21 16:27	n/a	(used for QC only; not part of job FA88620)
ZZZZZZ	Z65756.D	09/07/21 16:48	n/a	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21 17:08	n/a	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21 17:29	n/a	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21 17:49	n/a	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21 18:09	n/a	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21 18:30	n/a	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21 18:50	n/a	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21 19:11	n/a	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21 19:31	n/a	(unrelated sample)
FA88619-2MS	Z65765.D	09/07/21 19:52	n/a	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21 20:12	n/a	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21 20:32	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88620
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2590 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2590-BFB	Z65836.D	09/10/21 14:28	n/a	BFB Tune
VZ2590-CC2586	Z65837.D	09/10/21 14:48	n/a	Continuing cal 5
VZ2590-BS	Z65838.D	09/10/21 15:09	n/a	Blank Spike
VZ2590-MB	Z65839.D	09/10/21 15:29	n/a	Method Blank
FA88620-1	Z65840.D	09/10/21 15:51	n/a	2135XOU2168A
ZZZZZZ	Z65841.D	09/10/21 16:11	n/a	(unrelated sample)
ZZZZZZ	Z65842.D	09/10/21 16:31	n/a	(unrelated sample)
FA88606-3	Z65843.D	09/10/21 16:52	n/a	(used for QC only; not part of job FA88620)
ZZZZZZ	Z65844.D	09/10/21 17:12	n/a	(unrelated sample)
ZZZZZZ	Z65845.D	09/10/21 17:33	n/a	(unrelated sample)
ZZZZZZ	Z65846.D	09/10/21 17:53	n/a	(unrelated sample)
ZZZZZZ	Z65847.D	09/10/21 18:13	n/a	(unrelated sample)
ZZZZZZ	Z65848.D	09/10/21 18:34	n/a	(unrelated sample)
ZZZZZZ	Z65849.D	09/10/21 18:54	n/a	(unrelated sample)
ZZZZZZ	Z65850.D	09/10/21 19:14	n/a	(unrelated sample)
ZZZZZZ	Z65851.D	09/10/21 19:35	n/a	(unrelated sample)
ZZZZZZ	Z65852.D	09/10/21 19:55	n/a	(unrelated sample)
ZZZZZZ	Z65853.D	09/10/21 20:15	n/a	(unrelated sample)
ZZZZZZ	Z65854.D	09/10/21 20:36	n/a	(unrelated sample)
ZZZZZZ	Z65855.D	09/10/21 20:56	n/a	(unrelated sample)
ZZZZZZ	Z65856.D	09/10/21 21:16	n/a	(unrelated sample)
ZZZZZZ	Z65857.D	09/10/21 21:36	n/a	(unrelated sample)
ZZZZZZ	Z65858.D	09/10/21 21:57	n/a	(unrelated sample)
ZZZZZZ	Z65859.D	09/10/21 22:17	n/a	(unrelated sample)
FA88606-3MS	Z65860.D	09/10/21 22:37	n/a	Matrix Spike
FA88606-3MSD	Z65861.D	09/10/21 22:57	n/a	Matrix Spike Duplicate
VZ2590-ECC2586	Z65862.D	09/10/21 23:18	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65840.D
Acq On : 10 Sep 2021 3:51 pm
Operator : CHARLENG
Sample : FA88620-1
Misc : MS49712,VZ2590,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:23:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

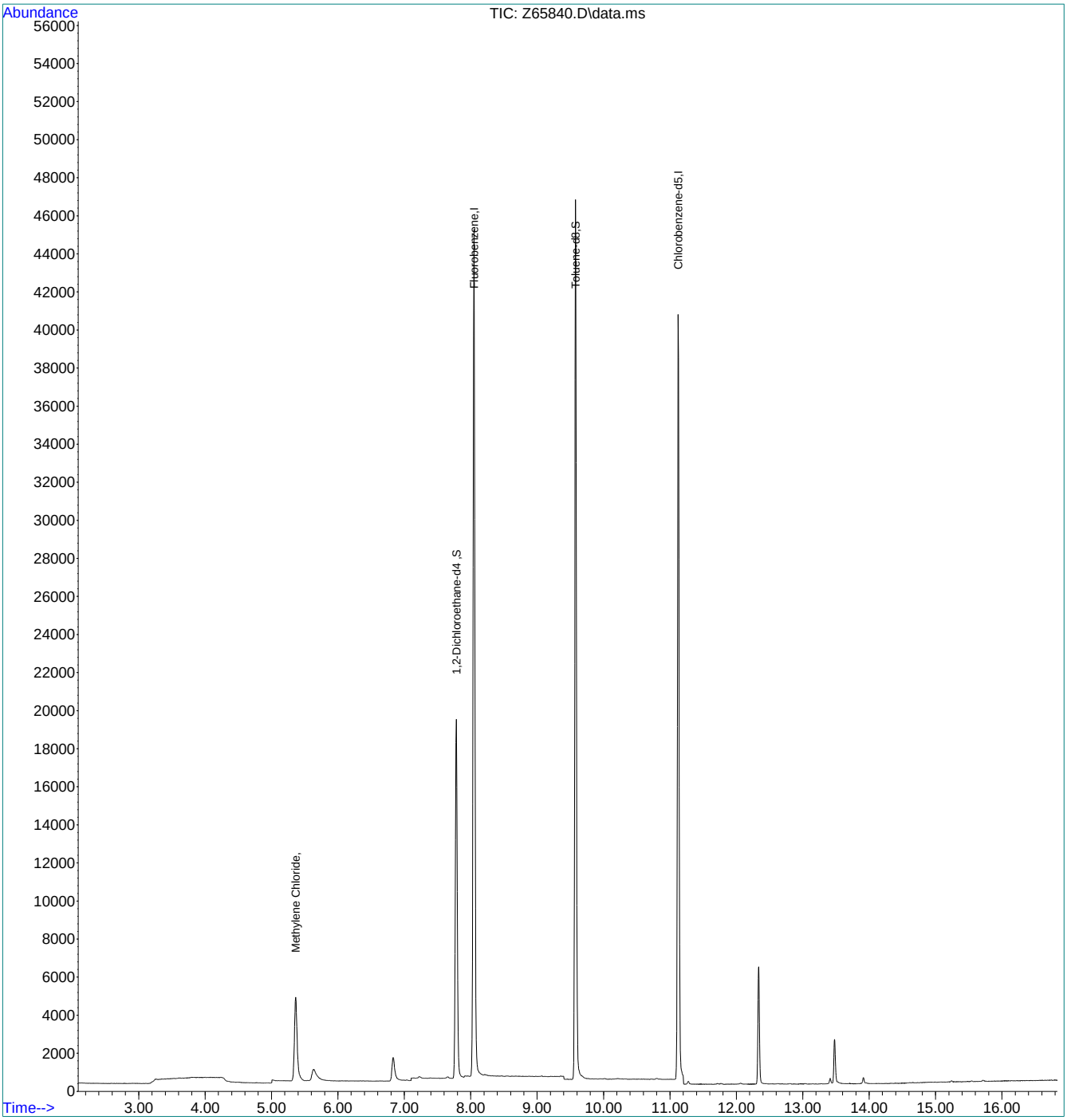
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	54636	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41573	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18511	5.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.40%			
19) Toluene-d8	9.576	98	46705	4.64	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4276	0.52	ug/L	# 58

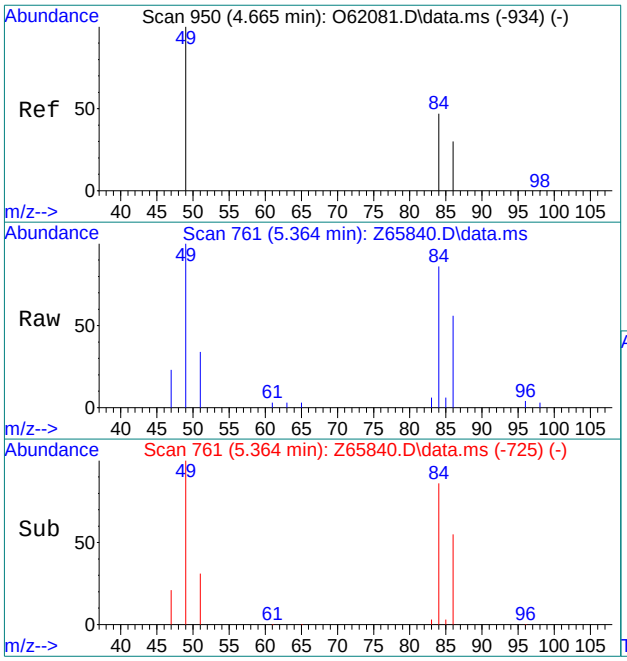
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65840.D
Acq On : 10 Sep 2021 3:51 pm
Operator : CHARLENG
Sample : FA88620-1
Misc : MS49712,VZ2590,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:23:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

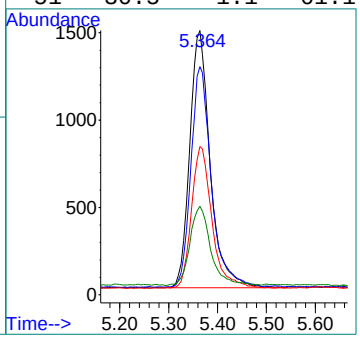




#5
Methylene Chloride
Concen: 0.52 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65840.D
Acq: 10 Sep 2021 3:51 pm

Tgt Ion: 49 Resp: 4276

Ion	Ratio	Lower	Upper
49	100		
84	85.6	13.9	73.9#
86	54.9	0.0	58.0
51	30.5	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:32:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

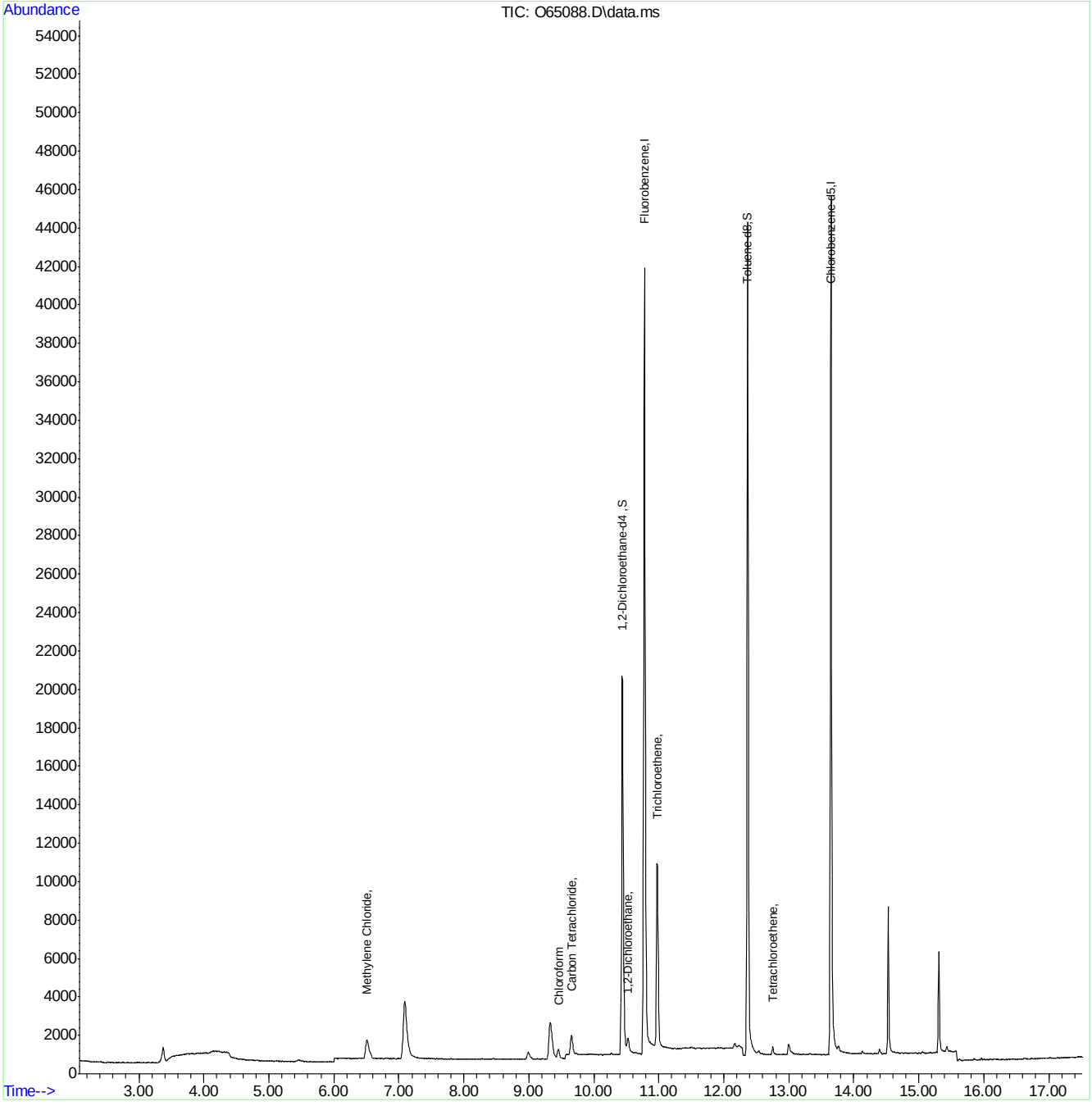
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47129	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32209	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19386	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	12.367	98	38393	4.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1460	0.15	ug/L	87
9) Chloroform	9.456	83	526m	0.06	ug/L	
10) Carbon Tetrachloride	9.656	117	897m	0.17	ug/L	
14) 1,2-Dichloroethane	10.525	62	767	0.09	ug/L	91
15) Trichloroethene	10.974	95	4679	0.93	ug/L	95
21) Tetrachloroethene	12.752	166	193	0.04	ug/L	95

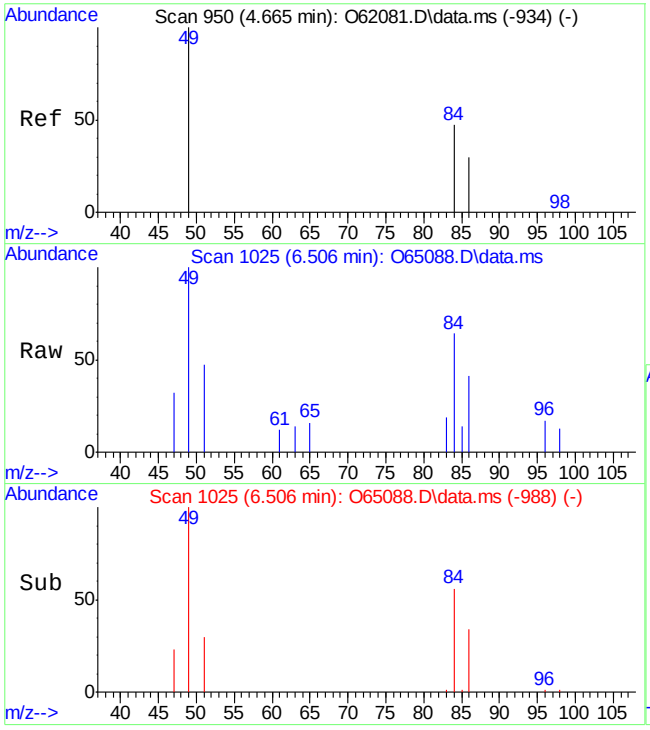
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:32:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

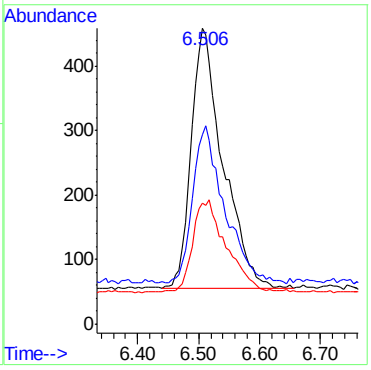


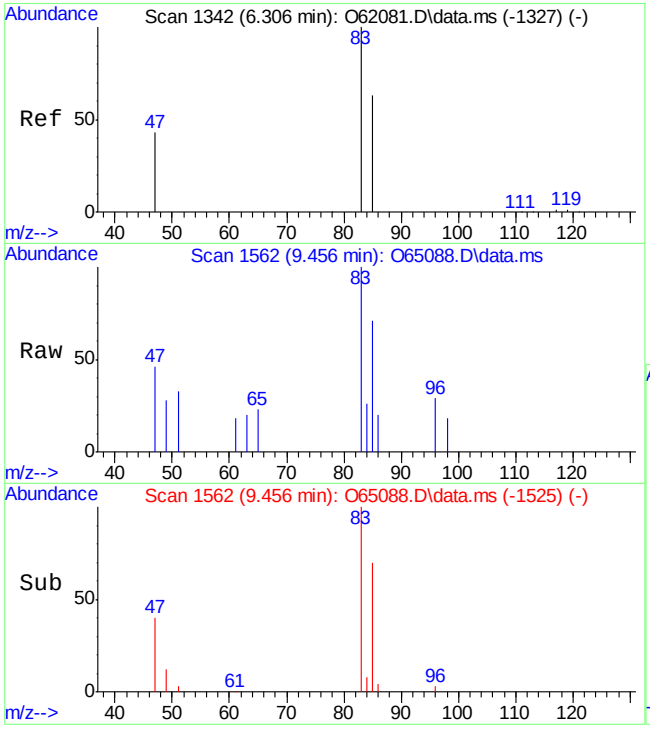


#5
Methylene Chloride
Concen: 0.15 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion: 49 Resp: 1460

Ion	Ratio	Lower	Upper
49	100		
84	56.4	35.5	95.5
86	33.7	12.8	72.8

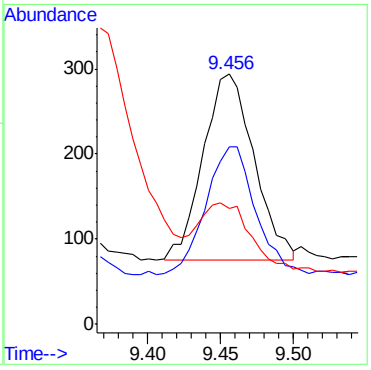


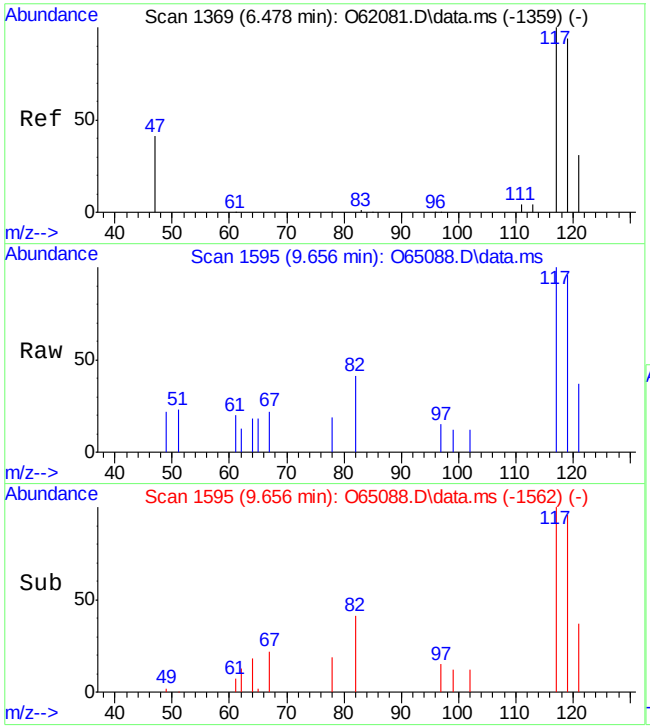


#9
Chloroform
Concen: 0.06 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion: 83 Resp: 526

Ion	Ratio	Lower	Upper
83	100		
85	71.1	33.7	93.7
47	46.3	5.1	65.1

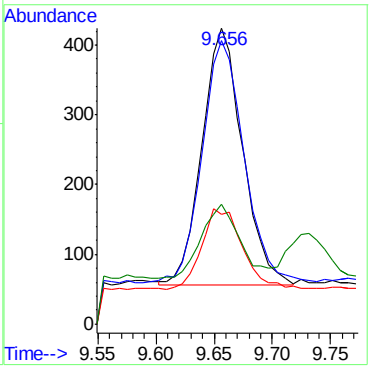


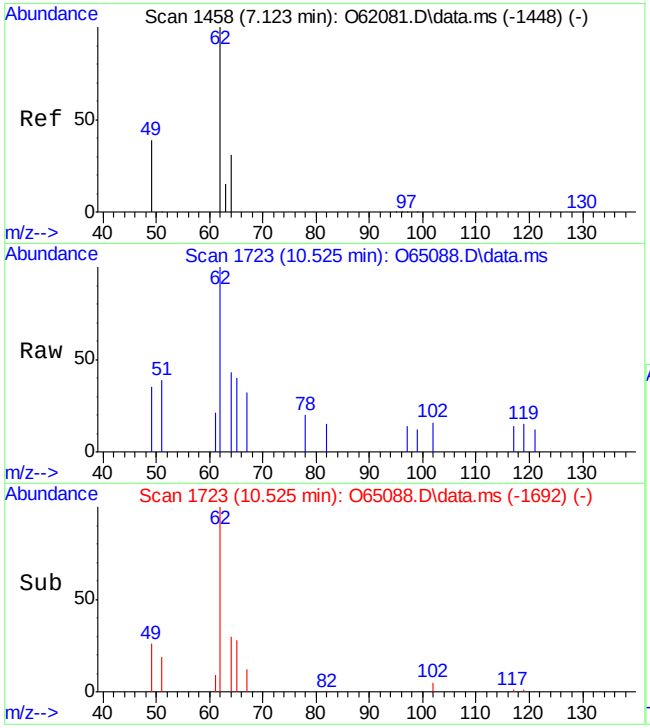


#10
Carbon Tetrachloride
Concen: 0.17 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion:117 Resp: 897

Ion	Ratio	Lower	Upper
117	100		
119	95.8	68.2	128.2
121	37.3	1.1	61.1
82	40.6	0.0	54.2

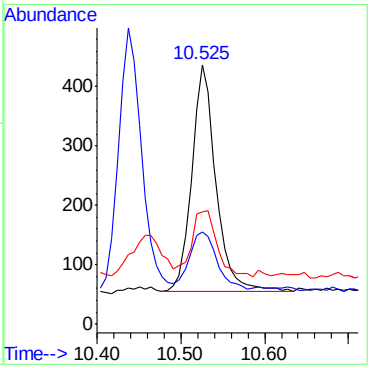


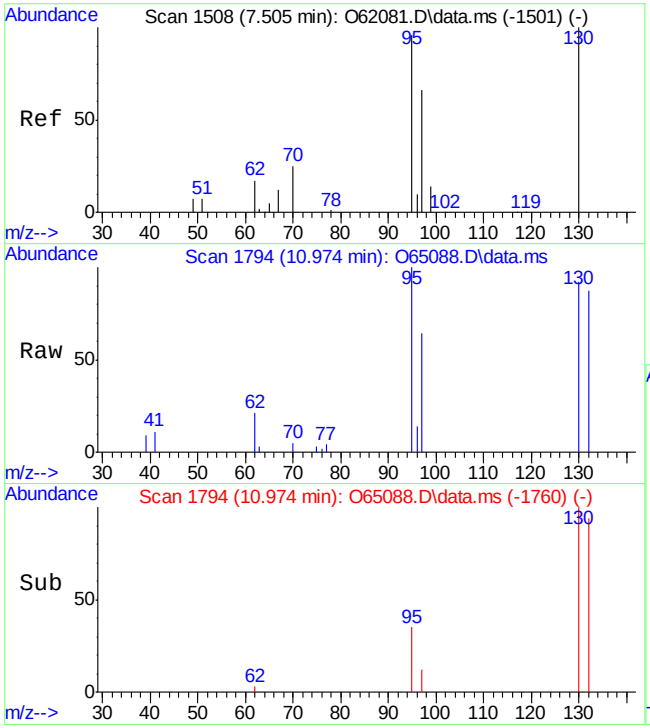


#14
1,2-Dichloroethane
Concen: 0.09 ug/L
RT: 10.525 min Scan# 1723
Delta R.T. 0.007 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion: 62 Resp: 767

Ion	Ratio	Lower	Upper
62	100		
49	24.6	0.0	50.2
64	28.0	3.0	63.0

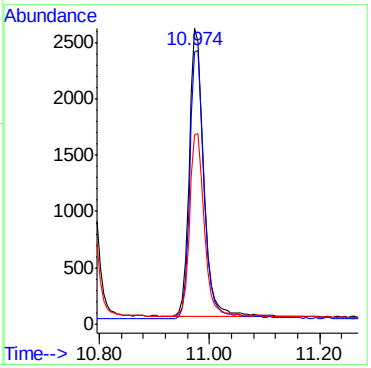


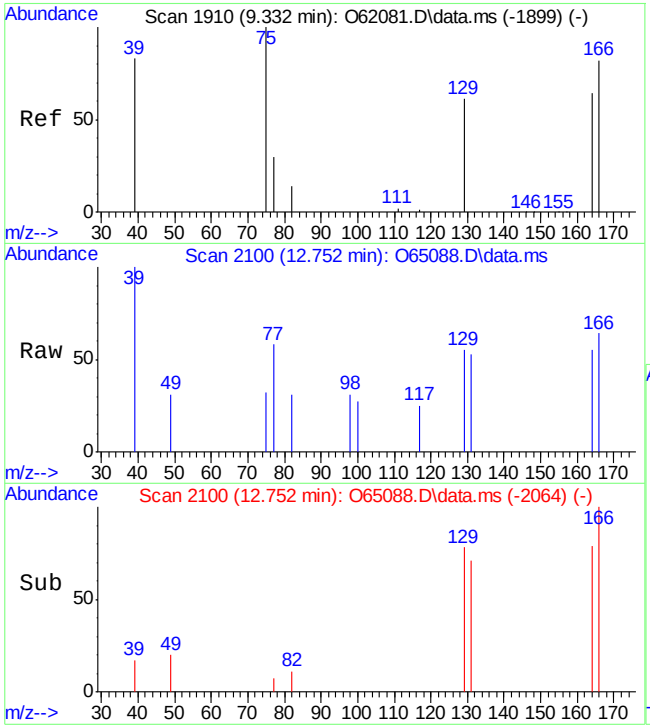


#15
Trichloroethene
Concen: 0.93 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion: 95 Resp: 4679

Ion	Ratio	Lower	Upper
95	100		
130	92.6	69.9	129.9
97	63.2	34.0	94.0

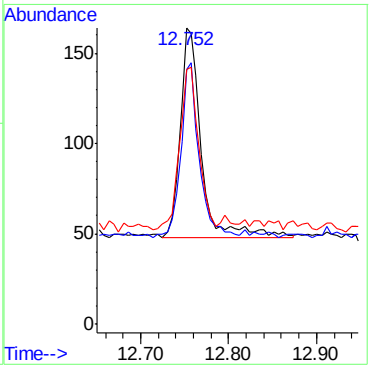




#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. 0.000 min
Lab File: O65088.D
Acq: 10 Sep 2021 5:00 pm

Tgt Ion:166 Resp: 193

Ion	Ratio	Lower	Upper
166	100		
164	78.4	48.0	108.0
129	74.1	36.6	96.6



Manual Integration Approval Summary

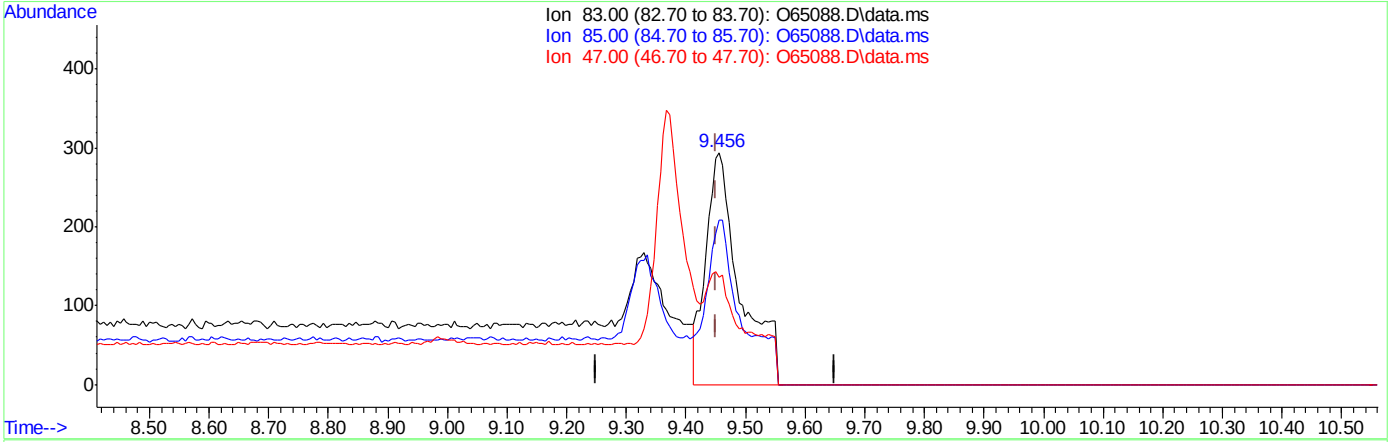
Sample Number: FA88620-2
Lab FileID: O65088.D
Injection Time: 09/10/21 17:00
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

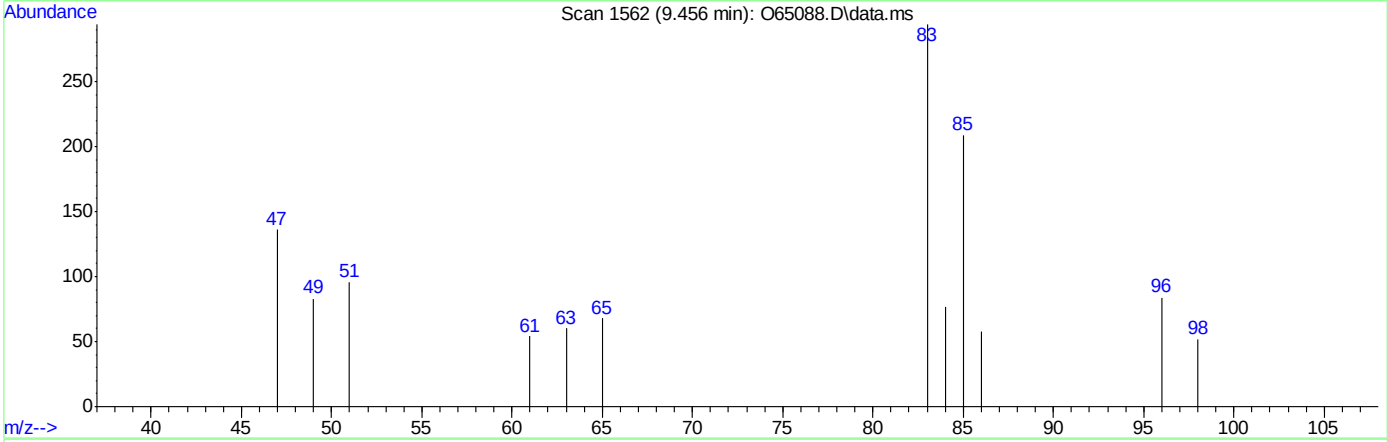
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:23:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65088.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L

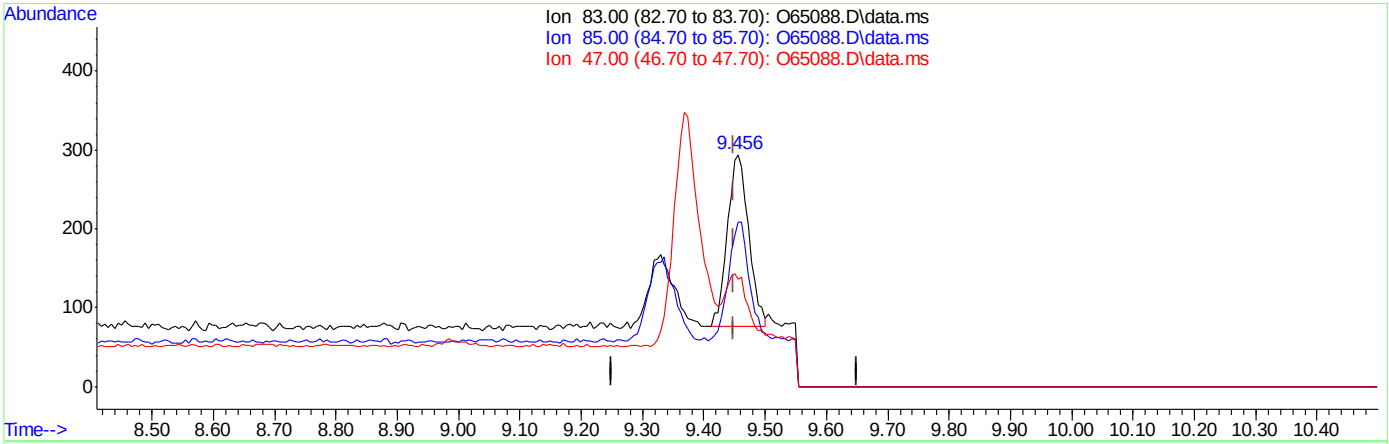
response 1178

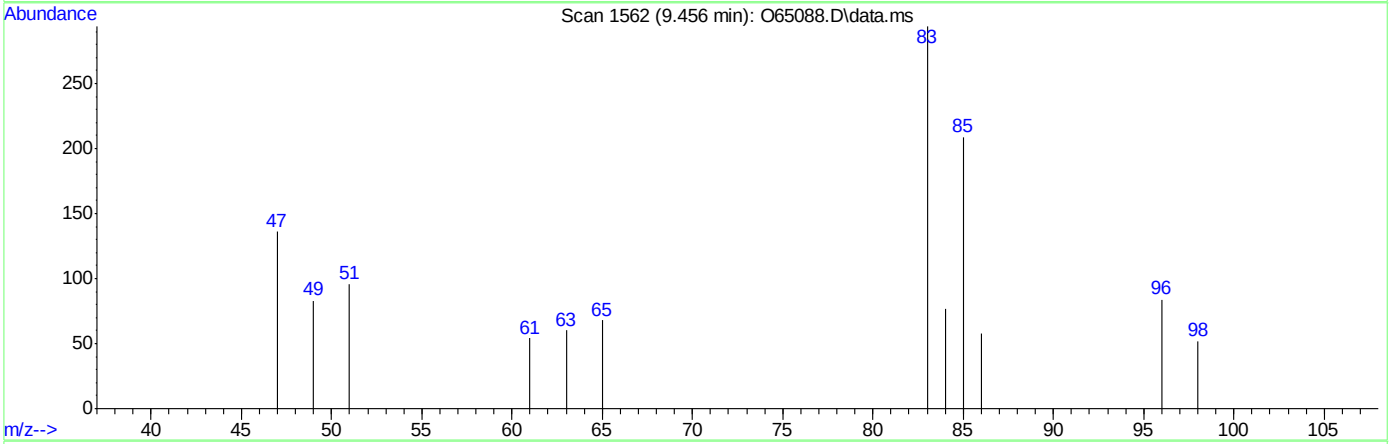
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	71.09
47.00	35.10	46.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:23:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65088.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.06ug/L m

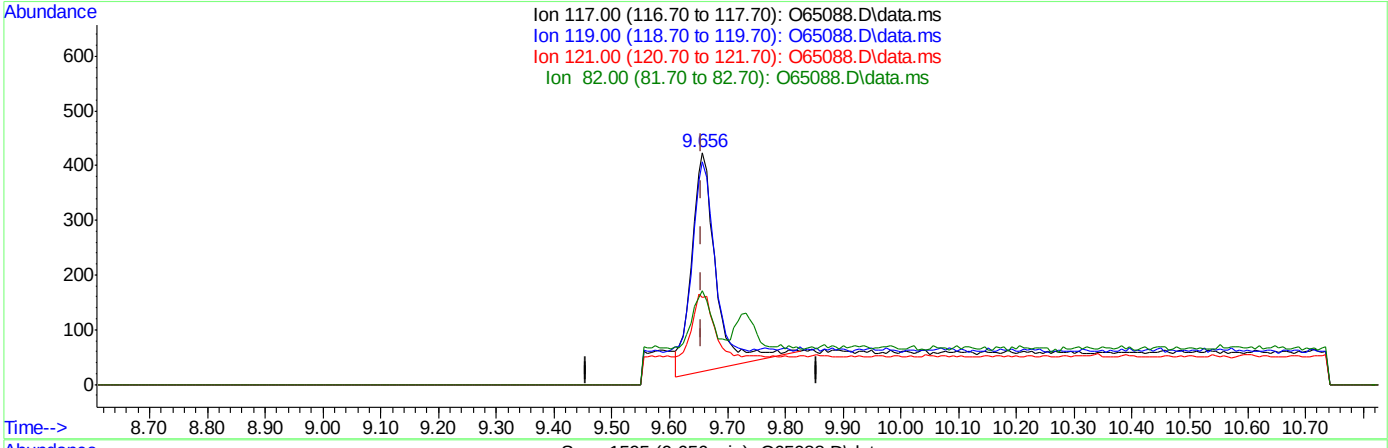
response 526

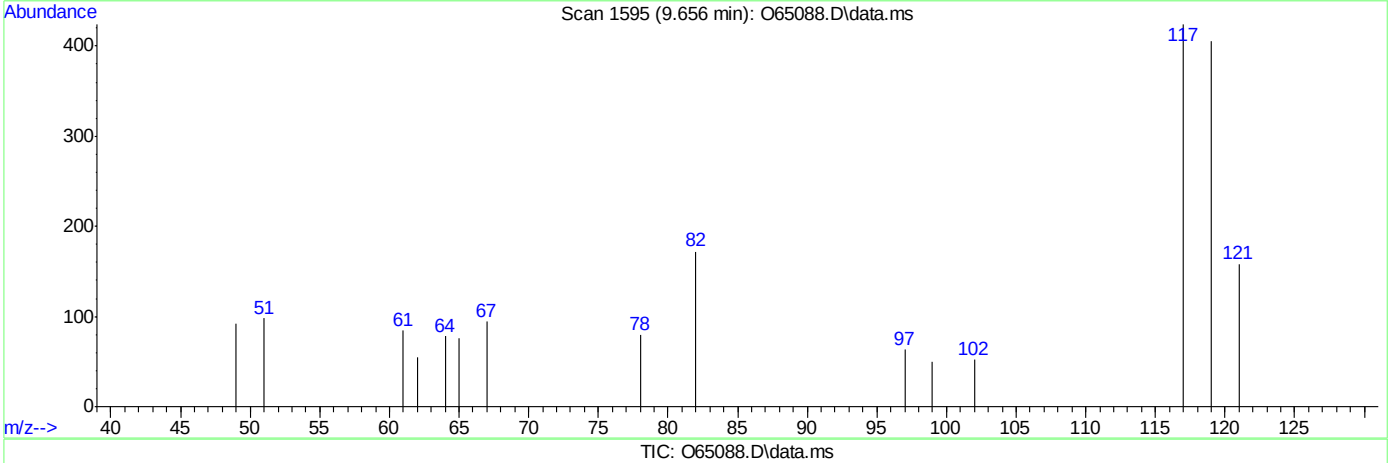
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	71.09
47.00	35.10	46.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:23:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65088.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.22ug/L

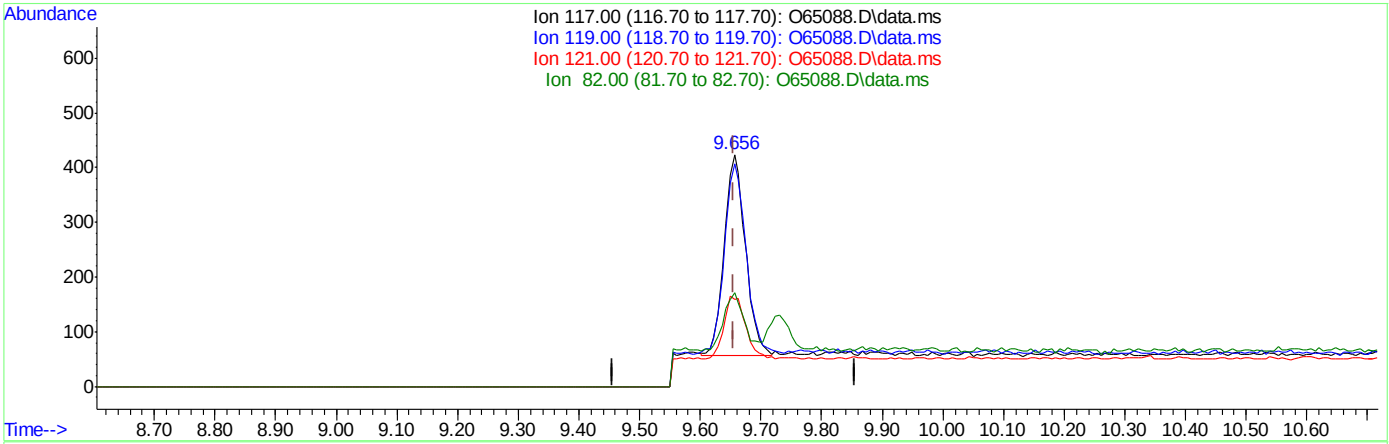
response 1170

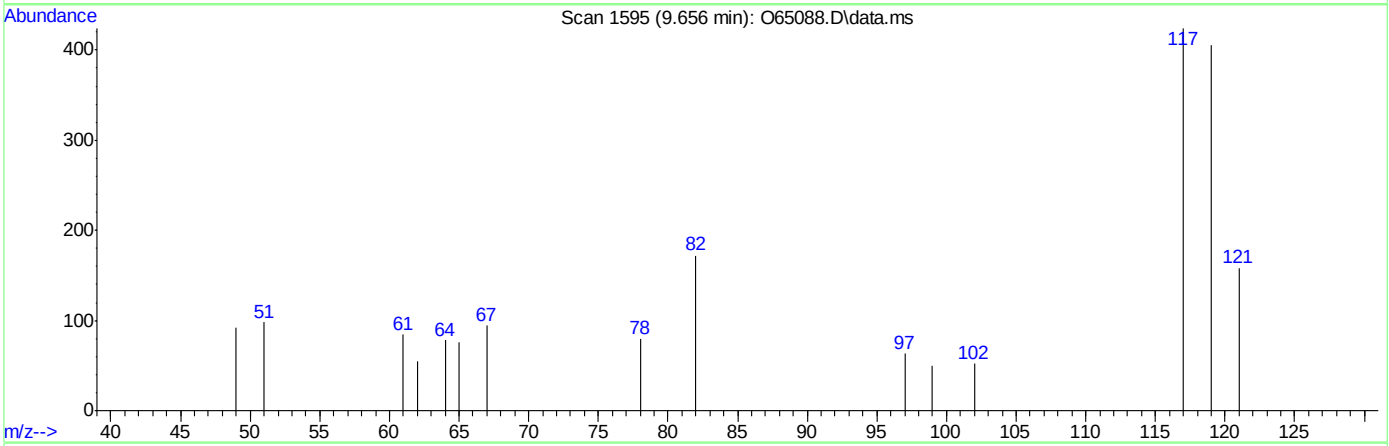
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	92.86
121.00	31.10	29.67
82.00	24.20	29.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65088.D
Acq On : 10 Sep 2021 5:00 pm
Operator : charleng
Sample : FA88620-2 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 09:23:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65088.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.17ug/L m

response 897

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.75
121.00	31.10	37.26
82.00	24.20	40.57

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65089.D
Acq On : 10 Sep 2021 5:22 pm
Operator : charleng
Sample : FA88620-3 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 09:32:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

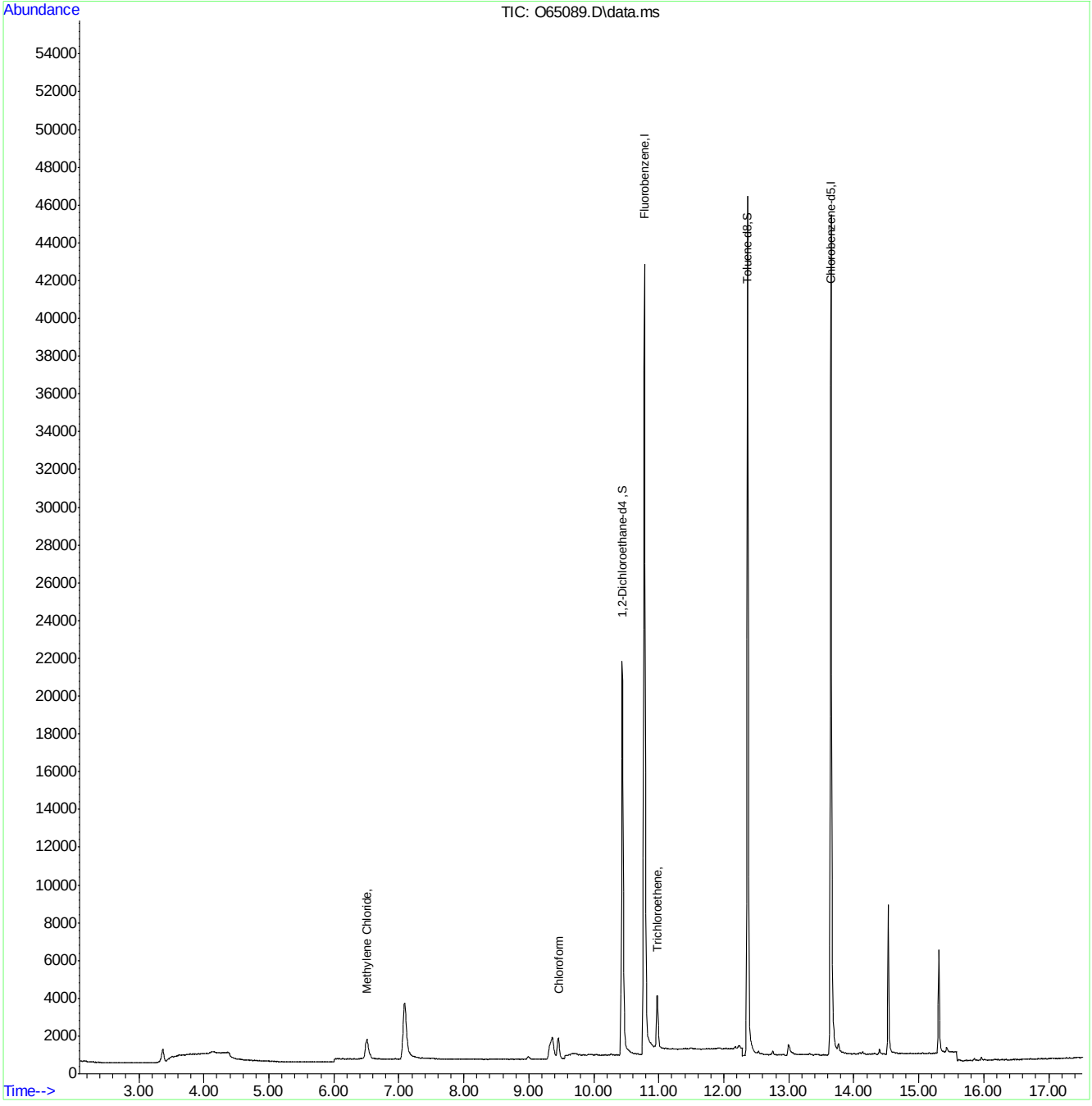
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48428	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32977	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20049	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	39682	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1479	0.15	ug/L	92
9) Chloroform	9.456	83	1197m	0.13	ug/L	
15) Trichloroethene	10.974	95	1384	0.27	ug/L	91

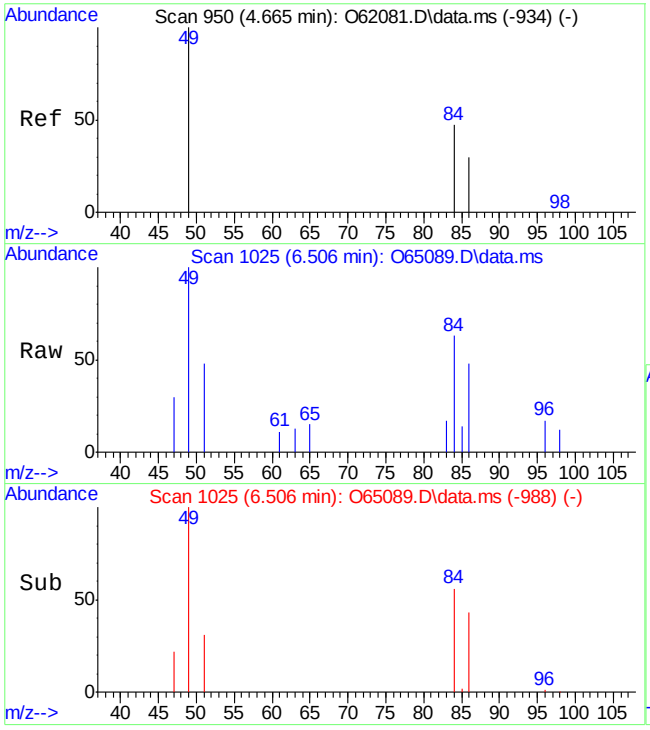
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65089.D
Acq On : 10 Sep 2021 5:22 pm
Operator : charleng
Sample : FA88620-3 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 09:32:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

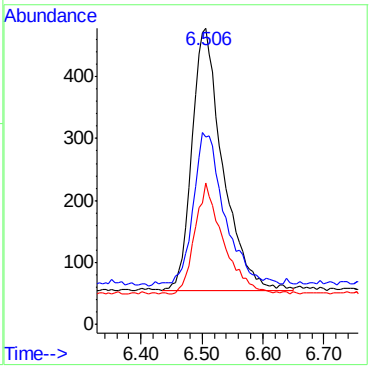


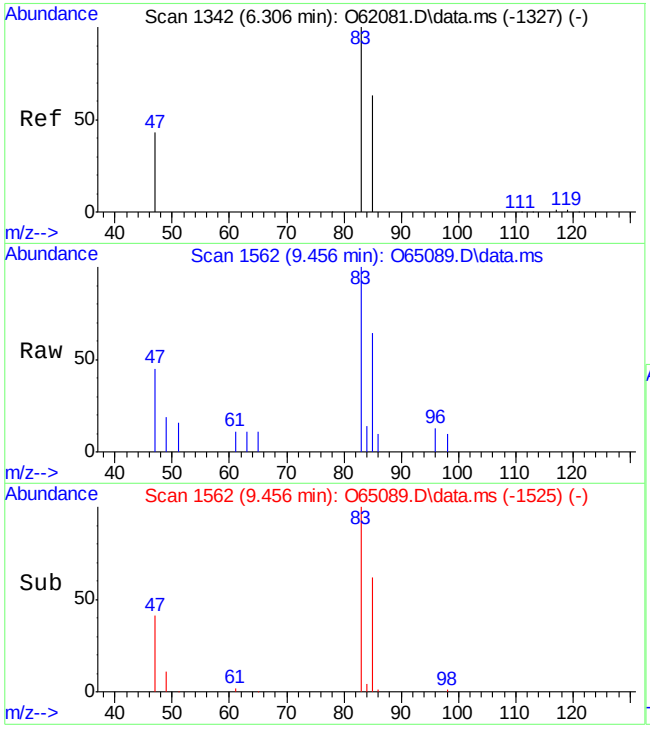


#5
Methylene Chloride
Concen: 0.15 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65089.D
Acq: 10 Sep 2021 5:22 pm

Tgt Ion: 49 Resp: 1479

Ion	Ratio	Lower	Upper
49	100		
84	55.8	35.5	95.5
86	41.8	12.8	72.8

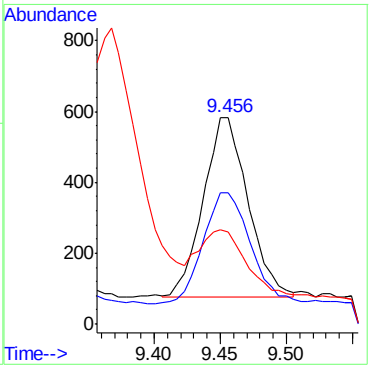


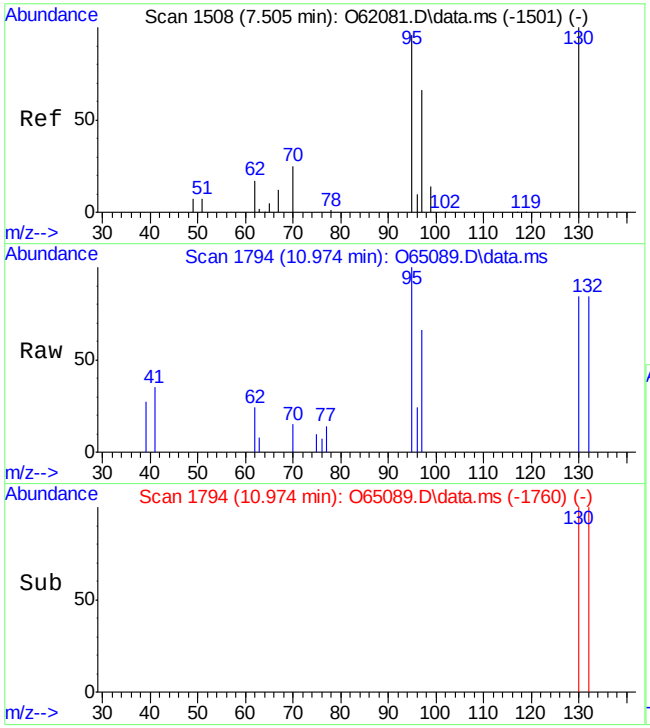


#9
Chloroform
Concen: 0.13 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65089.D
Acq: 10 Sep 2021 5:22 pm

Tgt Ion: 83 Resp: 1197

Ion	Ratio	Lower	Upper
83	100		
85	63.5	33.7	93.7
47	44.5	5.1	65.1

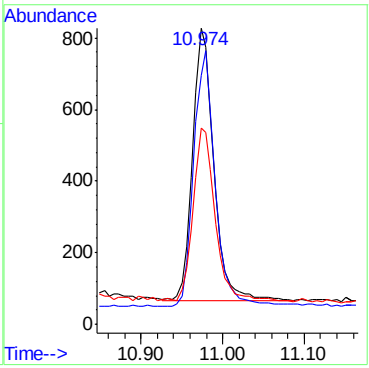




#15
Trichloroethene
Concen: 0.27 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65089.D
Acq: 10 Sep 2021 5:22 pm

Tgt Ion: 95 Resp: 1384

Ion	Ratio	Lower	Upper
95	100		
130	84.8	69.9	129.9
97	63.6	34.0	94.0



Manual Integration Approval Summary

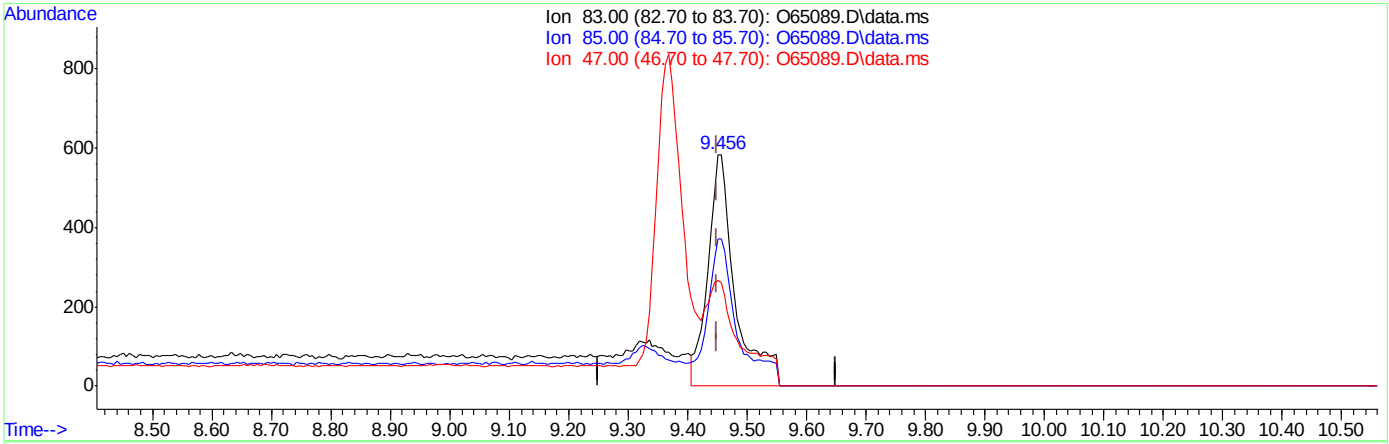
Sample Number: FA88620-3
Lab FileID: O65089.D
Injection Time: 09/10/21 17:22
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

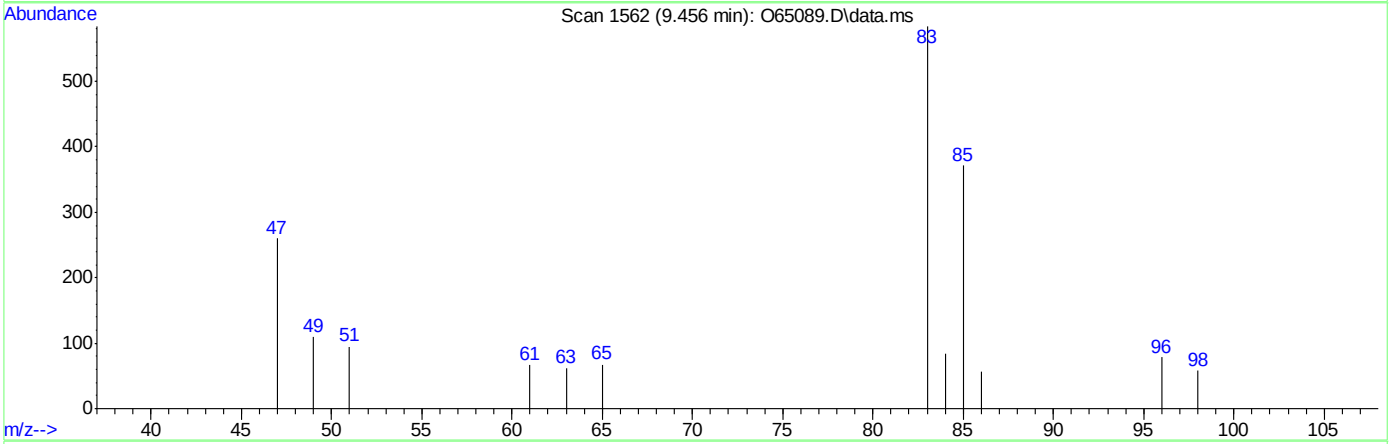
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65089.D
Acq On : 10 Sep 2021 5:22 pm
Operator : charleng
Sample : FA88620-3 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 09:23:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65089.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.20ug/L

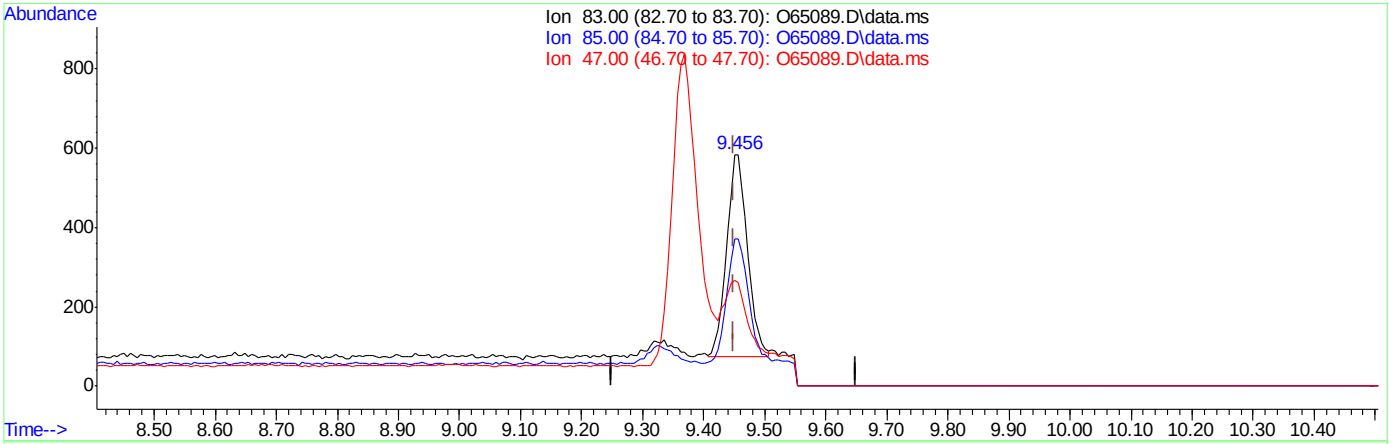
response 1874

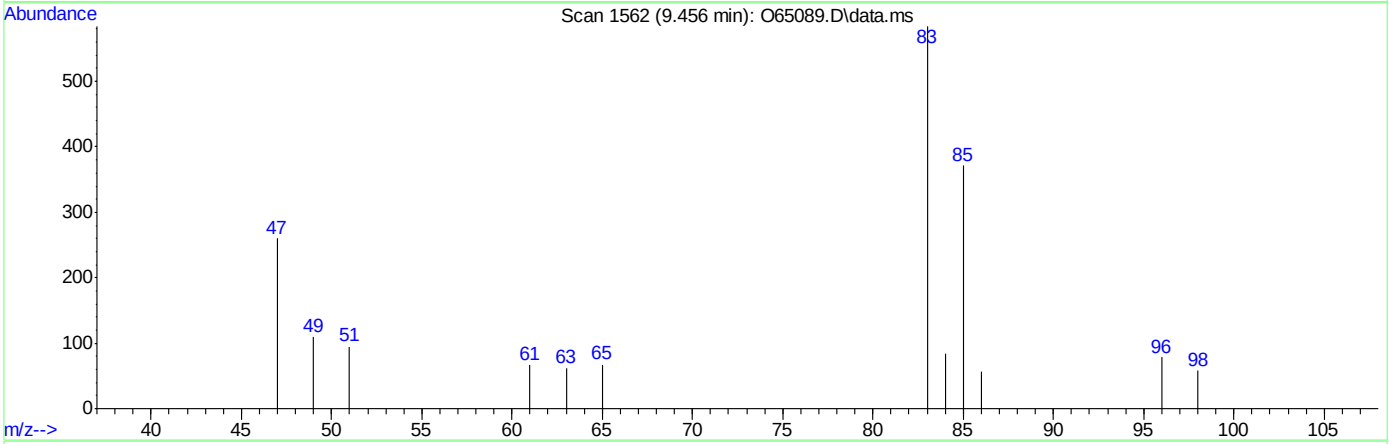
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.53
47.00	35.10	44.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65089.D
Acq On : 10 Sep 2021 5:22 pm
Operator : charleng
Sample : FA88620-3 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 09:23:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65089.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L m

response 1197

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.53
47.00	35.10	44.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:32:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

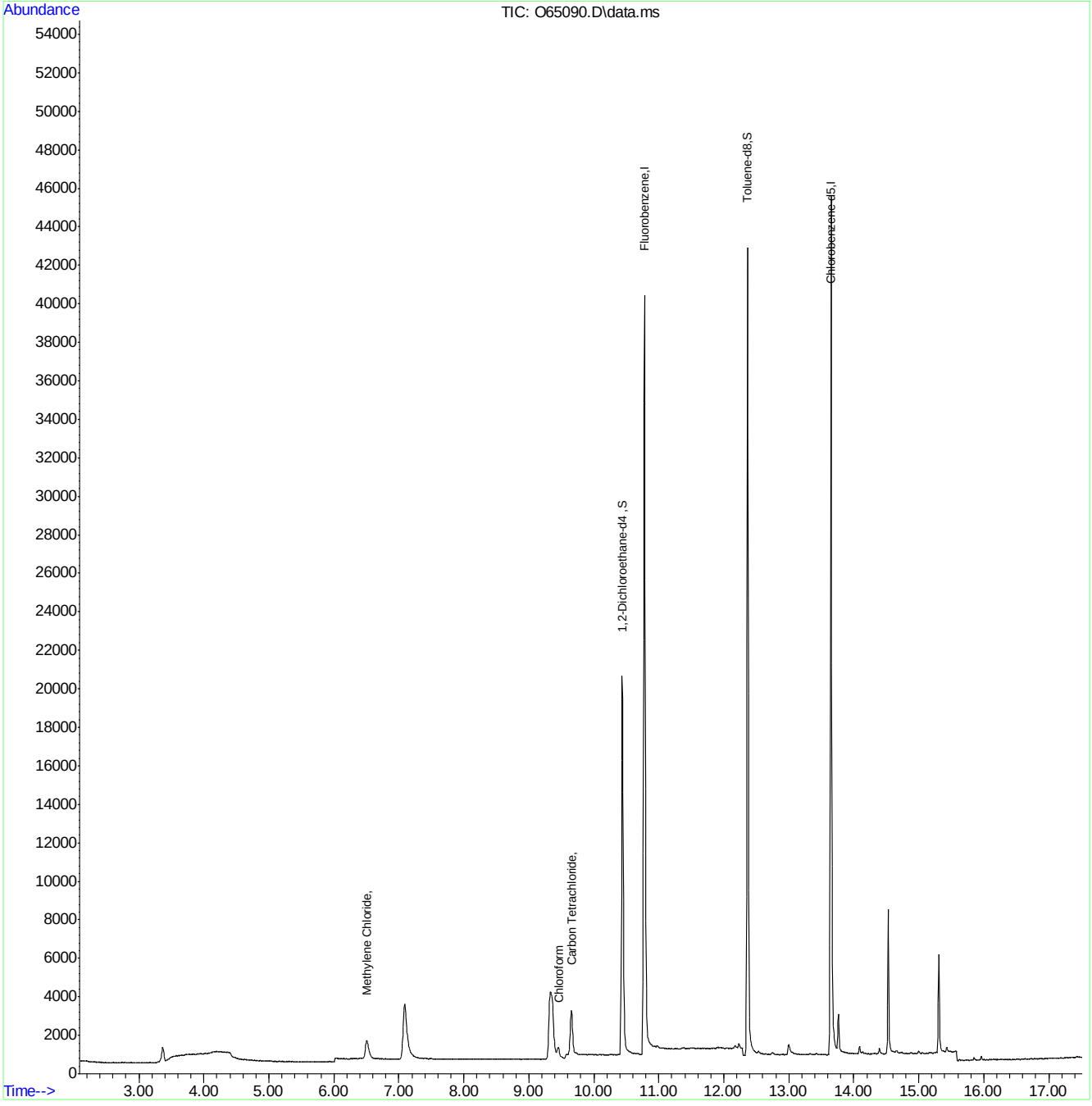
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45669	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30926	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18912	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	37054	4.91	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1413	0.15	ug/L	86
9) Chloroform	9.456	83	566m	0.06	ug/L	
10) Carbon Tetrachloride	9.656	117	2173m	0.43	ug/L	

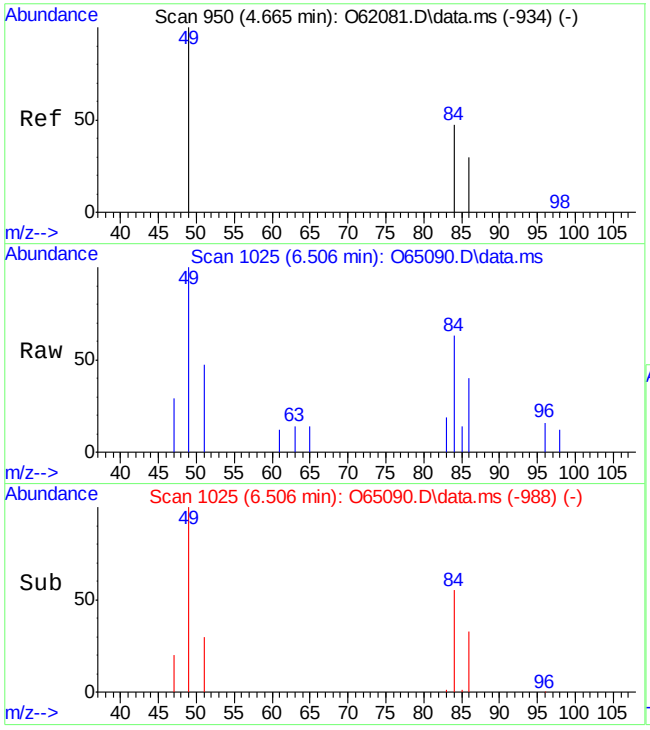
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:32:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

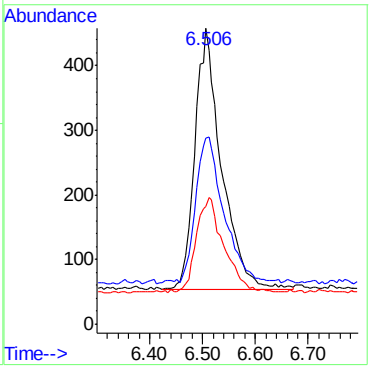


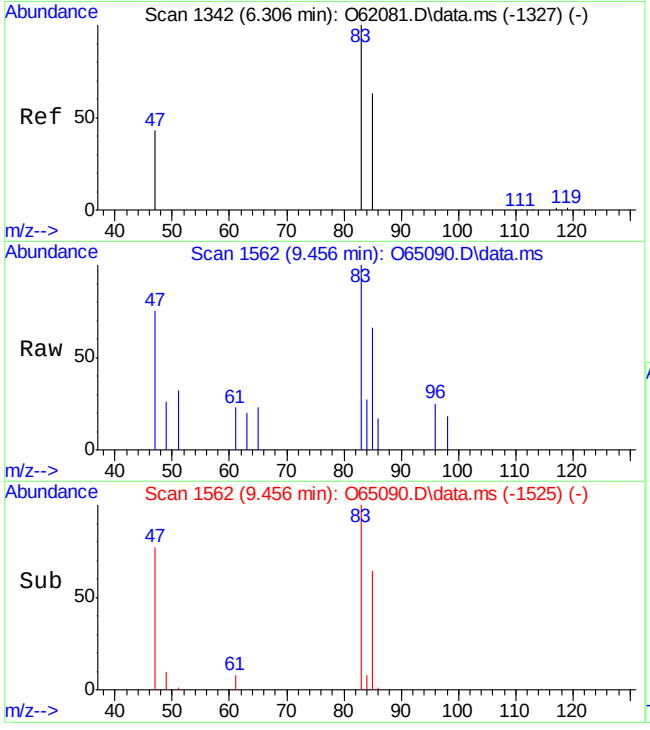


#5
Methylene Chloride
Concen: 0.15 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65090.D
Acq: 10 Sep 2021 5:46 pm

Tgt Ion: 49 Resp: 1413

Ion	Ratio	Lower	Upper
49	100		
84	55.4	35.5	95.5
86	32.9	12.8	72.8

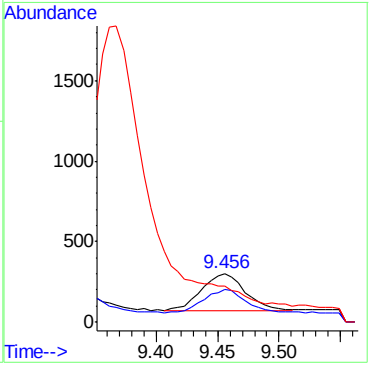


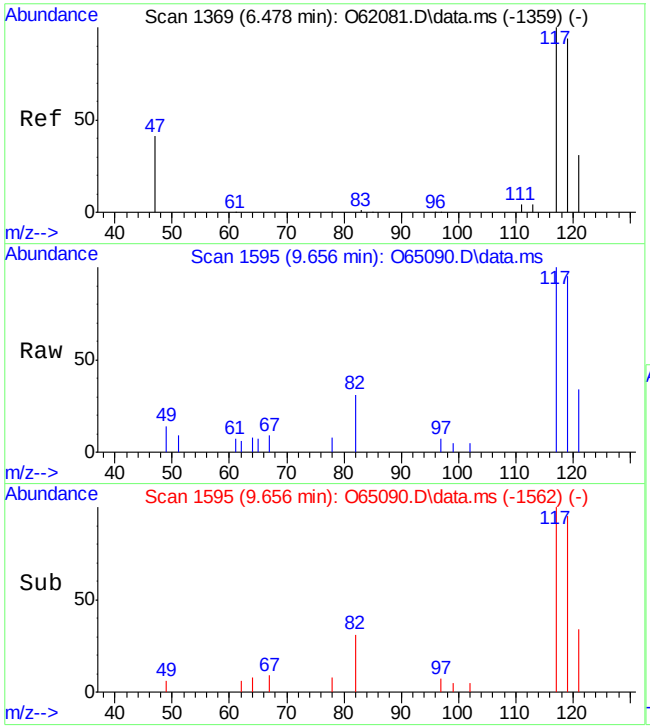


#9
Chloroform
Concen: 0.06 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65090.D
Acq: 10 Sep 2021 5:46 pm

Tgt Ion: 83 Resp: 566

Ion	Ratio	Lower	Upper
83	100		
85	66.3	33.7	93.7
47	74.6	5.1	65.1#

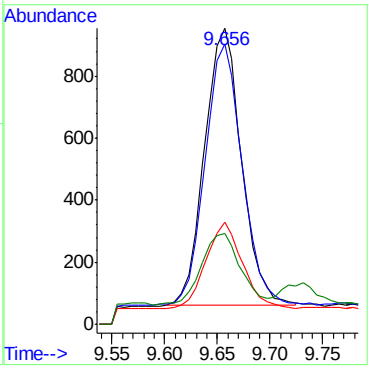




#10
Carbon Tetrachloride
Concen: 0.43 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65090.D
Acq: 10 Sep 2021 5:46 pm

Tgt Ion:117 Resp: 2173

Ion	Ratio	Lower	Upper
117	100		
119	94.5	68.2	128.2
121	34.4	1.1	61.1
82	30.8	0.0	54.2



Manual Integration Approval Summary

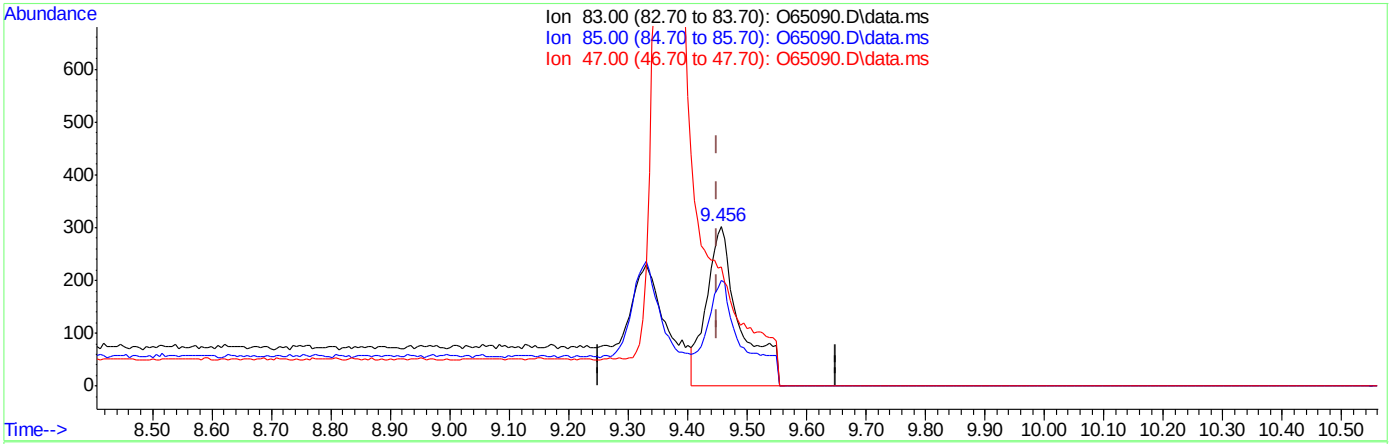
Sample Number: FA88620-4
Lab FileID: O65090.D
Injection Time: 09/10/21 17:46
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

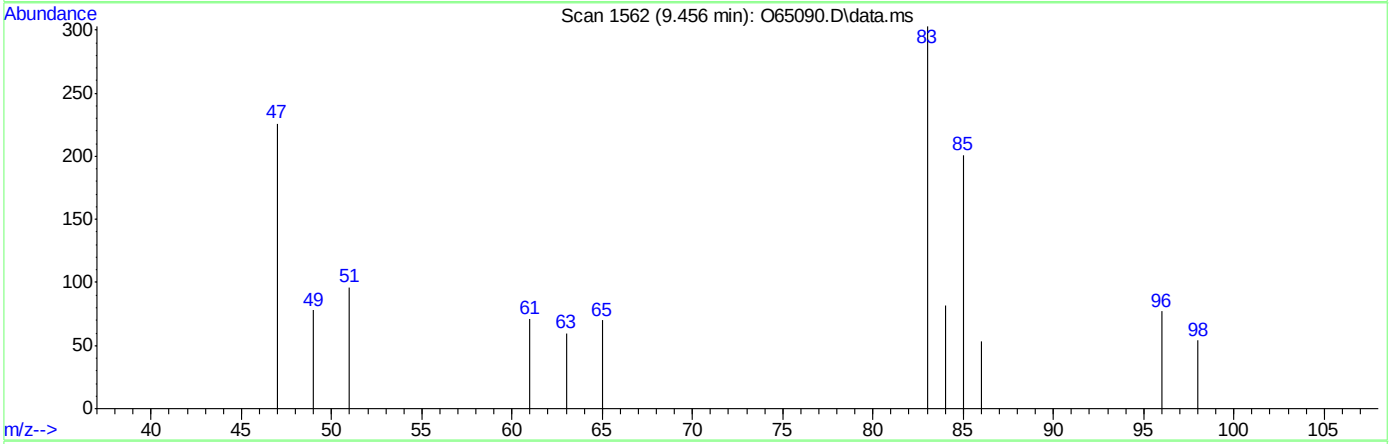
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:23:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65090.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.14ug/L

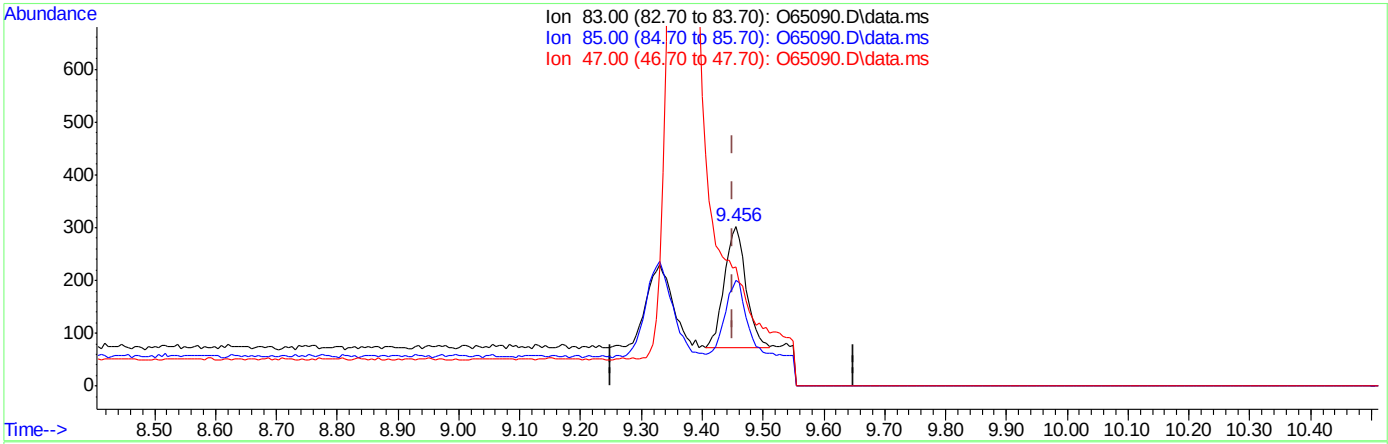
response 1206

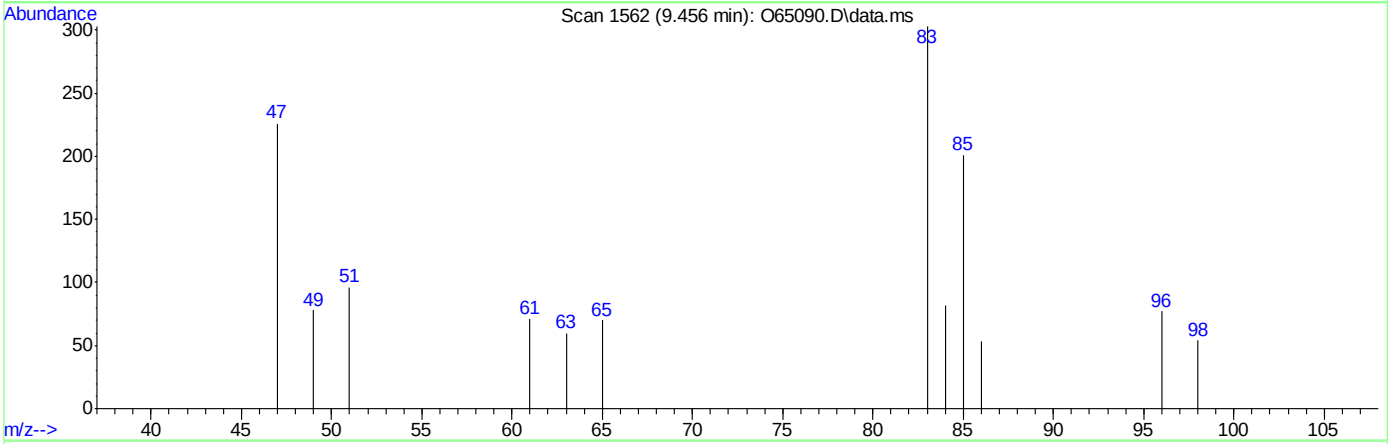
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.34
47.00	35.10	74.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:23:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65090.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.06ug/L m

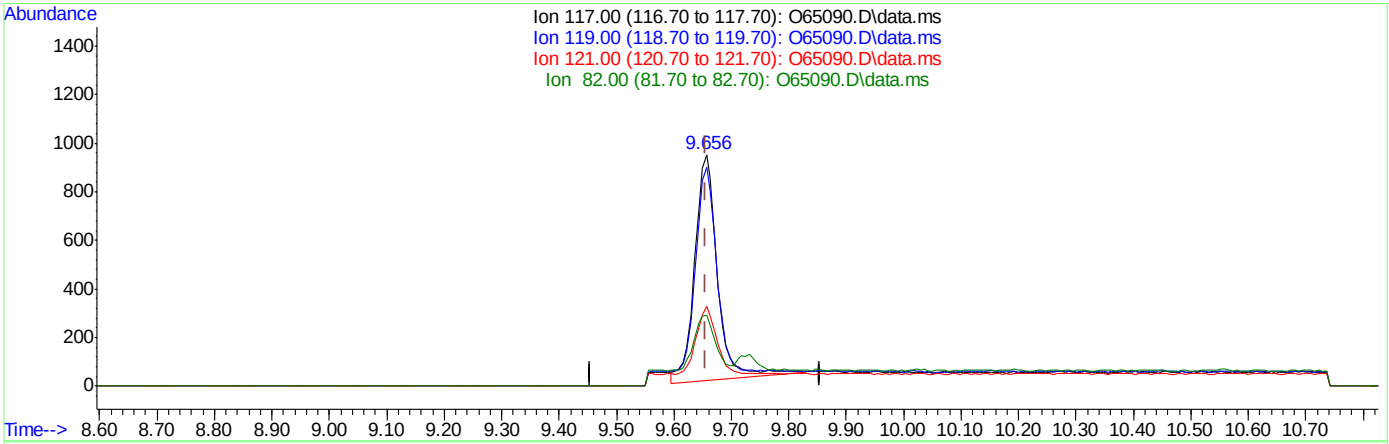
response 566

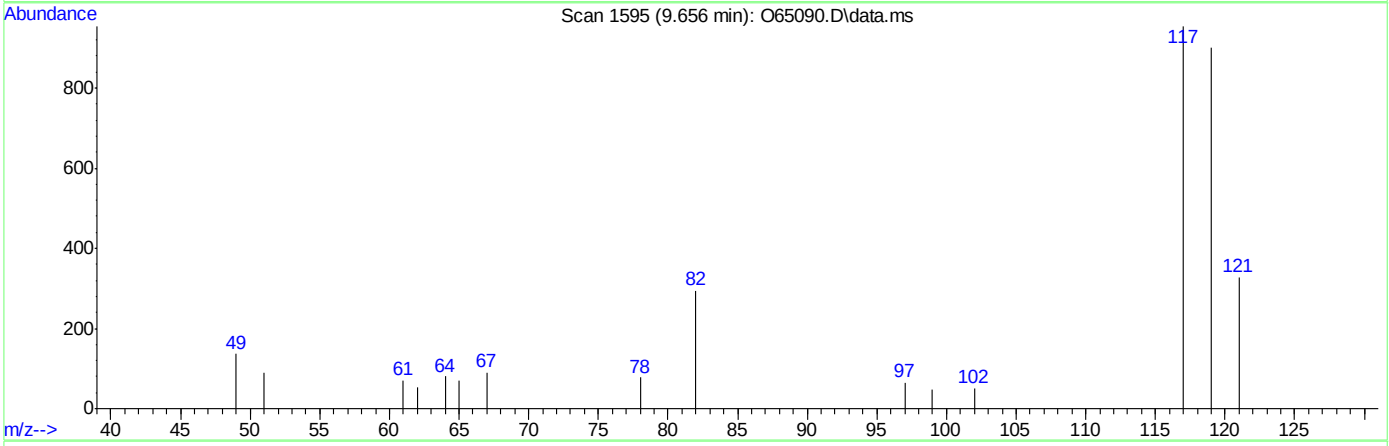
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.34
47.00	35.10	74.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:23:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65090.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.50ug/L

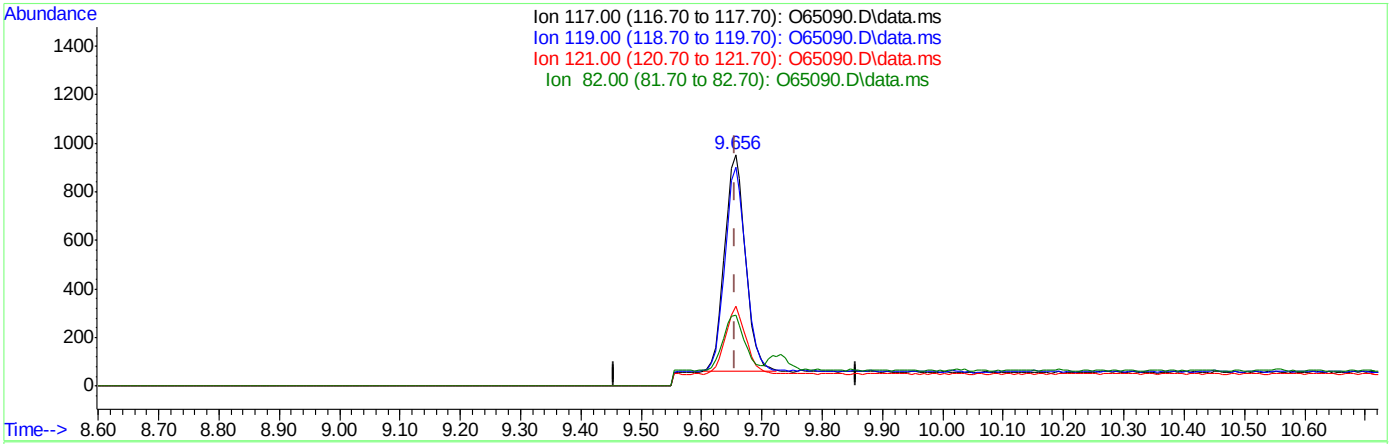
response 2550

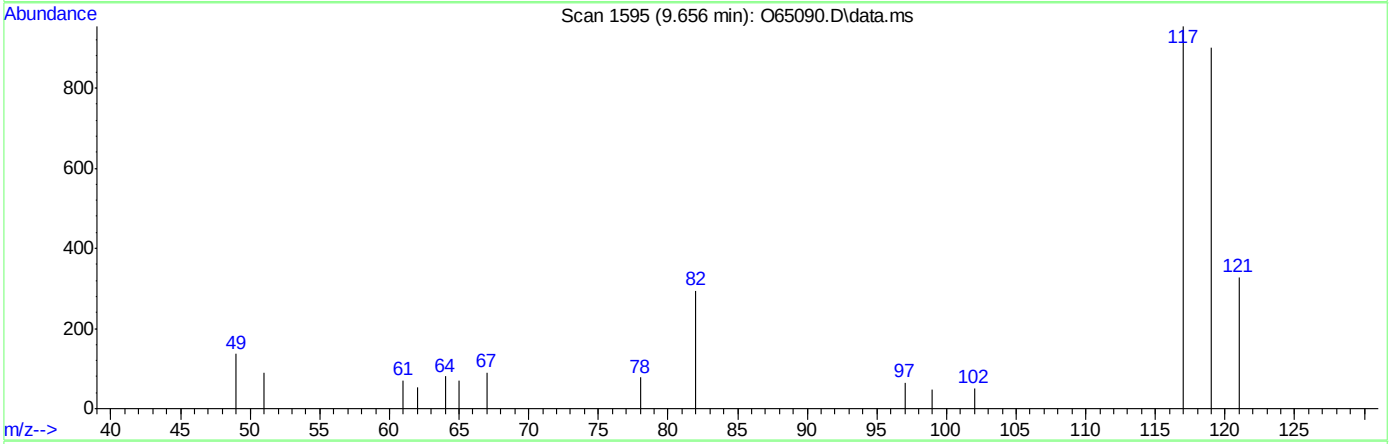
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.63
121.00	31.10	30.95
82.00	24.20	25.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65090.D
Acq On : 10 Sep 2021 5:46 pm
Operator : charleng
Sample : FA88620-4 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 09:23:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65090.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.43ug/L m

response 2173

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.55
121.00	31.10	34.38
82.00	24.20	30.82

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:33:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

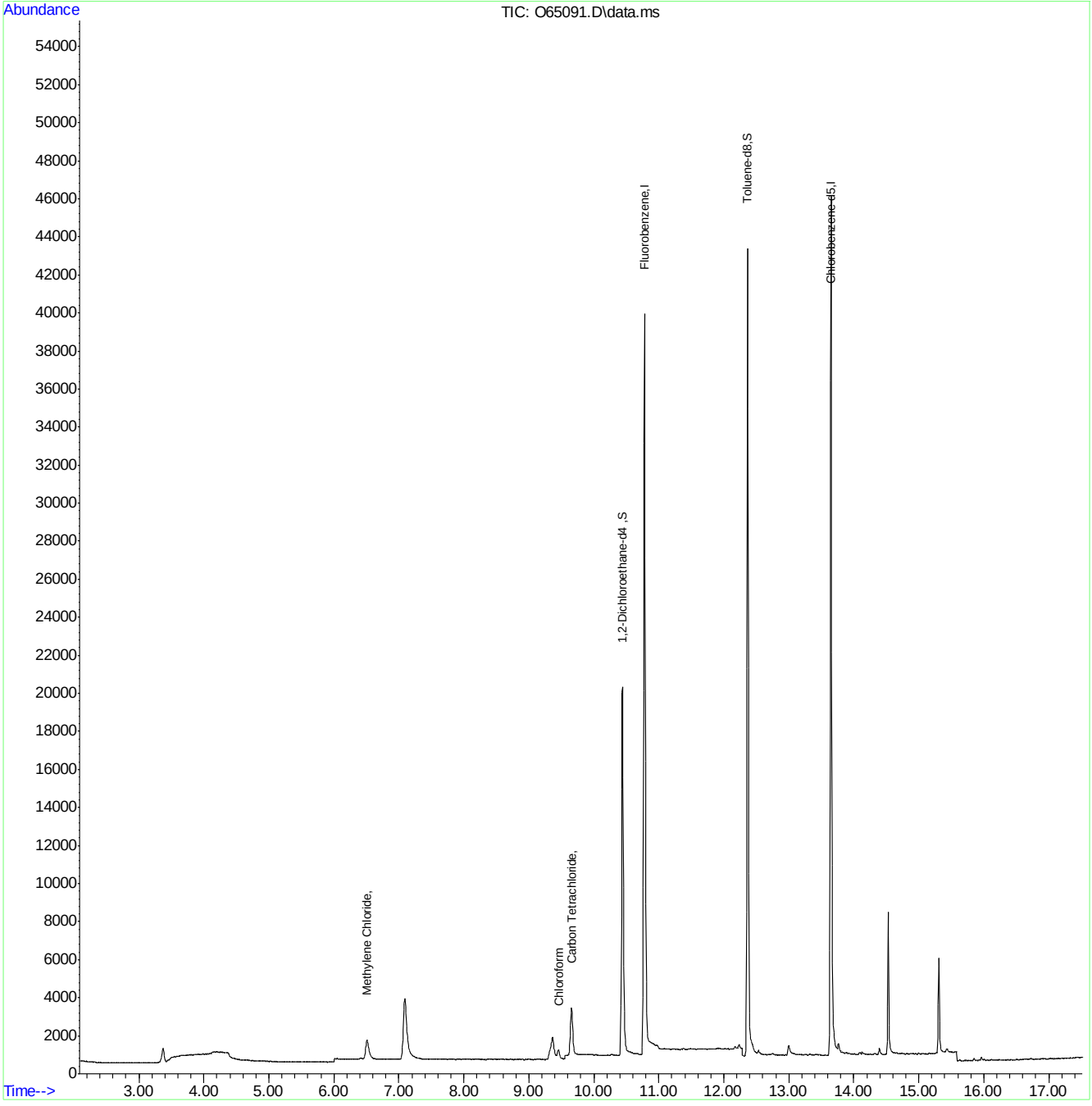
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45846	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31690	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	18975	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	37641	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1403	0.15	ug/L	91
9) Chloroform	9.456	83	463m	0.05	ug/L	
10) Carbon Tetrachloride	9.657	117	2281m	0.45	ug/L	

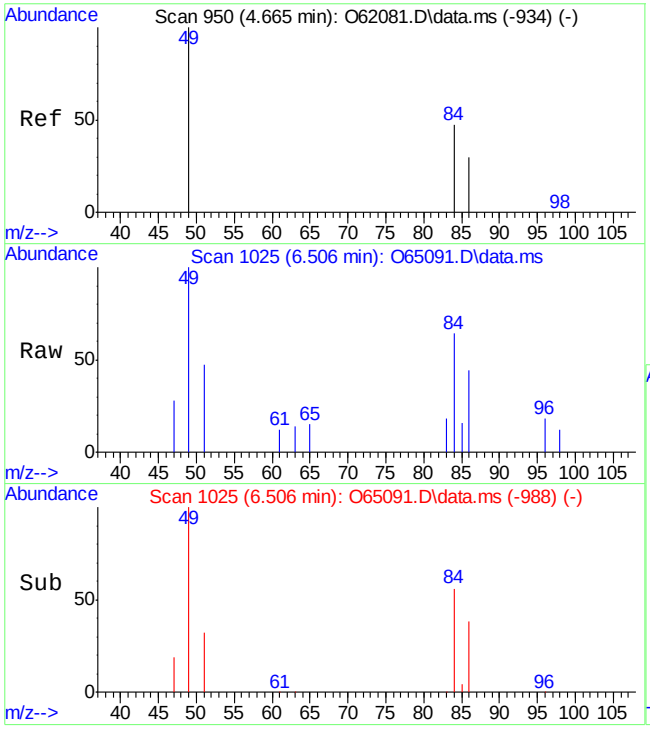
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:33:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

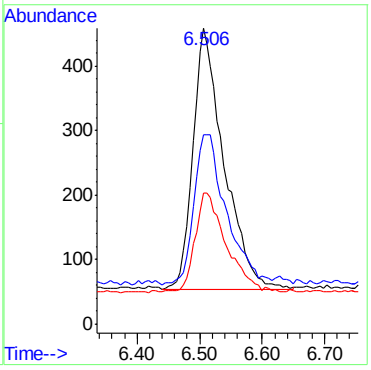


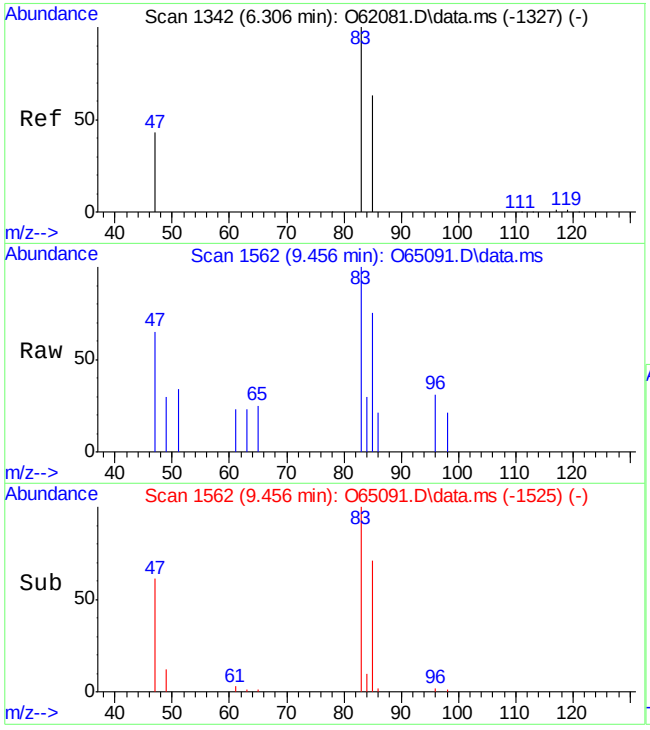


#5
Methylene Chloride
Concen: 0.15 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65091.D
Acq: 10 Sep 2021 6:09 pm

Tgt Ion: 49 Resp: 1403

Ion	Ratio	Lower	Upper
49	100		
84	57.8	35.5	95.5
86	37.8	12.8	72.8

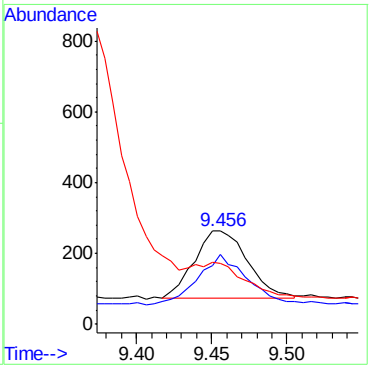


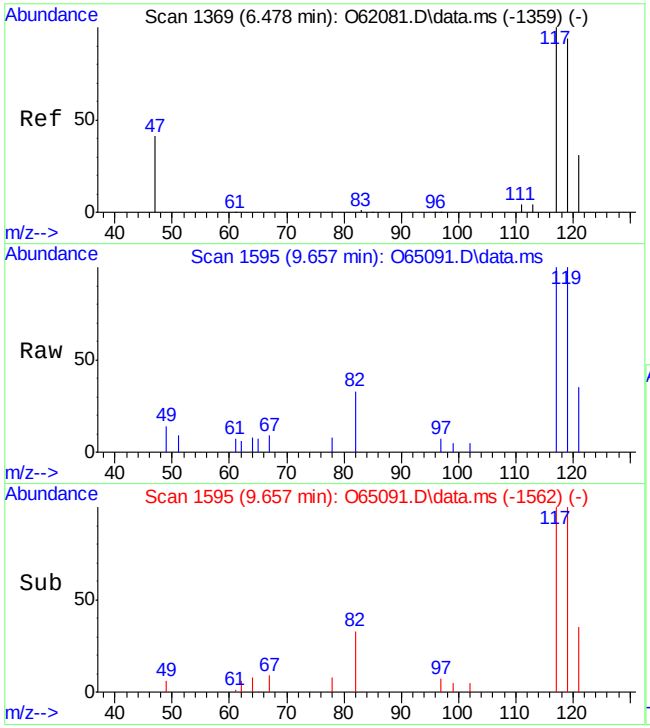


#9
Chloroform
Concen: 0.05 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65091.D
Acq: 10 Sep 2021 6:09 pm

Tgt Ion: 83 Resp: 463

Ion	Ratio	Lower	Upper
83	100		
85	74.5	33.7	93.7
47	65.4	5.1	65.1#

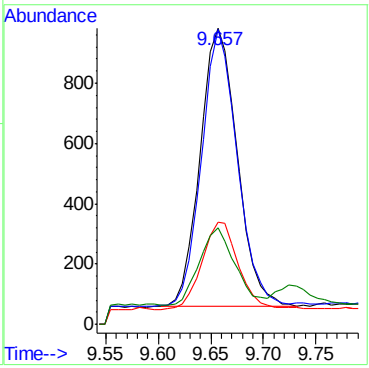




#10
Carbon Tetrachloride
Concen: 0.45 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65091.D
Acq: 10 Sep 2021 6:09 pm

Tgt Ion:117 Resp: 2281

Ion	Ratio	Lower	Upper
117	100		
119	99.7	68.2	128.2
121	34.5	1.1	61.1
82	32.7	0.0	54.2



Manual Integration Approval Summary

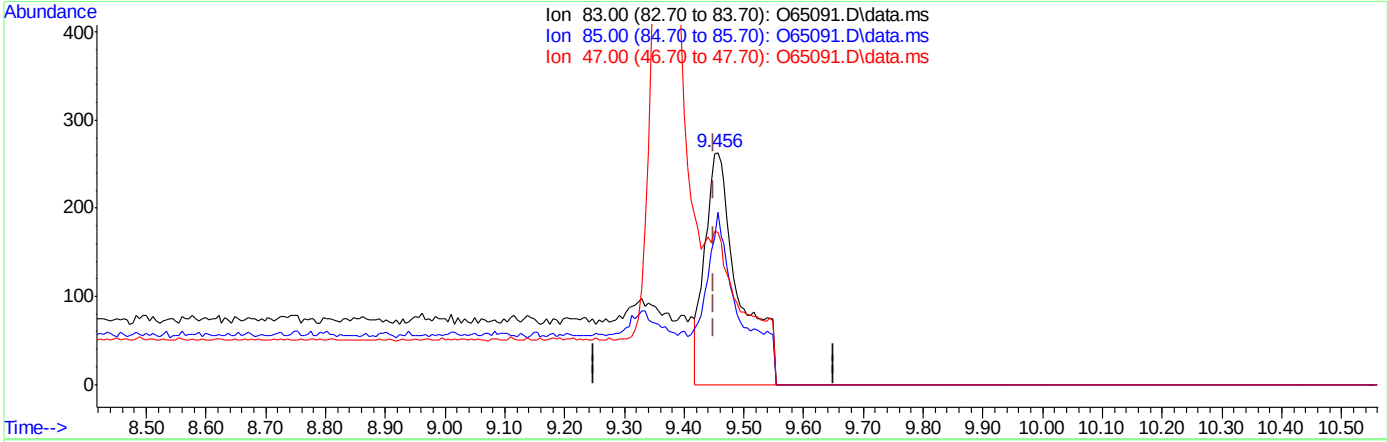
Sample Number: FA88620-5
Lab FileID: O65091.D
Injection Time: 09/10/21 18:09
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

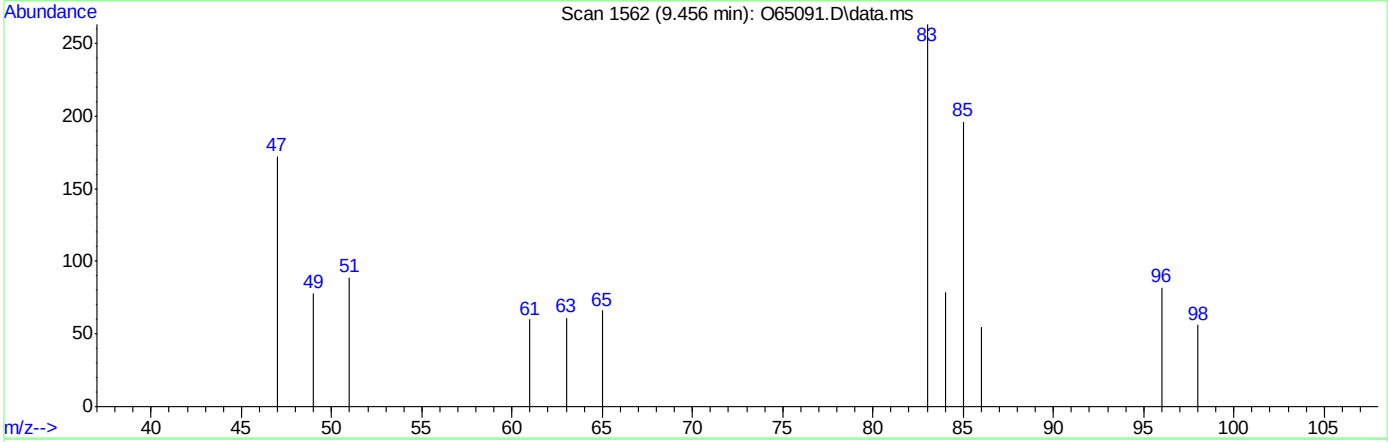
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:23:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65091.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.12ug/L

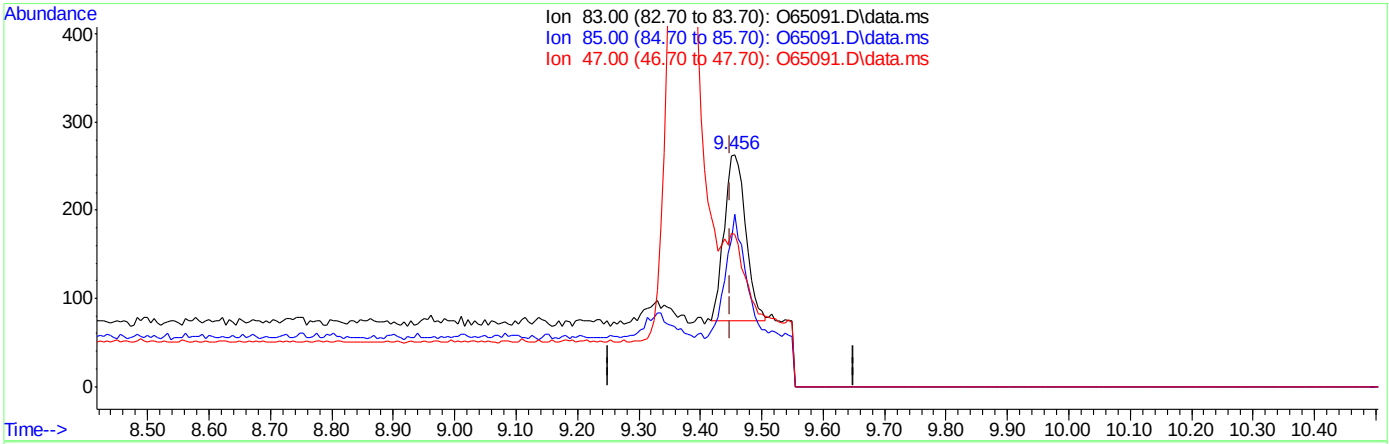
response 1063

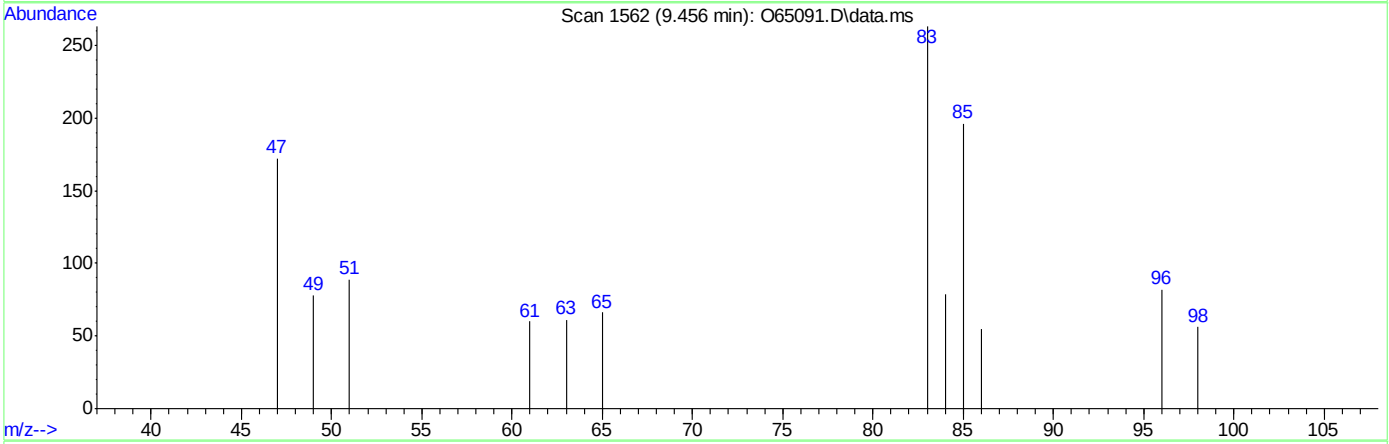
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	74.52
47.00	35.10	65.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:23:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65091.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.05ug/L m

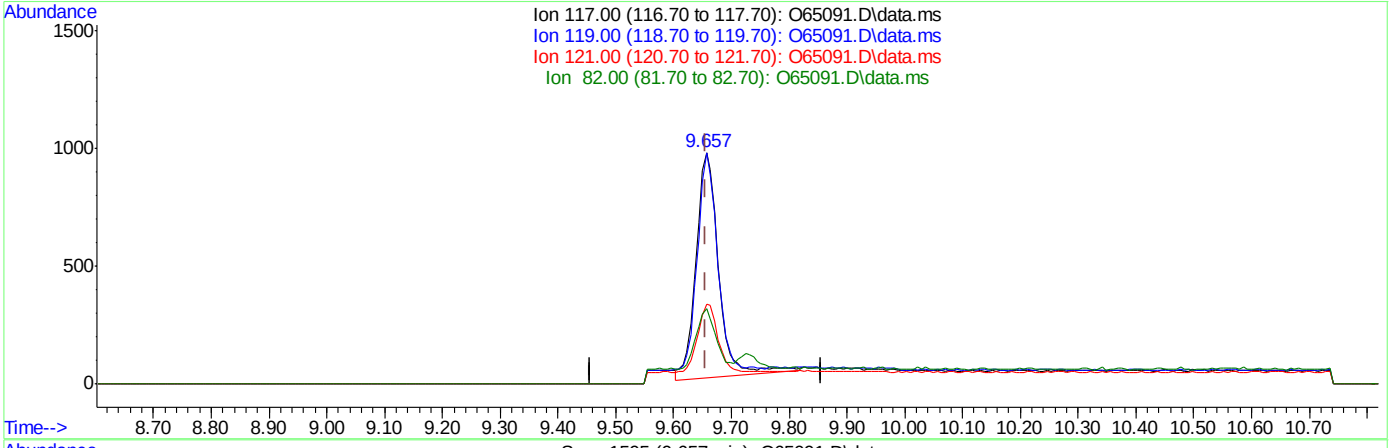
response 463

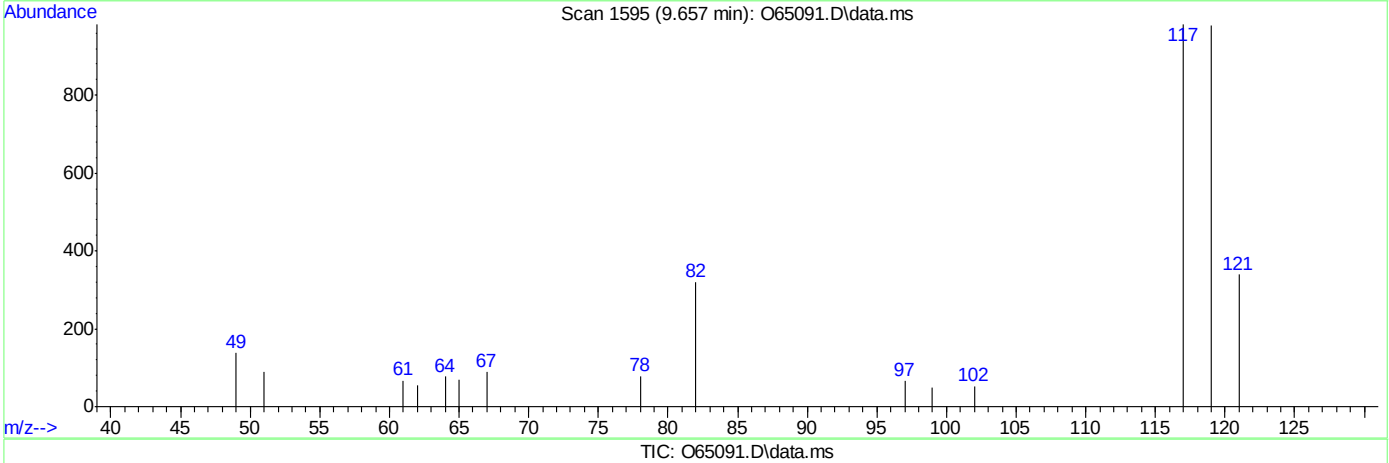
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	74.52
47.00	35.10	65.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:23:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65091.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.51ug/L

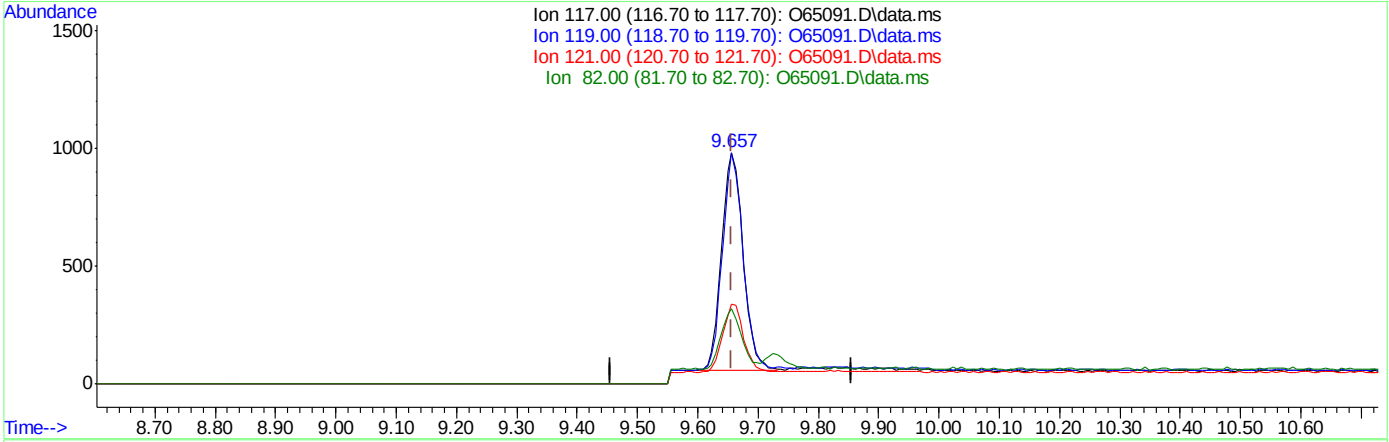
response 2602

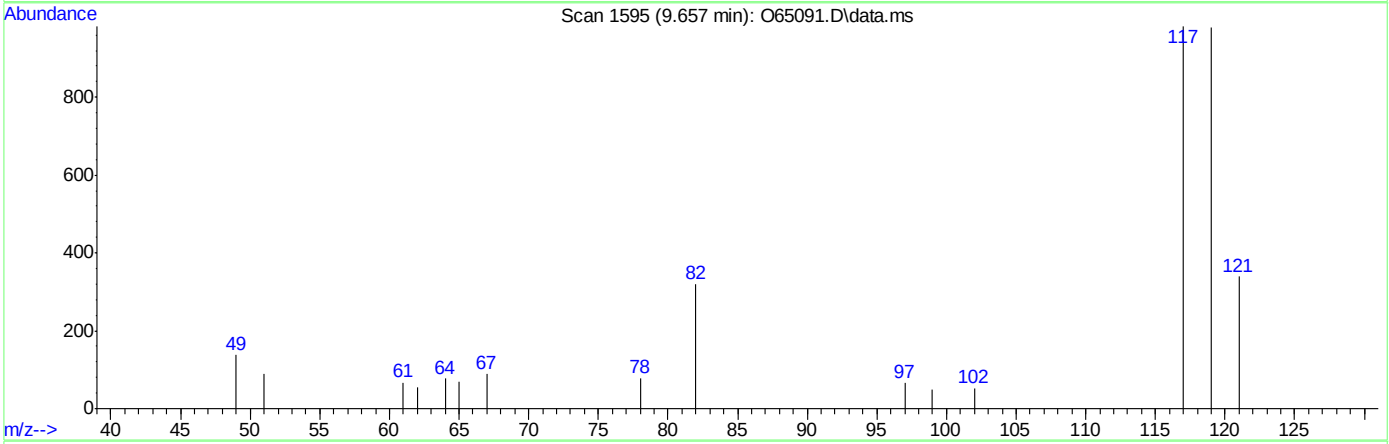
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	99.35
121.00	31.10	31.34
82.00	24.20	27.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65091.D
Acq On : 10 Sep 2021 6:09 pm
Operator : charleng
Sample : FA88620-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 09:23:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65091.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.45ug/L m

response 2281

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	99.69
121.00	31.10	34.52
82.00	24.20	32.69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65092.D
Acq On : 10 Sep 2021 6:32 pm
Operator : charleng
Sample : FA88620-6 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 09:33:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

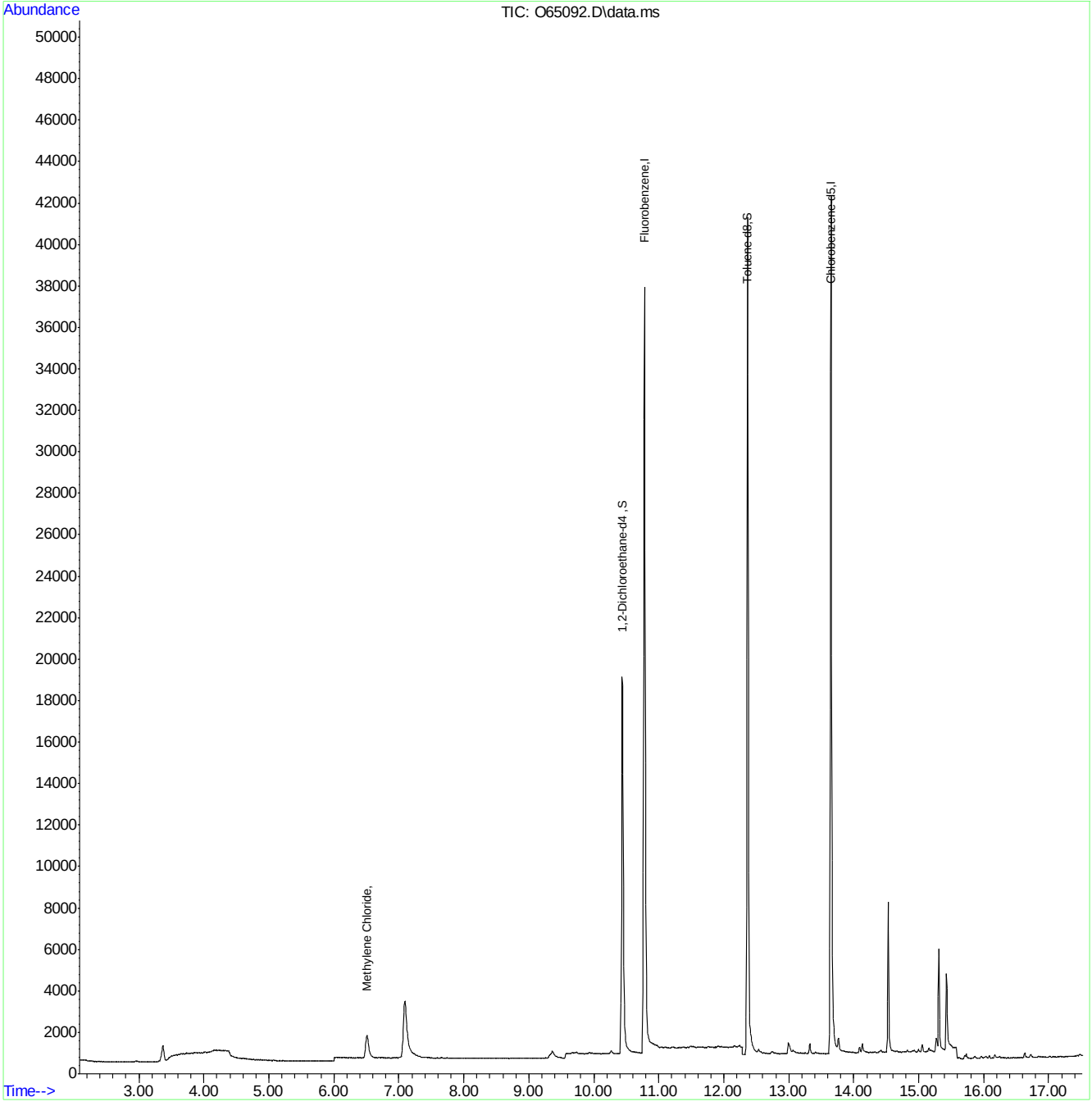
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43157	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29865	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17931	5.17	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.40%			
19) Toluene-d8	12.367	98	35455	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1473	0.16	ug/L	91

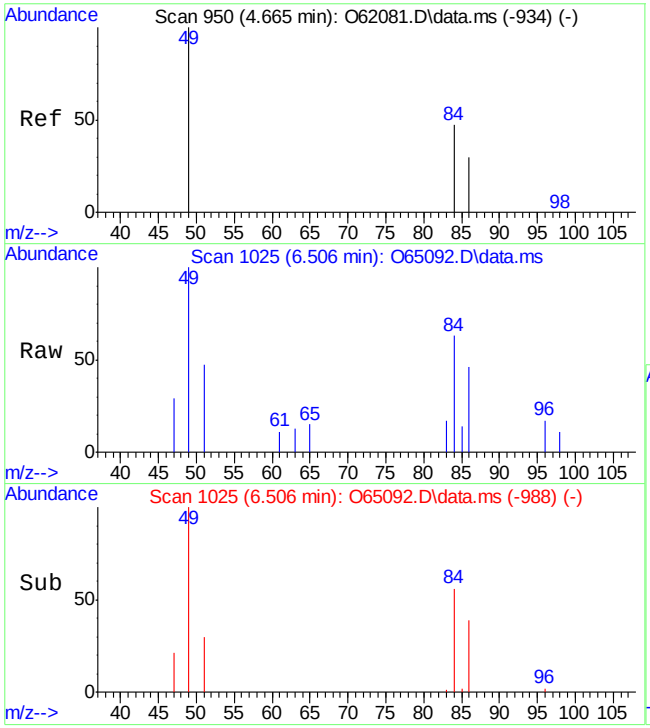
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65092.D
Acq On : 10 Sep 2021 6:32 pm
Operator : charleng
Sample : FA88620-6 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 09:33:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

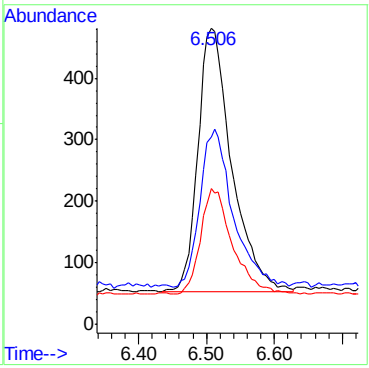




#5
Methylene Chloride
Concen: 0.16 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65092.D
Acq: 10 Sep 2021 6:32 pm

Tgt Ion: 49 Resp: 1473

Ion	Ratio	Lower	Upper
49	100		
84	56.2	35.5	95.5
86	39.3	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:33:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

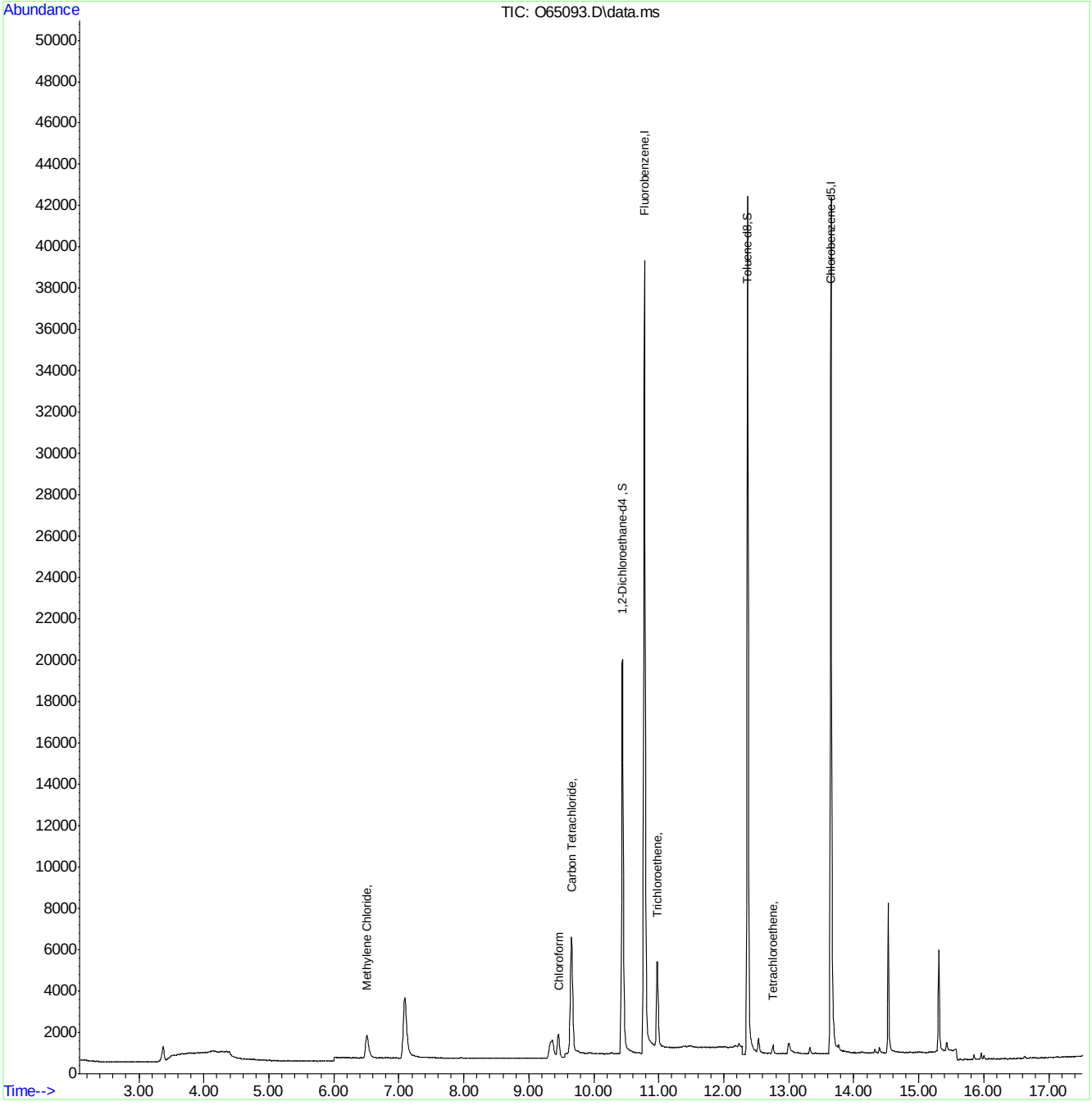
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	44626	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30776	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	18575	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	36710	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1510	0.16	ug/L	92
9) Chloroform	9.456	83	1252m	0.15	ug/L	
10) Carbon Tetrachloride	9.656	117	5275m	1.06	ug/L	
15) Trichloroethene	10.973	95	2047	0.43	ug/L	94
21) Tetrachloroethene	12.752	166	165	0.04	ug/L	91

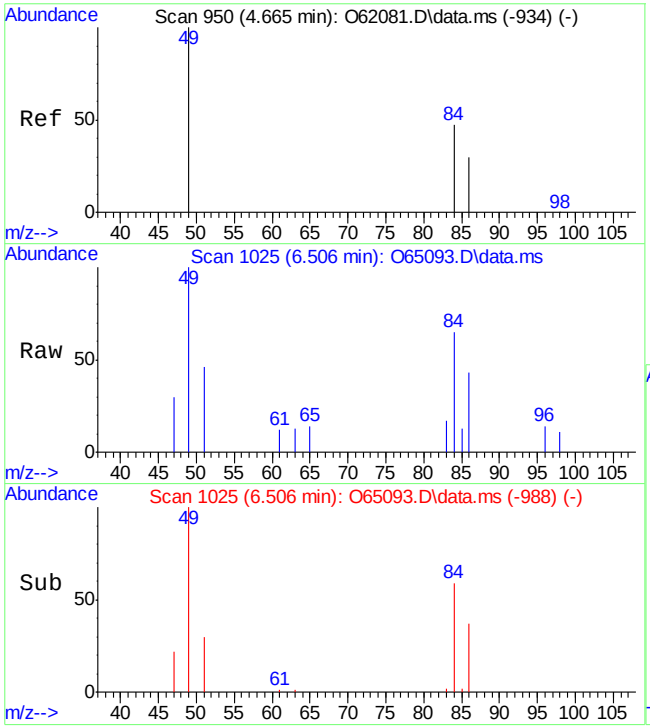
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:33:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

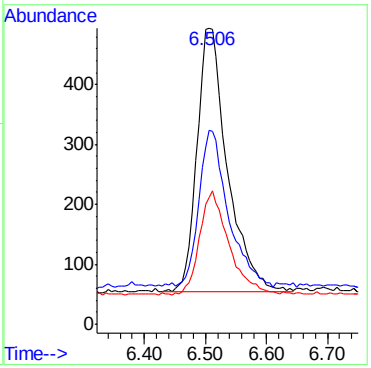


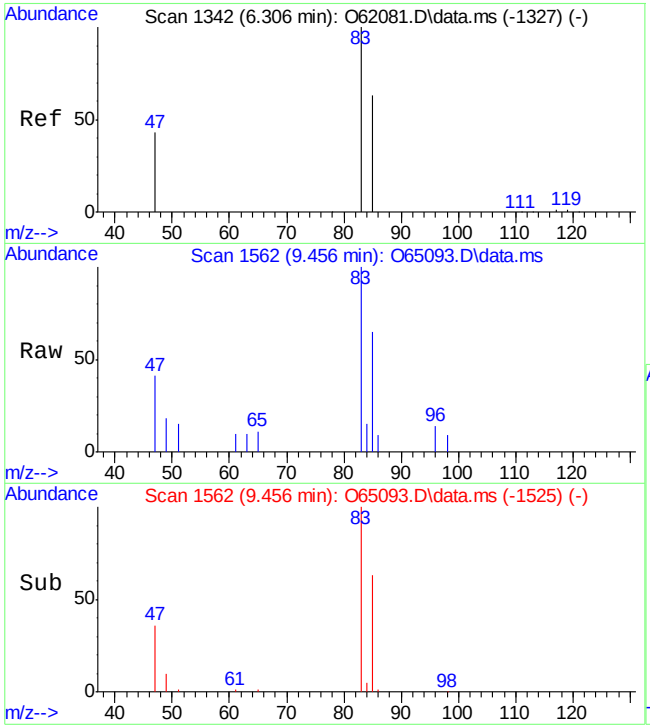


#5
Methylene Chloride
Concen: 0.16 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65093.D
Acq: 10 Sep 2021 6:55 pm

Tgt Ion: 49 Resp: 1510

Ion	Ratio	Lower	Upper
49	100		
84	59.2	35.5	95.5
86	36.9	12.8	72.8

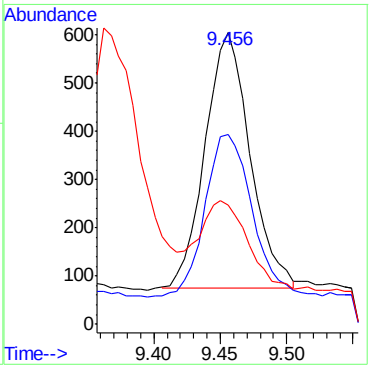


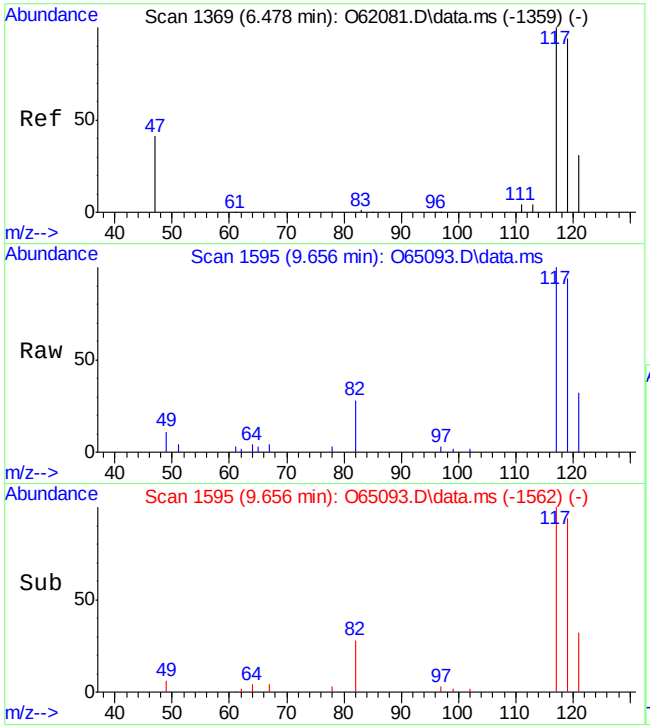


#9
Chloroform
Concen: 0.15 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65093.D
Acq: 10 Sep 2021 6:55 pm

Tgt Ion: 83 Resp: 1252

Ion	Ratio	Lower	Upper
83	100		
85	65.2	33.7	93.7
47	40.9	5.1	65.1

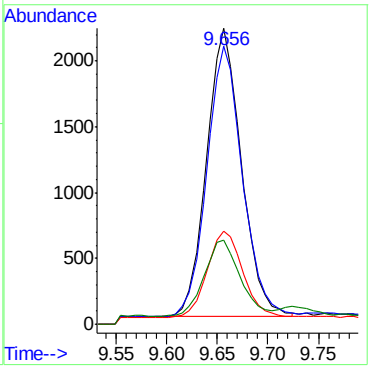


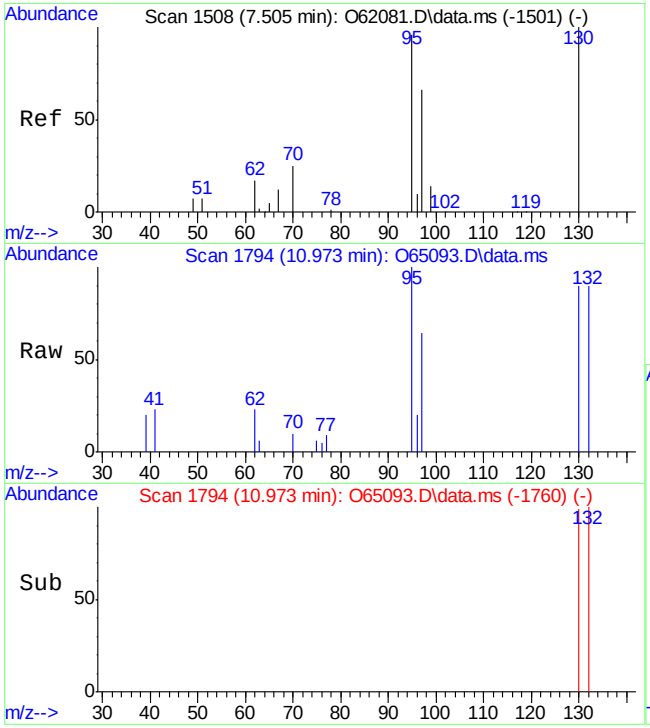


#10
Carbon Tetrachloride
Concen: 1.06 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65093.D
Acq: 10 Sep 2021 6:55 pm

Tgt Ion:117 Resp: 5275

Ion	Ratio	Lower	Upper
117	100		
119	94.0	68.2	128.2
121	31.6	1.1	61.1
82	28.4	0.0	54.2

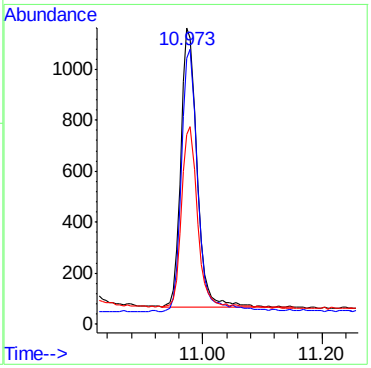


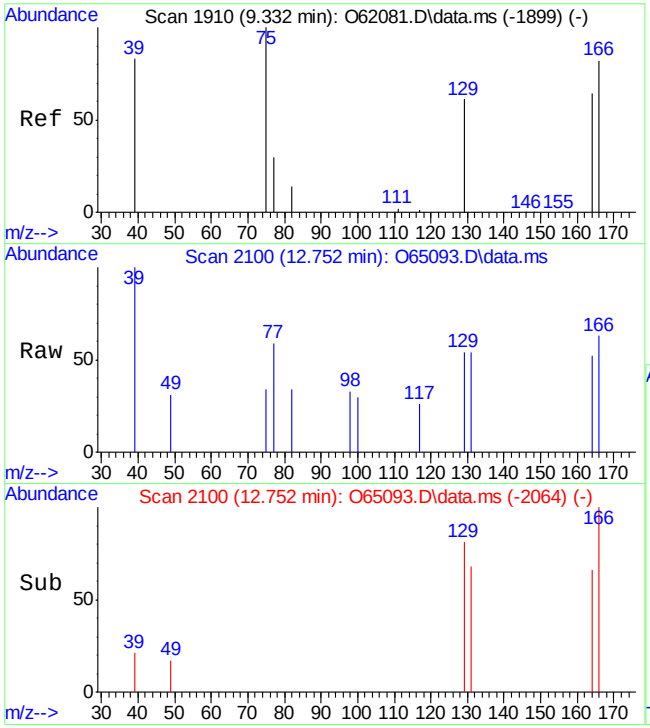


#15
Trichloroethene
Concen: 0.43 ug/L
RT: 10.973 min Scan# 1794
Delta R.T. -0.001 min
Lab File: O65093.D
Acq: 10 Sep 2021 6:55 pm

Tgt Ion: 95 Resp: 2047

Ion	Ratio	Lower	Upper
95	100		
130	90.6	69.9	129.9
97	62.4	34.0	94.0

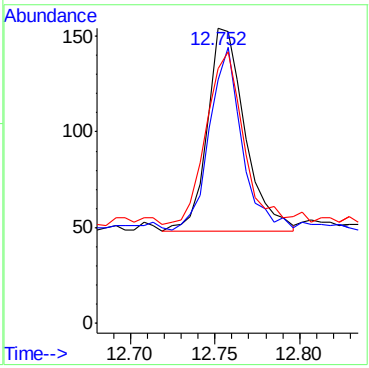




#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 12.752 min Scan# 2100
Delta R.T. -0.000 min
Lab File: O65093.D
Acq: 10 Sep 2021 6:55 pm

Tgt Ion:166 Resp: 165

Ion	Ratio	Lower	Upper
166	100		
164	72.6	48.0	108.0
129	76.4	36.6	96.6



Manual Integration Approval Summary

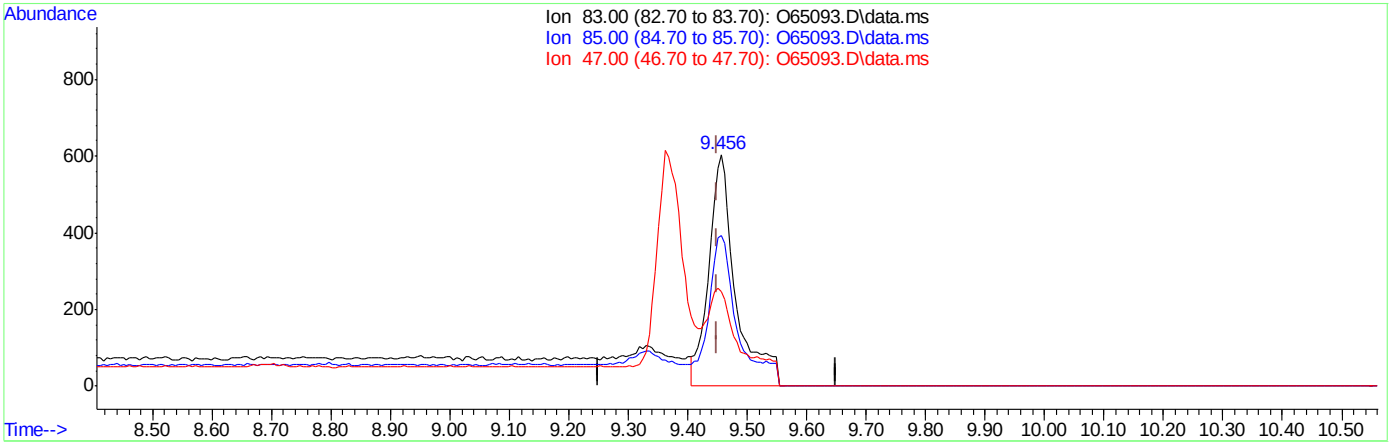
Sample Number: FA88620-7
Lab FileID: O65093.D
Injection Time: 09/10/21 18:55
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

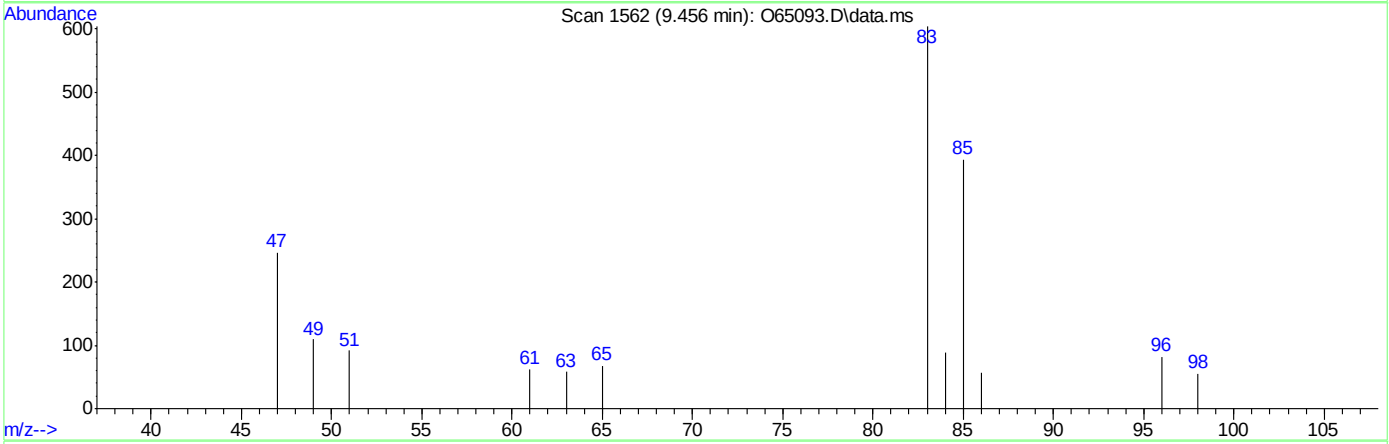
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:23:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65093.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.22ug/L

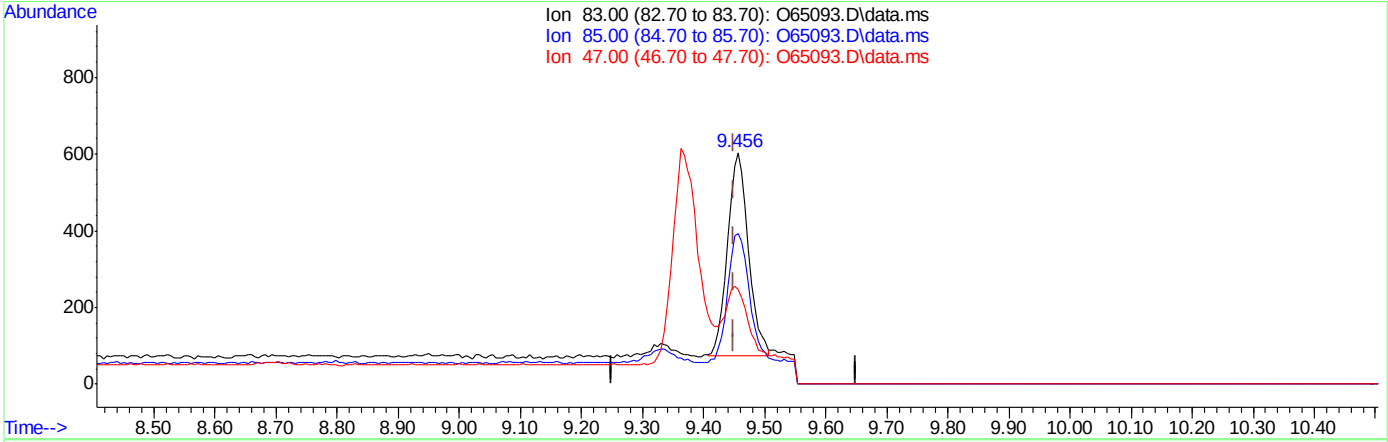
response 1924

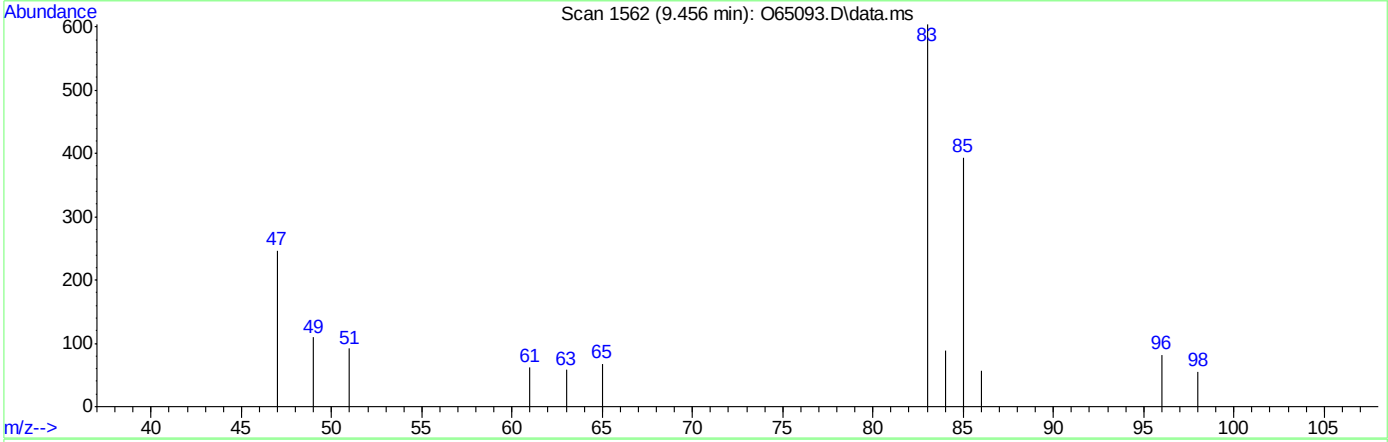
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.23
47.00	35.10	40.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:23:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65093.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.15ug/L m

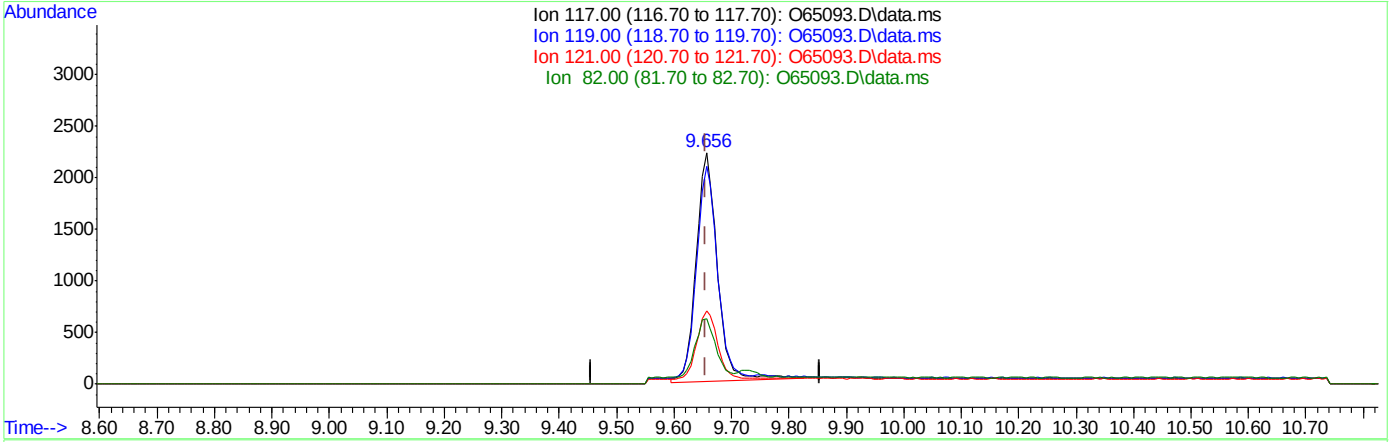
response 1252

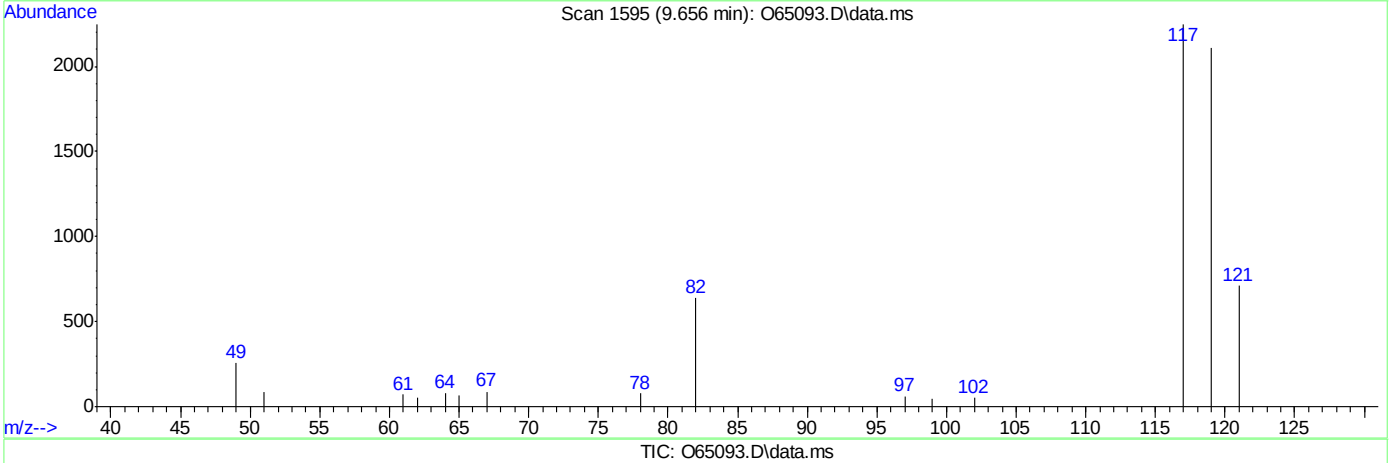
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.23
47.00	35.10	40.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:23:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65093.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.14ug/L

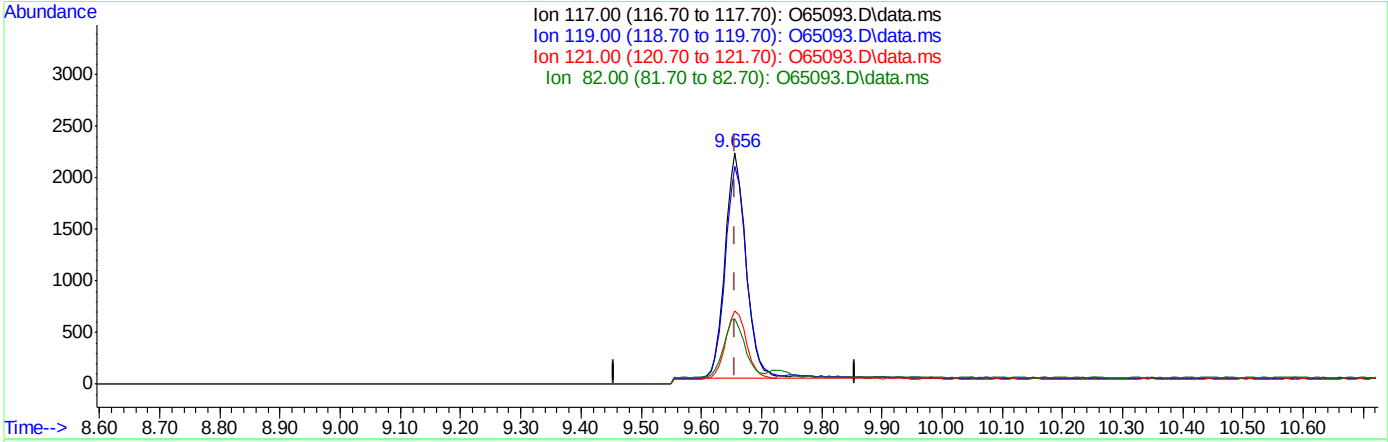
response 5695

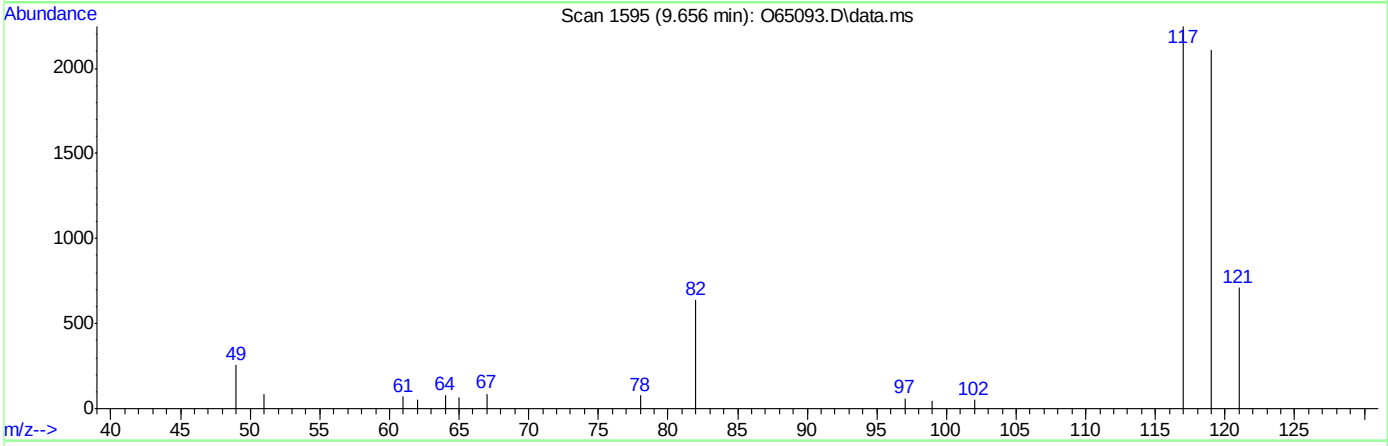
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.74
121.00	31.10	30.07
82.00	24.20	26.23

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65093.D
Acq On : 10 Sep 2021 6:55 pm
Operator : charleng
Sample : FA88620-7 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 09:23:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65093.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.06ug/L m

response 5275

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.99
121.00	31.10	31.55
82.00	24.20	28.44

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65094.D
Acq On : 10 Sep 2021 7:18 pm
Operator : charleng
Sample : FA88620-8 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 09:33:52 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

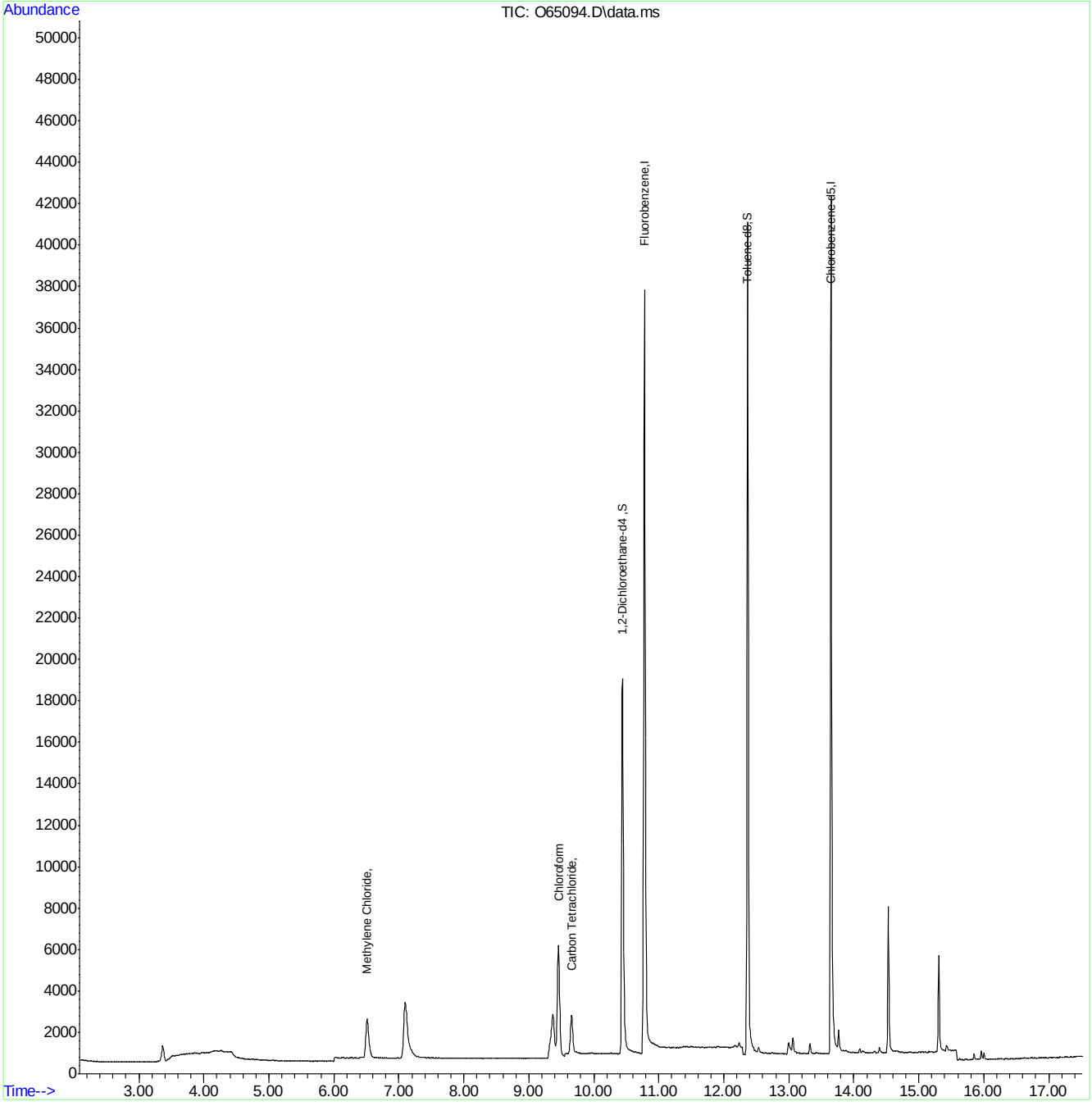
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43103	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29710	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	17887	5.16	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.20%			
19) Toluene-d8	12.367	98	35183	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	2408	0.27	ug/L	93
9) Chloroform	9.456	83	6006m	0.72	ug/L	
10) Carbon Tetrachloride	9.657	117	1747	0.36	ug/L	94

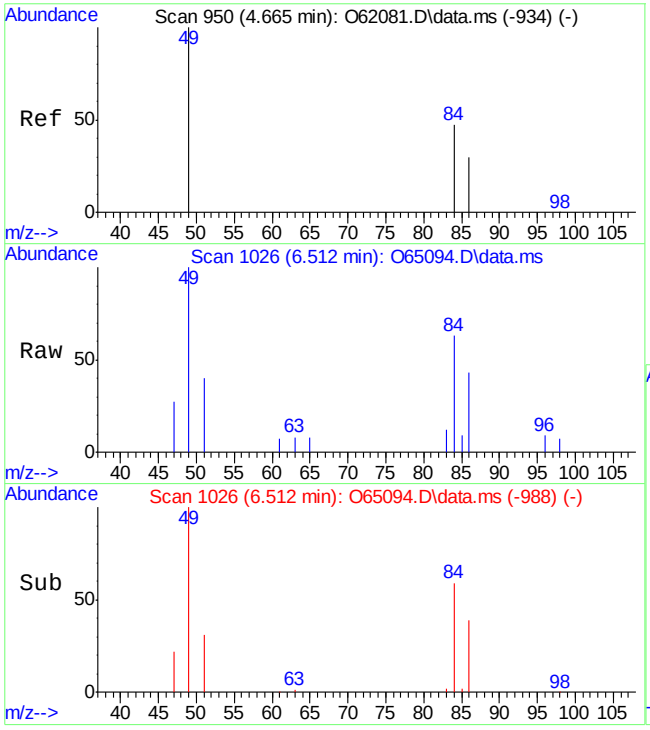
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65094.D
Acq On : 10 Sep 2021 7:18 pm
Operator : charleng
Sample : FA88620-8 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 09:33:52 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

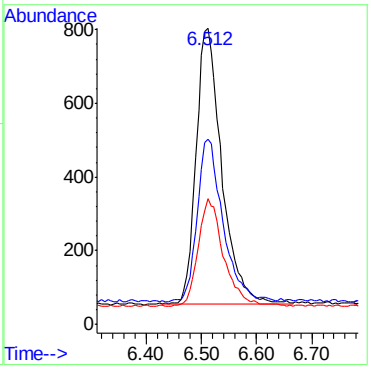


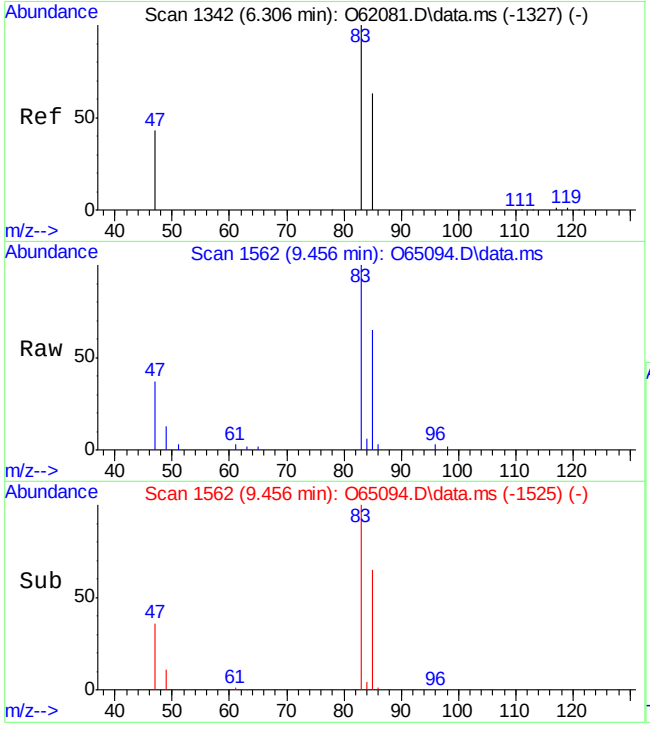


#5
Methylene Chloride
Concen: 0.27 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.011 min
Lab File: O65094.D
Acq: 10 Sep 2021 7:18 pm

Tgt Ion: 49 Resp: 2408

Ion	Ratio	Lower	Upper
49	100		
84	58.7	35.5	95.5
86	39.1	12.8	72.8

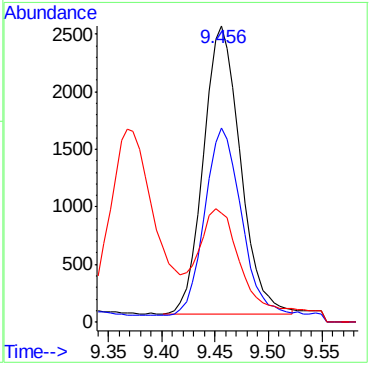


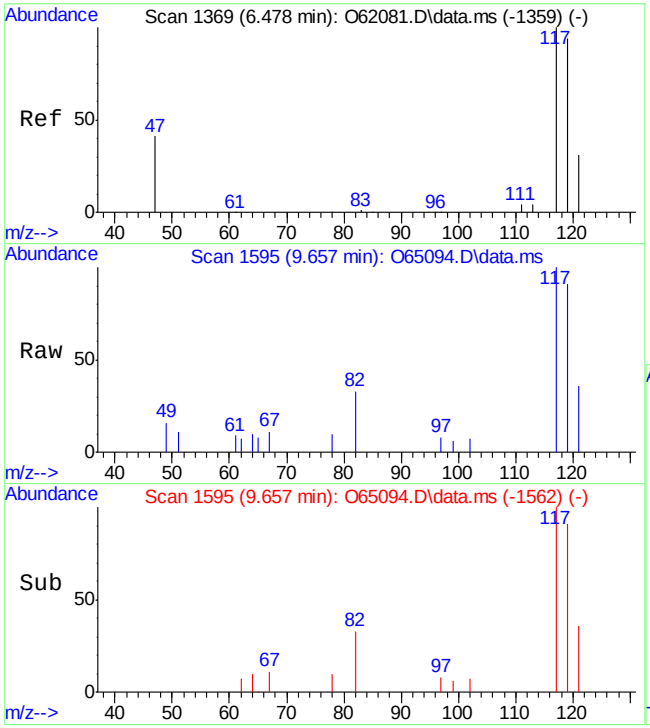


#9
Chloroform
Concen: 0.72 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65094.D
Acq: 10 Sep 2021 7:18 pm

Tgt Ion: 83 Resp: 6006

Ion	Ratio	Lower	Upper
83	100		
85	65.5	33.7	93.7
47	36.8	5.1	65.1

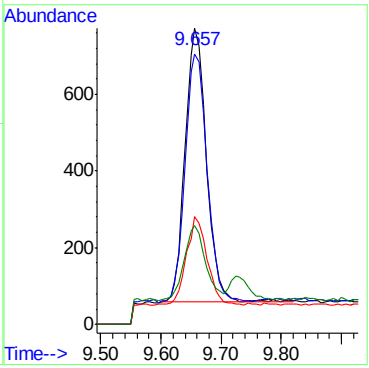




#10
Carbon Tetrachloride
Concen: 0.36 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65094.D
Acq: 10 Sep 2021 7:18 pm

Tgt Ion:117 Resp: 1747

Ion	Ratio	Lower	Upper
117	100		
119	90.5	68.2	128.2
121	32.2	1.1	61.1
82	26.8	0.0	54.2



7.1.8

7

Manual Integration Approval Summary

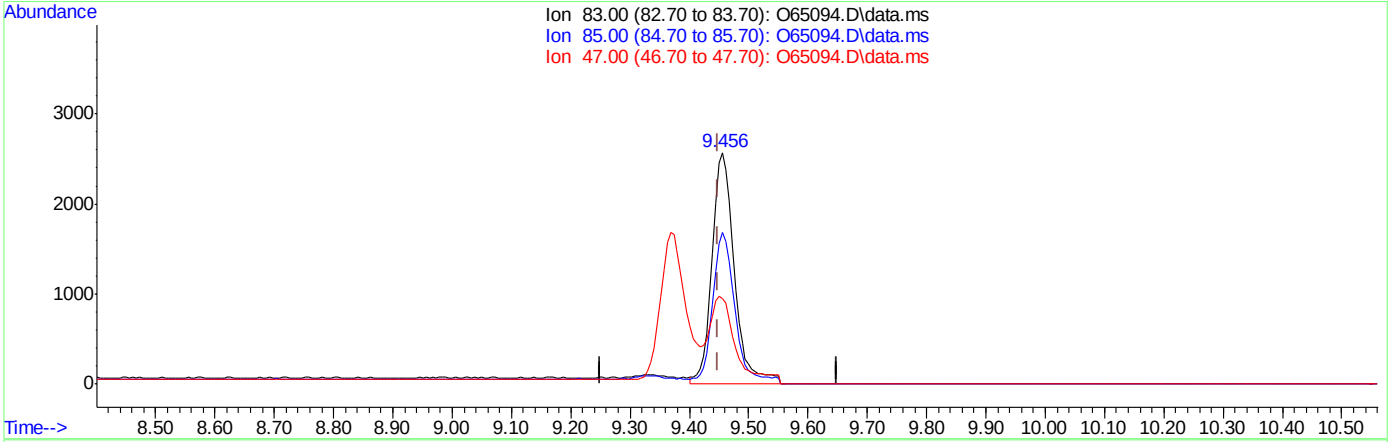
Sample Number: FA88620-8
Lab FileID: O65094.D
Injection Time: 09/10/21 19:18
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

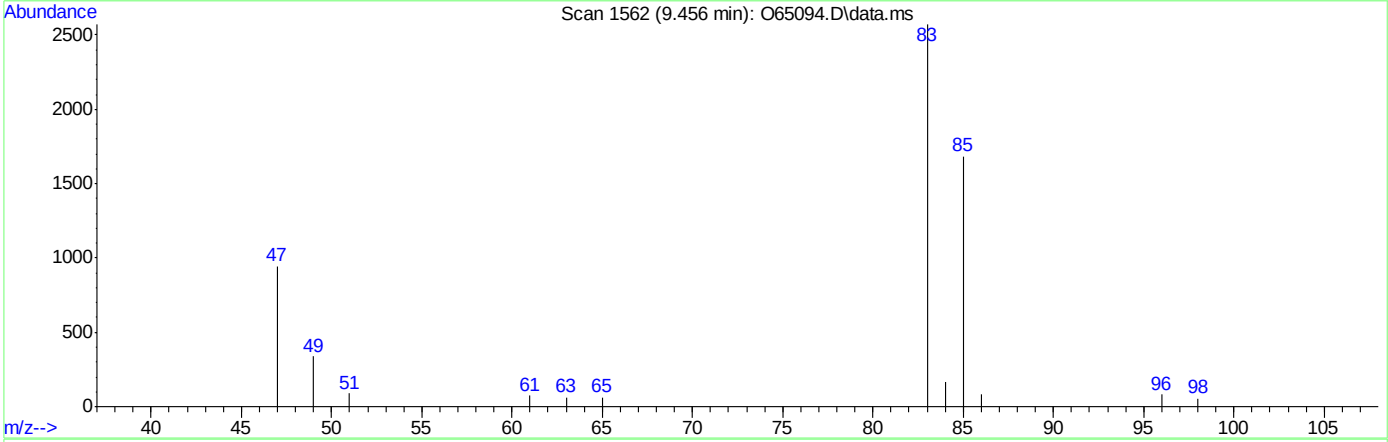
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65094.D
Acq On : 10 Sep 2021 7:18 pm
Operator : charleng
Sample : FA88620-8 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 09:23:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65094.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.81ug/L

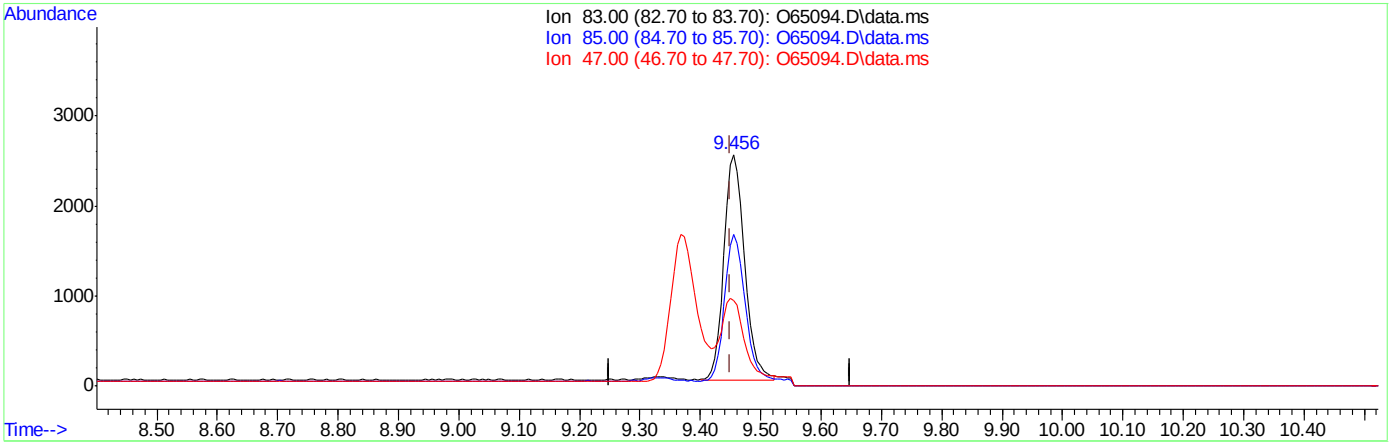
response 6729

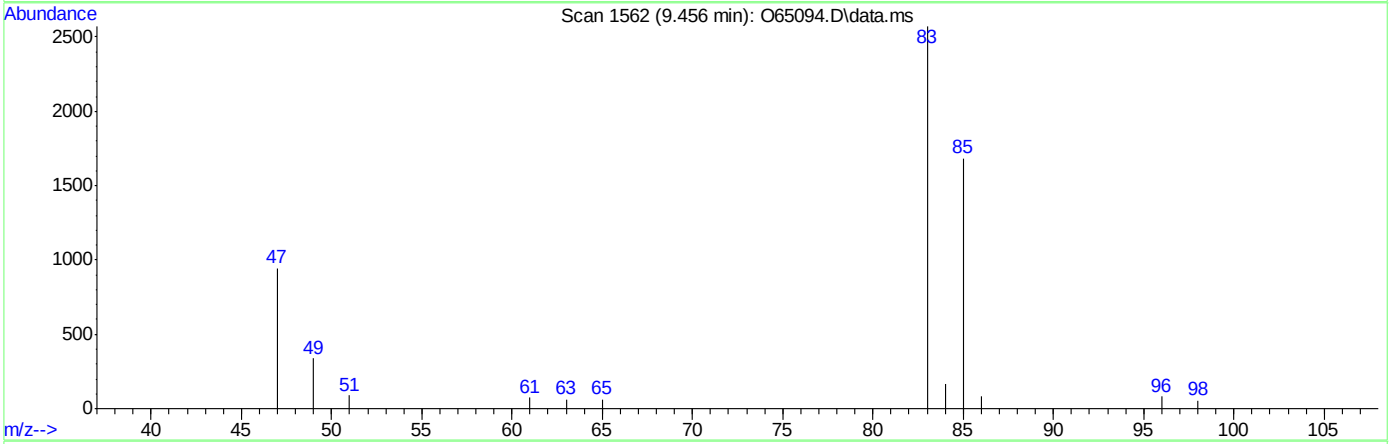
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.46
47.00	35.10	36.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65094.D
Acq On : 10 Sep 2021 7:18 pm
Operator : charleng
Sample : FA88620-8 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 09:23:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65094.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.72ug/L m

response 6006

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.46
47.00	35.10	36.80
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:34:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

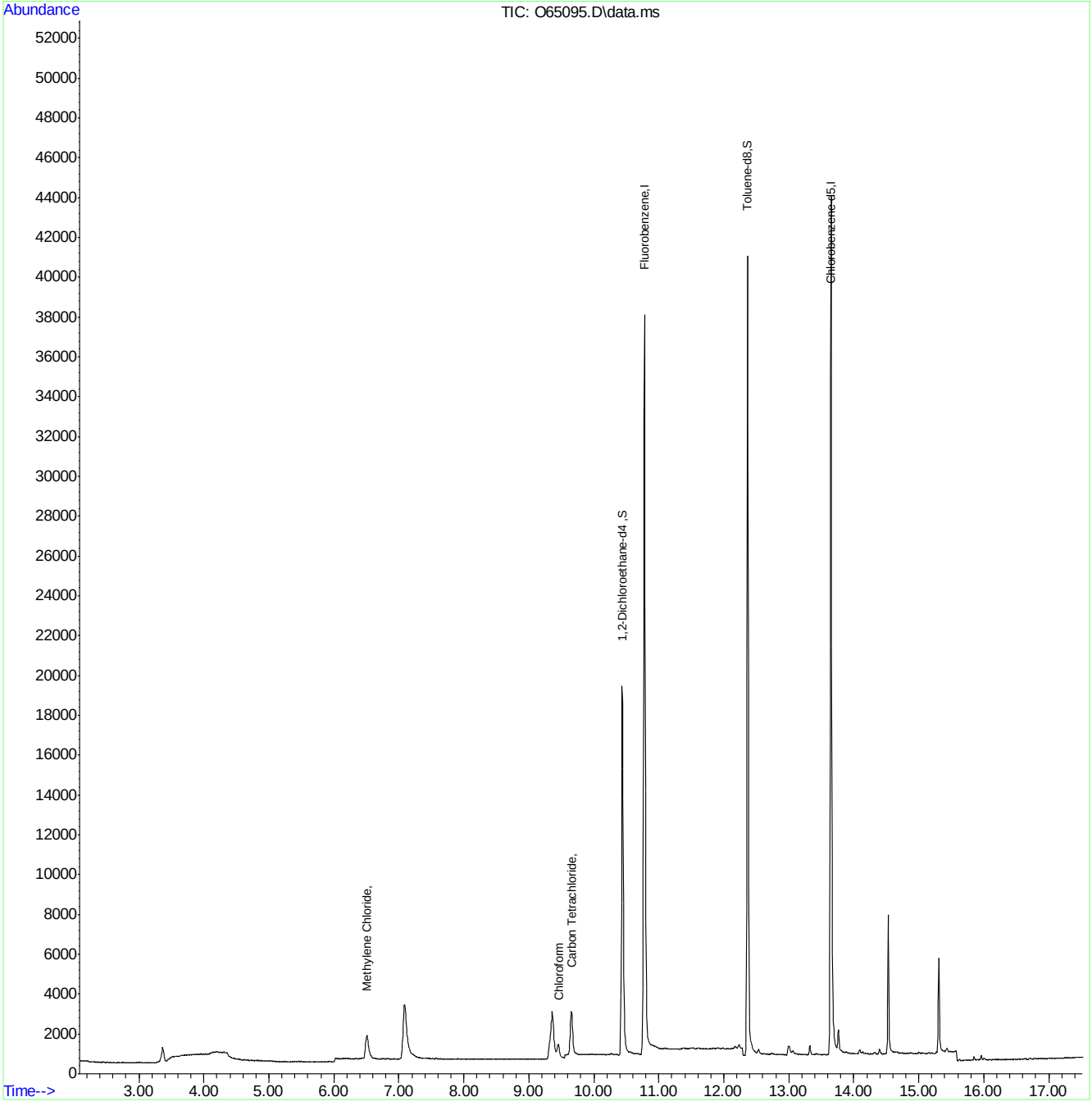
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43034	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29561	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17888	5.17	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.40%			
19) Toluene-d8	12.367	98	35038	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1616	0.18	ug/L	92
9) Chloroform	9.456	83	715m	0.09	ug/L	
10) Carbon Tetrachloride	9.656	117	2056m	0.43	ug/L	

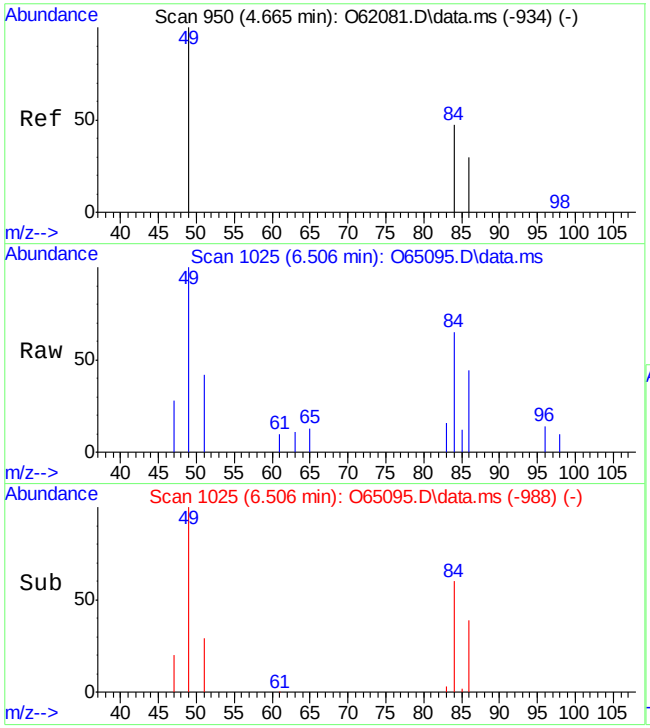
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:34:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

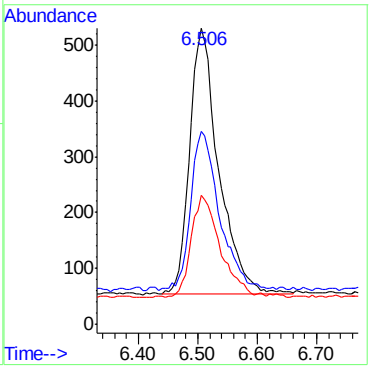


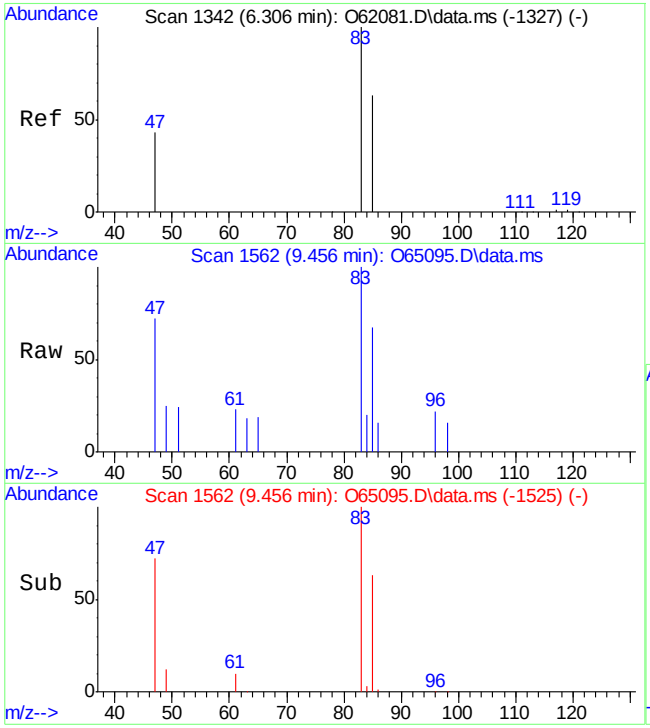


#5
Methylene Chloride
Concen: 0.18 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65095.D
Acq: 10 Sep 2021 7:41 pm

Tgt Ion: 49 Resp: 1616

Ion	Ratio	Lower	Upper
49	100		
84	59.0	35.5	95.5
86	37.8	12.8	72.8

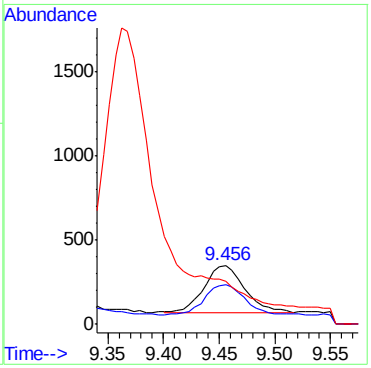


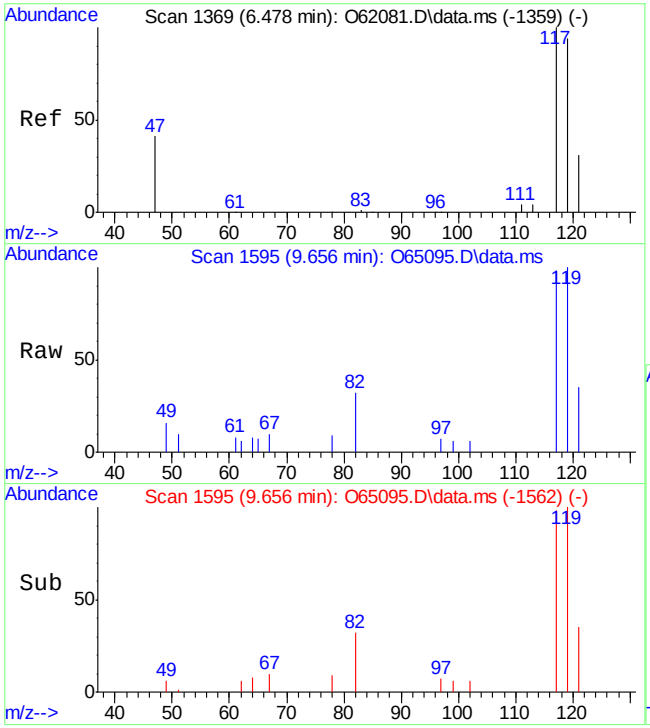


#9
Chloroform
Concen: 0.09 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65095.D
Acq: 10 Sep 2021 7:41 pm

Tgt Ion: 83 Resp: 715

Ion	Ratio	Lower	Upper
83	100		
85	67.0	33.7	93.7
47	72.1	5.1	65.1#

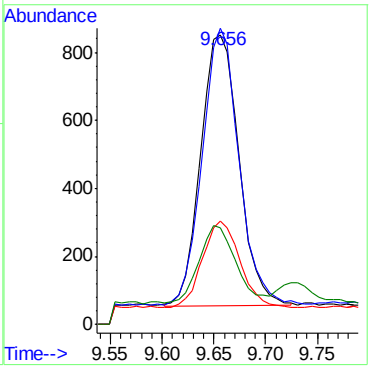




#10
Carbon Tetrachloride
Concen: 0.43 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65095.D
Acq: 10 Sep 2021 7:41 pm

Tgt Ion:117 Resp: 2056

Ion	Ratio	Lower	Upper
117	100		
119	102.4	68.2	128.2
121	35.6	1.1	61.1
82	33.3	0.0	54.2



Manual Integration Approval Summary

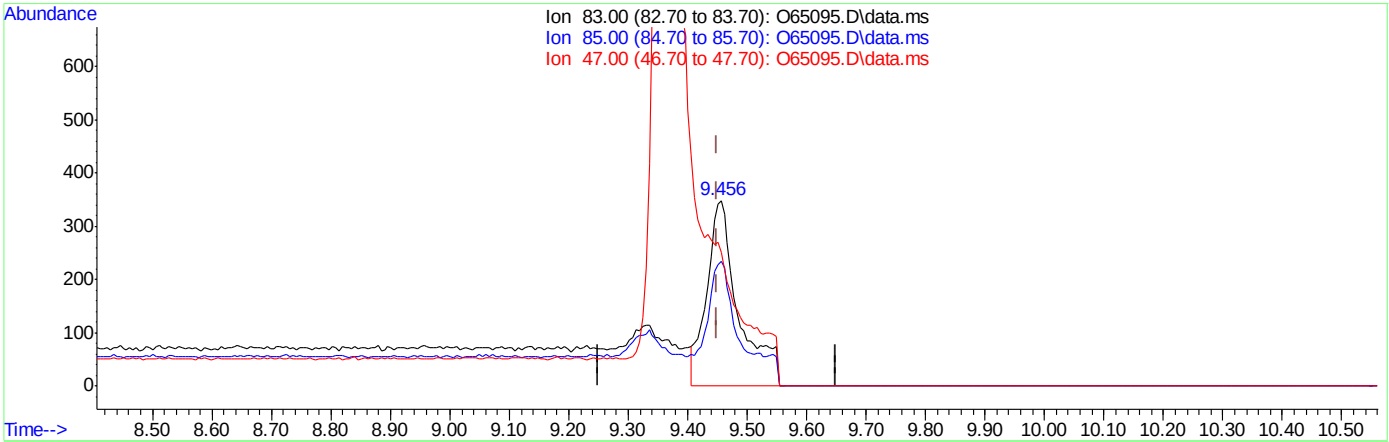
Sample Number: FA88620-9
Lab FileID: O65095.D
Injection Time: 09/10/21 19:41
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

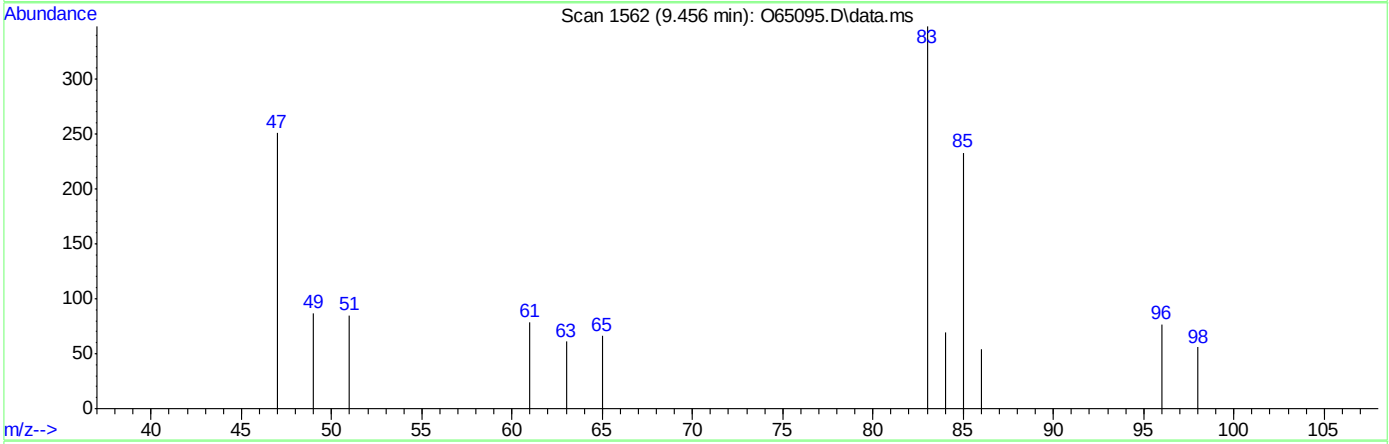
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:23:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65095.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.16ug/L

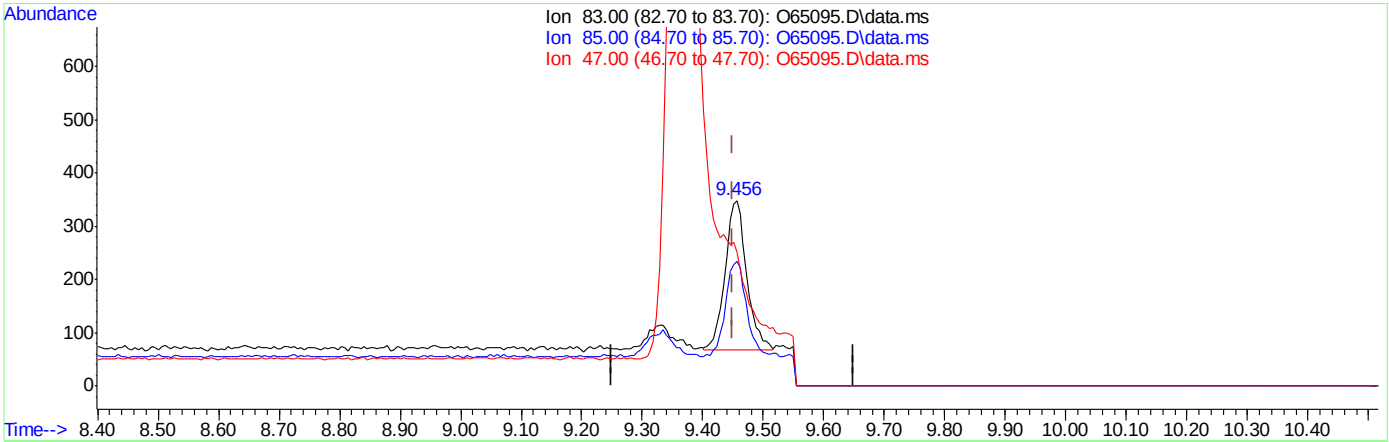
response 1311

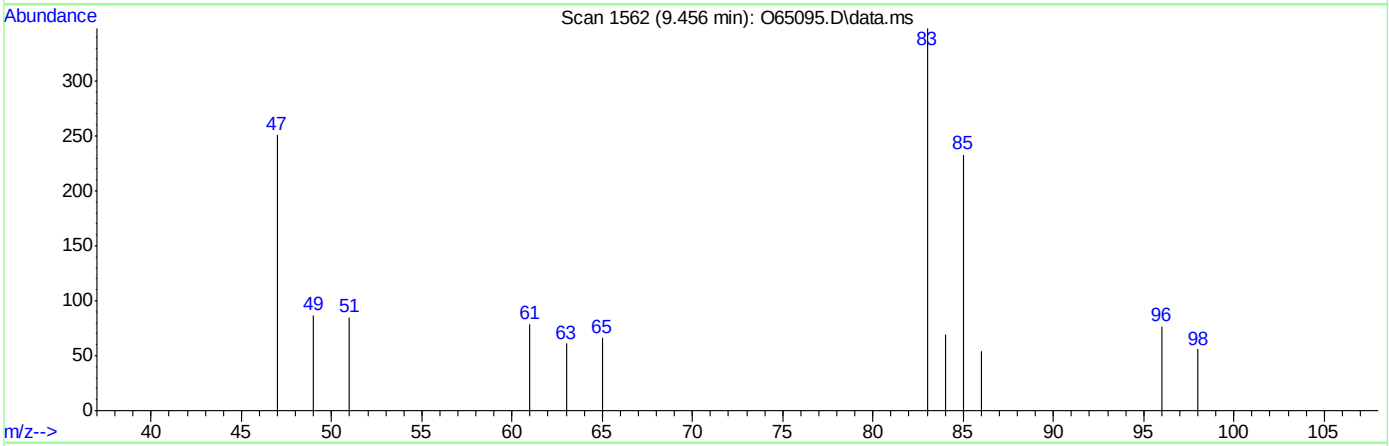
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.95
47.00	35.10	72.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:23:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65095.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.09ug/L m

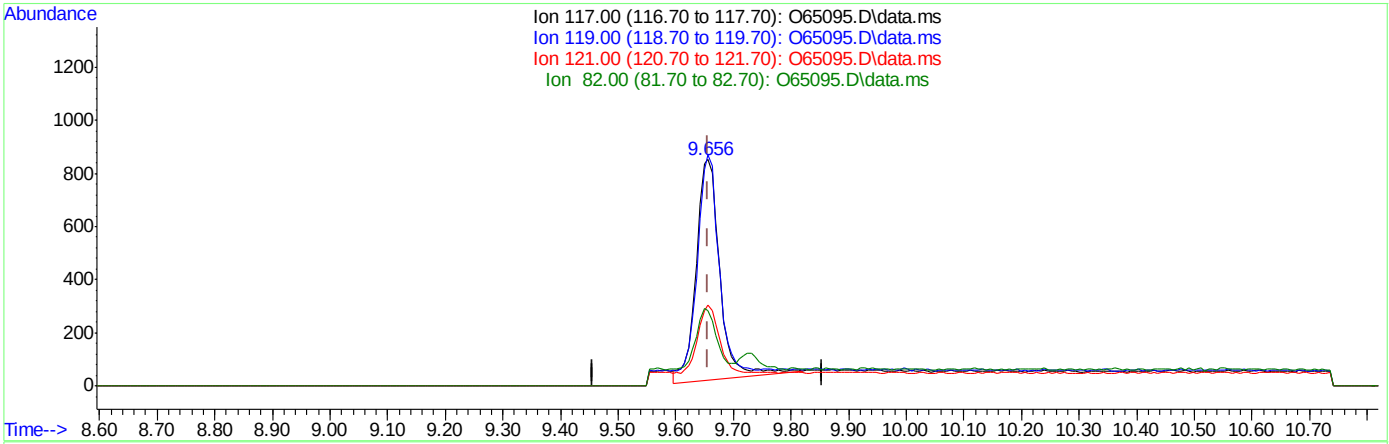
response 715

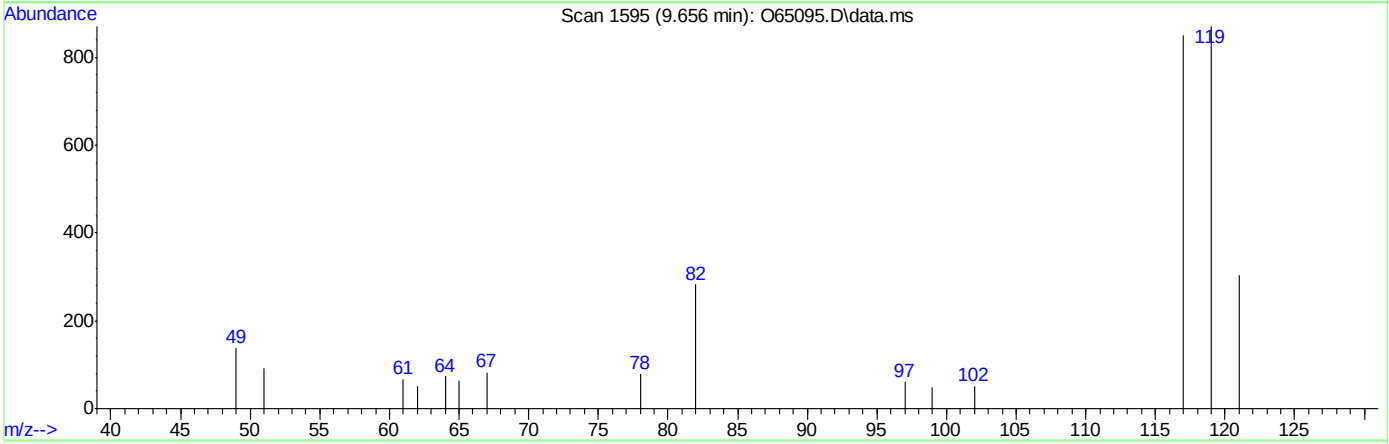
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.95
47.00	35.10	72.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:23:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65095.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.49ug/L

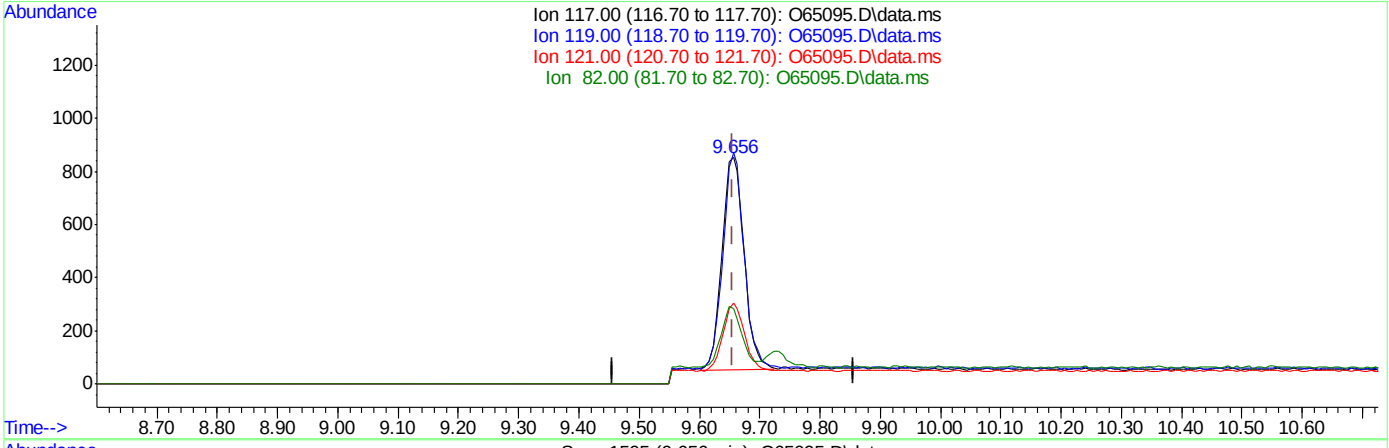
response 2362

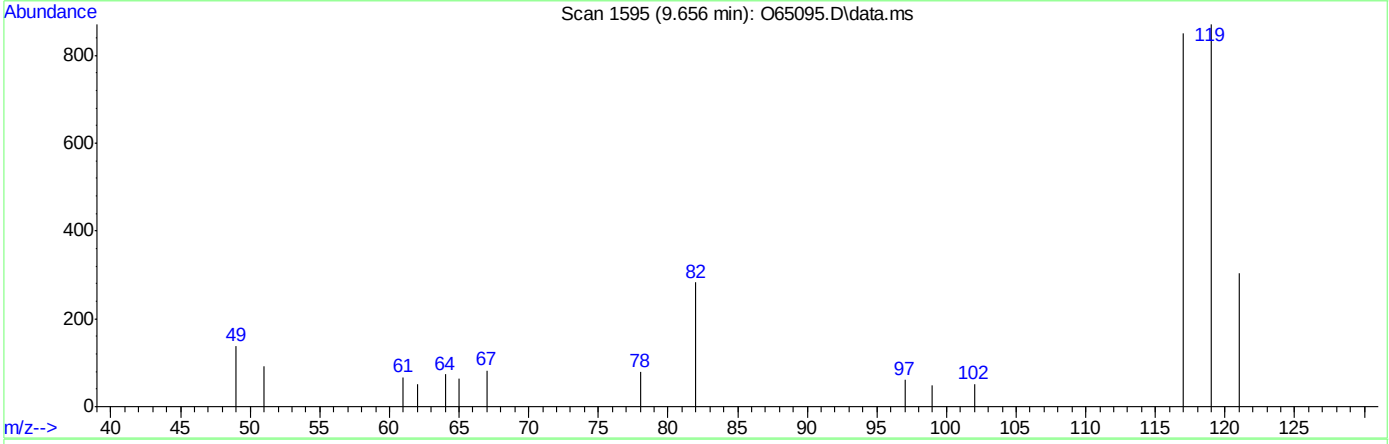
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	102.27
121.00	31.10	31.99
82.00	24.20	27.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65095.D
Acq On : 10 Sep 2021 7:41 pm
Operator : charleng
Sample : FA88620-9 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 09:23:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65095.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.43ug/L m

response 2056

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	102.35
121.00	31.10	35.61
82.00	24.20	33.25

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:34:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

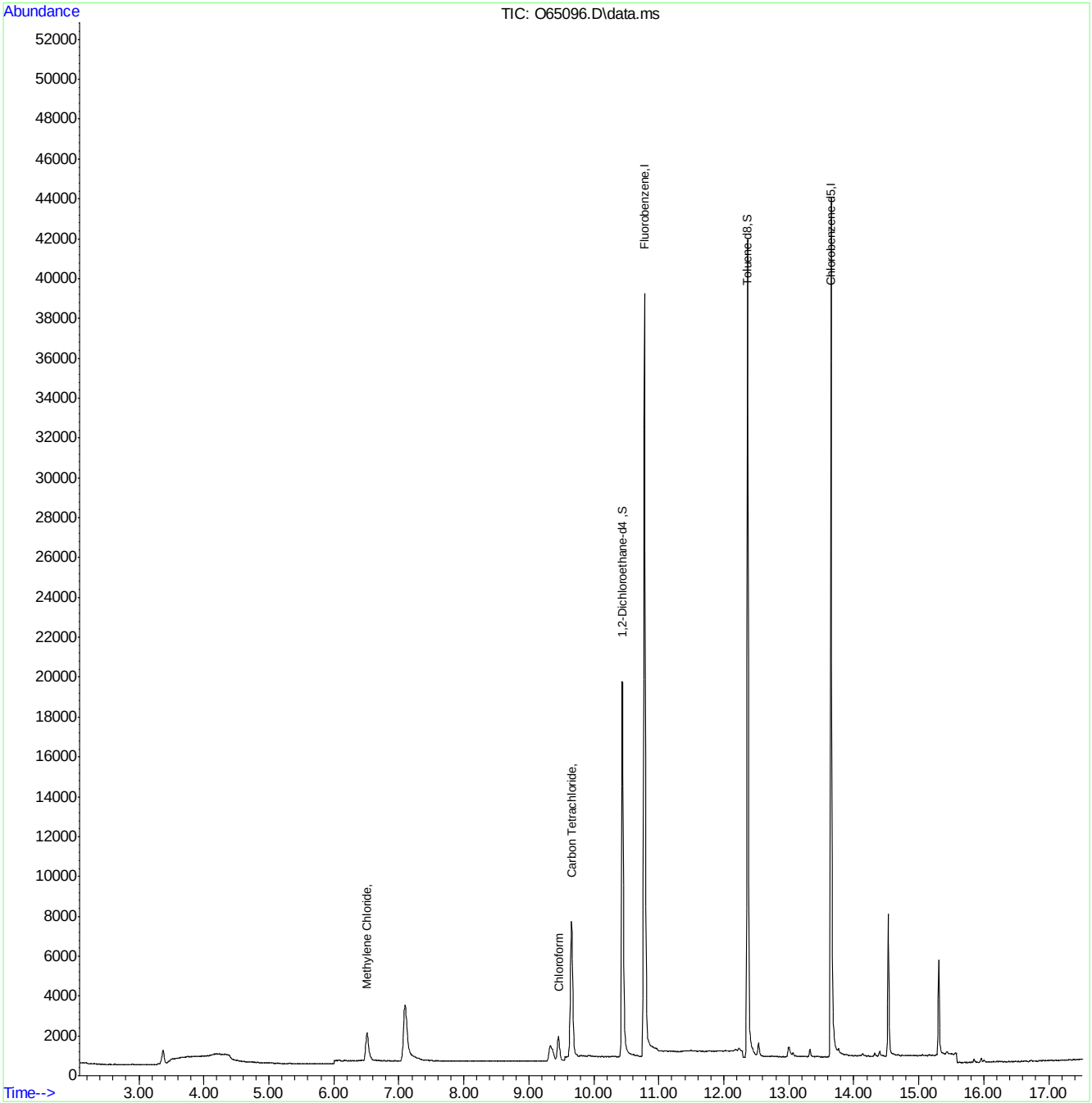
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	44737	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30595	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	18628	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	36491	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1787	0.19	ug/L	87
9) Chloroform	9.456	83	1337m	0.16	ug/L	
10) Carbon Tetrachloride	9.657	117	6317m	1.27	ug/L	

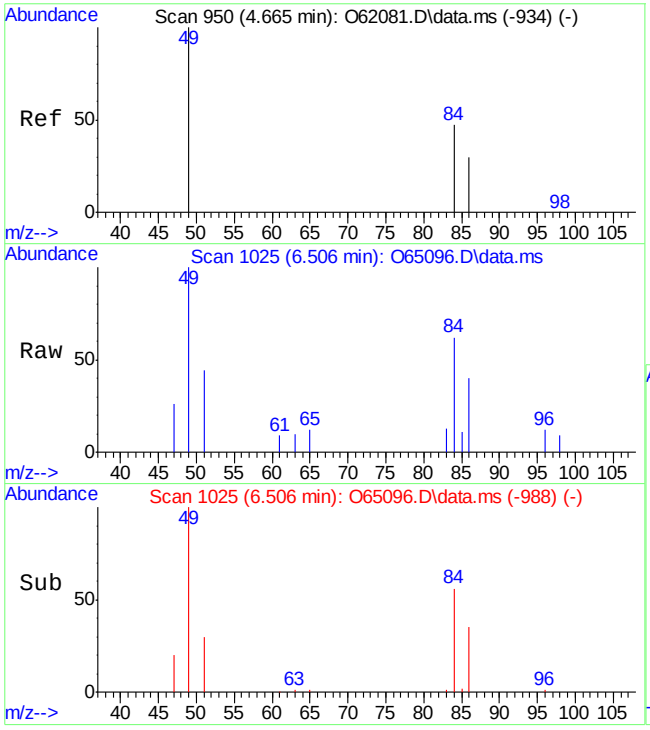
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:34:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

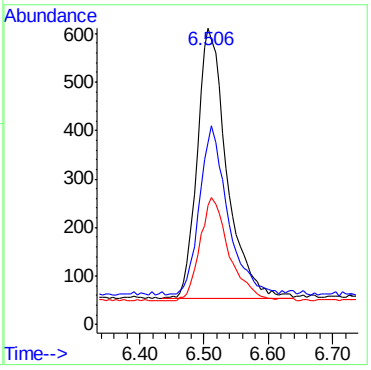


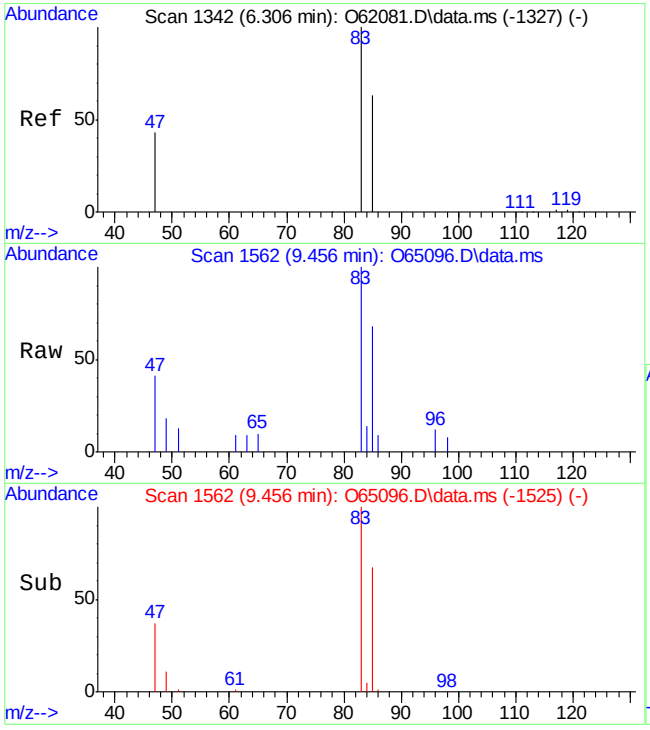


#5
Methylene Chloride
Concen: 0.19 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65096.D
Acq: 10 Sep 2021 8:04 pm

Tgt Ion: 49 Resp: 1787

Ion	Ratio	Lower	Upper
49	100		
84	55.2	35.5	95.5
86	35.1	12.8	72.8

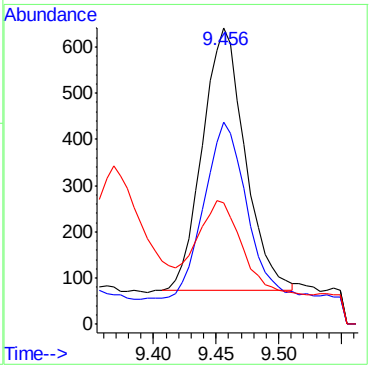


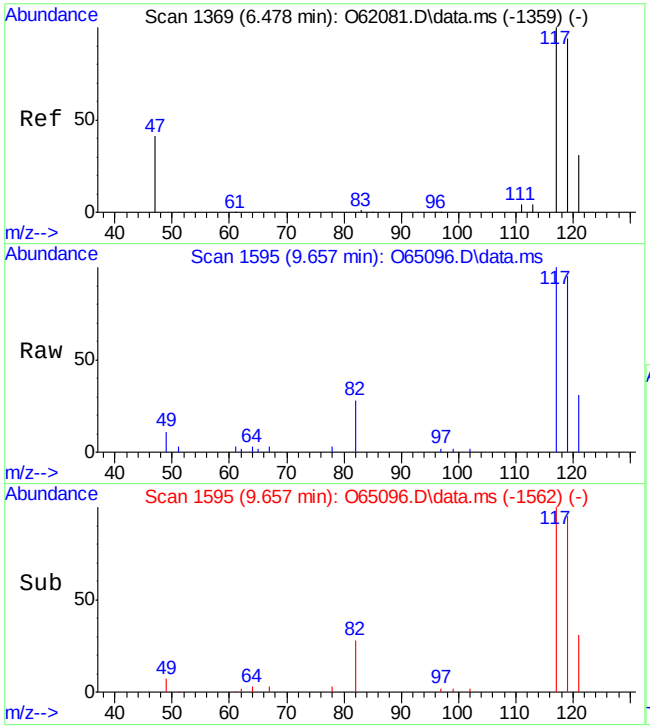


#9
Chloroform
Concen: 0.16 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65096.D
Acq: 10 Sep 2021 8:04 pm

Tgt Ion: 83 Resp: 1337

Ion	Ratio	Lower	Upper
83	100		
85	68.2	33.7	93.7
47	41.0	5.1	65.1

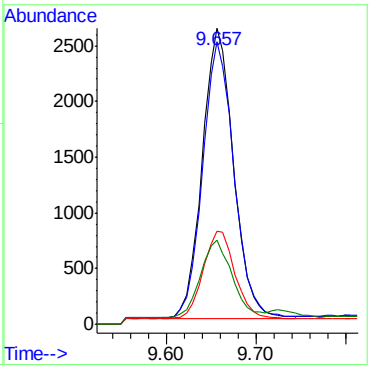




#10
Carbon Tetrachloride
Concen: 1.27 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65096.D
Acq: 10 Sep 2021 8:04 pm

Tgt Ion:117 Resp: 6317

Ion	Ratio	Lower	Upper
117	100		
119	95.5	68.2	128.2
121	31.4	1.1	61.1
82	28.5	0.0	54.2



Manual Integration Approval Summary

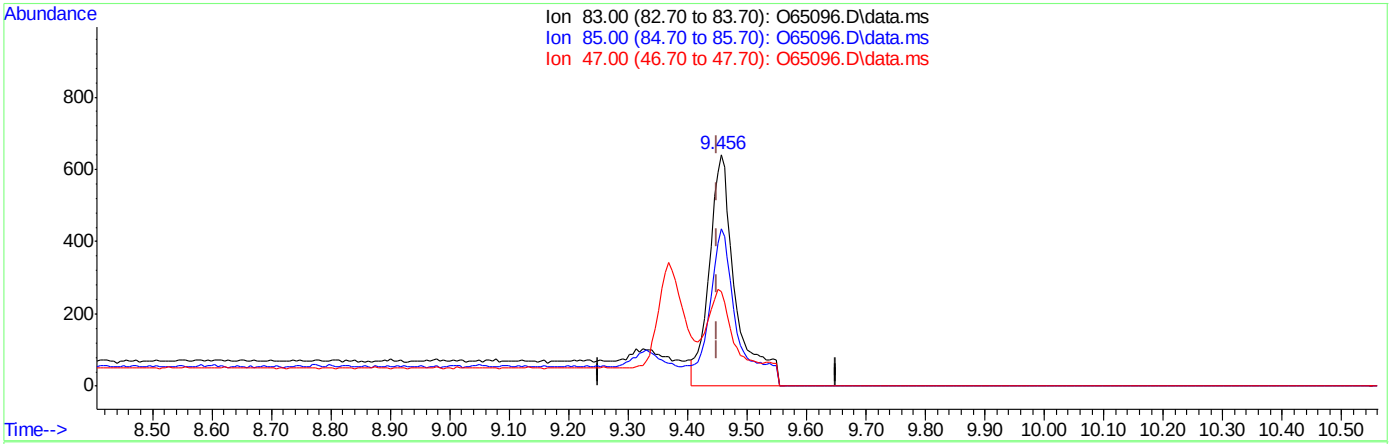
Sample Number: FA88620-10
Lab FileID: O65096.D
Injection Time: 09/10/21 20:04
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

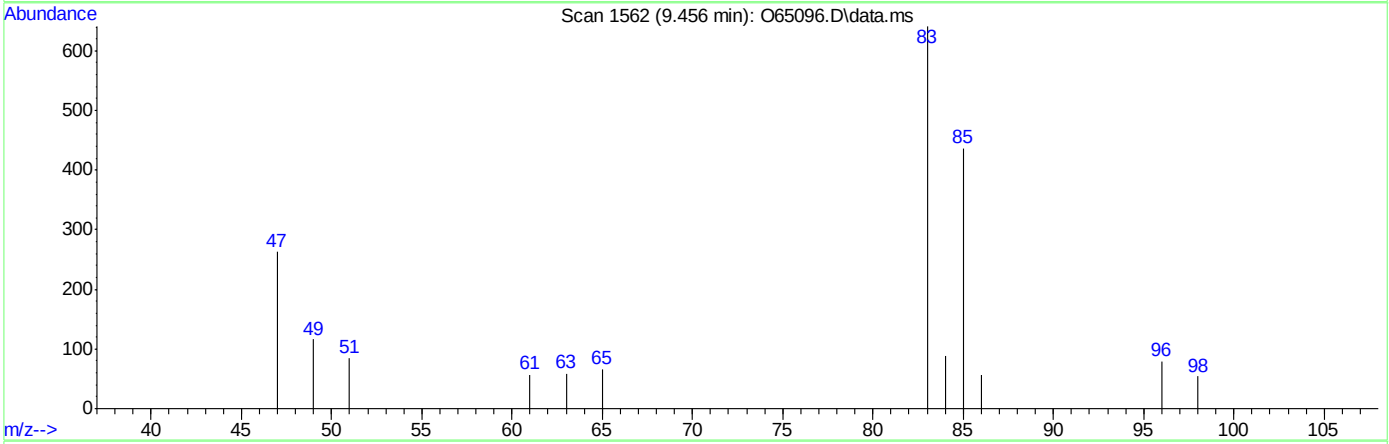
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:23:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65096.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.23ug/L

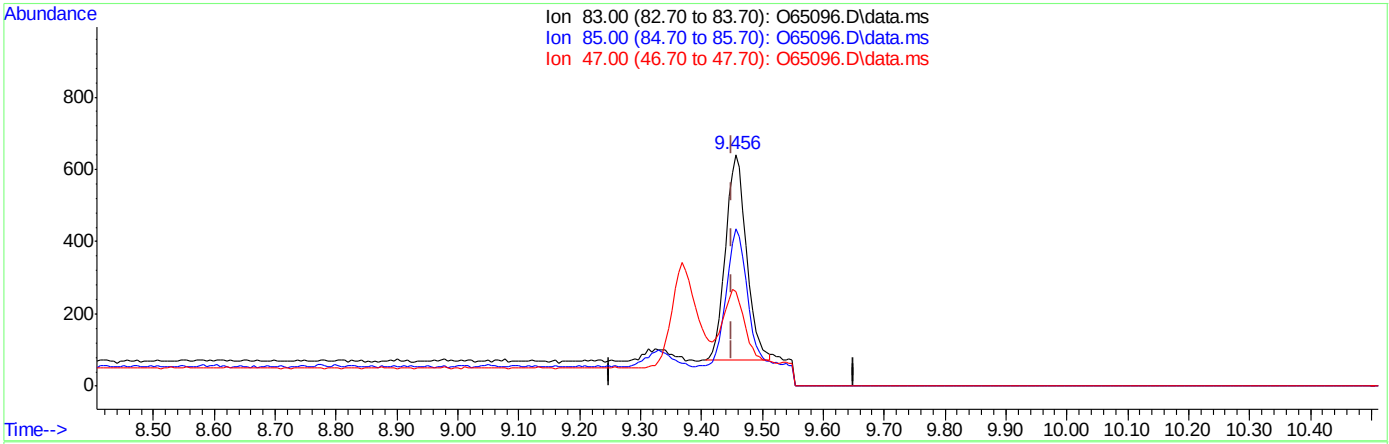
response 1992

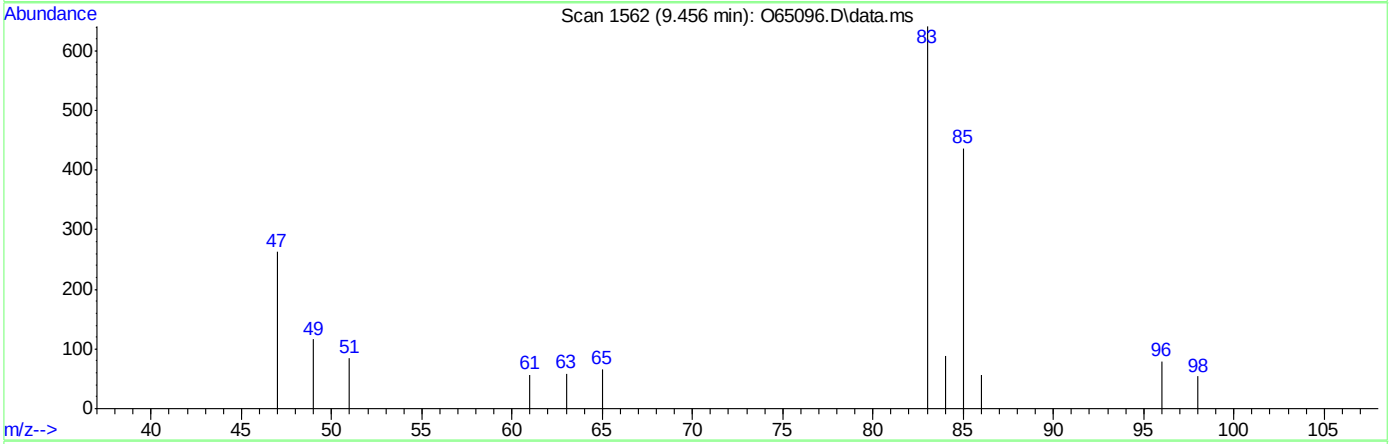
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.17
47.00	35.10	41.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:23:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65096.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.16ug/L m

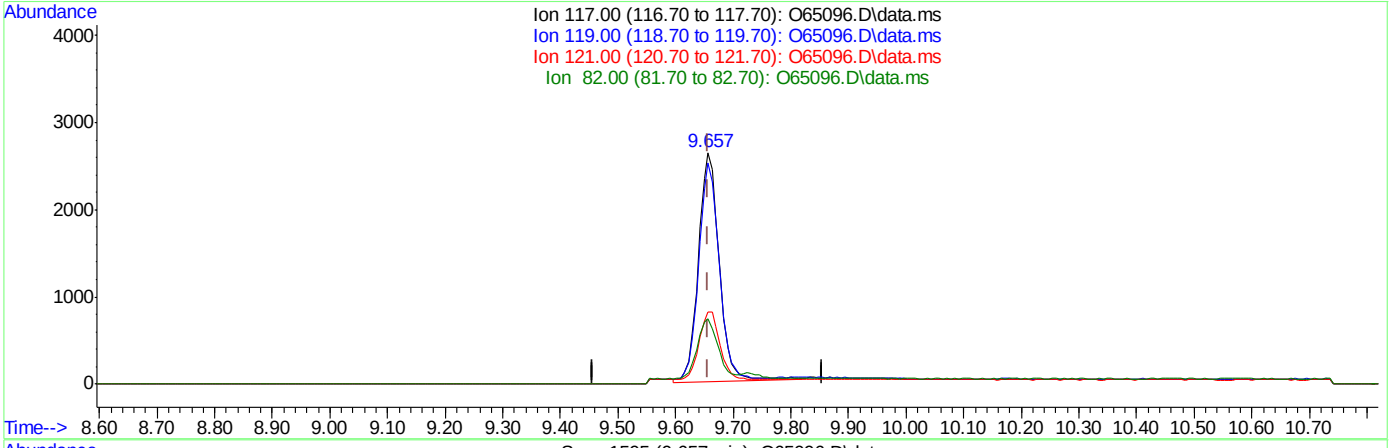
response 1337

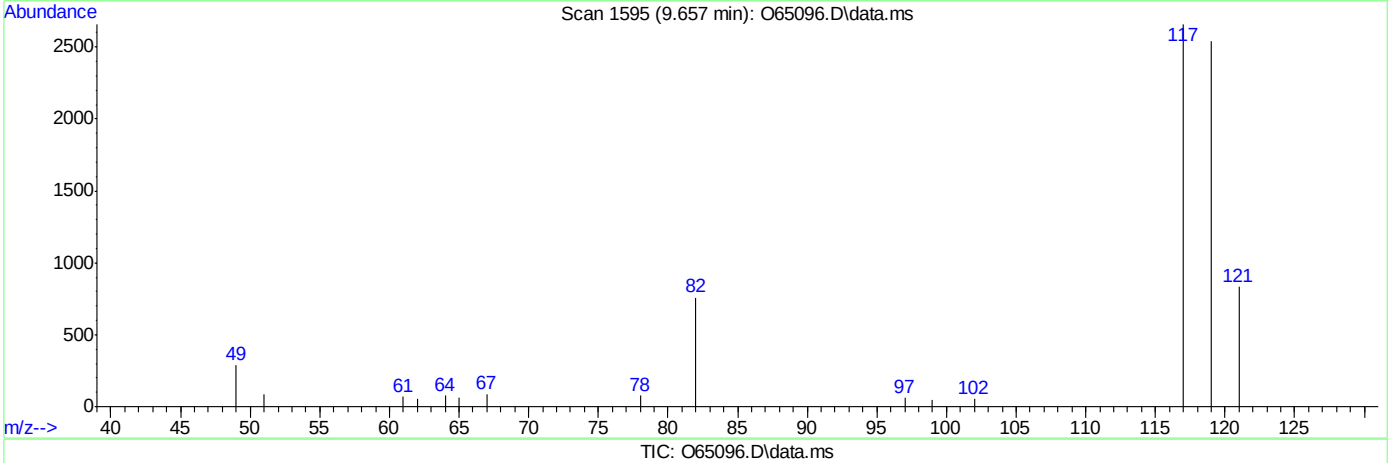
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.17
47.00	35.10	41.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:23:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65096.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 1.33ug/L

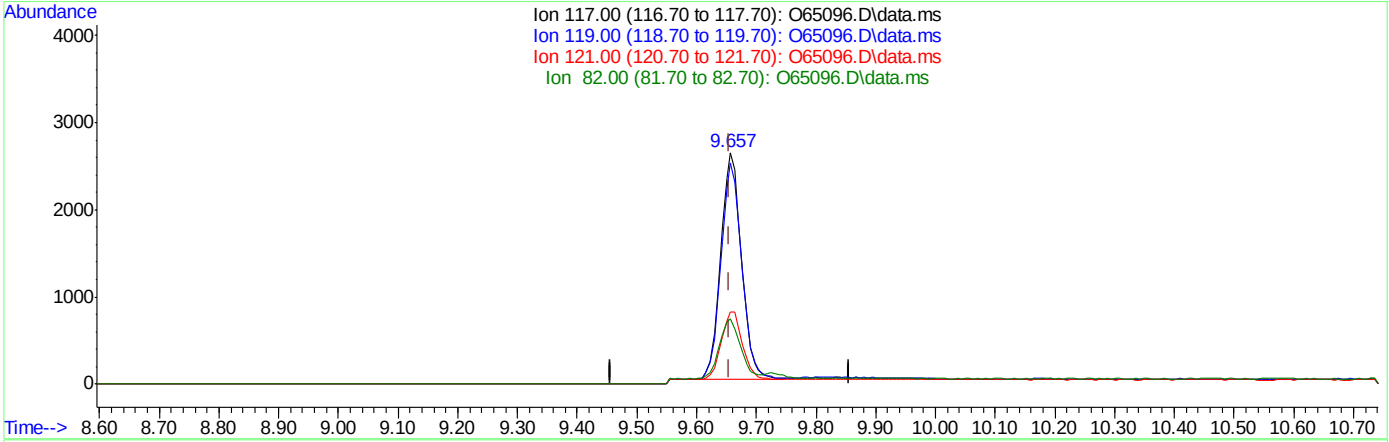
response 6647

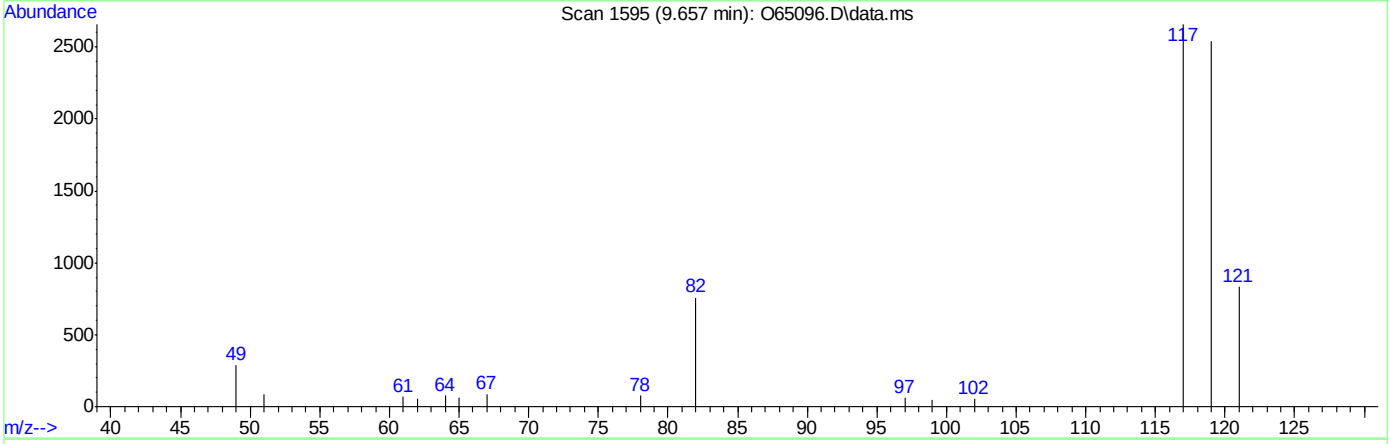
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.27
121.00	31.10	30.12
82.00	24.20	26.69

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65096.D
Acq On : 10 Sep 2021 8:04 pm
Operator : charleng
Sample : FA88620-10 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 09:23:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65096.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 1.27ug/L m

response 6317

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.48
121.00	31.10	31.35
82.00	24.20	28.45

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:35:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

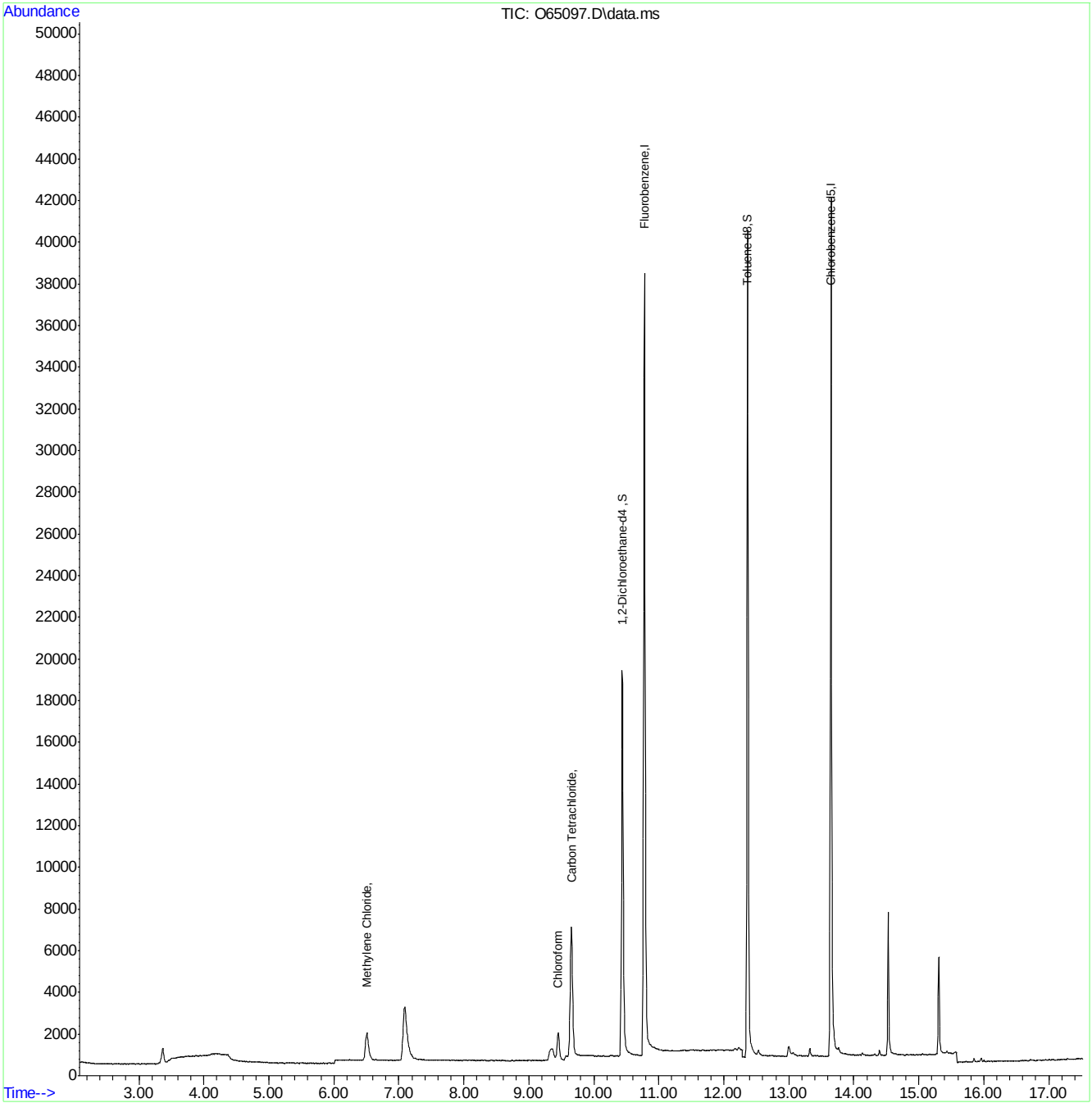
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43466	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29627	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18156	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	35206	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1793	0.20	ug/L	93
9) Chloroform	9.450	83	1471m	0.18	ug/L	
10) Carbon Tetrachloride	9.656	117	5770m	1.19	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

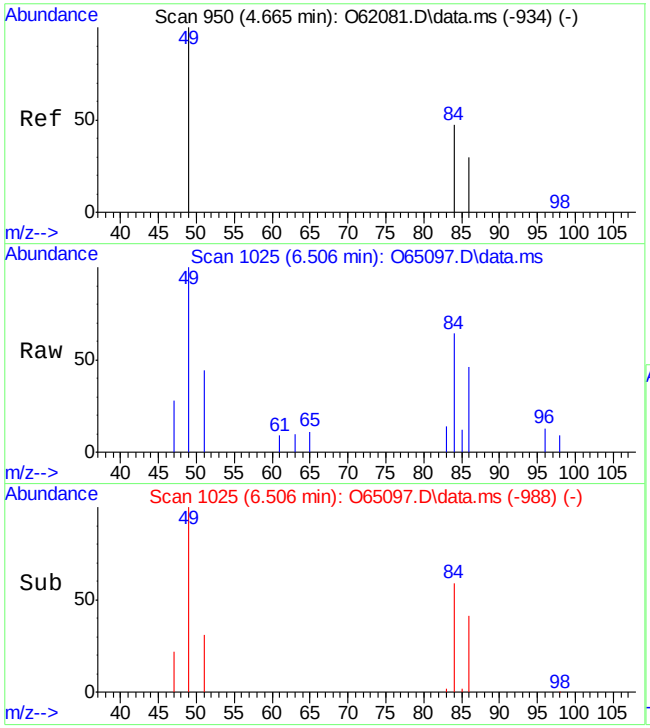
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:35:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



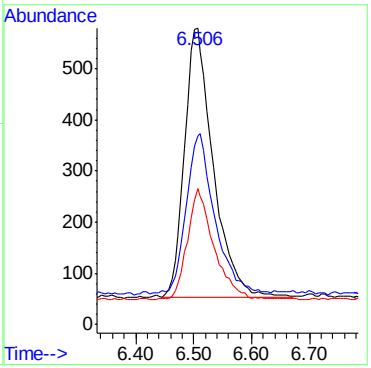
SIMCL-09-10-2021.M Sat Sep 11 09:47:13 2021 Page: 2

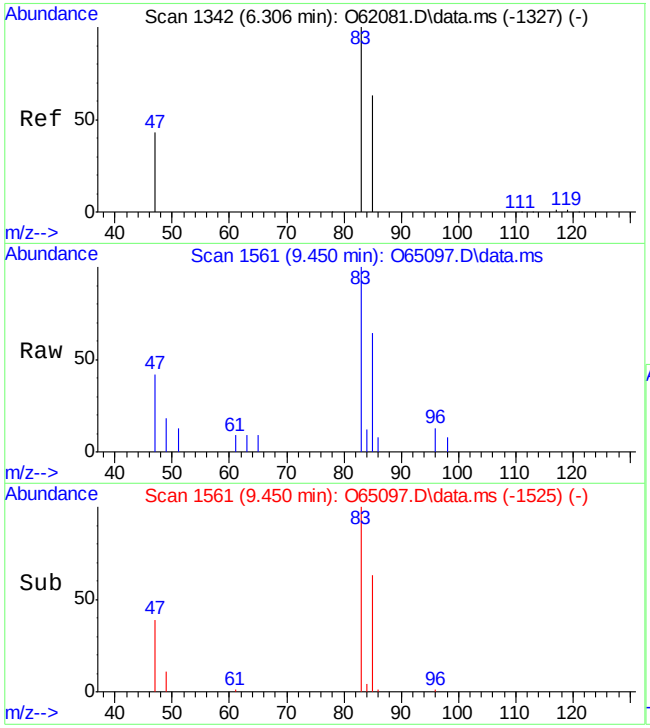


#5
Methylene Chloride
Concen: 0.20 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65097.D
Acq: 10 Sep 2021 8:27 pm

Tgt Ion: 49 Resp: 1793

Ion	Ratio	Lower	Upper
49	100		
84	57.7	35.5	95.5
86	41.1	12.8	72.8

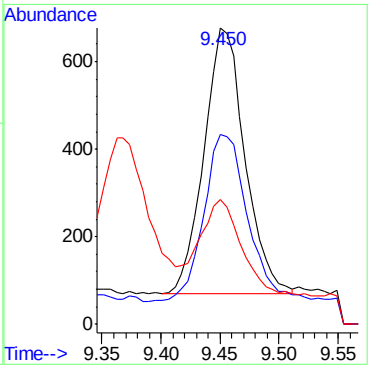


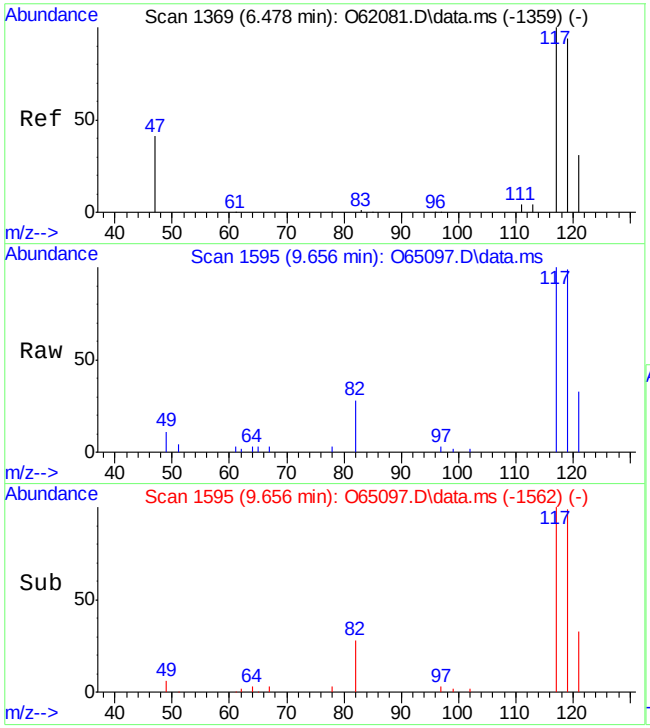


#9
Chloroform
Concen: 0.18 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65097.D
Acq: 10 Sep 2021 8:27 pm

Tgt Ion: 83 Resp: 1471

Ion	Ratio	Lower	Upper
83	100		
85	64.1	33.7	93.7
47	42.2	5.1	65.1

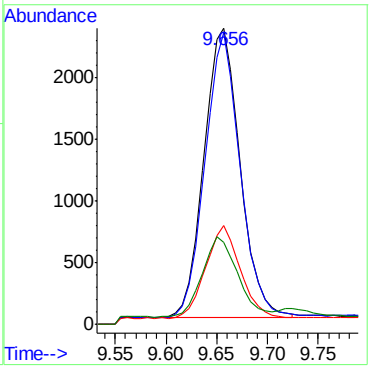




#10
Carbon Tetrachloride
Concen: 1.19 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65097.D
Acq: 10 Sep 2021 8:27 pm

Tgt Ion:117 Resp: 5770

Ion	Ratio	Lower	Upper
117	100		
119	98.5	68.2	128.2
121	33.3	1.1	61.1
82	27.6	0.0	54.2



Manual Integration Approval Summary

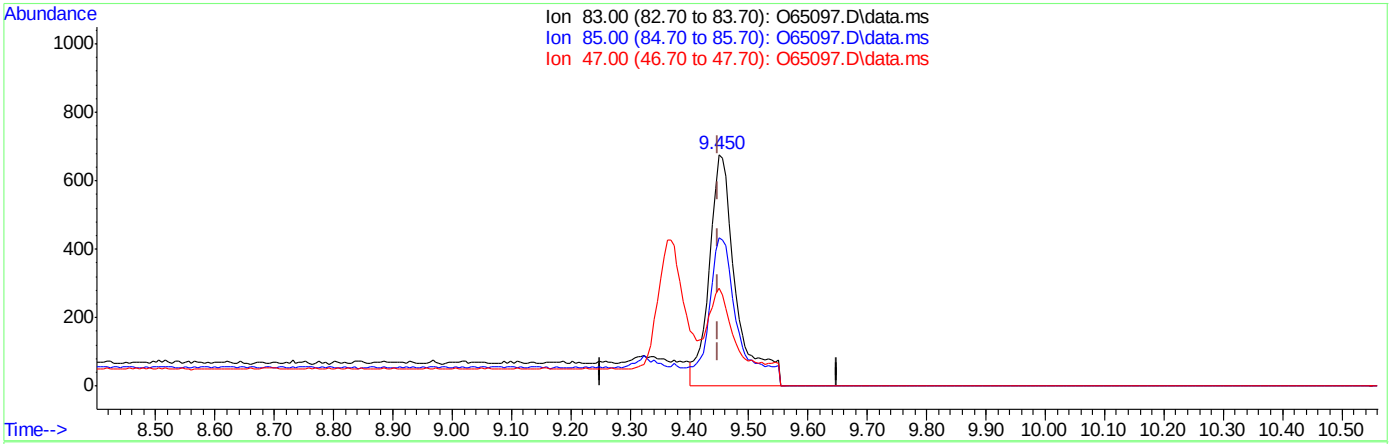
Sample Number: FA88620-11
Lab FileID: O65097.D
Injection Time: 09/10/21 20:27
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

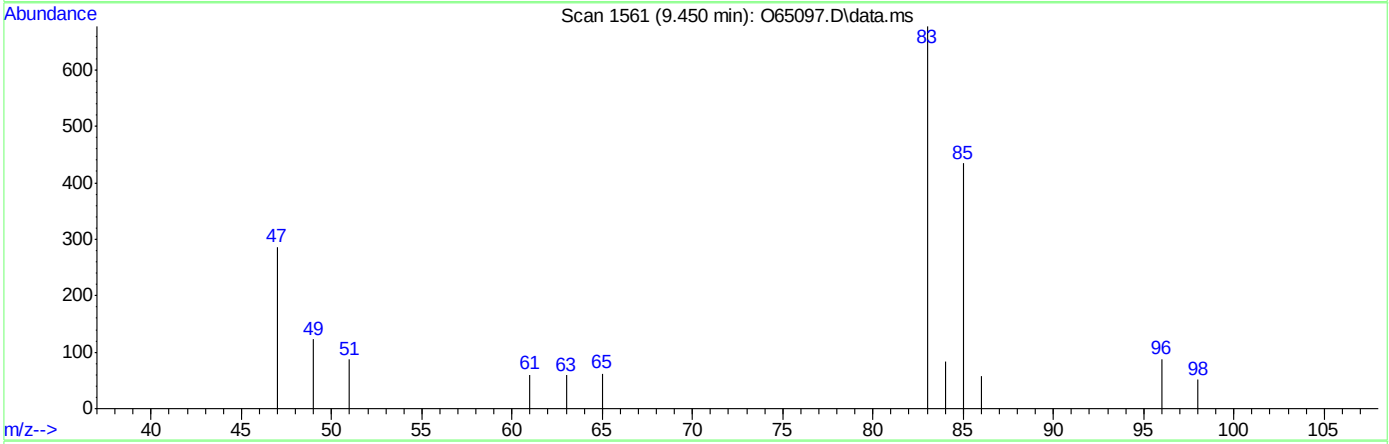
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:23:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65097.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.25ug/L

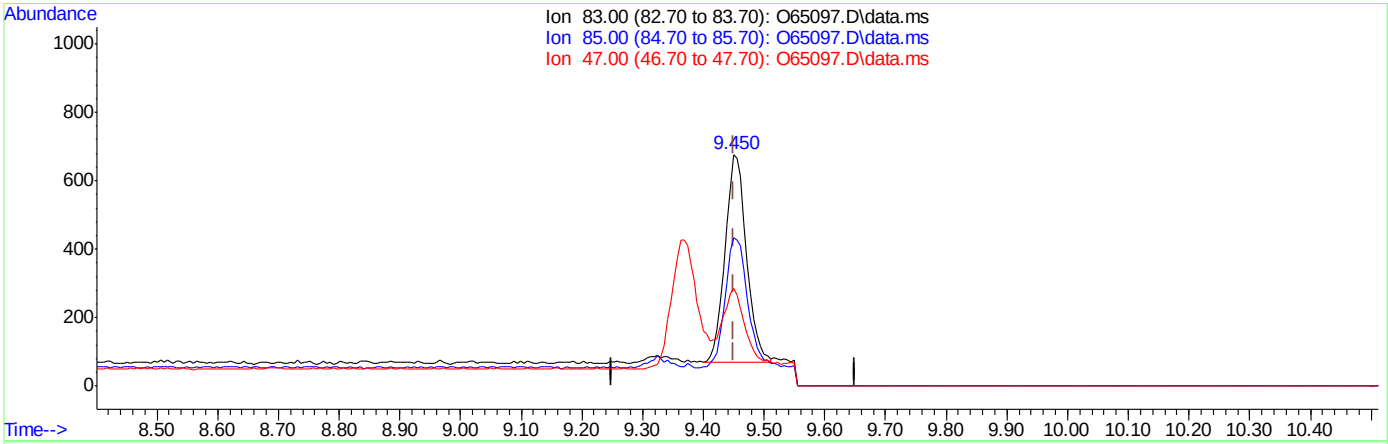
response 2122

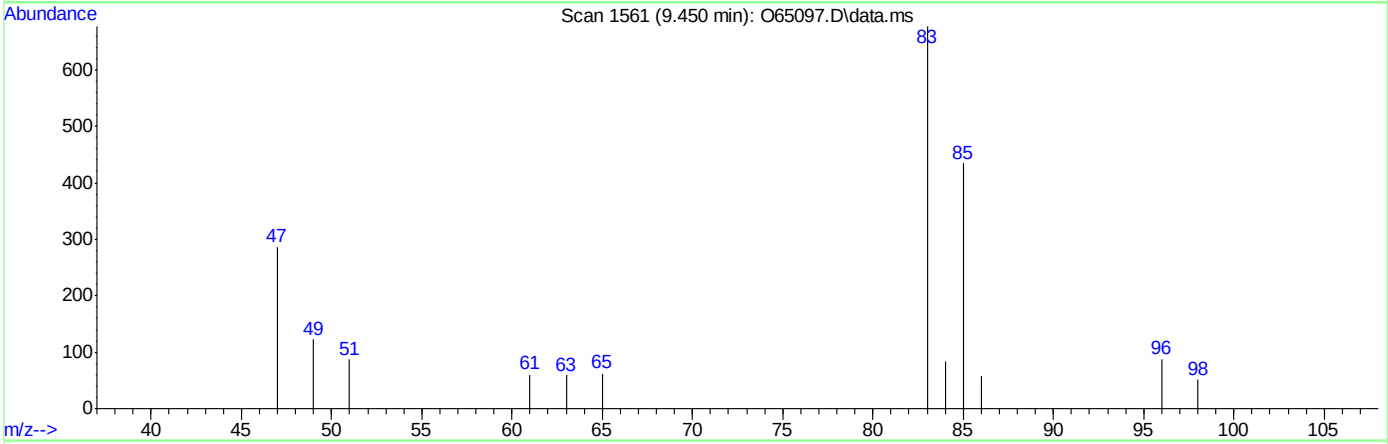
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.11
47.00	35.10	42.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:23:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65097.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.18ug/L m

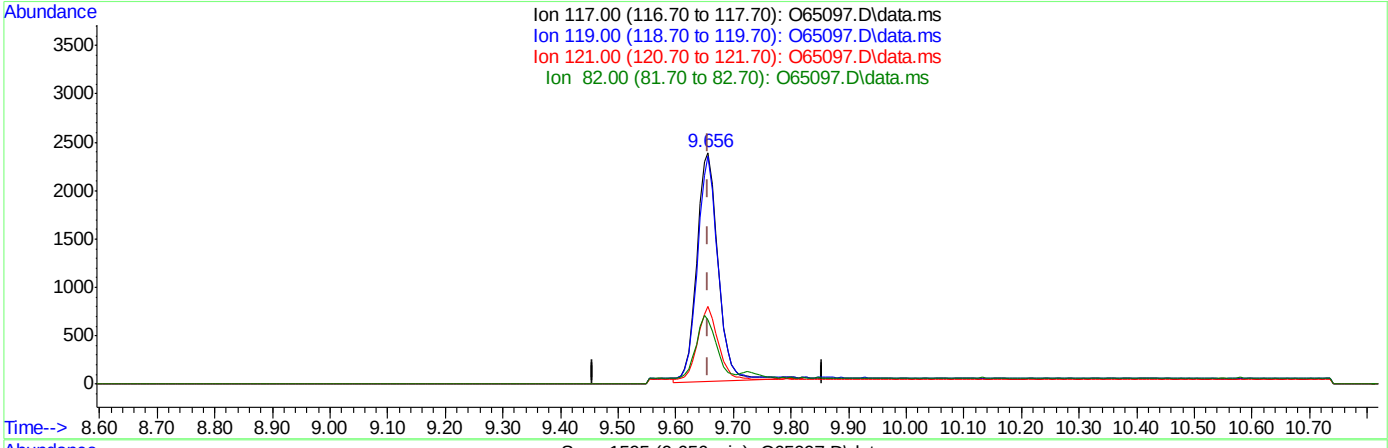
response 1471

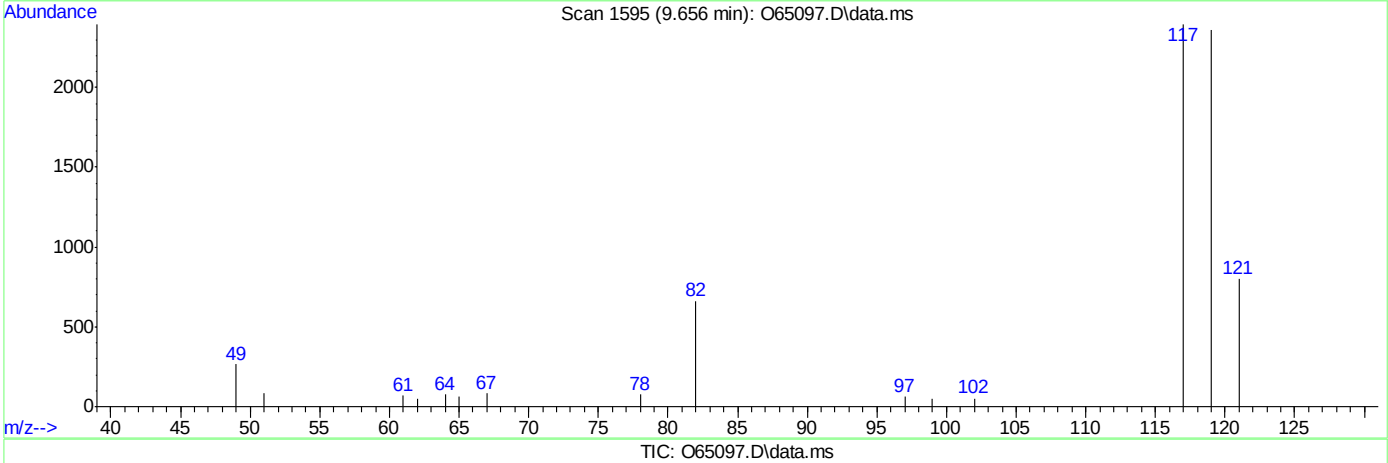
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.11
47.00	35.10	42.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:23:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65097.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.26ug/L

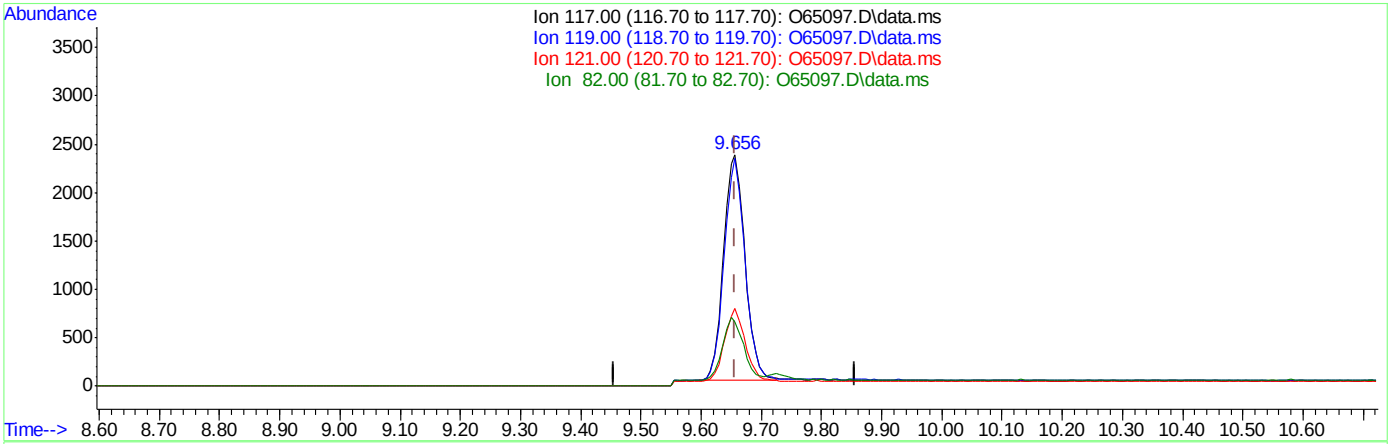
response 6134

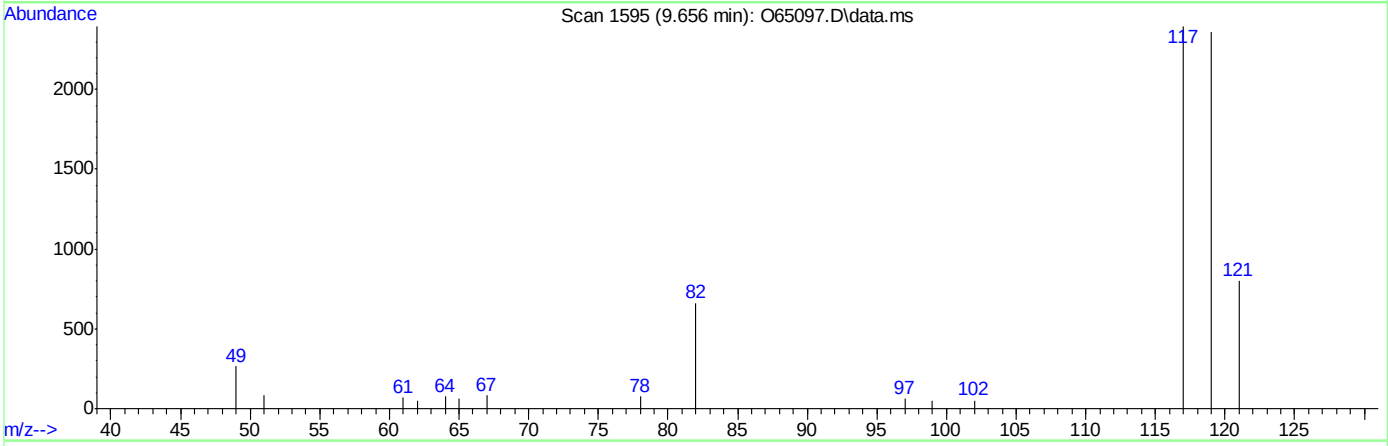
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.46
121.00	31.10	31.91
82.00	24.20	25.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65097.D
Acq On : 10 Sep 2021 8:27 pm
Operator : charleng
Sample : FA88620-11 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 09:23:59 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65097.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.19ug/L m

response 5770

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.54
121.00	31.10	33.32
82.00	24.20	27.64

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:35:23 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

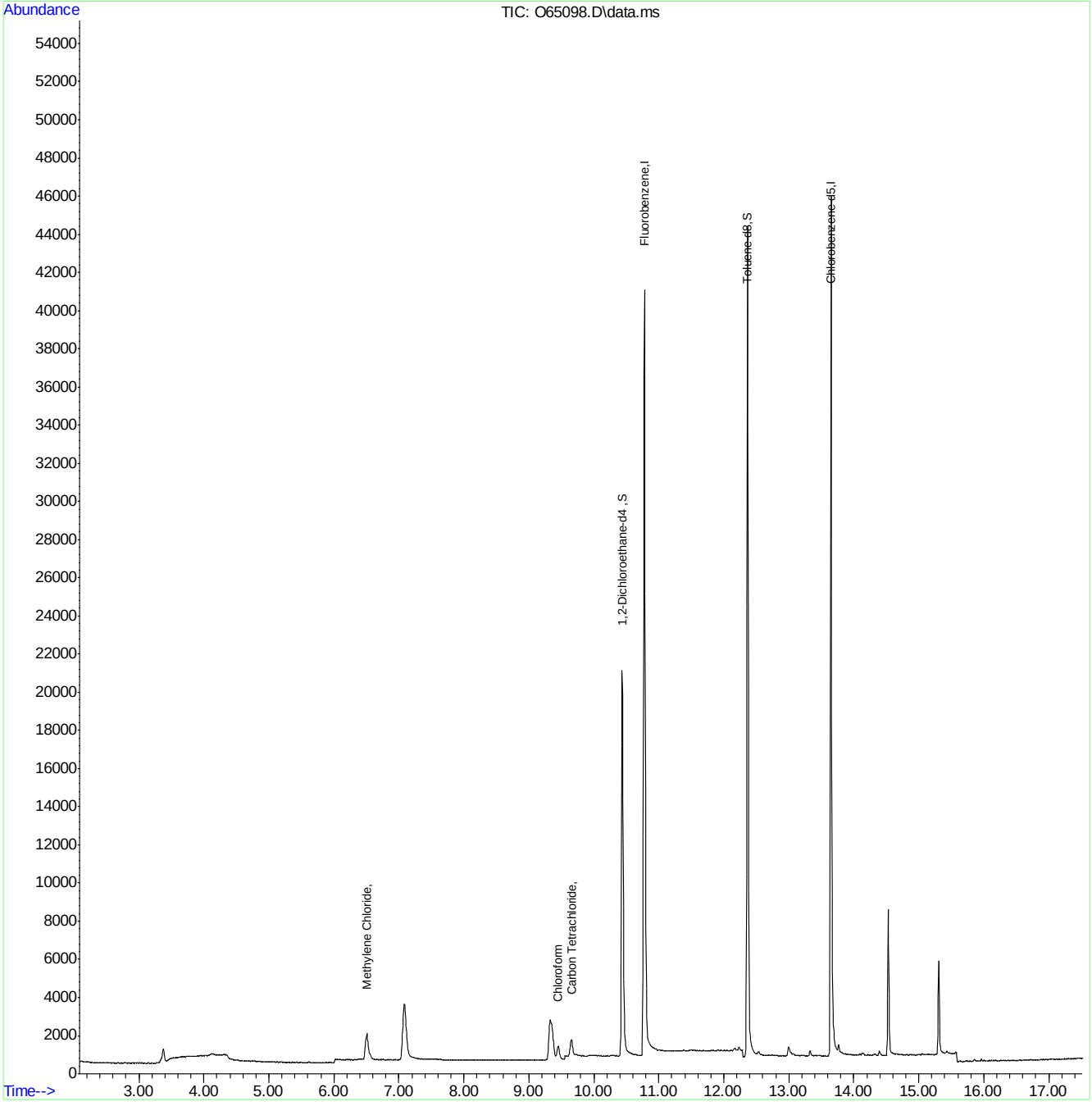
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47138	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32676	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19624	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	38703	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	1793	0.18	ug/L	92
9) Chloroform	9.451	83	762m	0.08	ug/L	
10) Carbon Tetrachloride	9.657	117	816m	0.16	ug/L	

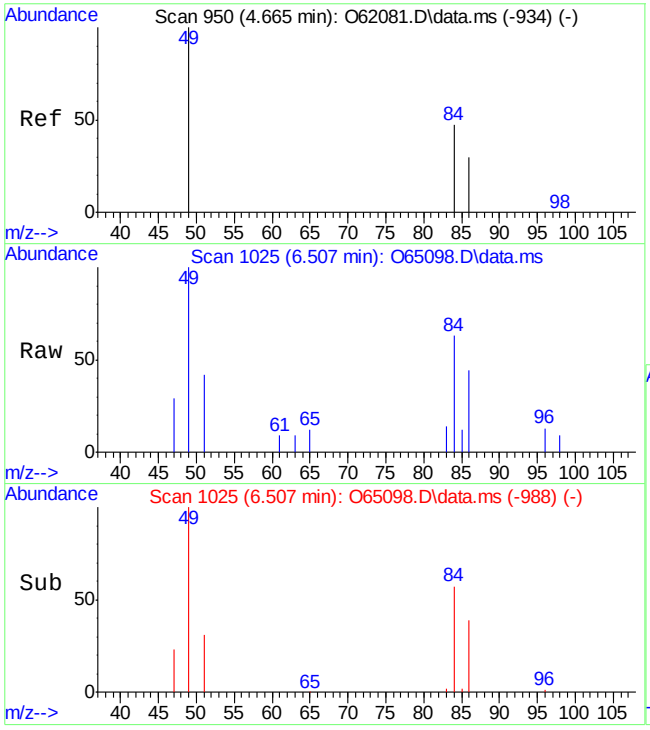
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:35:23 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

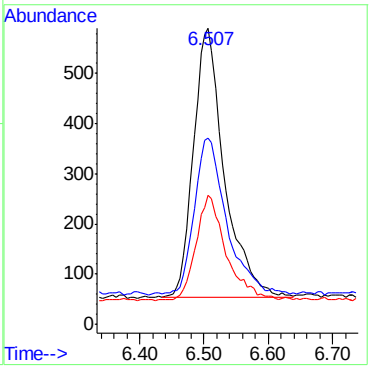


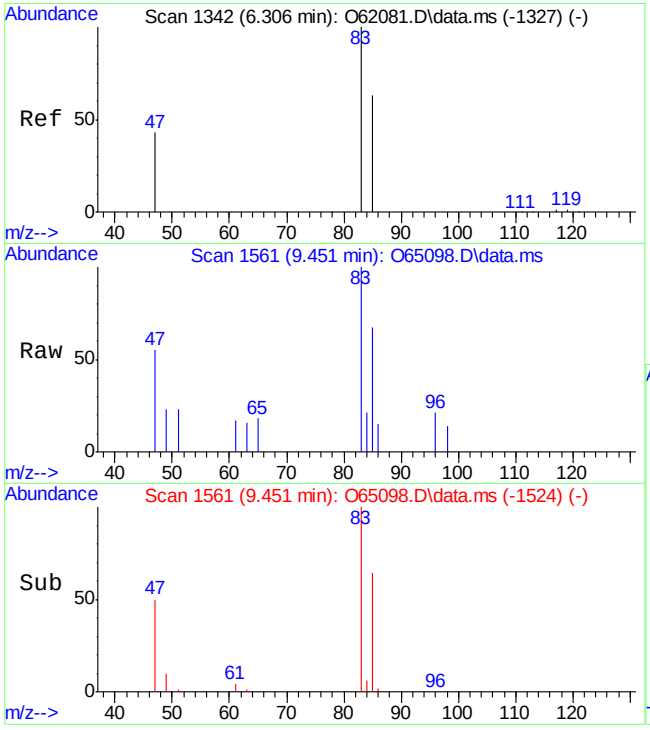


#5
Methylene Chloride
Concen: 0.18 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. 0.006 min
Lab File: O65098.D
Acq: 10 Sep 2021 8:50 pm

Tgt Ion: 49 Resp: 1793

Ion	Ratio	Lower	Upper
49	100		
84	57.9	35.5	95.5
86	38.7	12.8	72.8

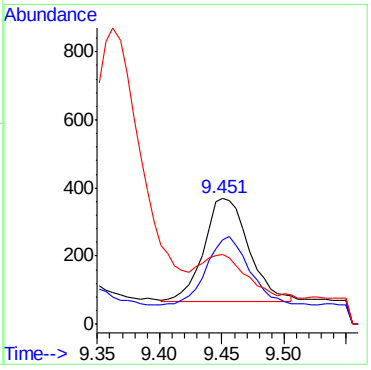


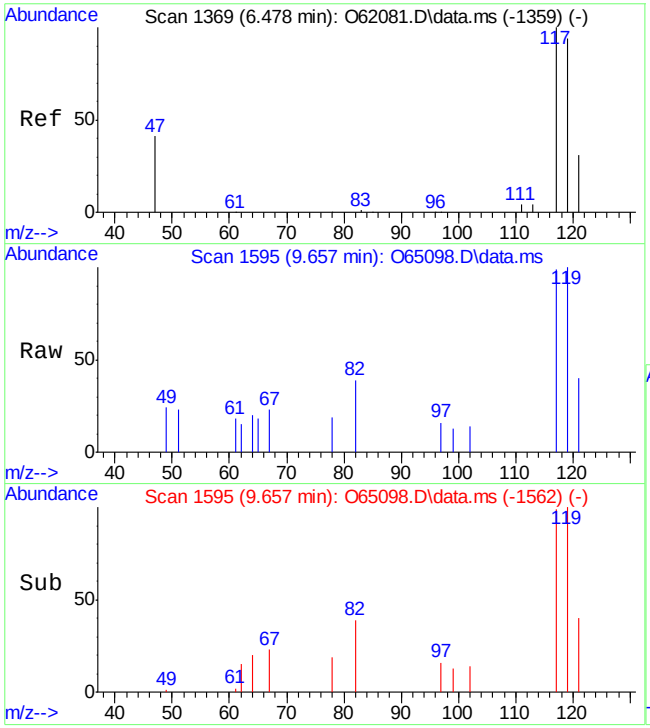


#9
Chloroform
Concen: 0.08 ug/L m
RT: 9.451 min Scan# 1561
Delta R.T. 0.001 min
Lab File: O65098.D
Acq: 10 Sep 2021 8:50 pm

Tgt Ion: 83 Resp: 762

Ion	Ratio	Lower	Upper
83	100		
85	66.8	33.7	93.7
47	55.3	5.1	65.1

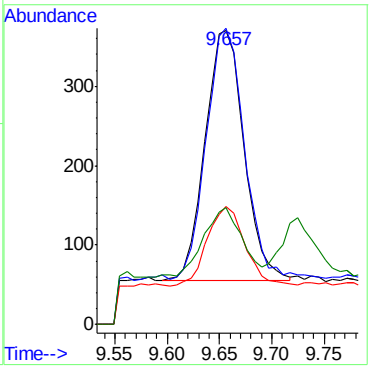




#10
Carbon Tetrachloride
Concen: 0.16 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65098.D
Acq: 10 Sep 2021 8:50 pm

Tgt Ion:117 Resp: 816

Ion	Ratio	Lower	Upper
117	100		
119	100.8	68.2	128.2
121	40.0	1.1	61.1
82	39.7	0.0	54.2



Manual Integration Approval Summary

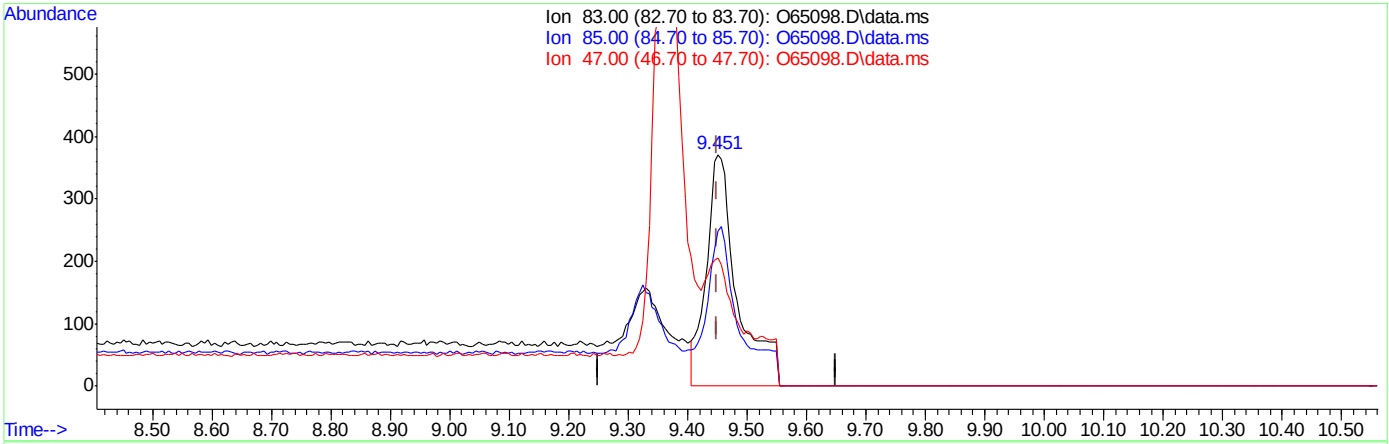
Sample Number: FA88620-12
Lab FileID: O65098.D
Injection Time: 09/10/21 20:50
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

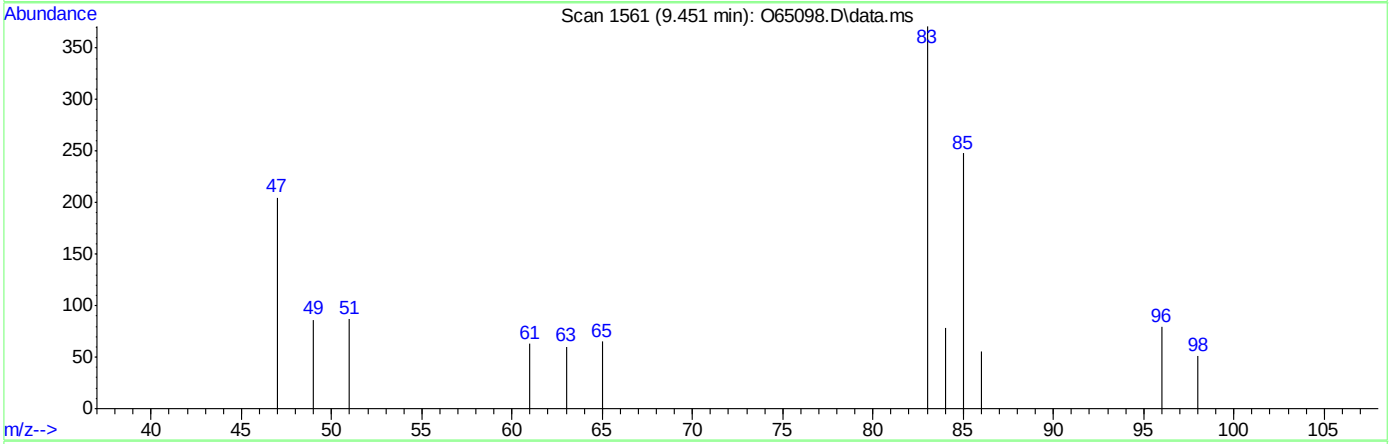
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:24:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65098.D\data.ms

(9) Chloroform

9.451min (+0.001) 0.15ug/L

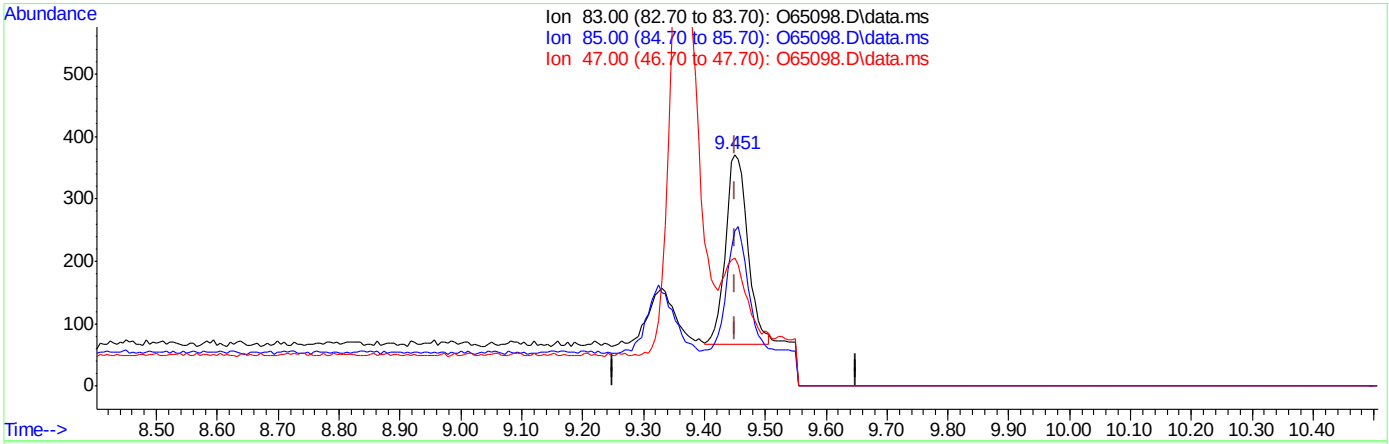
response 1359

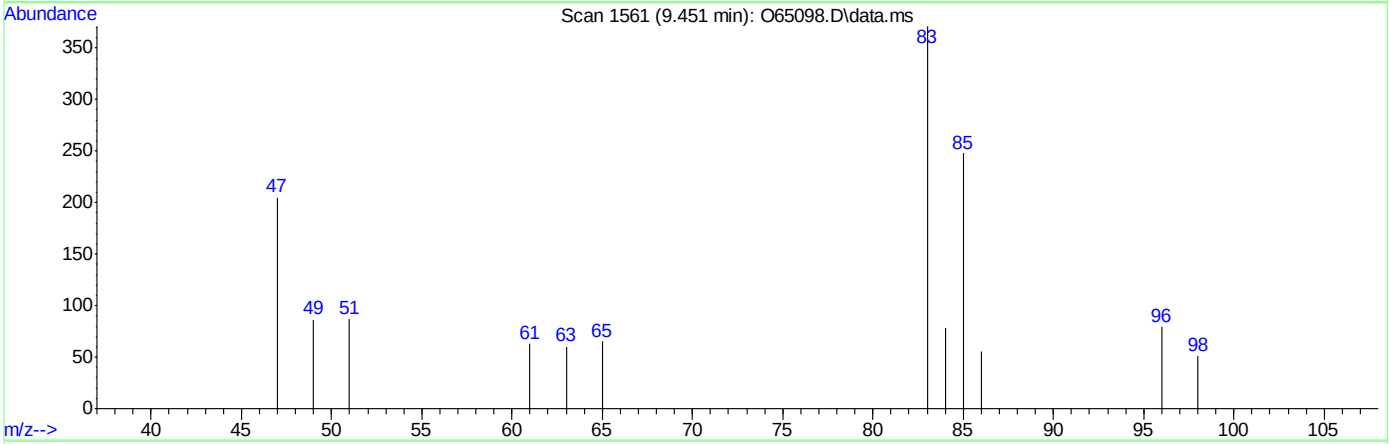
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.85
47.00	35.10	55.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:24:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65098.D\data.ms

(9) Chloroform

9.451min (+0.001) 0.08ug/L m

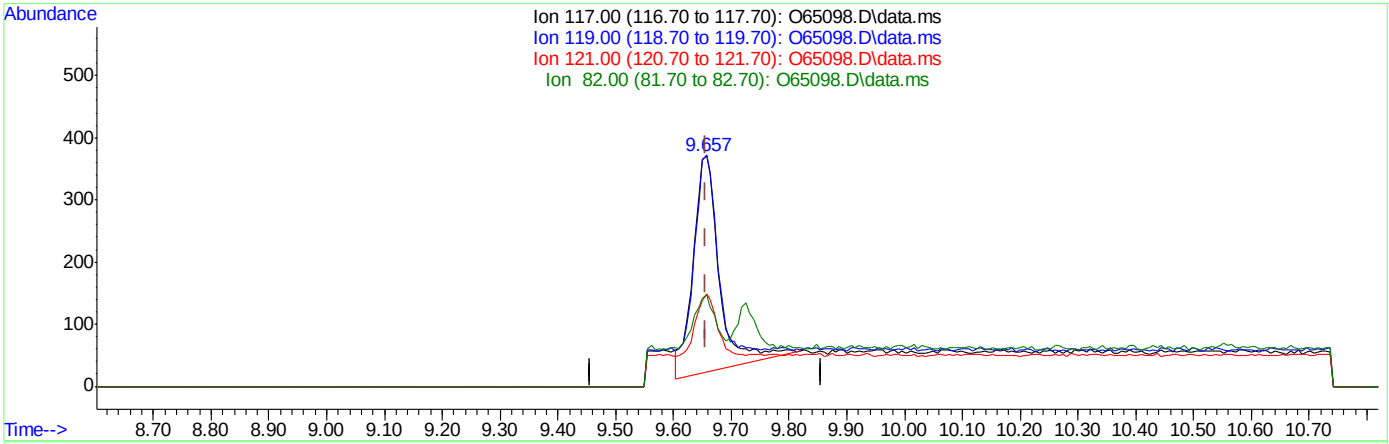
response 762

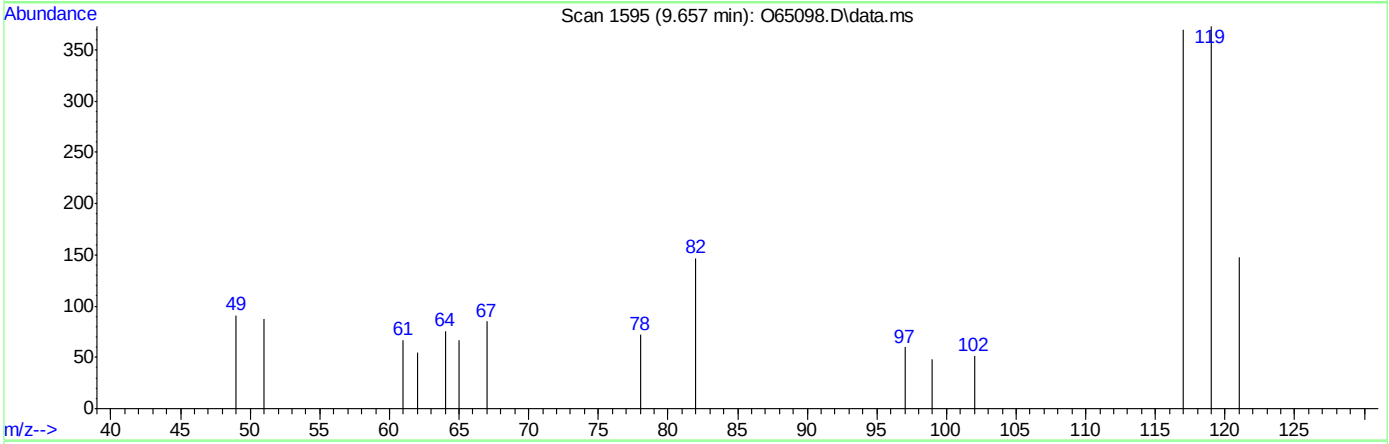
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.85
47.00	35.10	55.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:24:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65098.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.21ug/L

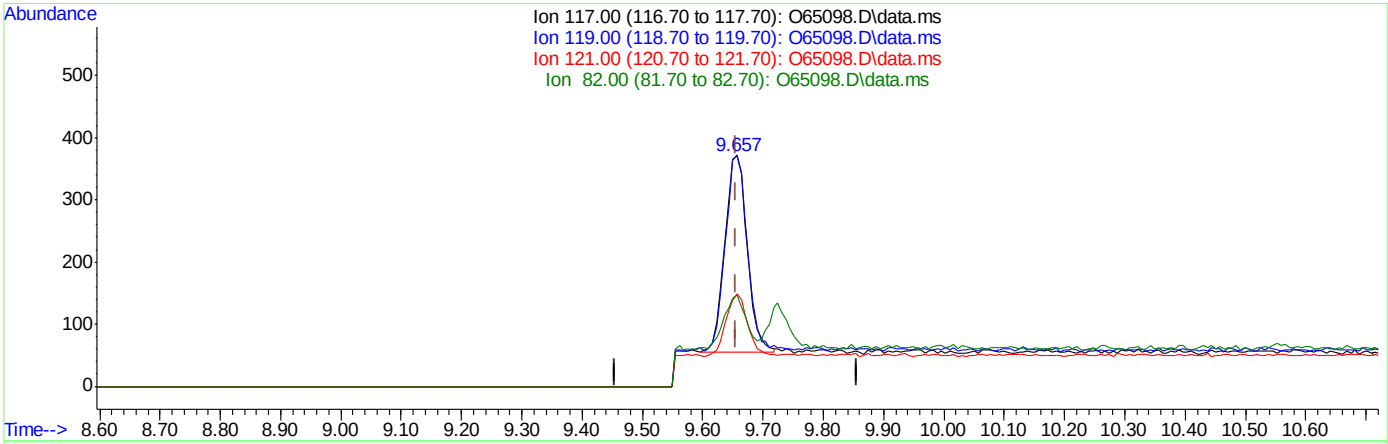
response 1103

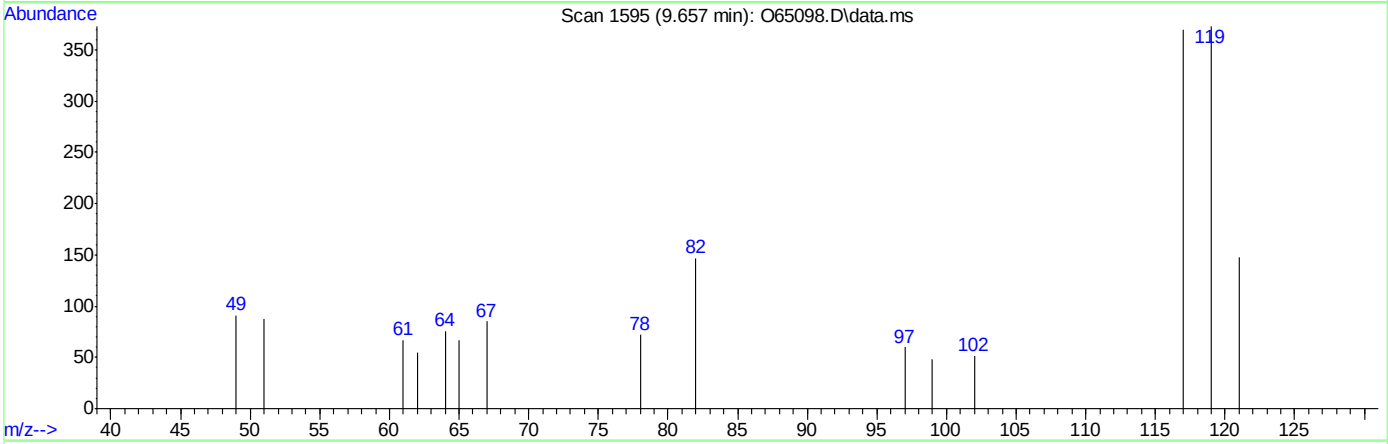
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.64
121.00	31.10	31.85
82.00	24.20	27.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65098.D
Acq On : 10 Sep 2021 8:50 pm
Operator : charleng
Sample : FA88620-12 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 09:24:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65098.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.16ug/L m

response 816

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.81
121.00	31.10	40.00
82.00	24.20	39.73

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65099.D
Acq On : 10 Sep 2021 9:13 pm
Operator : charleng
Sample : FA88620-13 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:35:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

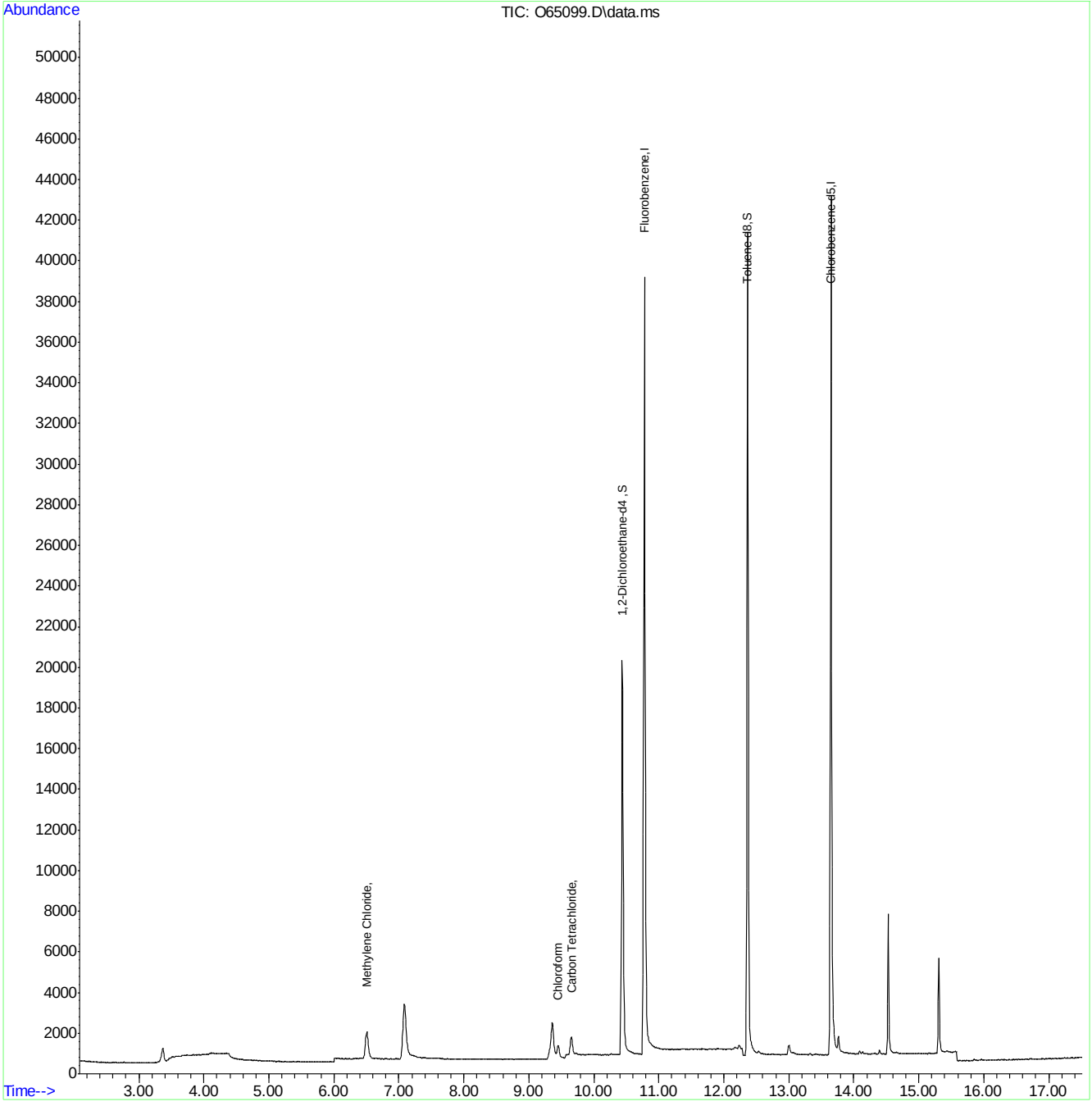
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	44639	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30190	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18666	5.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.00%			
19) Toluene-d8	12.367	98	35899	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1716	0.18	ug/L	92
9) Chloroform	9.450	83	629m	0.07	ug/L	
10) Carbon Tetrachloride	9.656	117	805	0.16	ug/L	92

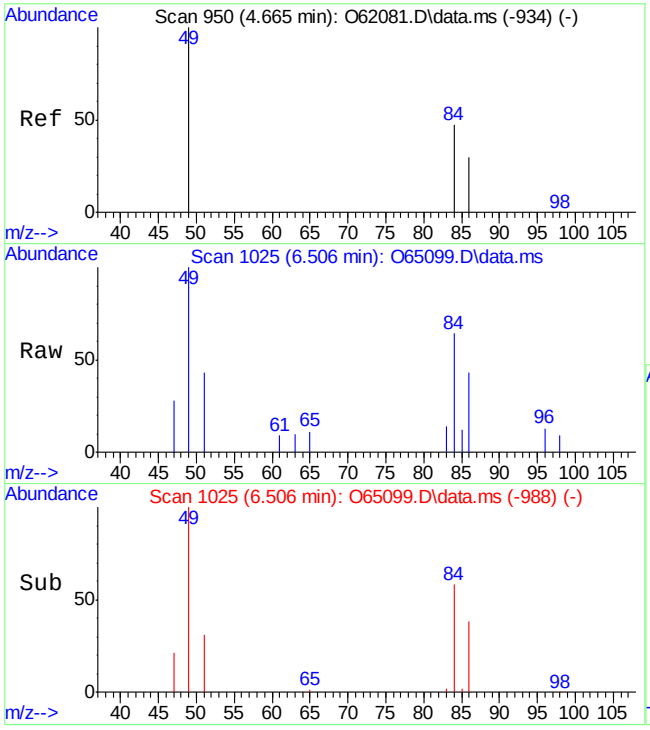
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65099.D
Acq On : 10 Sep 2021 9:13 pm
Operator : charleng
Sample : FA88620-13 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:35:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

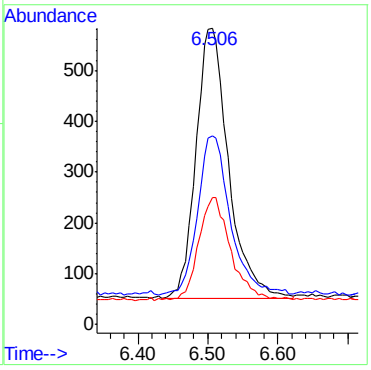


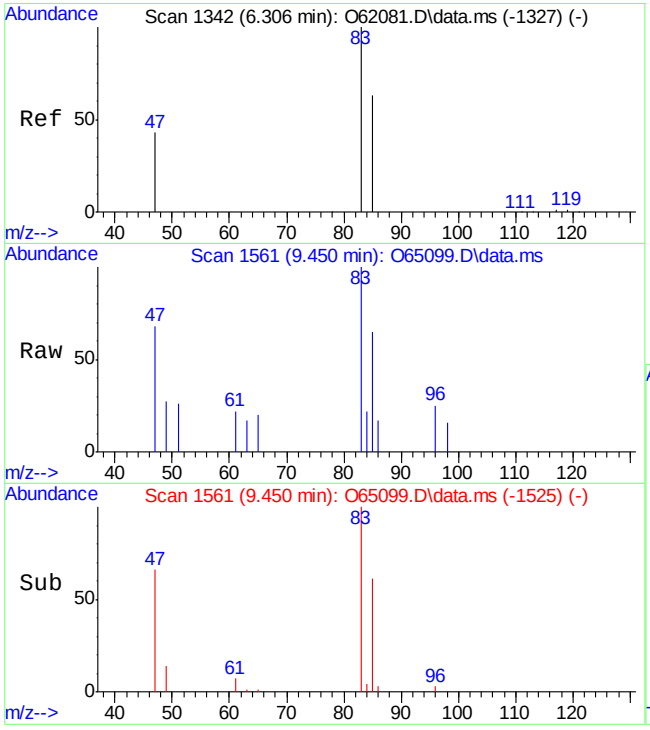


#5
Methylene Chloride
Concen: 0.18 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65099.D
Acq: 10 Sep 2021 9:13 pm

Tgt Ion: 49 Resp: 1716

Ion	Ratio	Lower	Upper
49	100		
84	58.6	35.5	95.5
86	37.9	12.8	72.8

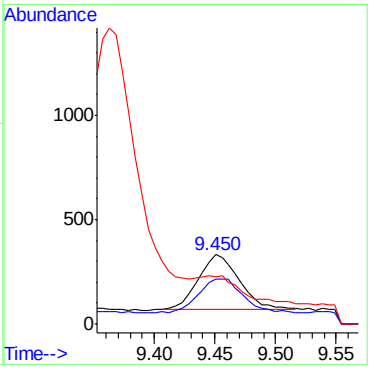


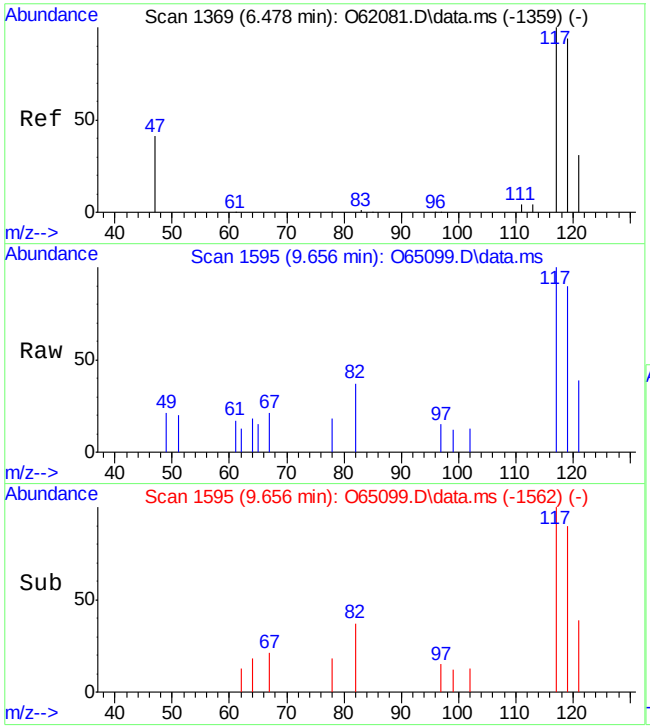


#9
Chloroform
Concen: 0.07 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65099.D
Acq: 10 Sep 2021 9:13 pm

Tgt Ion: 83 Resp: 629

Ion	Ratio	Lower	Upper
83	100		
85	64.9	33.7	93.7
47	68.2	5.1	65.1#

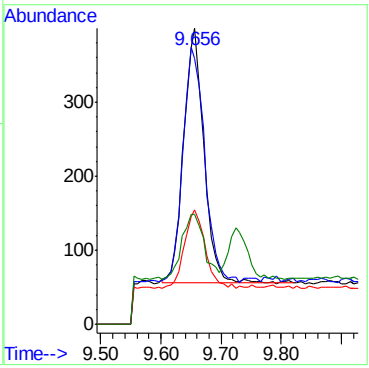




#10
Carbon Tetrachloride
Concen: 0.16 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65099.D
Acq: 10 Sep 2021 9:13 pm

Tgt Ion:117 Resp: 805

Ion	Ratio	Lower	Upper
117	100		
119	87.2	68.2	128.2
121	30.8	1.1	61.1
82	25.6	0.0	54.2



Manual Integration Approval Summary

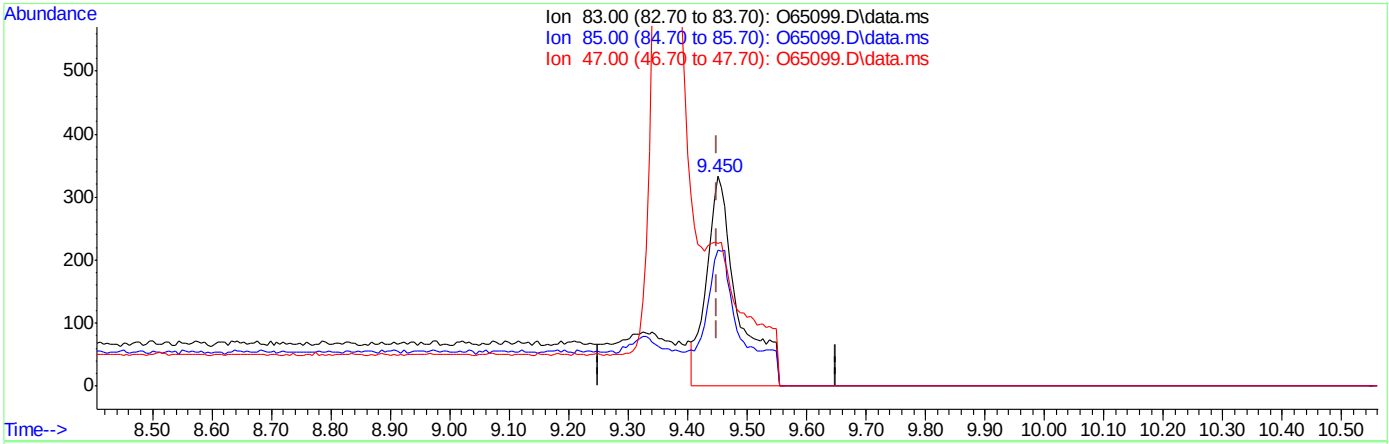
Sample Number: FA88620-13
Lab FileID: O65099.D
Injection Time: 09/10/21 21:13
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

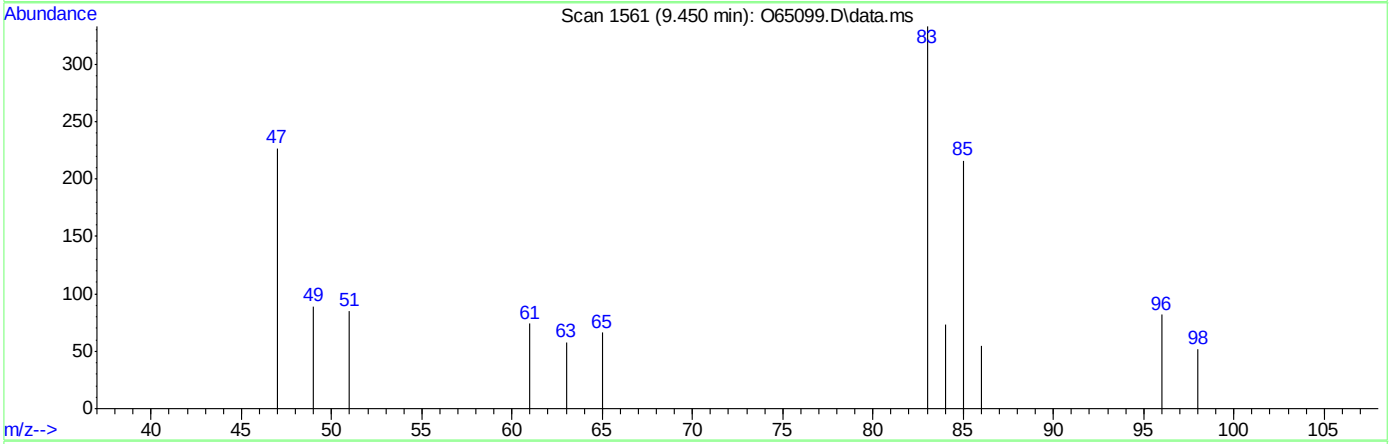
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65099.D
Acq On : 10 Sep 2021 9:13 pm
Operator : charleng
Sample : FA88620-13 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:24:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65099.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.14ug/L

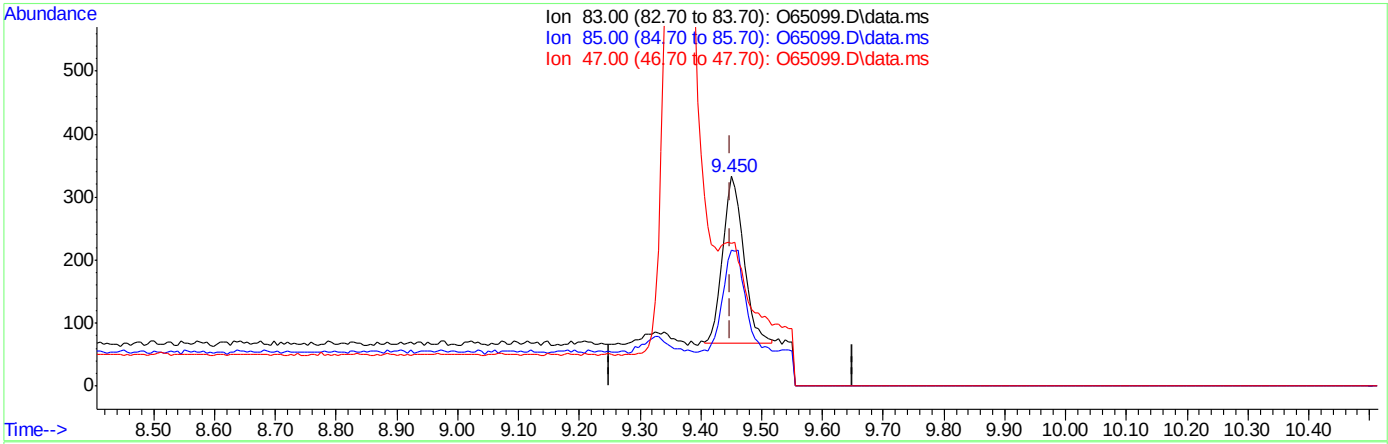
response 1229

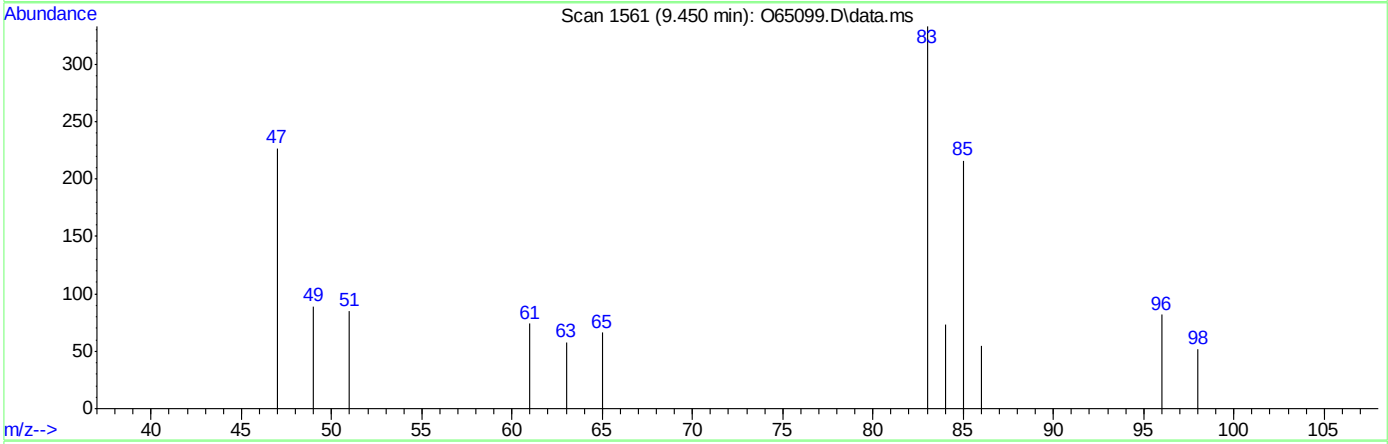
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.86
47.00	35.10	68.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65099.D
Acq On : 10 Sep 2021 9:13 pm
Operator : charleng
Sample : FA88620-13 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 09:24:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65099.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.07ug/L m

response 629

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.86
47.00	35.10	68.17#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65100.D
Acq On : 10 Sep 2021 9:36 pm
Operator : charleng
Sample : FA88620-14 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:35:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

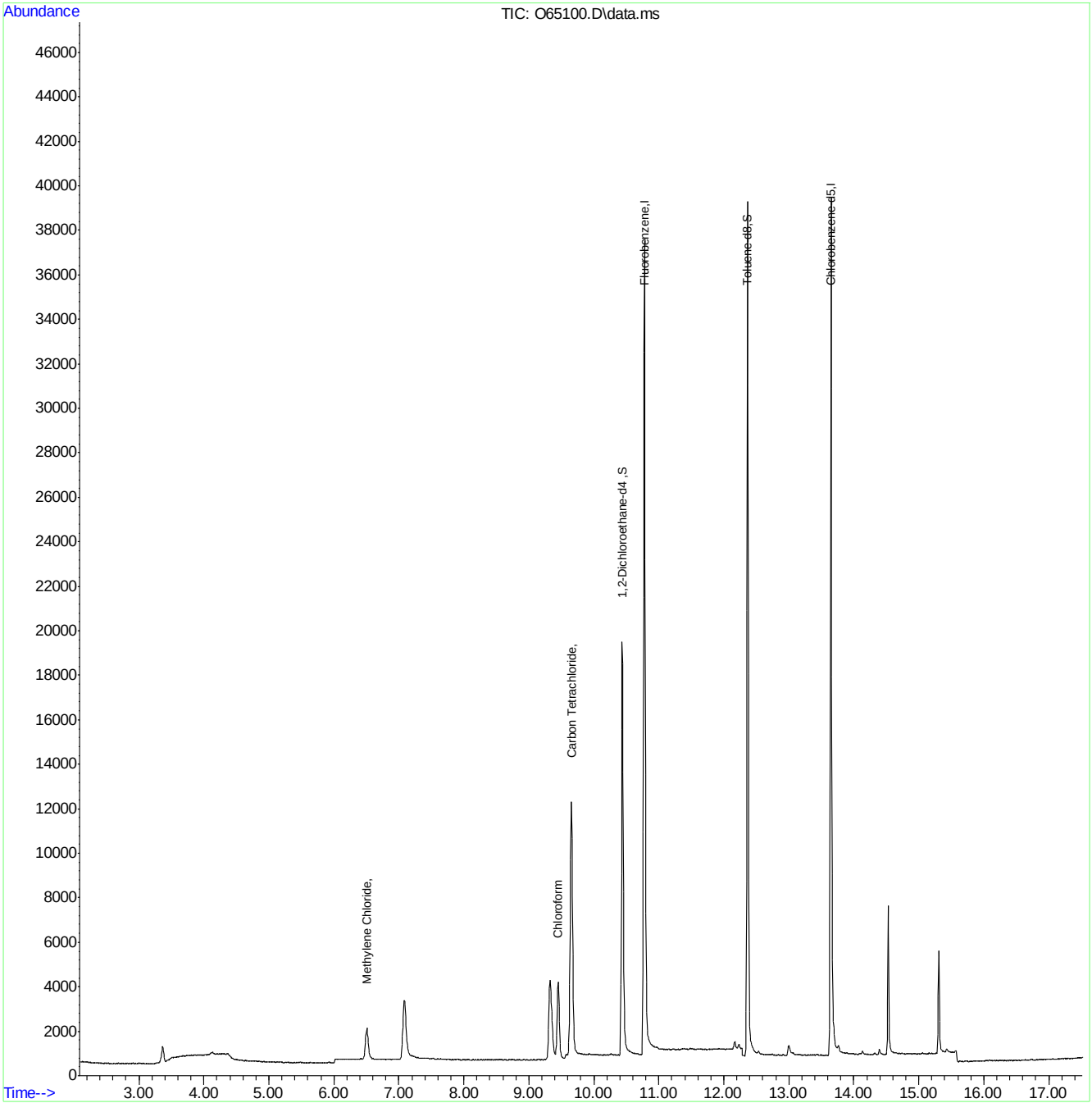
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42670	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28904	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17977	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	34224	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1758	0.20	ug/L	91
9) Chloroform	9.450	83	3916m	0.48	ug/L	
10) Carbon Tetrachloride	9.656	117	11619	2.44	ug/L	97

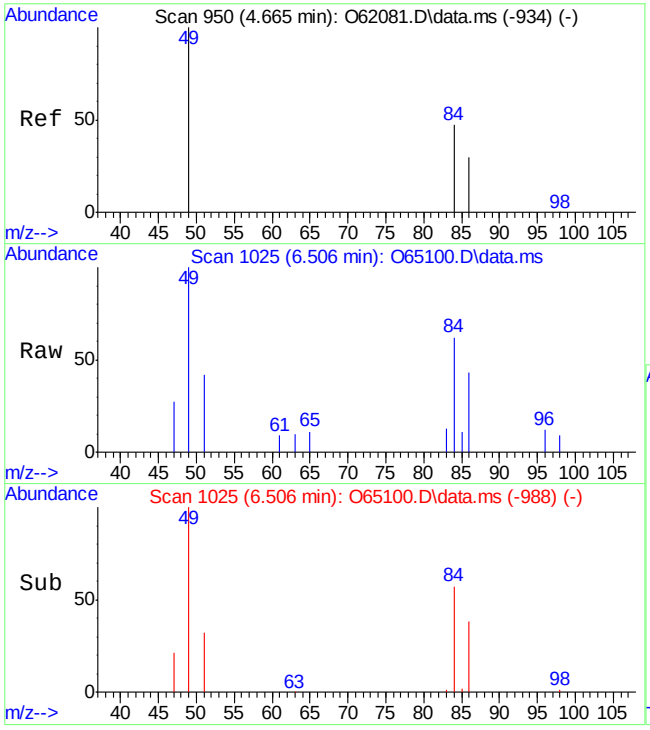
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65100.D
Acq On : 10 Sep 2021 9:36 pm
Operator : charleng
Sample : FA88620-14 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:35:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

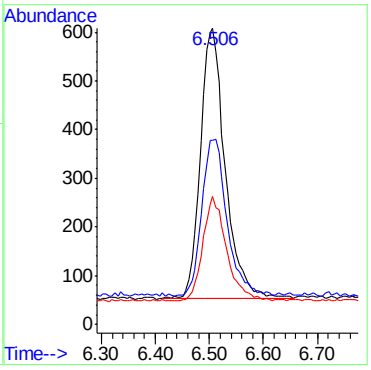


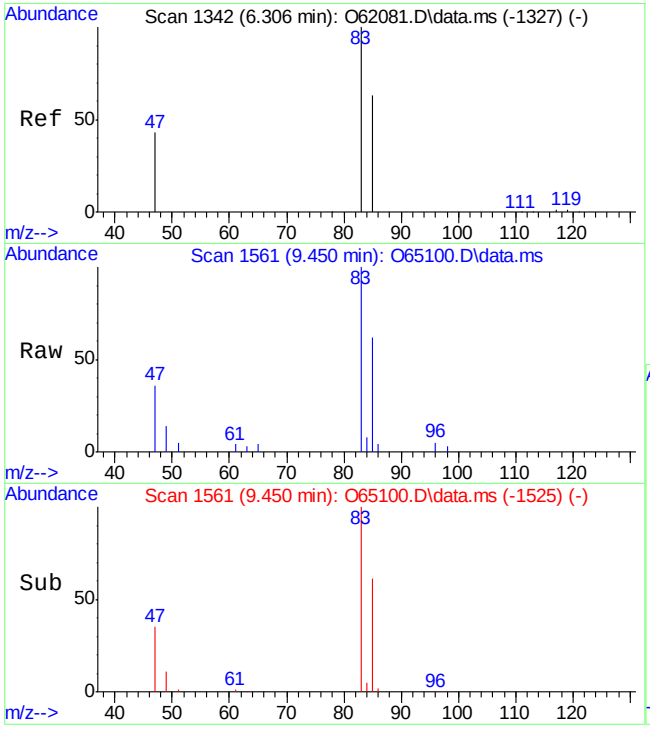


#5
Methylene Chloride
Concen: 0.20 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65100.D
Acq: 10 Sep 2021 9:36 pm

Tgt Ion: 49 Resp: 1758

Ion	Ratio	Lower	Upper
49	100		
84	57.3	35.5	95.5
86	38.0	12.8	72.8

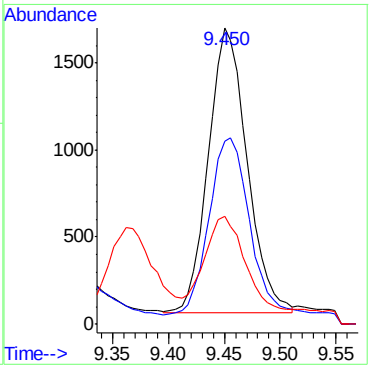


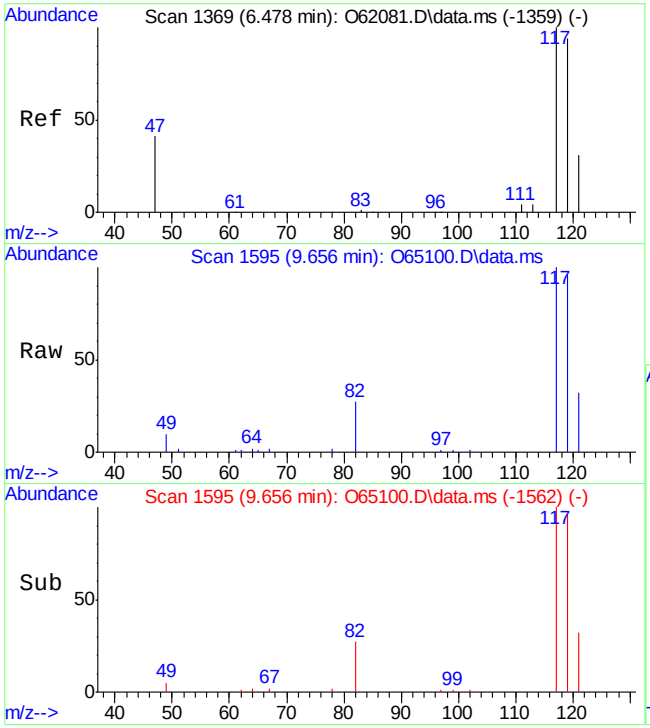


#9
Chloroform
Concen: 0.48 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65100.D
Acq: 10 Sep 2021 9:36 pm

Tgt Ion: 83 Resp: 3916

Ion	Ratio	Lower	Upper
83	100		
85	61.6	33.7	93.7
47	36.3	5.1	65.1

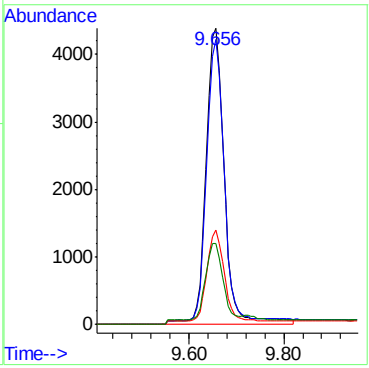




#10
Carbon Tetrachloride
Concen: 2.44 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65100.D
Acq: 10 Sep 2021 9:36 pm

Tgt Ion:117 Resp: 11619

Ion	Ratio	Lower	Upper
117	100		
119	96.1	68.2	128.2
121	31.9	1.1	61.1
82	27.2	0.0	54.2



Manual Integration Approval Summary

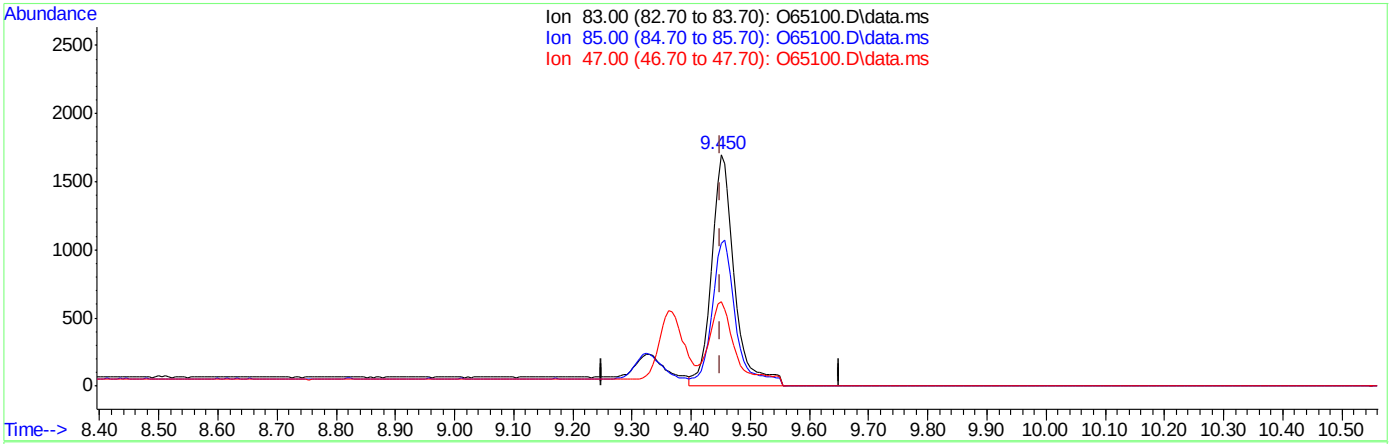
Sample Number: FA88620-14
Lab FileID: O65100.D
Injection Time: 09/10/21 21:36
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

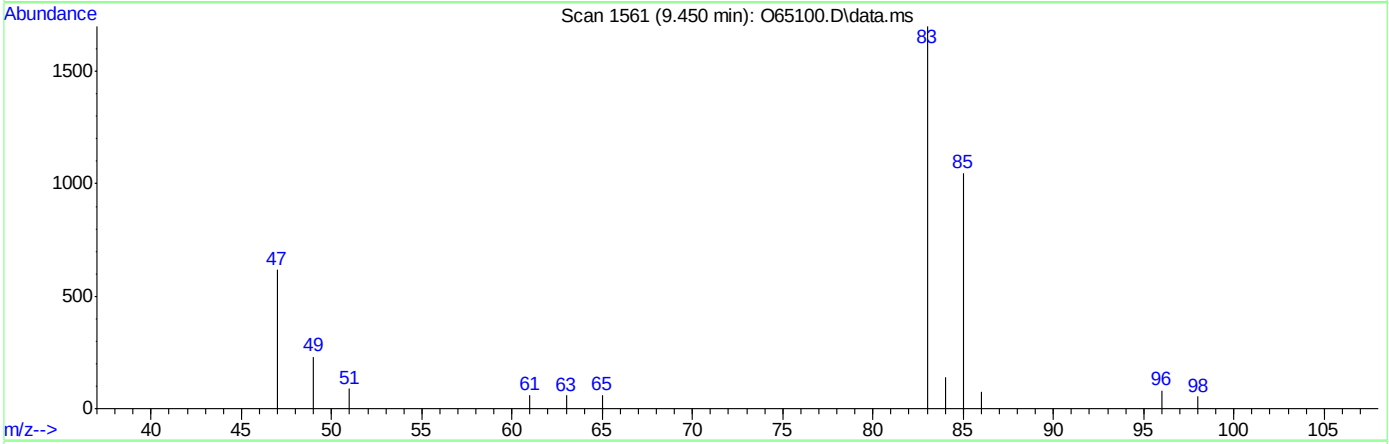
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65100.D
Acq On : 10 Sep 2021 9:36 pm
Operator : charleng
Sample : FA88620-14 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:24:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65100.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.56ug/L

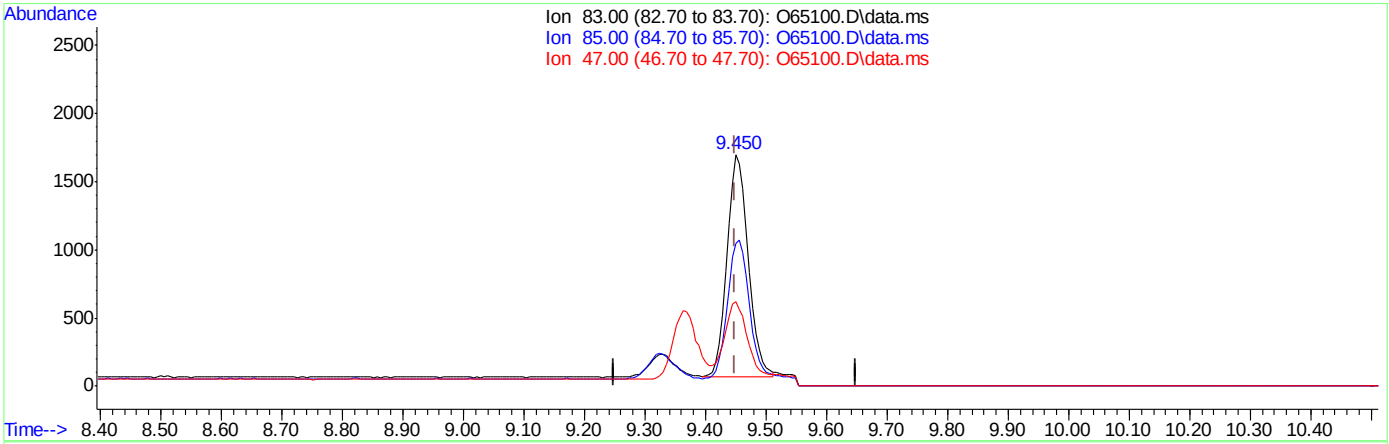
response 4622

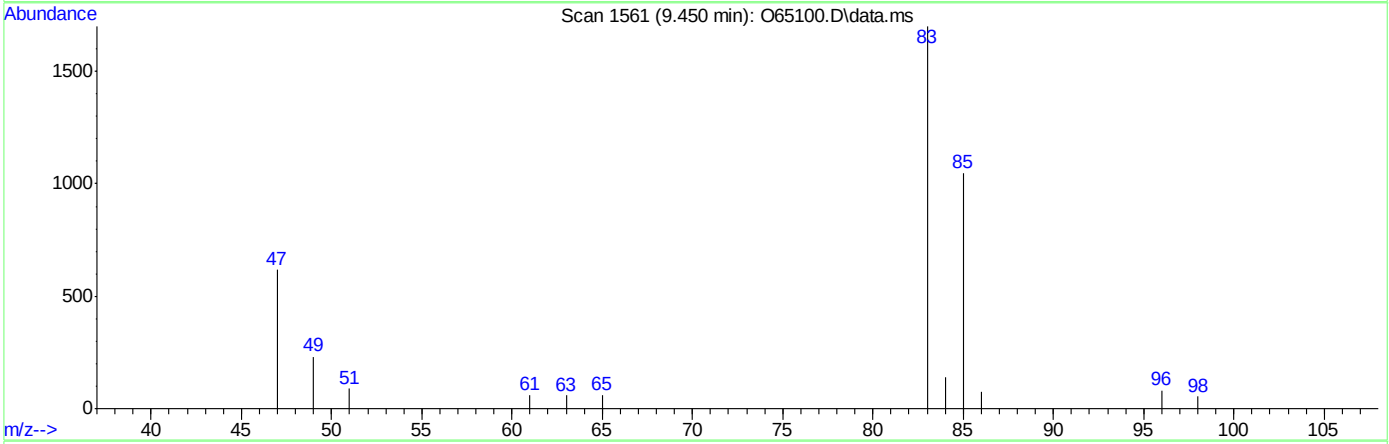
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.59
47.00	35.10	36.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65100.D
Acq On : 10 Sep 2021 9:36 pm
Operator : charleng
Sample : FA88620-14 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 09:24:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65100.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.48ug/L m

response 3916

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.59
47.00	35.10	36.29
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:36:25 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

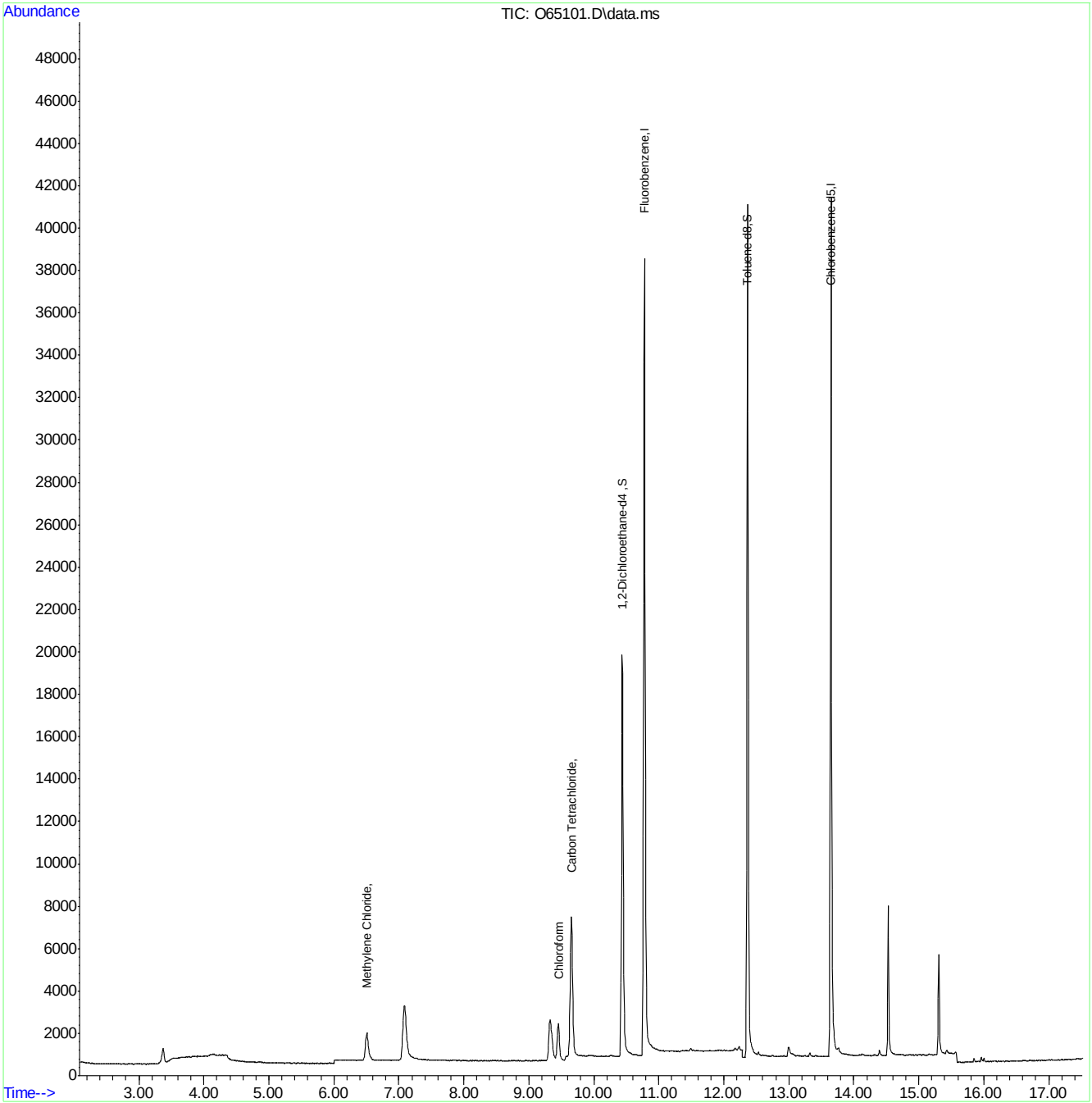
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43914	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30033	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18353	5.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.00%			
19) Toluene-d8	12.367	98	35803	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	1703	0.18	ug/L	88
9) Chloroform	9.456	83	1972m	0.23	ug/L	
10) Carbon Tetrachloride	9.656	117	6155m	1.26	ug/L	

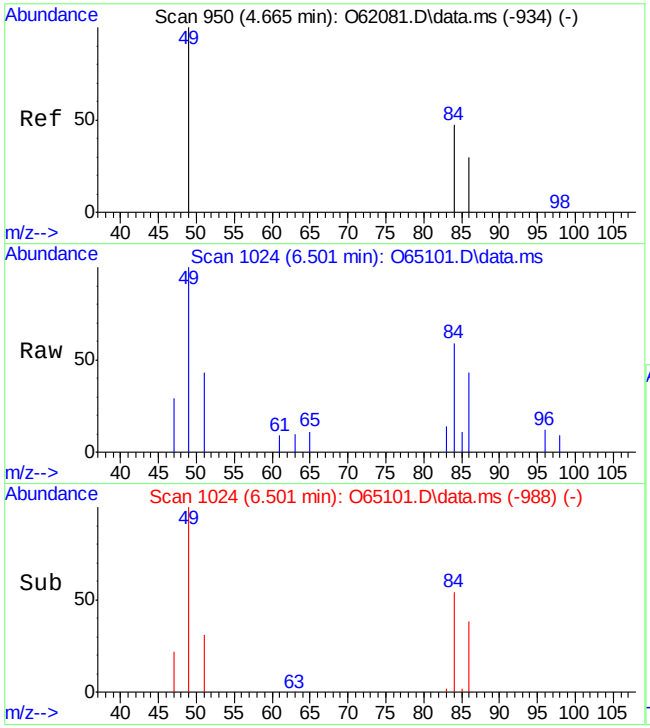
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:36:25 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

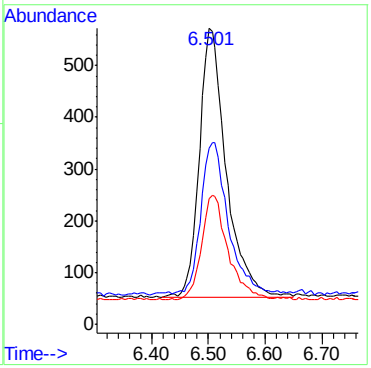


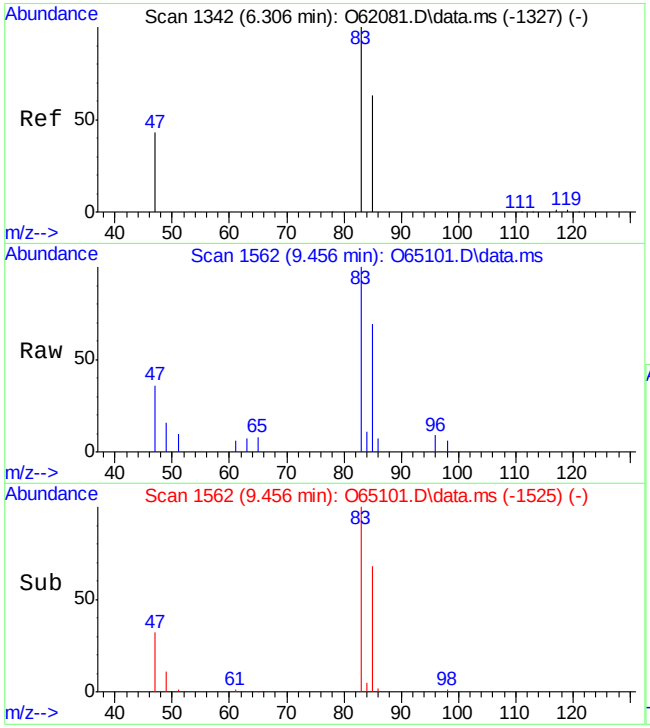


#5
Methylene Chloride
Concen: 0.18 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O65101.D
Acq: 10 Sep 2021 10:00 pm

Tgt Ion: 49 Resp: 1703

Ion	Ratio	Lower	Upper
49	100		
84	53.6	35.5	95.5
86	37.6	12.8	72.8

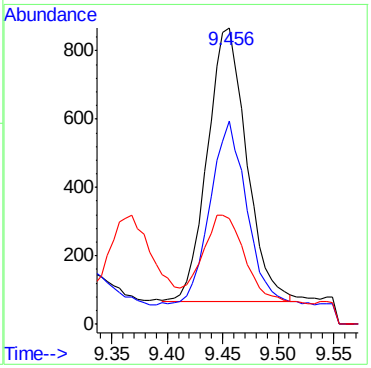


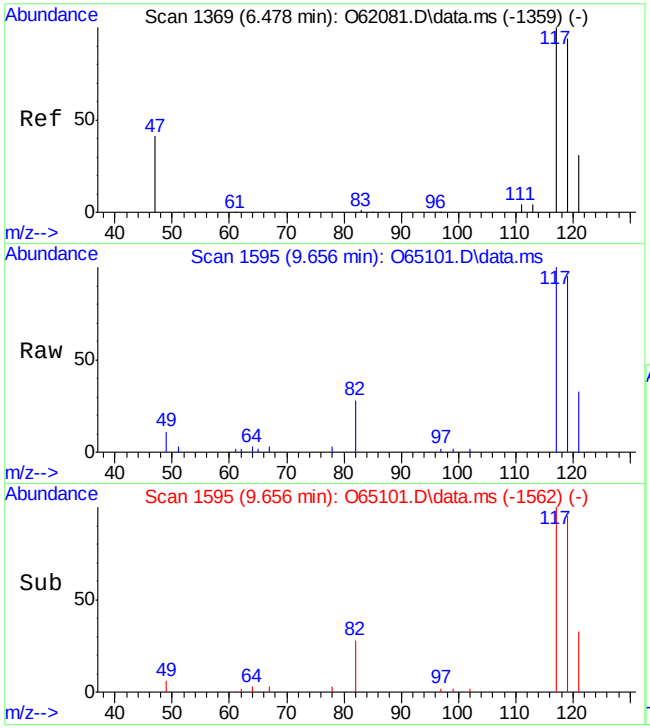


#9
Chloroform
Concen: 0.23 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65101.D
Acq: 10 Sep 2021 10:00 pm

Tgt Ion: 83 Resp: 1972

Ion	Ratio	Lower	Upper
83	100		
85	68.5	33.7	93.7
47	35.5	5.1	65.1

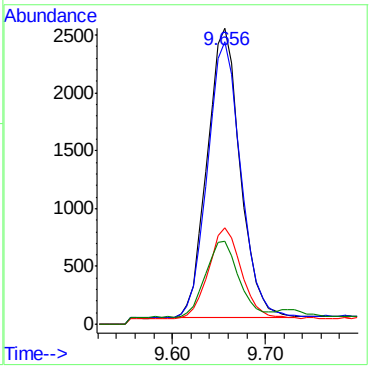




#10
Carbon Tetrachloride
Concen: 1.26 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. 0.000 min
Lab File: O65101.D
Acq: 10 Sep 2021 10:00 pm

Tgt Ion:117 Resp: 6155

Ion	Ratio	Lower	Upper
117	100		
119	95.3	68.2	128.2
121	32.6	1.1	61.1
82	28.1	0.0	54.2



Manual Integration Approval Summary

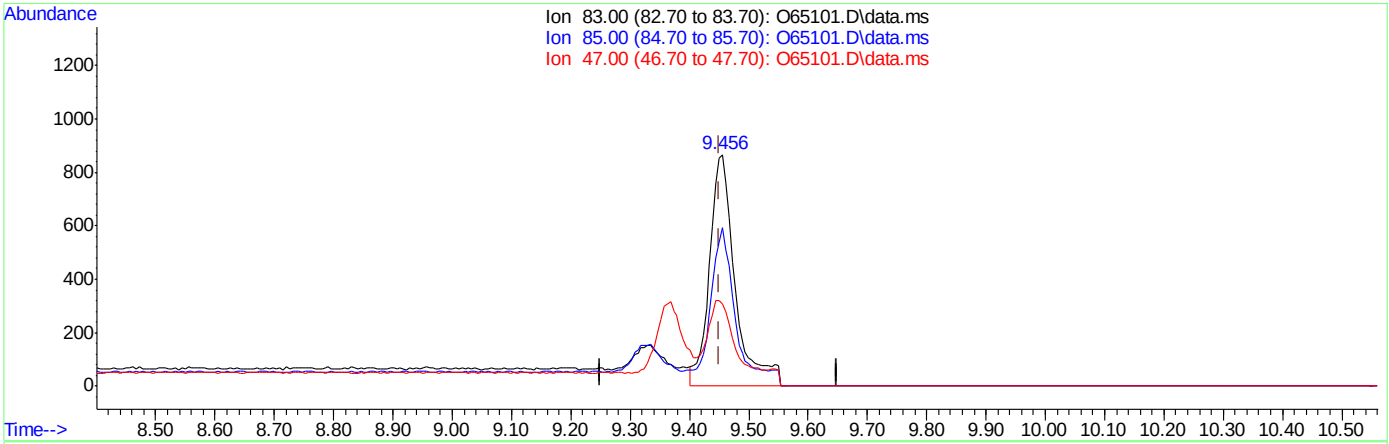
Sample Number: FA88620-15
Lab FileID: O65101.D
Injection Time: 09/10/21 22:00
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

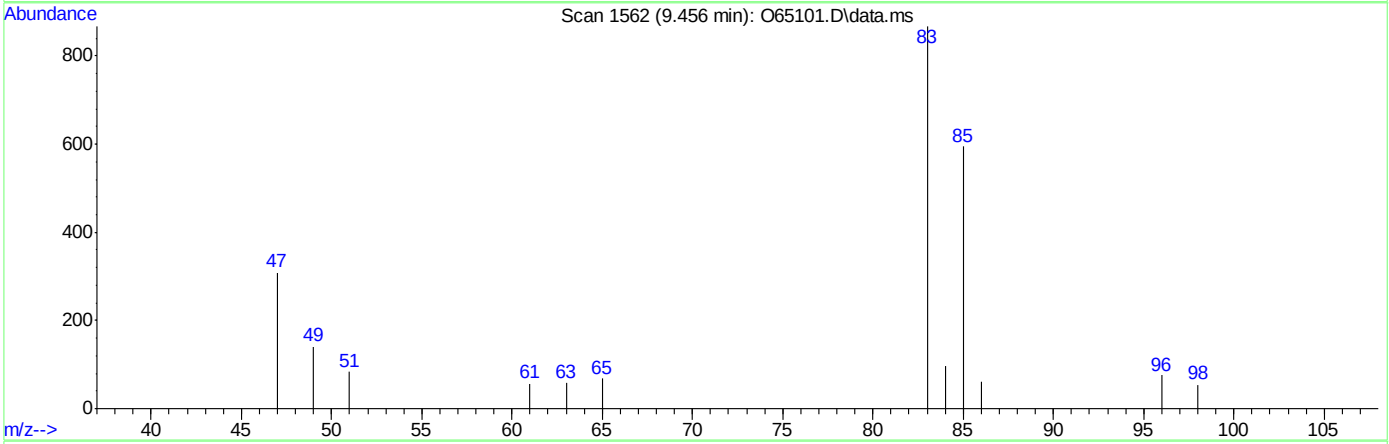
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65101.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.31ug/L

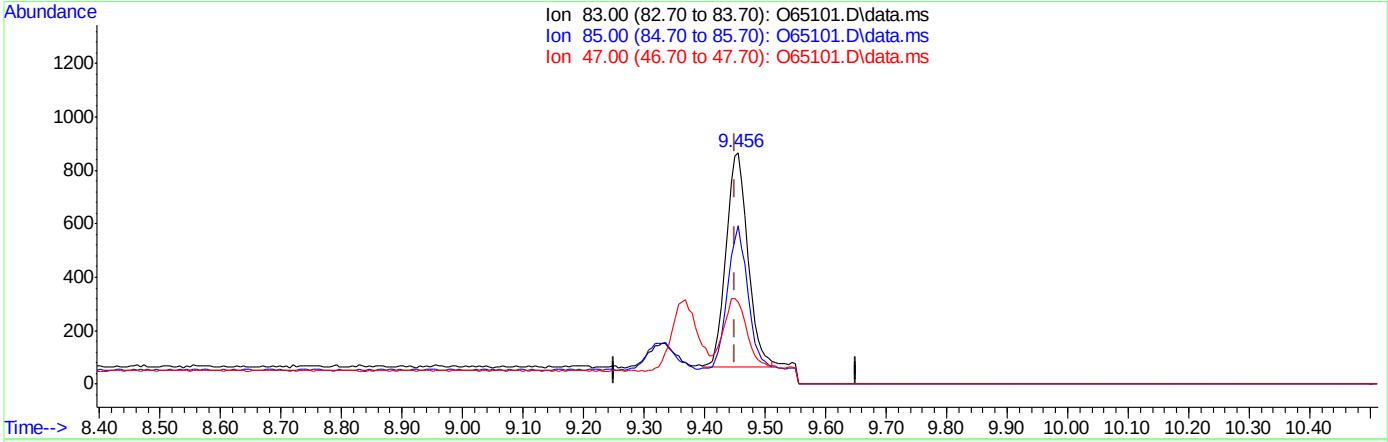
response 2604

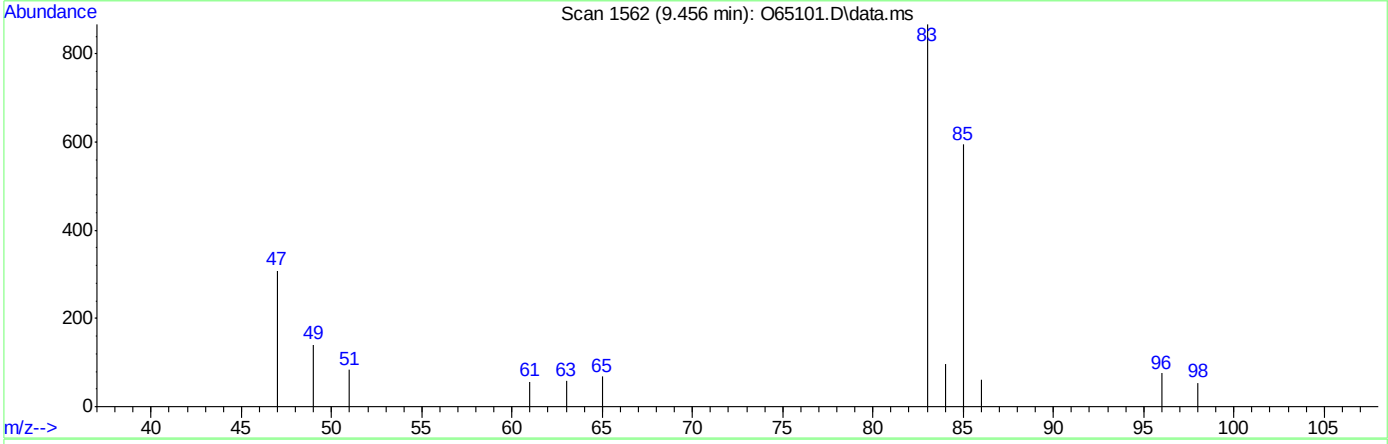
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.51
47.00	35.10	35.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65101.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.23ug/L m

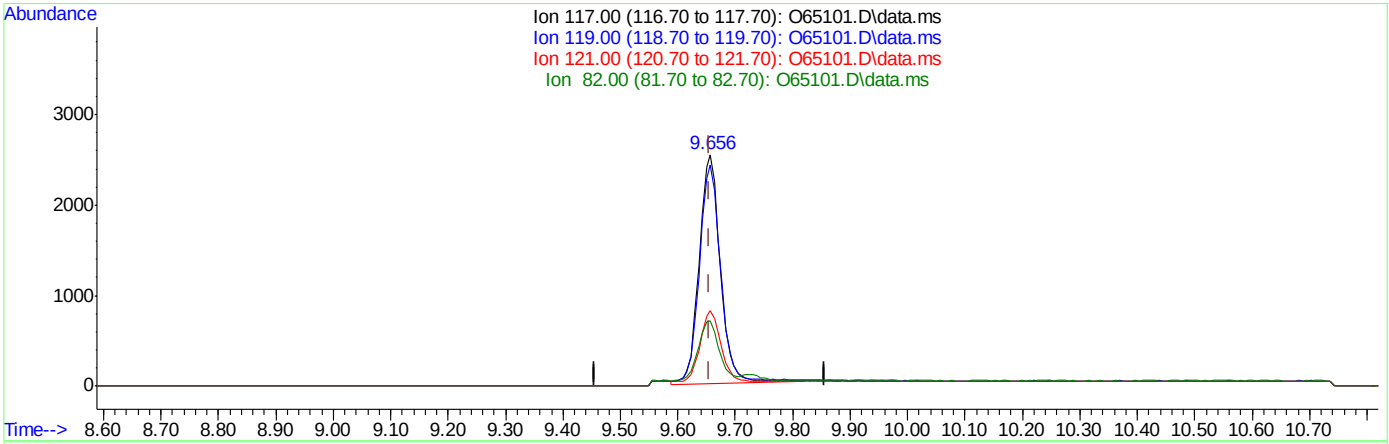
response 1972

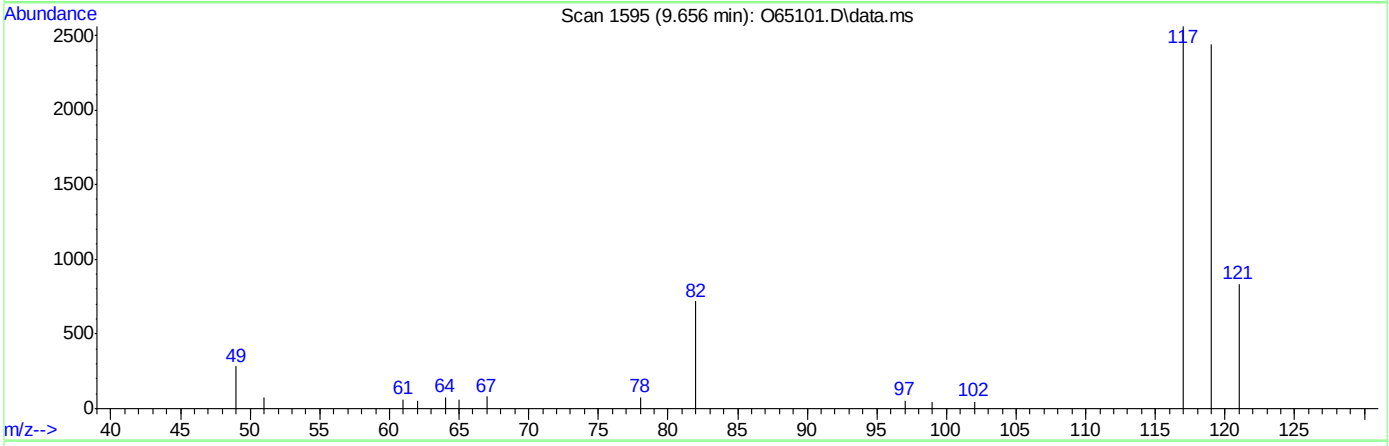
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	68.51
47.00	35.10	35.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65101.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.33ug/L

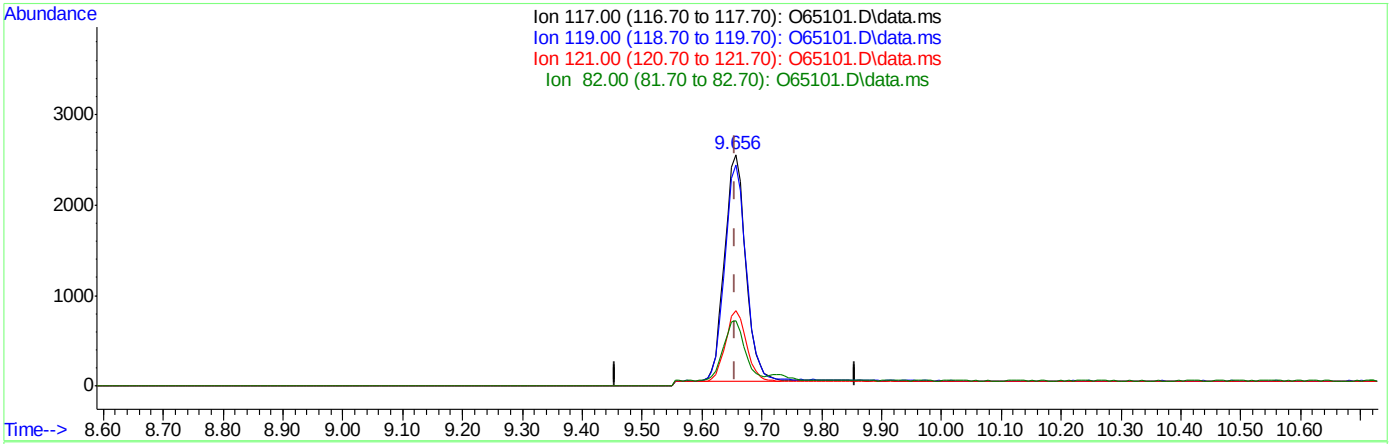
response 6520

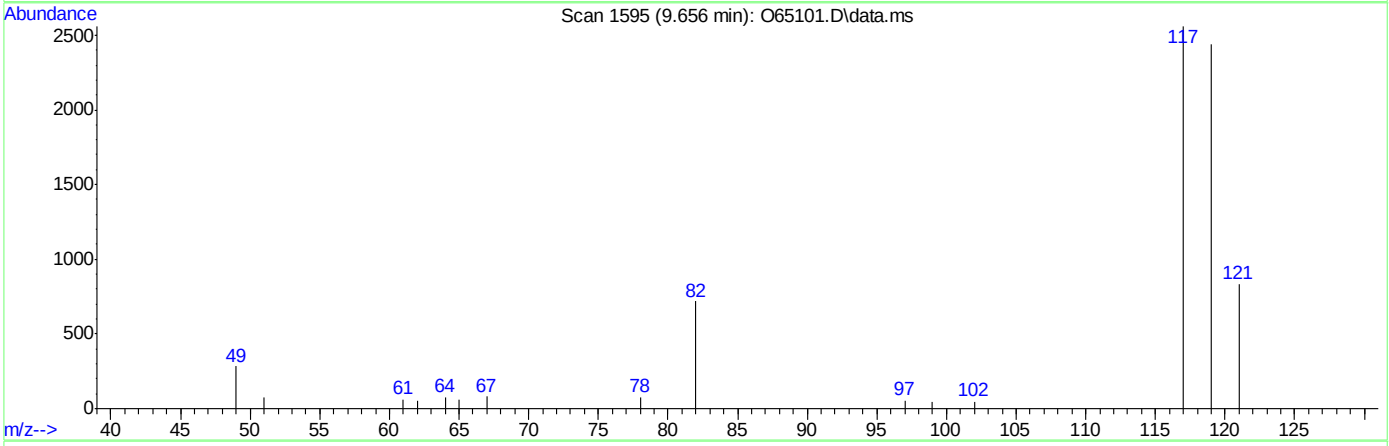
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.09
121.00	31.10	31.39
82.00	24.20	26.40

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65101.D
Acq On : 10 Sep 2021 10:00 pm
Operator : charleng
Sample : FA88620-15 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 09:24:07 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65101.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 1.26ug/L m

response 6155

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.35
121.00	31.10	32.63
82.00	24.20	28.14

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65102.D
Acq On : 10 Sep 2021 10:23 pm
Operator : charleng
Sample : FA88620-16 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 09:36:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

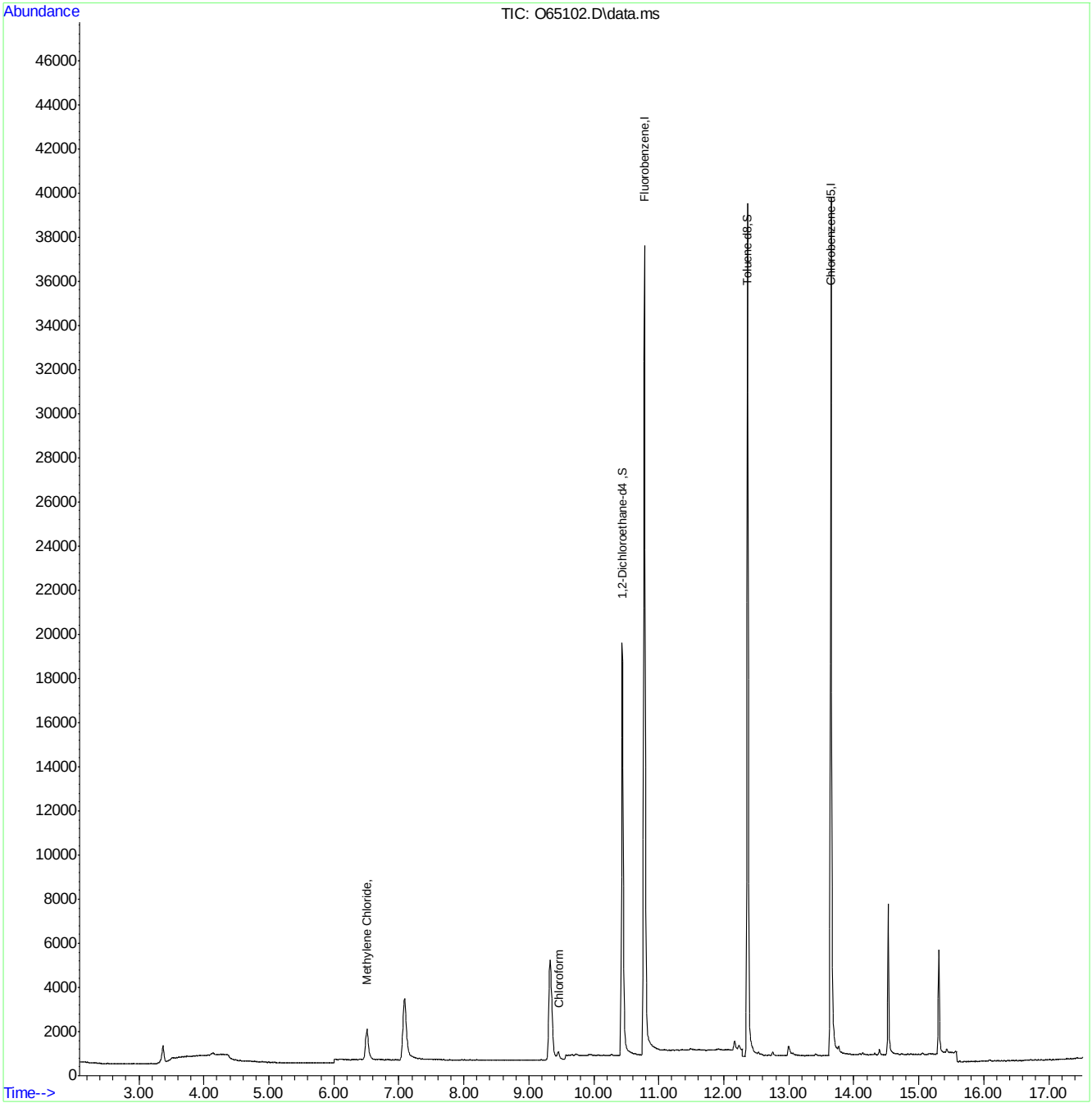
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43005	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29309	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18162	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	34507	4.82	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1721	0.19	ug/L	94
9) Chloroform	9.456	83	312m	0.04	ug/L	

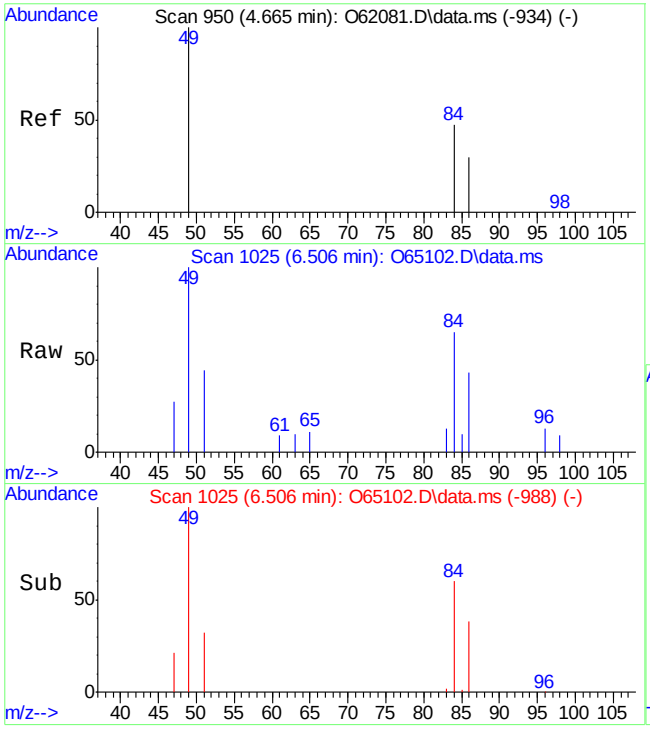
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65102.D
Acq On : 10 Sep 2021 10:23 pm
Operator : charleng
Sample : FA88620-16 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 09:36:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

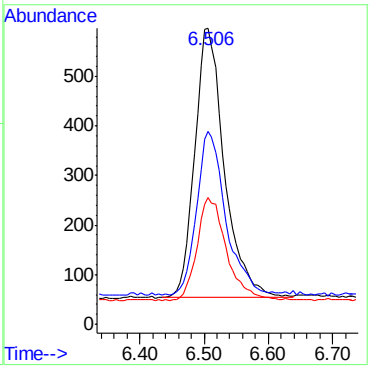


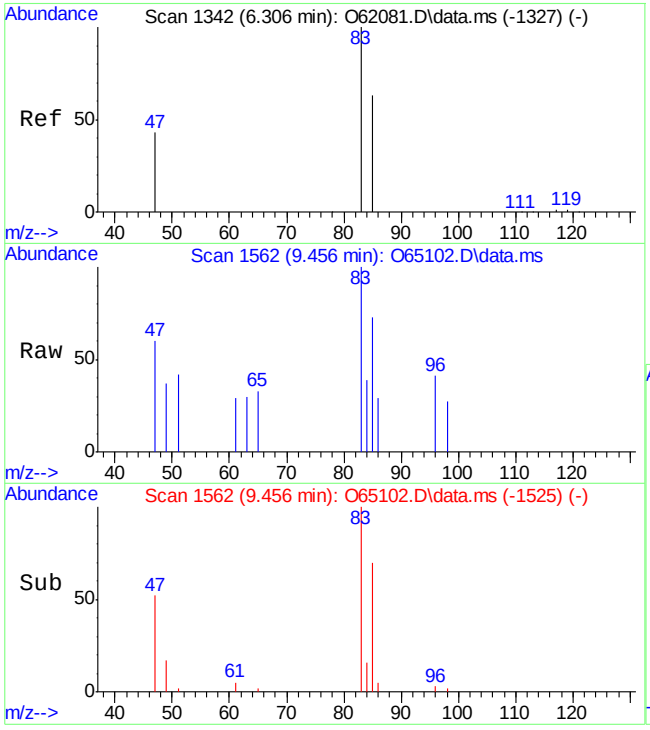


#5
Methylene Chloride
Concen: 0.19 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65102.D
Acq: 10 Sep 2021 10:23 pm

Tgt Ion: 49 Resp: 1721

Ion	Ratio	Lower	Upper
49	100		
84	60.9	35.5	95.5
86	38.4	12.8	72.8

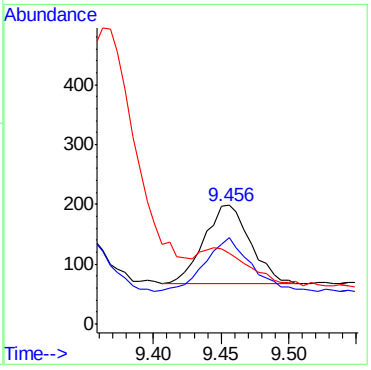




#9
Chloroform
Concen: 0.04 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65102.D
Acq: 10 Sep 2021 10:23 pm

Tgt Ion: 83 Resp: 312

Ion	Ratio	Lower	Upper
83	100		
85	73.2	33.7	93.7
47	59.6	5.1	65.1



Manual Integration Approval Summary

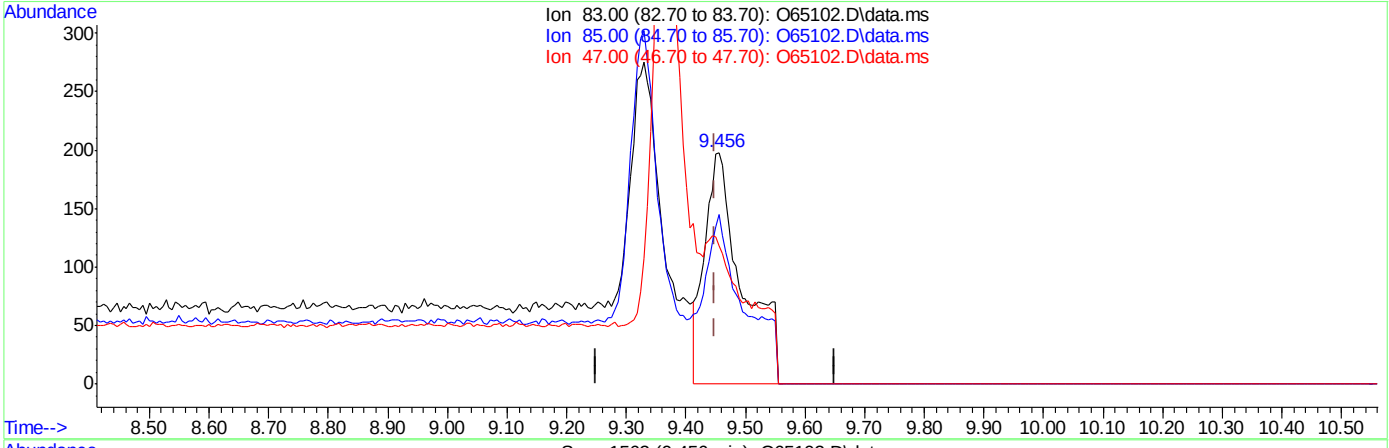
Sample Number: FA88620-16
Lab FileID: O65102.D
Injection Time: 09/10/21 22:23
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

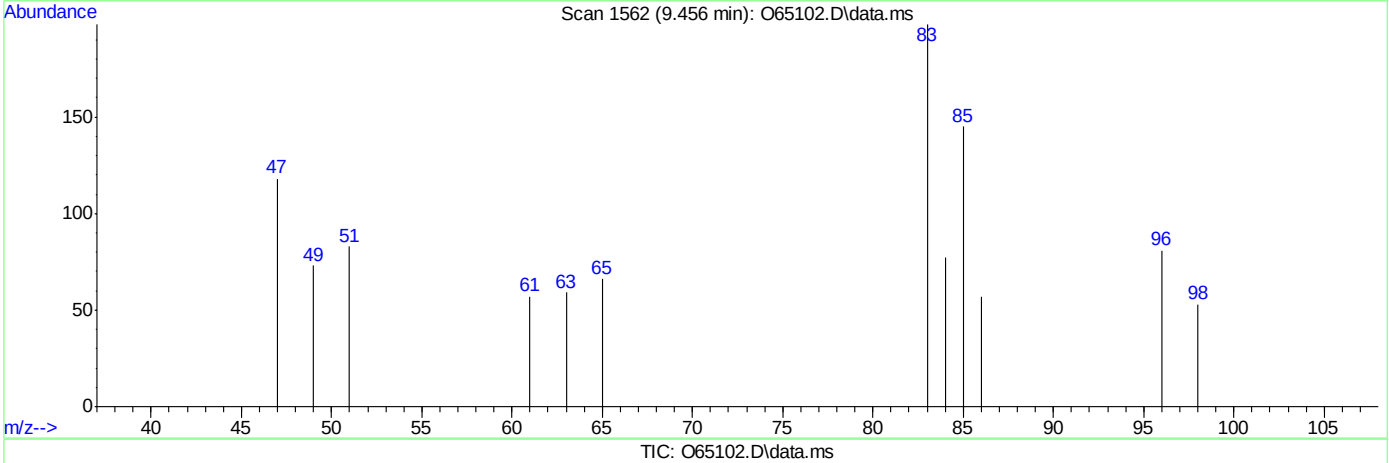
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65102.D
Acq On : 10 Sep 2021 10:23 pm
Operator : charleng
Sample : FA88620-16 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 09:24:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65102.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.11ug/L

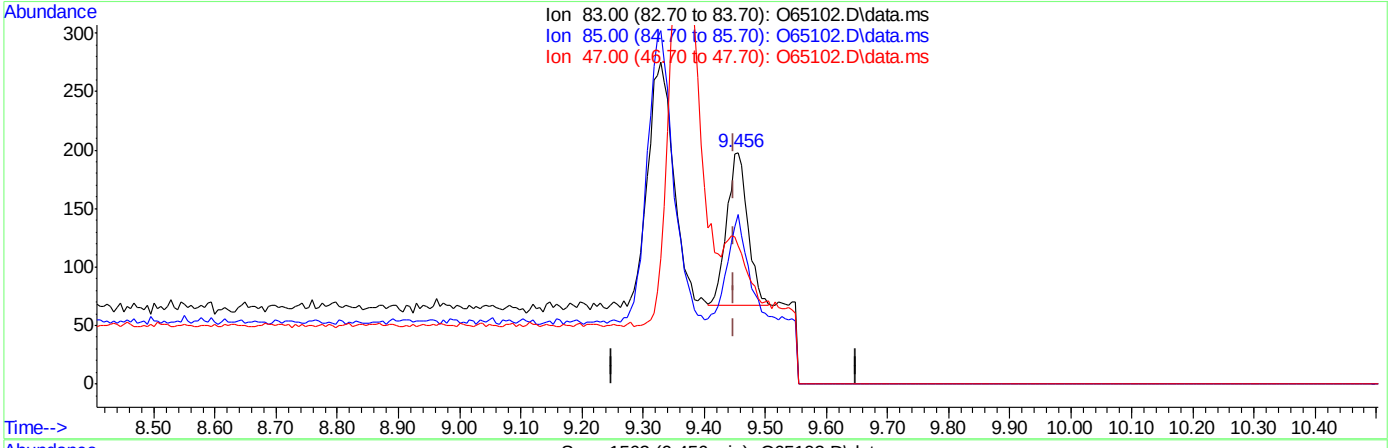
response 875

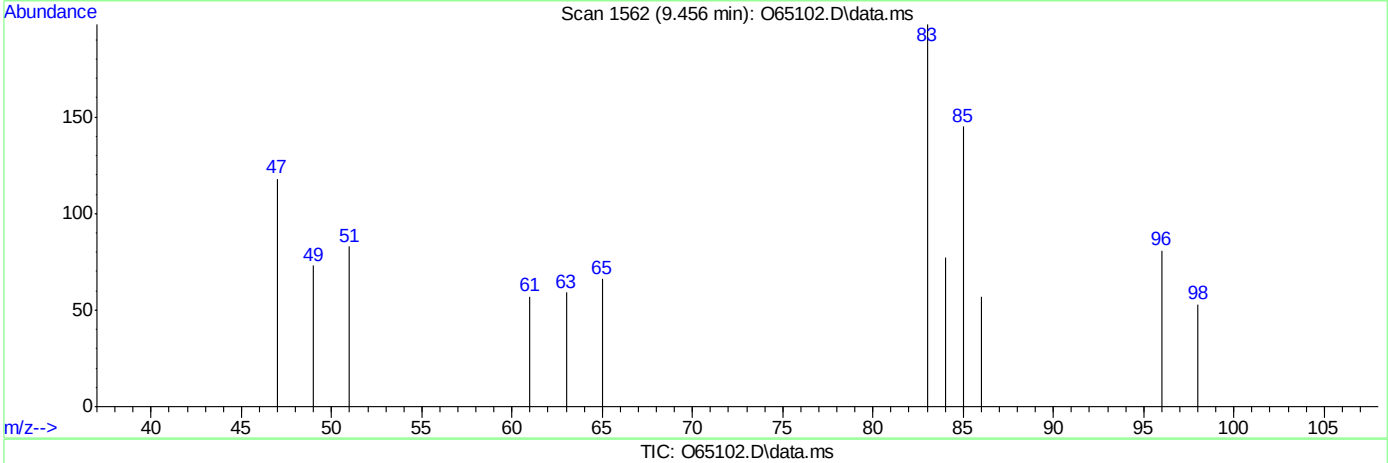
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	73.23
47.00	35.10	59.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65102.D
Acq On : 10 Sep 2021 10:23 pm
Operator : charleng
Sample : FA88620-16 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 09:24:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65102.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.04ug/L m

response 312

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	73.23
47.00	35.10	59.60
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65103.D
Acq On : 10 Sep 2021 10:46 pm
Operator : charleng
Sample : FA88620-17 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 09:36:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

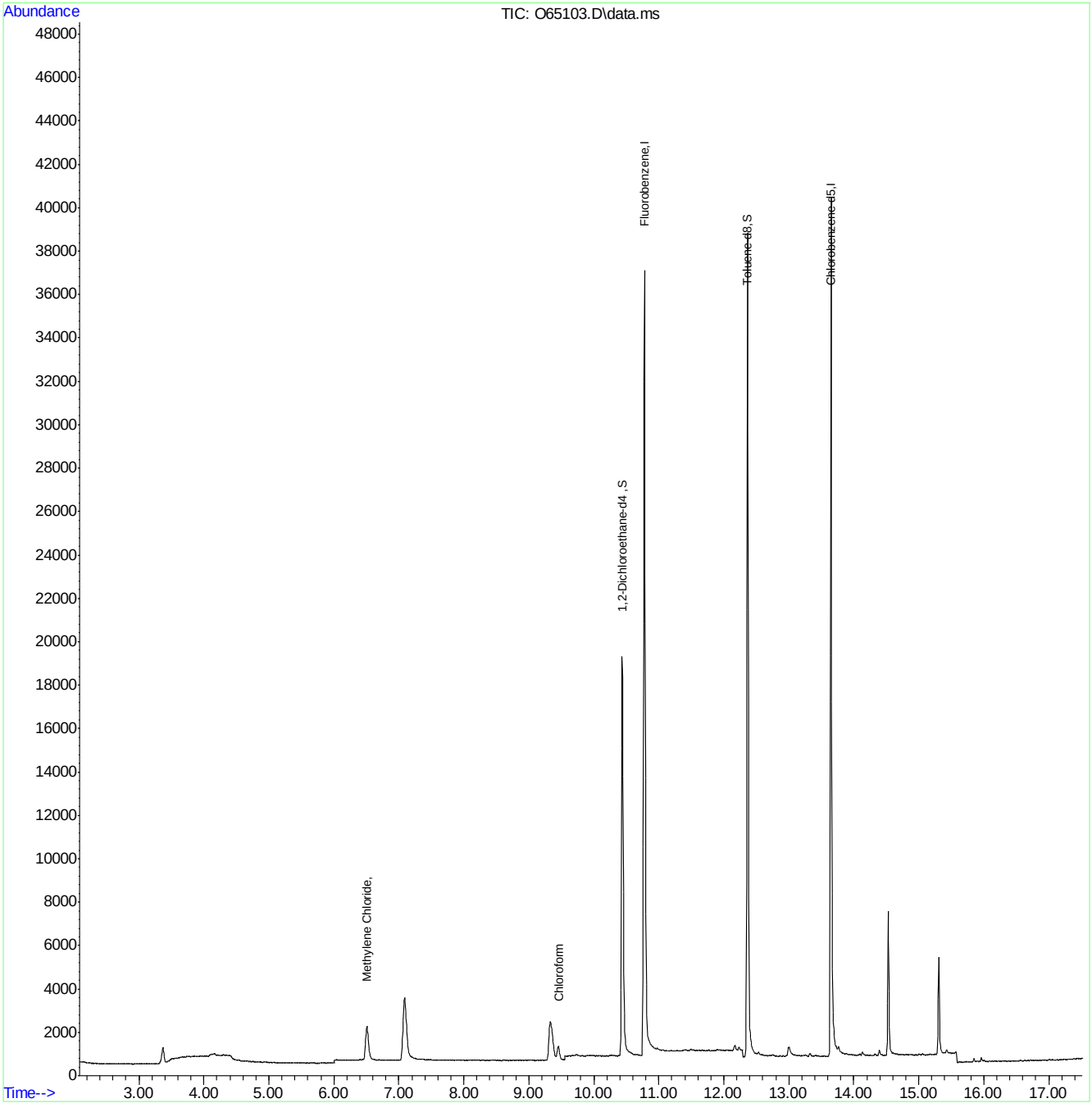
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42321	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28635	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17849	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	33854	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1953	0.22	ug/L	88
9) Chloroform	9.456	83	636m	0.08	ug/L	

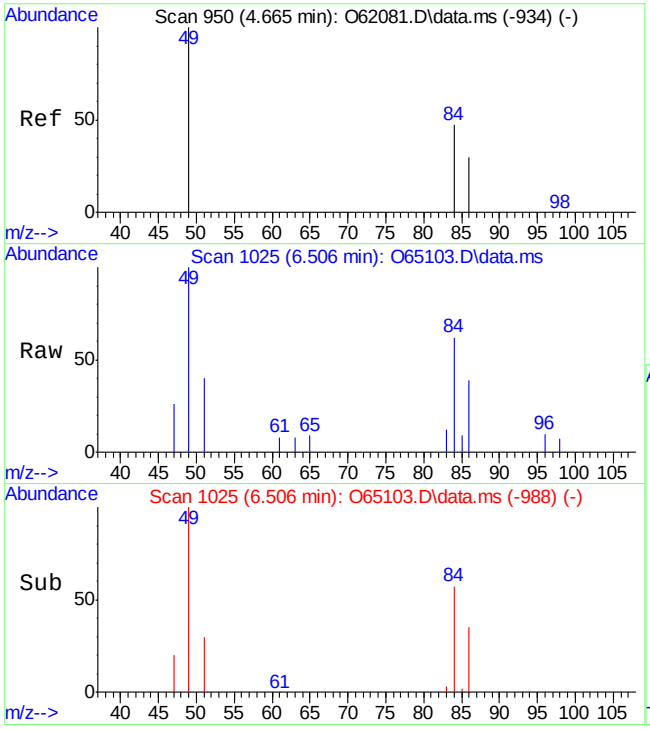
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65103.D
Acq On : 10 Sep 2021 10:46 pm
Operator : charleng
Sample : FA88620-17 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 09:36:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

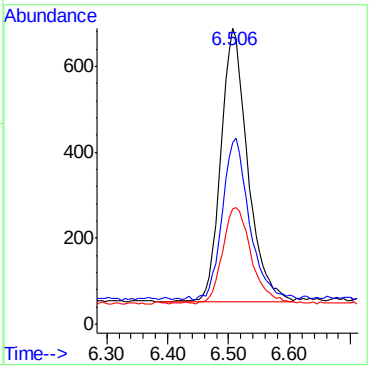


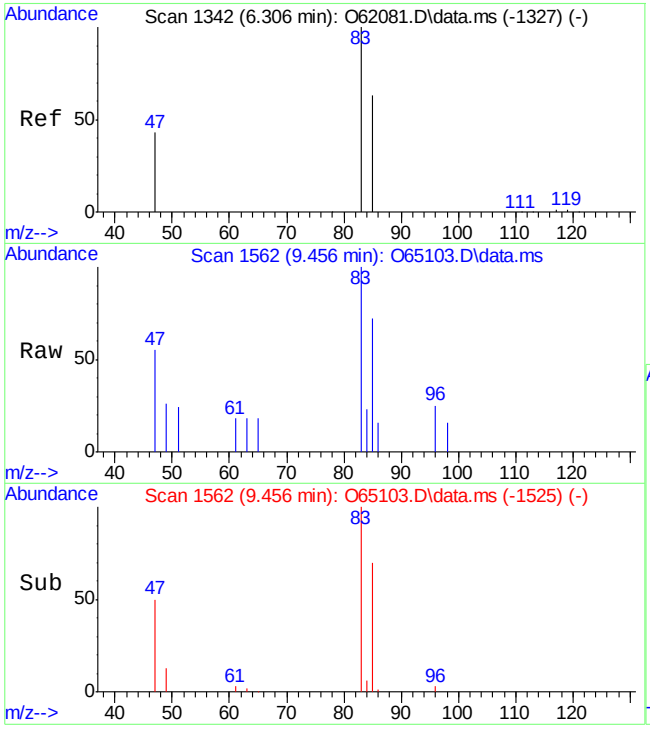


#5
Methylene Chloride
Concen: 0.22 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65103.D
Acq: 10 Sep 2021 10:46 pm

Tgt Ion: 49 Resp: 1953

Ion	Ratio	Lower	Upper
49	100		
84	57.2	35.5	95.5
86	34.3	12.8	72.8

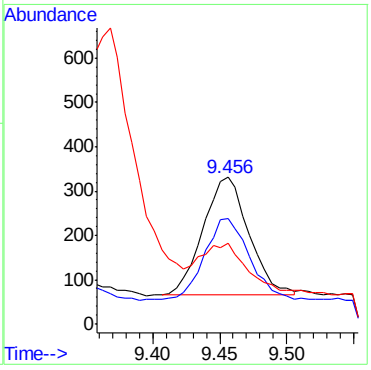




#9
Chloroform
Concen: 0.08 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65103.D
Acq: 10 Sep 2021 10:46 pm

Tgt Ion: 83 Resp: 636

Ion	Ratio	Lower	Upper
83	100		
85	72.2	33.7	93.7
47	55.0	5.1	65.1



Manual Integration Approval Summary

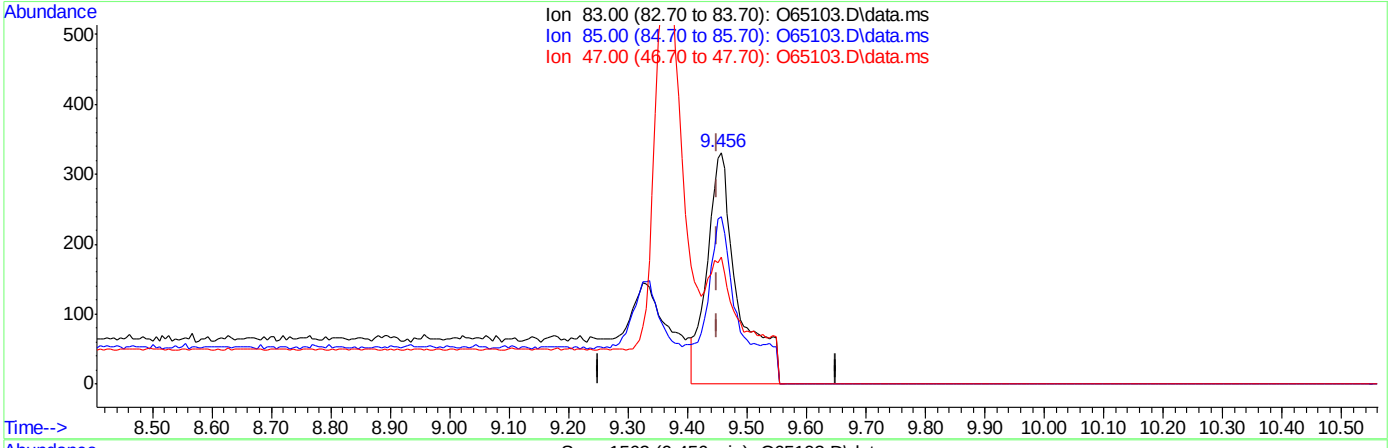
Sample Number: FA88620-17
Lab FileID: O65103.D
Injection Time: 09/10/21 22:46
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

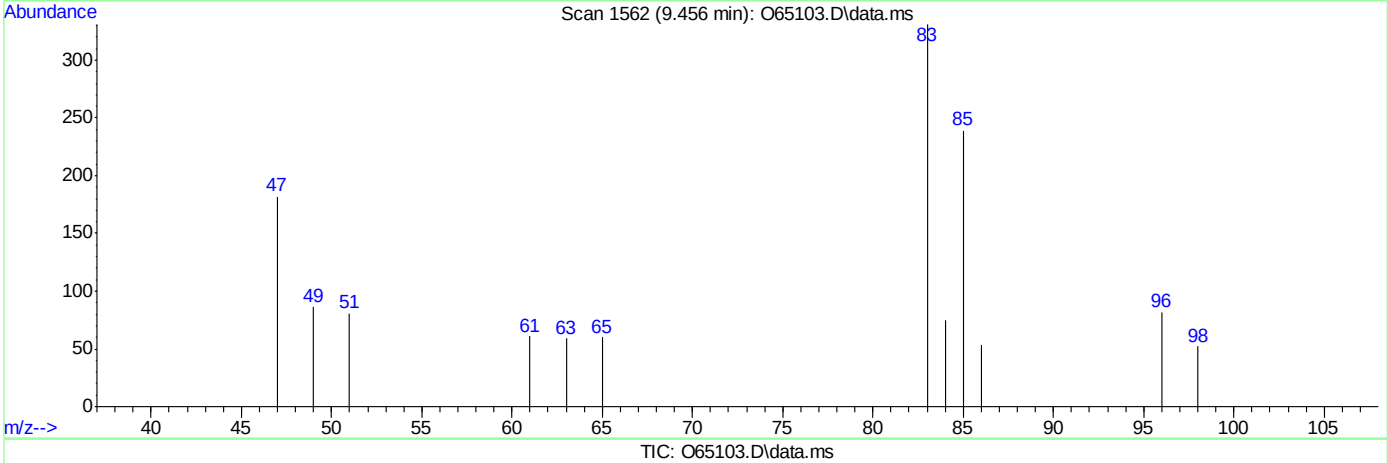
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65103.D
Acq On : 10 Sep 2021 10:46 pm
Operator : charleng
Sample : FA88620-17 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 09:24:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65103.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.15ug/L

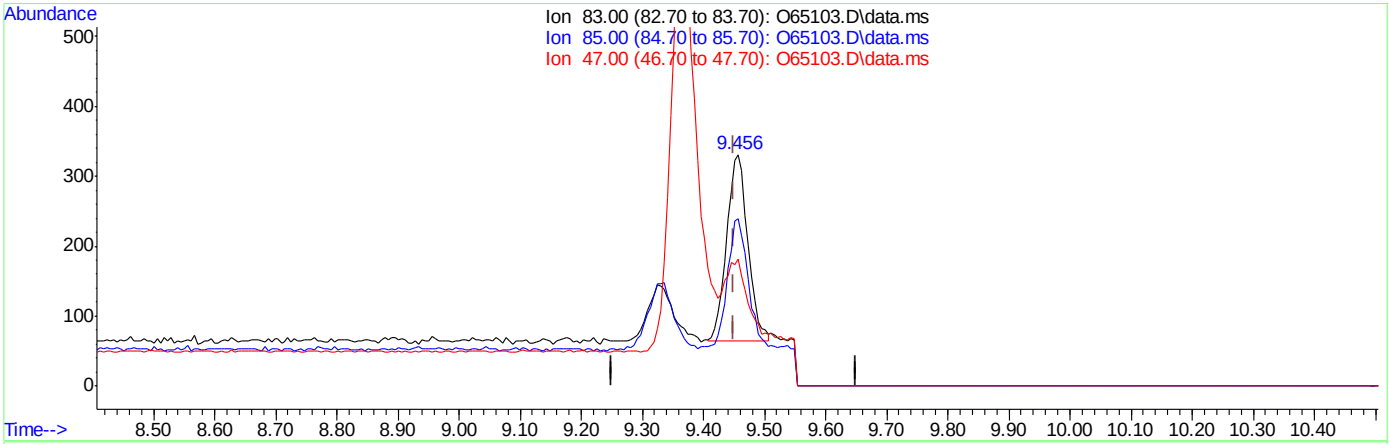
response 1213

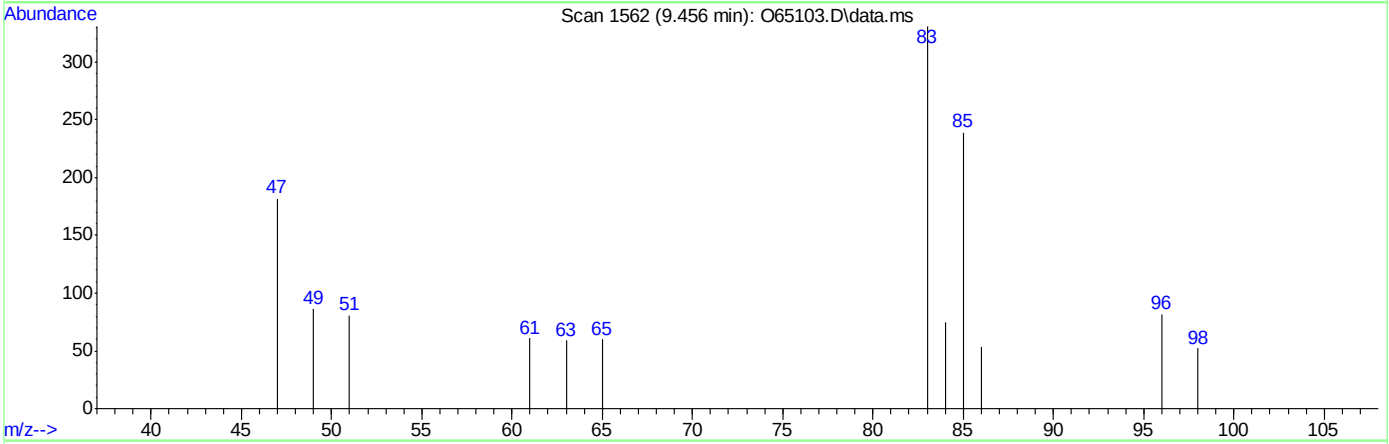
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	72.21
47.00	35.10	54.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65103.D
Acq On : 10 Sep 2021 10:46 pm
Operator : charleng
Sample : FA88620-17 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 09:24:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65103.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.08ug/L m

response 636

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	72.21
47.00	35.10	54.98
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:37:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

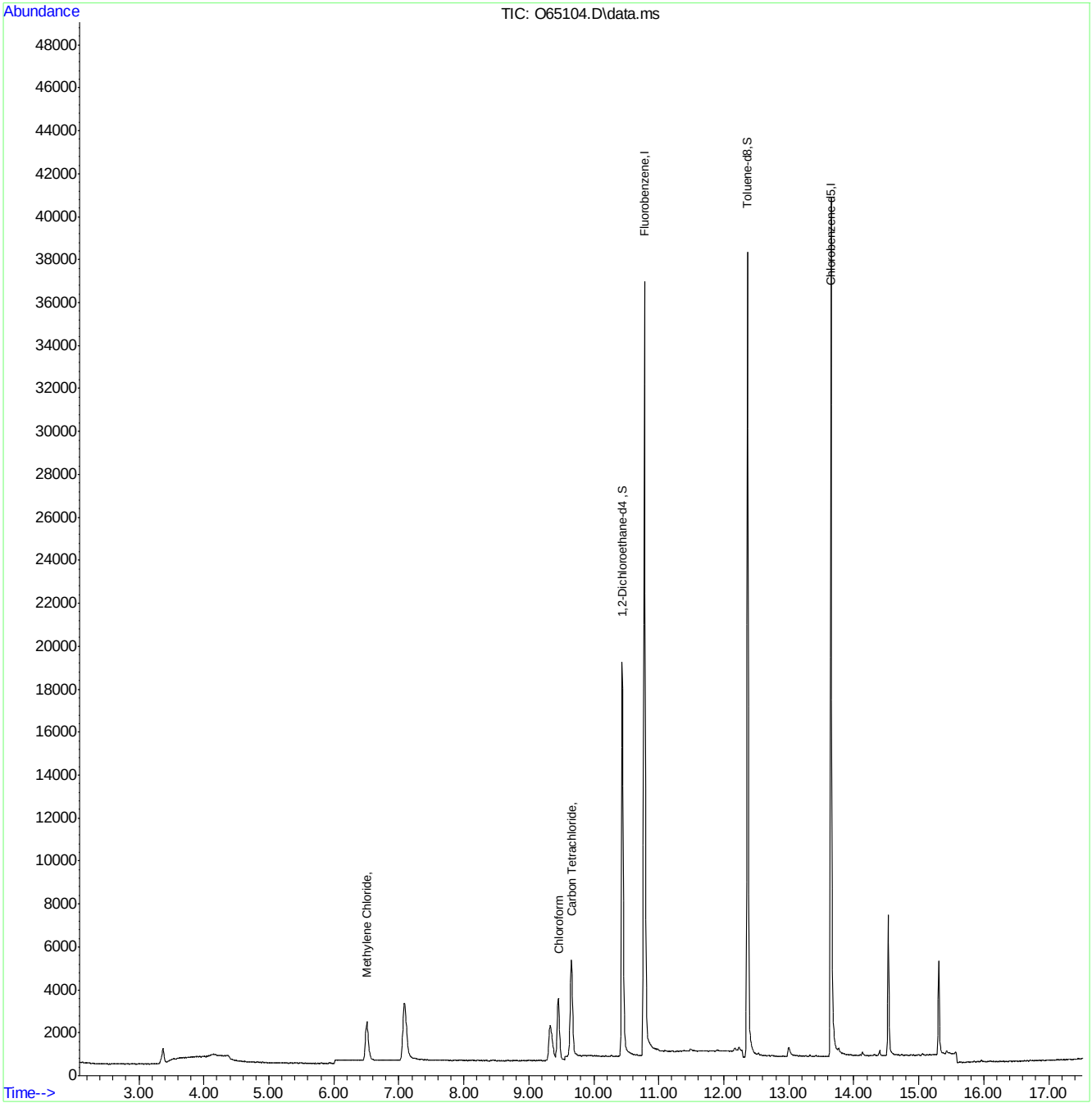
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42039	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28539	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17714	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	33623	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	2260	0.26	ug/L	93
9) Chloroform	9.456	83	3308m	0.41	ug/L	
10) Carbon Tetrachloride	9.657	117	4161m	0.89	ug/L	

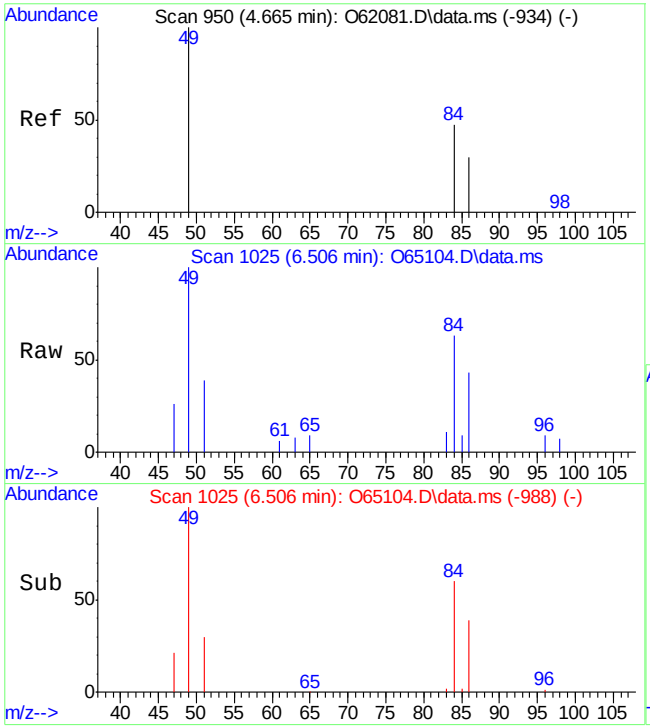
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:37:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

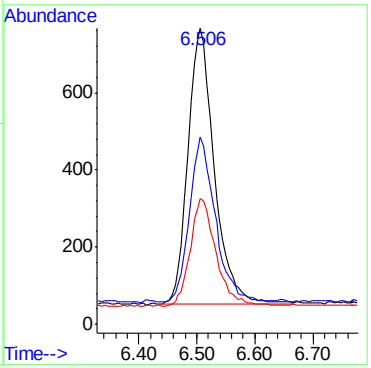


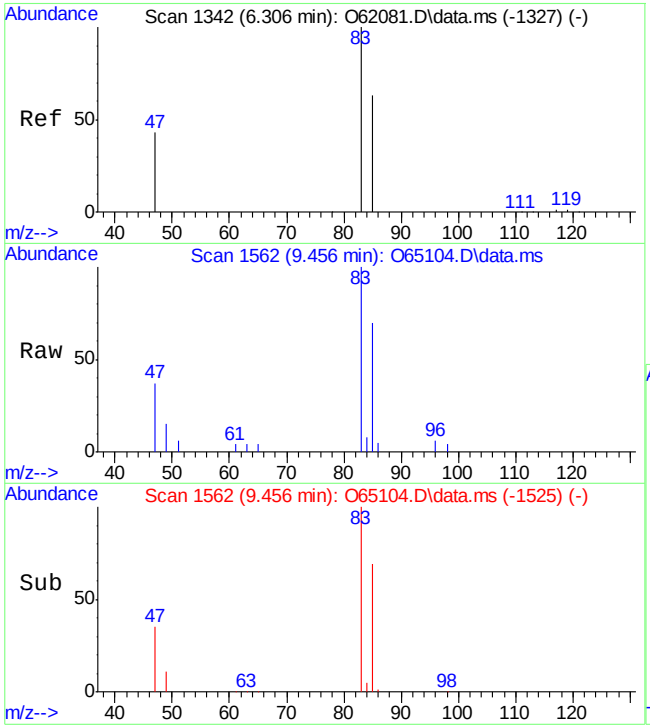


#5
Methylene Chloride
Concen: 0.26 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65104.D
Acq: 10 Sep 2021 11:09 pm

Tgt Ion: 49 Resp: 2260

Ion	Ratio	Lower	Upper
49	100		
84	59.7	35.5	95.5
86	39.2	12.8	72.8

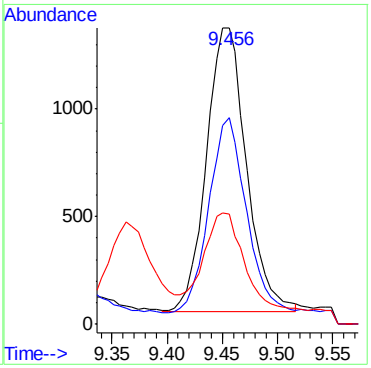


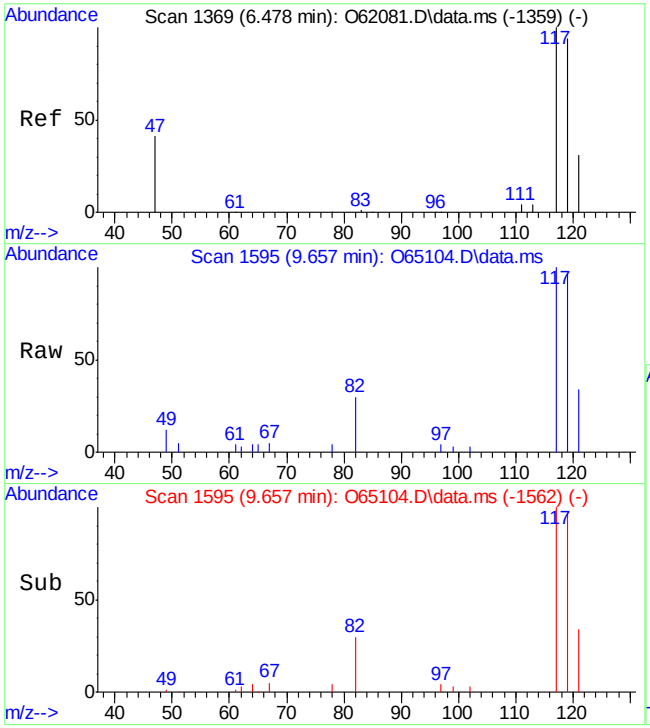


#9
Chloroform
Concen: 0.41 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65104.D
Acq: 10 Sep 2021 11:09 pm

Tgt Ion: 83 Resp: 3308

Ion	Ratio	Lower	Upper
83	100		
85	69.6	33.7	93.7
47	37.0	5.1	65.1

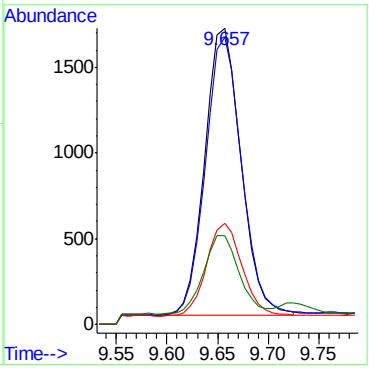




#10
Carbon Tetrachloride
Concen: 0.89 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. 0.001 min
Lab File: O65104.D
Acq: 10 Sep 2021 11:09 pm

Tgt Ion:117 Resp: 4161

Ion	Ratio	Lower	Upper
117	100		
119	97.1	68.2	128.2
121	34.2	1.1	61.1
82	30.0	0.0	54.2



Manual Integration Approval Summary

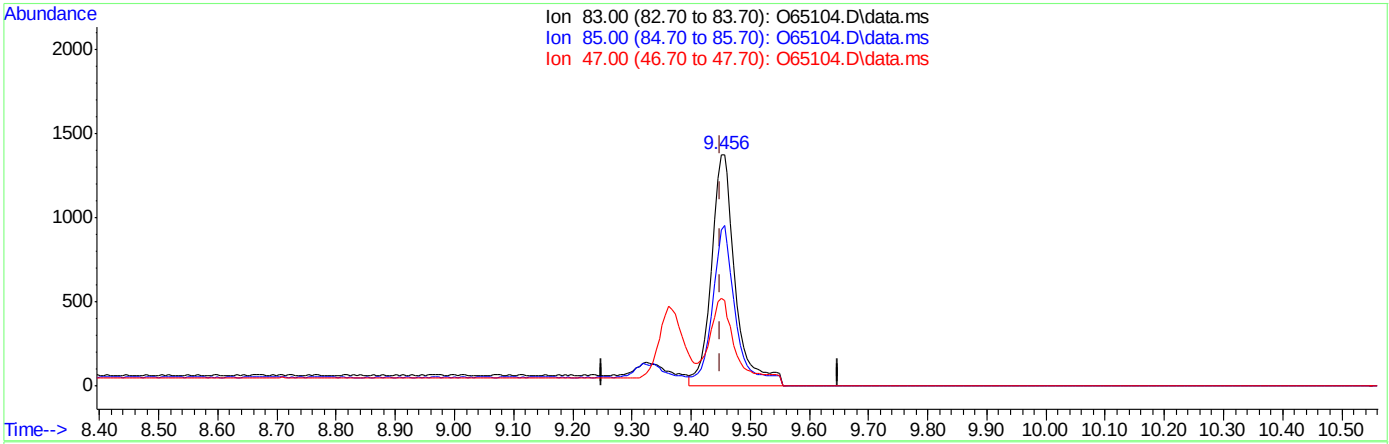
Sample Number: FA88620-18
Lab FileID: O65104.D
Injection Time: 09/10/21 23:09
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 09:45 Charlene Gonzalez
Supervisor approved: 09/13/21 10:10 Chelsea VanDenBurg

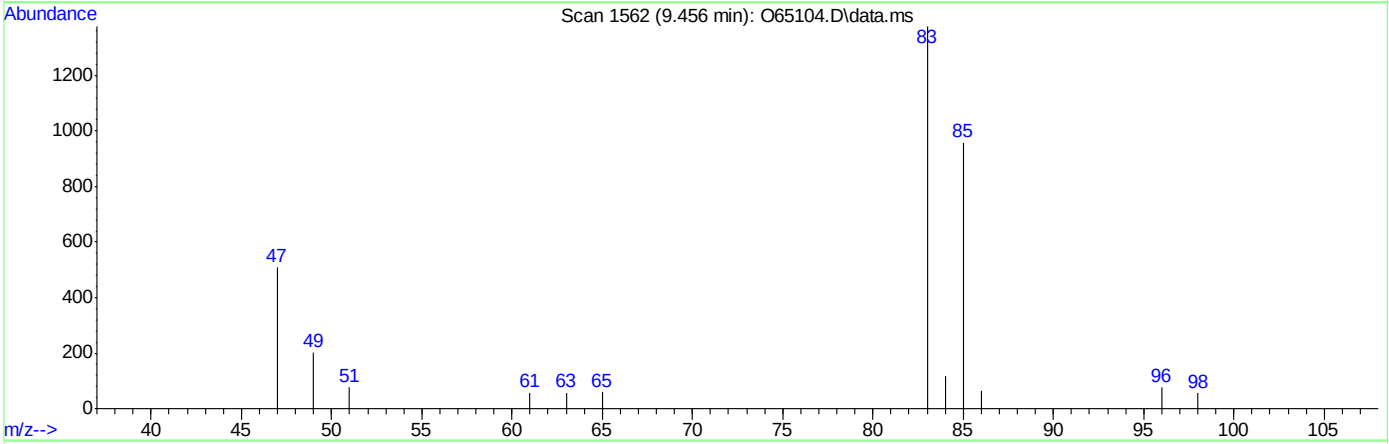
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:24:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65104.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.49ug/L

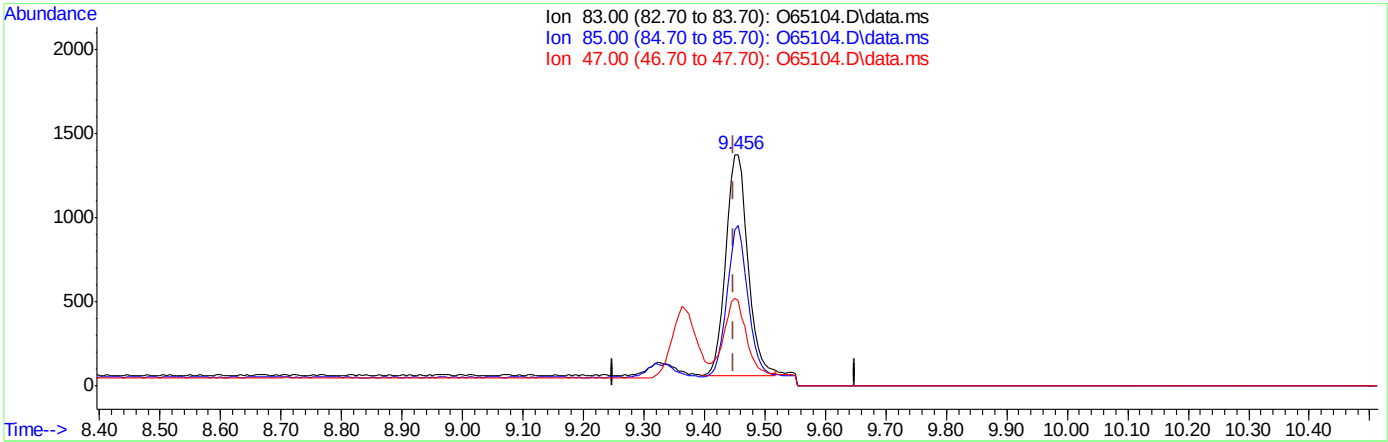
response 3931

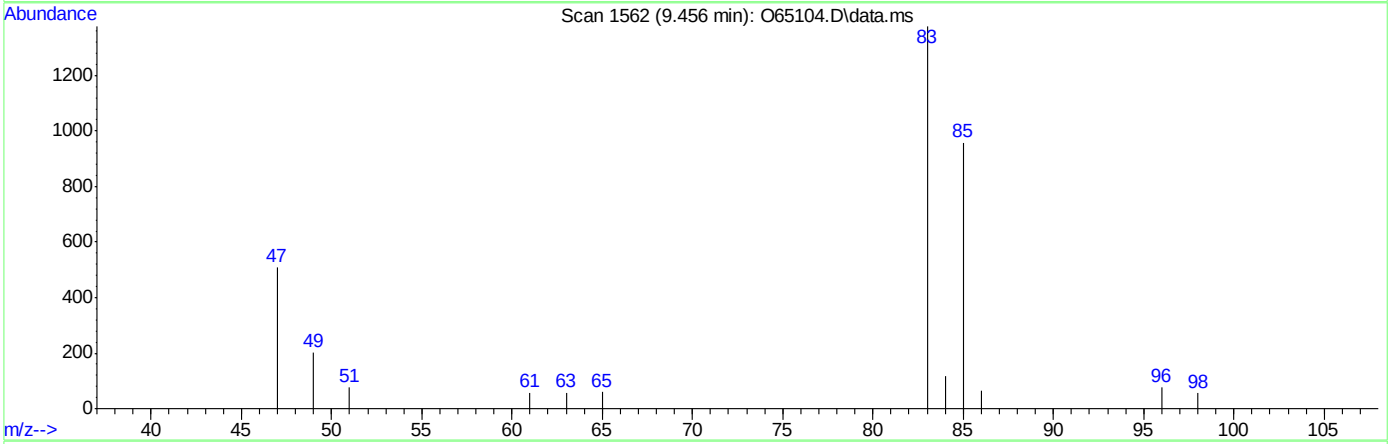
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	69.57
47.00	35.10	37.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:24:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65104.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.41ug/L m

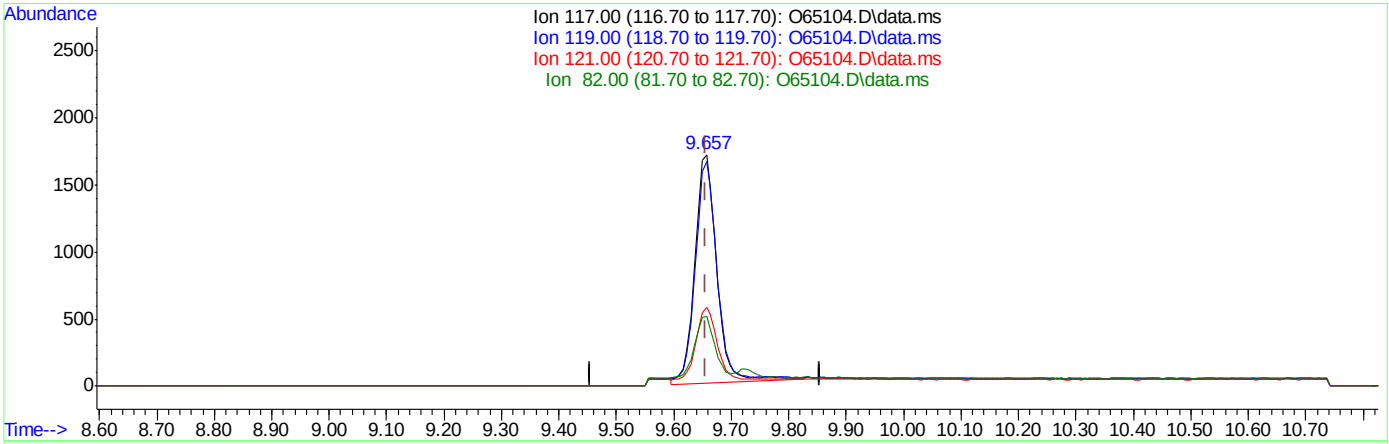
response 3308

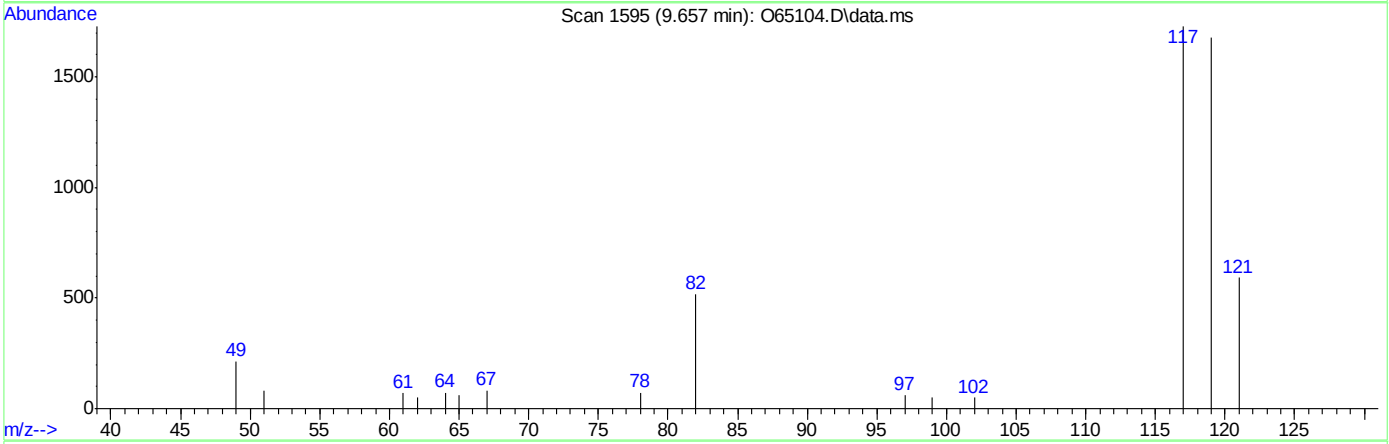
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	69.57
47.00	35.10	37.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:24:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65104.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.96ug/L

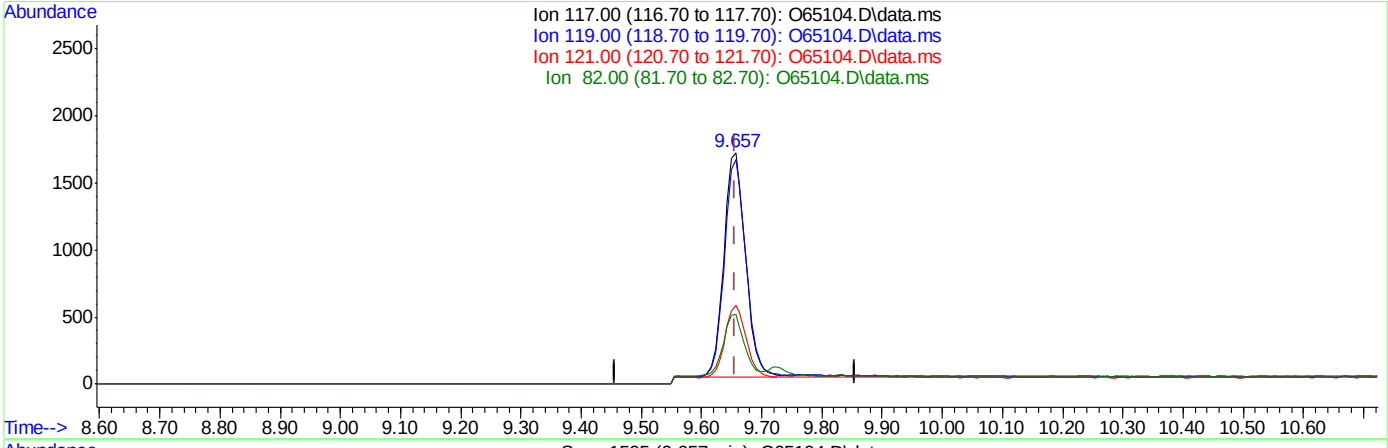
response 4511

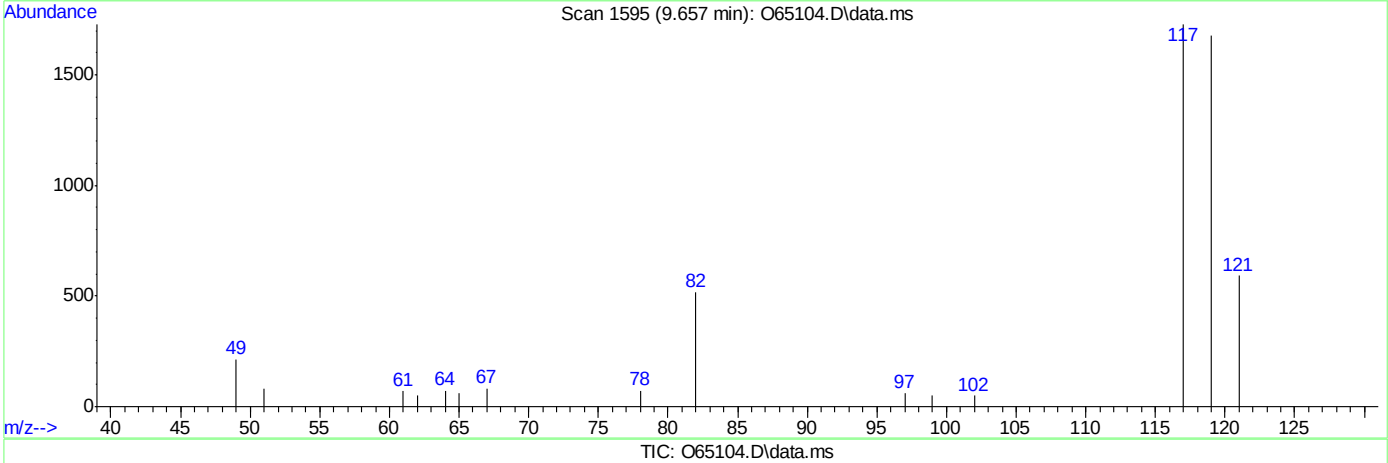
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.54
121.00	31.10	32.42
82.00	24.20	27.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65104.D
Acq On : 10 Sep 2021 11:09 pm
Operator : charleng
Sample : FA88620-18 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 09:24:13 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65104.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.89ug/L m

response 4161

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.11
121.00	31.10	34.20
82.00	24.20	29.98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65105.D
Acq On : 10 Sep 2021 11:31 pm
Operator : charleng
Sample : FA88620-19 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 09:37:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

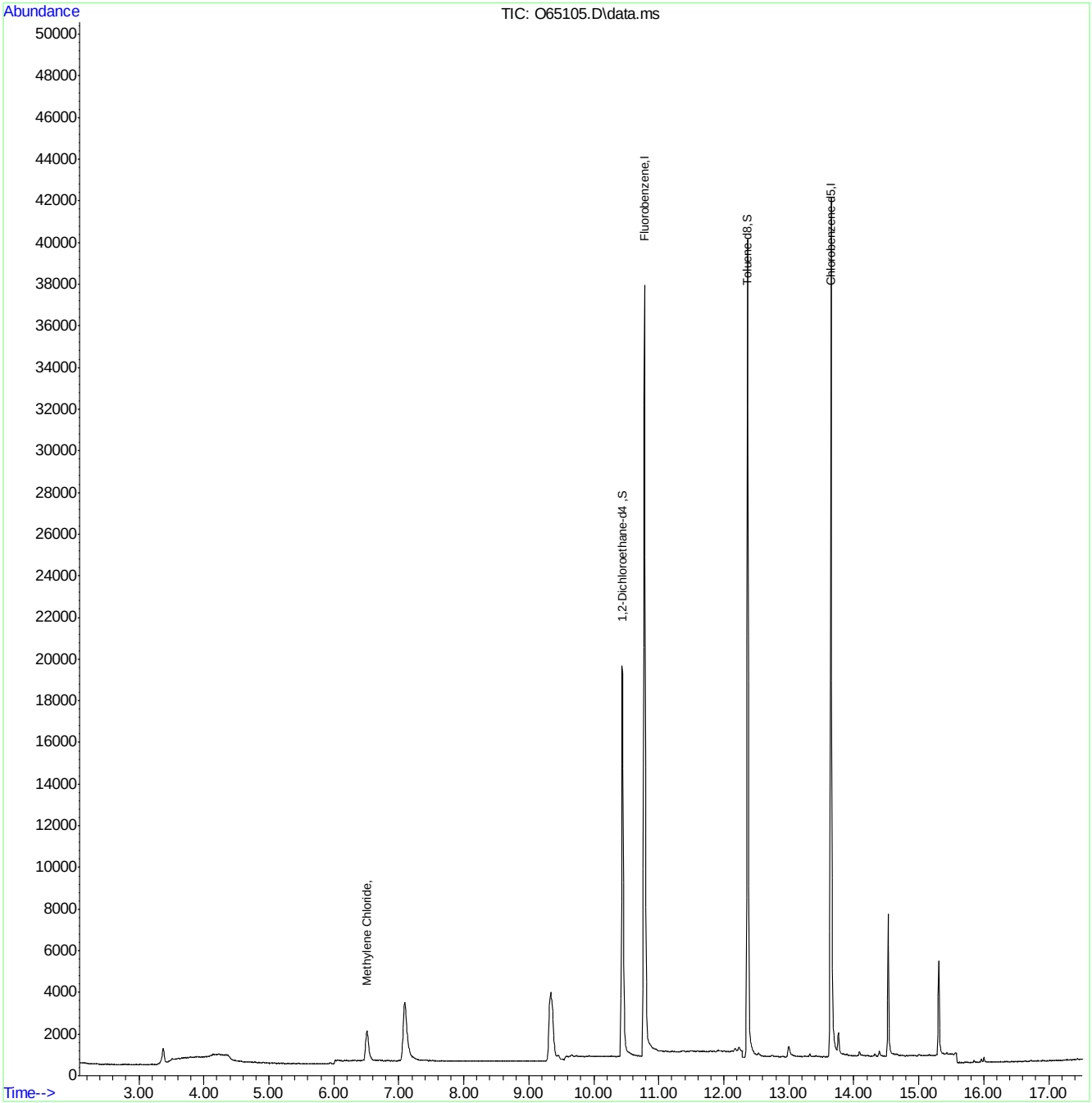
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43441	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29618	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18333	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	34986	4.84	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	1908	0.21	ug/L	87

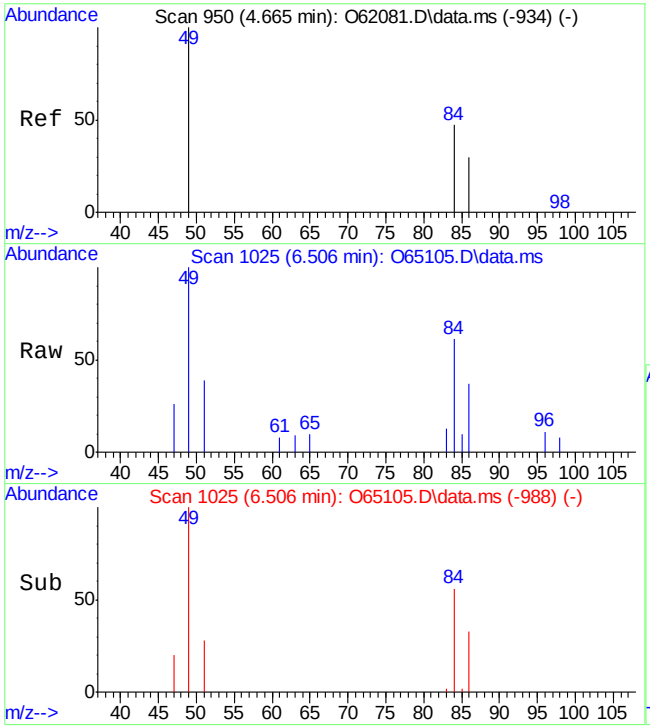
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65105.D
Acq On : 10 Sep 2021 11:31 pm
Operator : charleng
Sample : FA88620-19 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 09:37:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

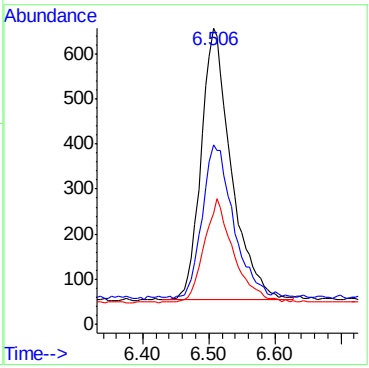




#5
Methylene Chloride
Concen: 0.21 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65105.D
Acq: 10 Sep 2021 11:31 pm

Tgt Ion: 49 Resp: 1908

Ion	Ratio	Lower	Upper
49	100		
84	56.2	35.5	95.5
86	32.5	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65839.D
Acq On : 10 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : mb
Misc : MS49753,VZ2590,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:22:50 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

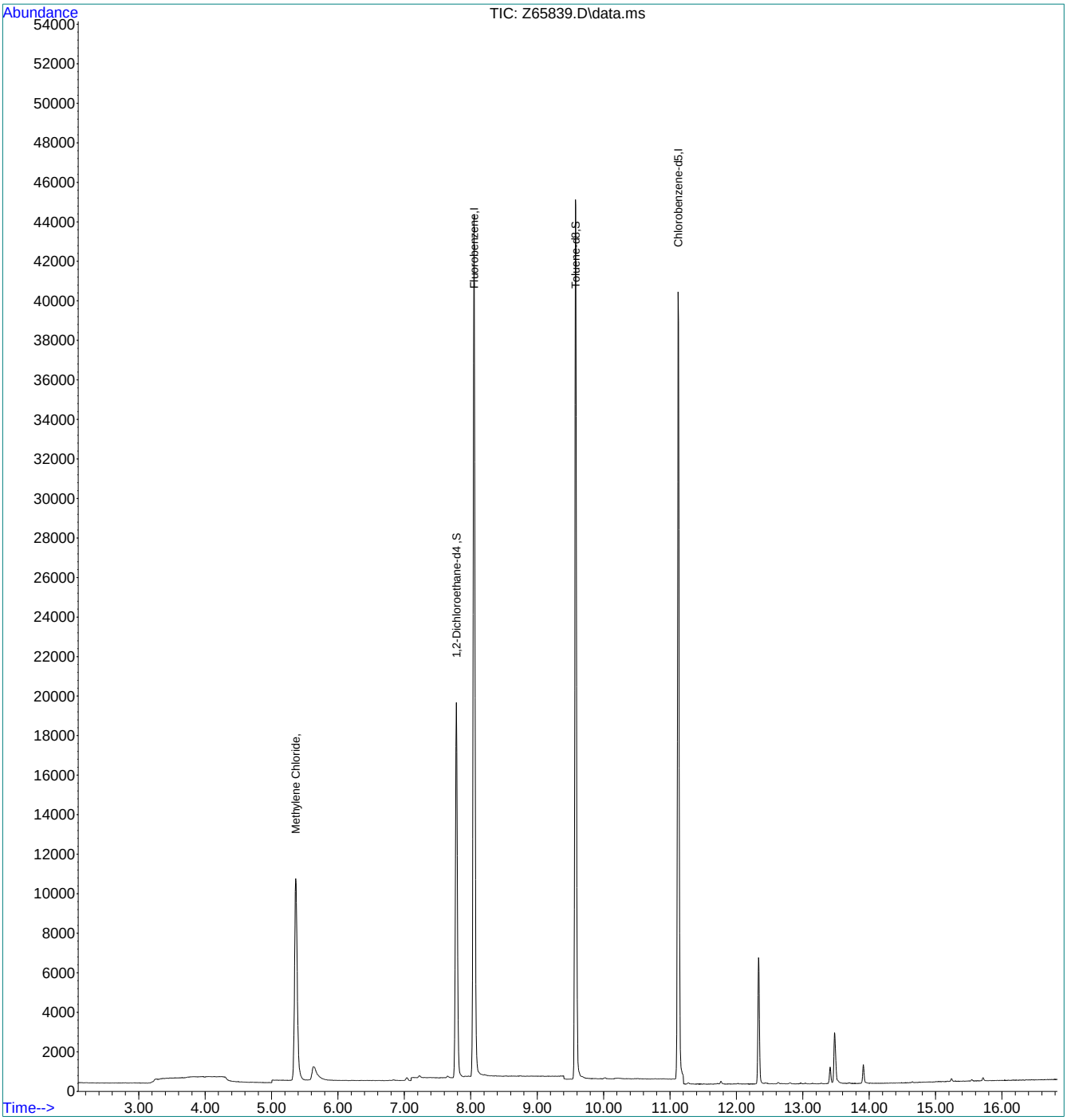
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	53250	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40565	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	18532	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	9.576	98	45274	4.61	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	9766	1.22	ug/L	# 61

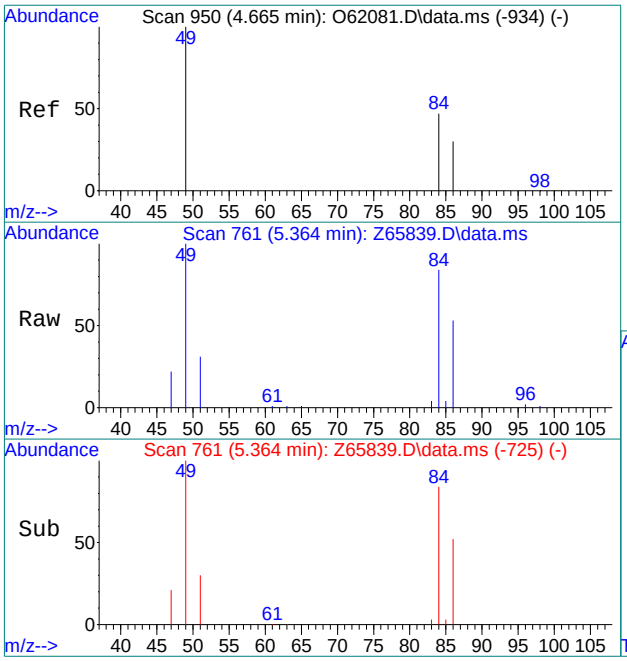
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65839.D
Acq On : 10 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : mb
Misc : MS49753,VZ2590,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:22:50 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

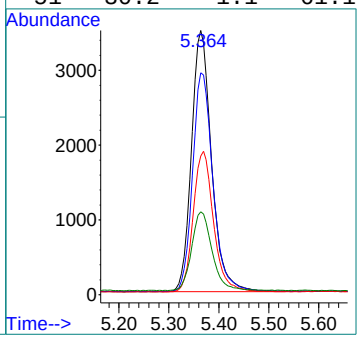




#5
Methylene Chloride
Concen: 1.22 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65839.D
Acq: 10 Sep 2021 3:29 pm

Tgt Ion: 49 Resp: 9766

Ion	Ratio	Lower	Upper
49	100		
84	83.6	13.9	73.9#
86	52.0	0.0	58.0
51	30.2	1.1	61.1



7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65086.D
Acq On : 10 Sep 2021 4:13 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:31:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

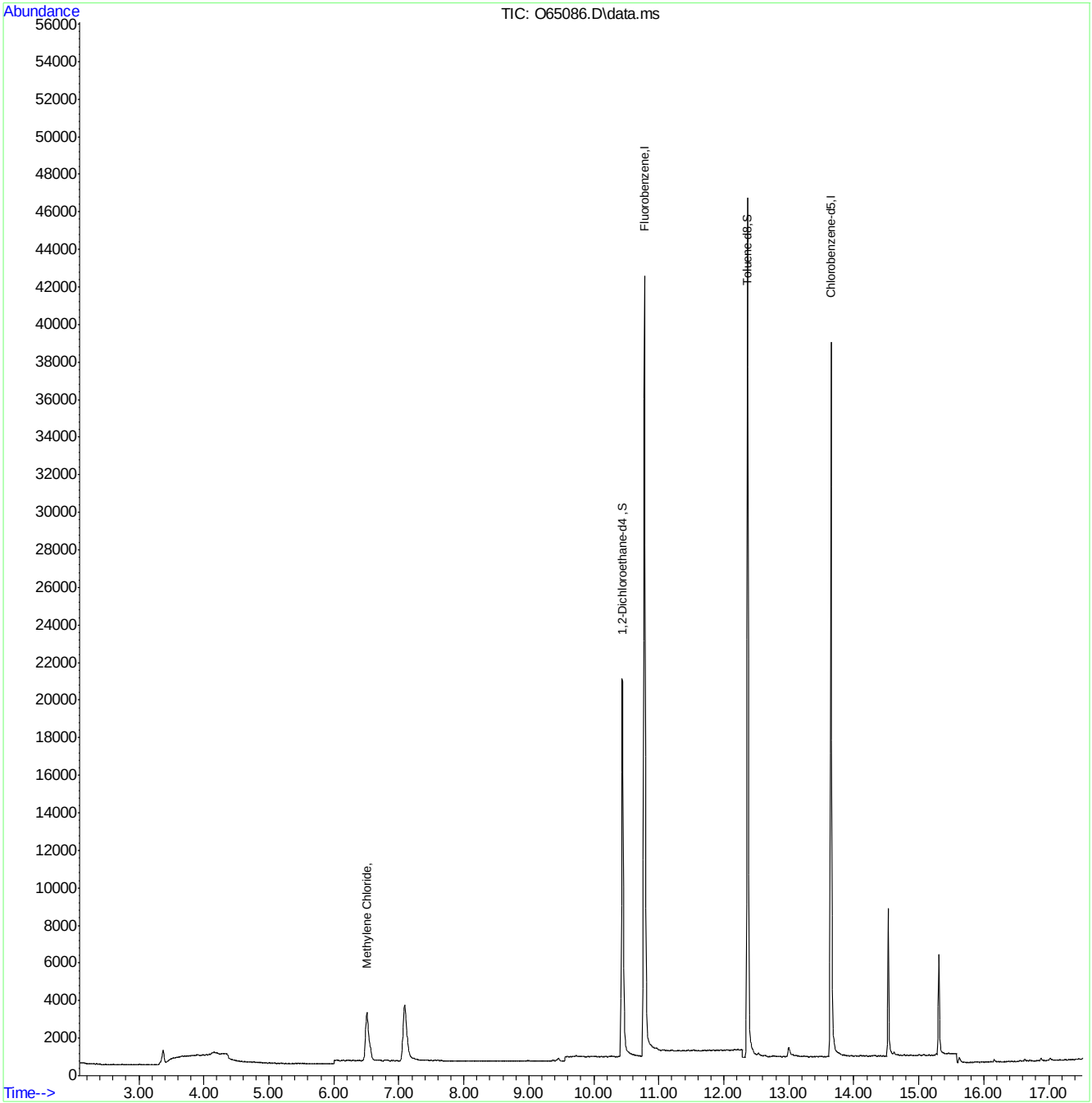
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48885	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33115	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20036	5.10	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.00%			
19) Toluene-d8	12.367	98	40124	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3824	0.37	ug/L	92

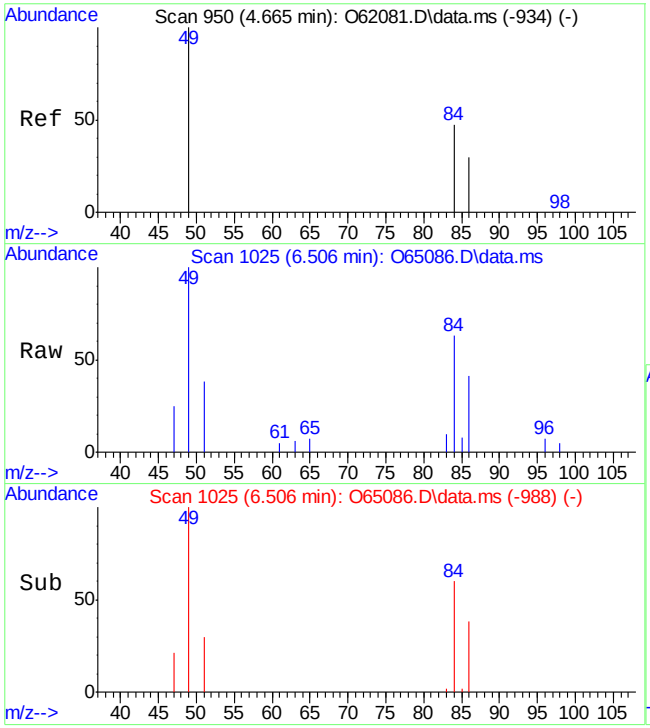
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65086.D
Acq On : 10 Sep 2021 4:13 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:31:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

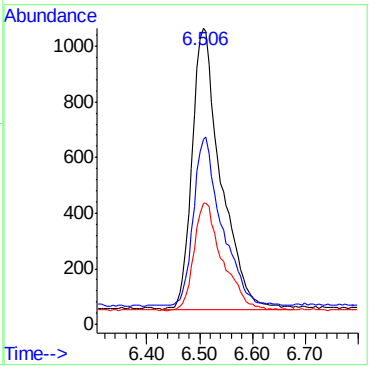




#5
Methylene Chloride
Concen: 0.37 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65086.D
Acq: 10 Sep 2021 4:13 pm

Tgt Ion: 49 Resp: 3824

Ion	Ratio	Lower	Upper
49	100		
84	59.3	35.5	95.5
86	38.2	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65838.D
Acq On : 10 Sep 2021 3:09 pm
Operator : CHARLENG
Sample : bs
Misc : MS49753,VZ2590,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 15:41:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

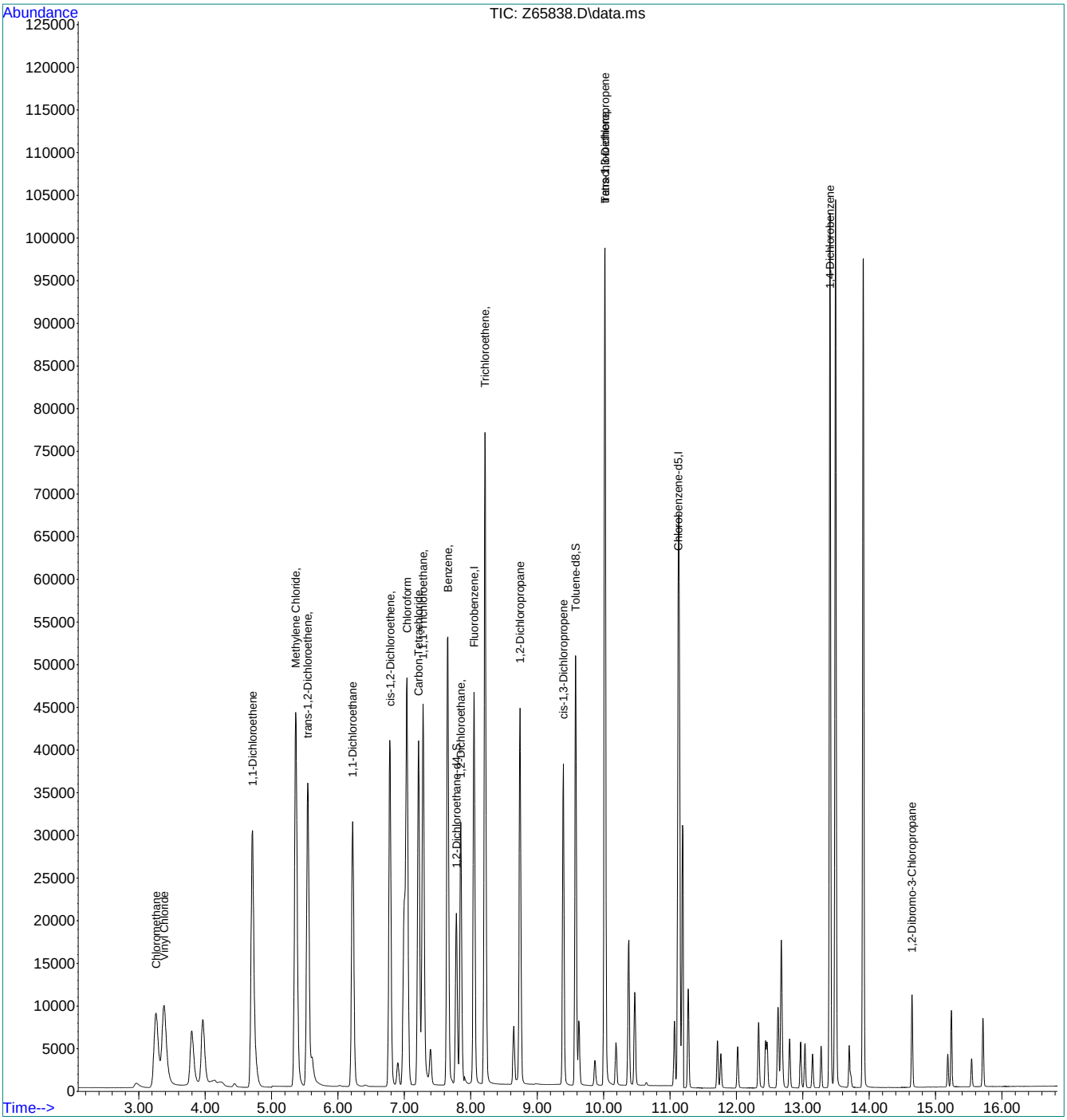
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56276	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	46836	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19174	5.04	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.80%				
19) Toluene-d8	9.576	98	50718	4.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	29964	5.08	ug/L		97
3) Chloromethane	3.263	50	30137	4.94	ug/L		99
4) 1,1-Dichloroethene	4.713	61	37506	5.06	ug/L		99
5) Methylene Chloride	5.364	49	41542	4.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	34879	5.03	ug/L		78
7) 1,1-Dichloroethane	6.221	63	43087	5.35	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	27147	5.11	ug/L	#	70
9) Chloroform	7.039	83	49698	5.04	ug/L		86
10) Carbon Tetrachloride	7.213	117	34326	5.21	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	41475	5.16	ug/L		87
12) Benzene	7.655	78	89951	4.97	ug/L		79
14) 1,2-Dichloroethane	7.851	62	31533	4.85	ug/L		85
15) Trichloroethene	8.214	95	27847	5.31	ug/L		92
16) 1,2-Dichloropropane	8.742	63	22890	5.03	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	32478	4.45	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	29189	4.21	ug/L	#	72
21) Tetrachloroethene	10.022	166	31088	5.52	ug/L	#	98
22) 1,4-Dichlorobenzene	13.410	146	62956	5.18	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3773	3.85	ug/L	#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65838.D
Acq On : 10 Sep 2021 3:09 pm
Operator : CHARLENG
Sample : bs
Misc : MS49753,VZ2590,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 15:41:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65085.D
Acq On : 10 Sep 2021 3:50 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:10:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

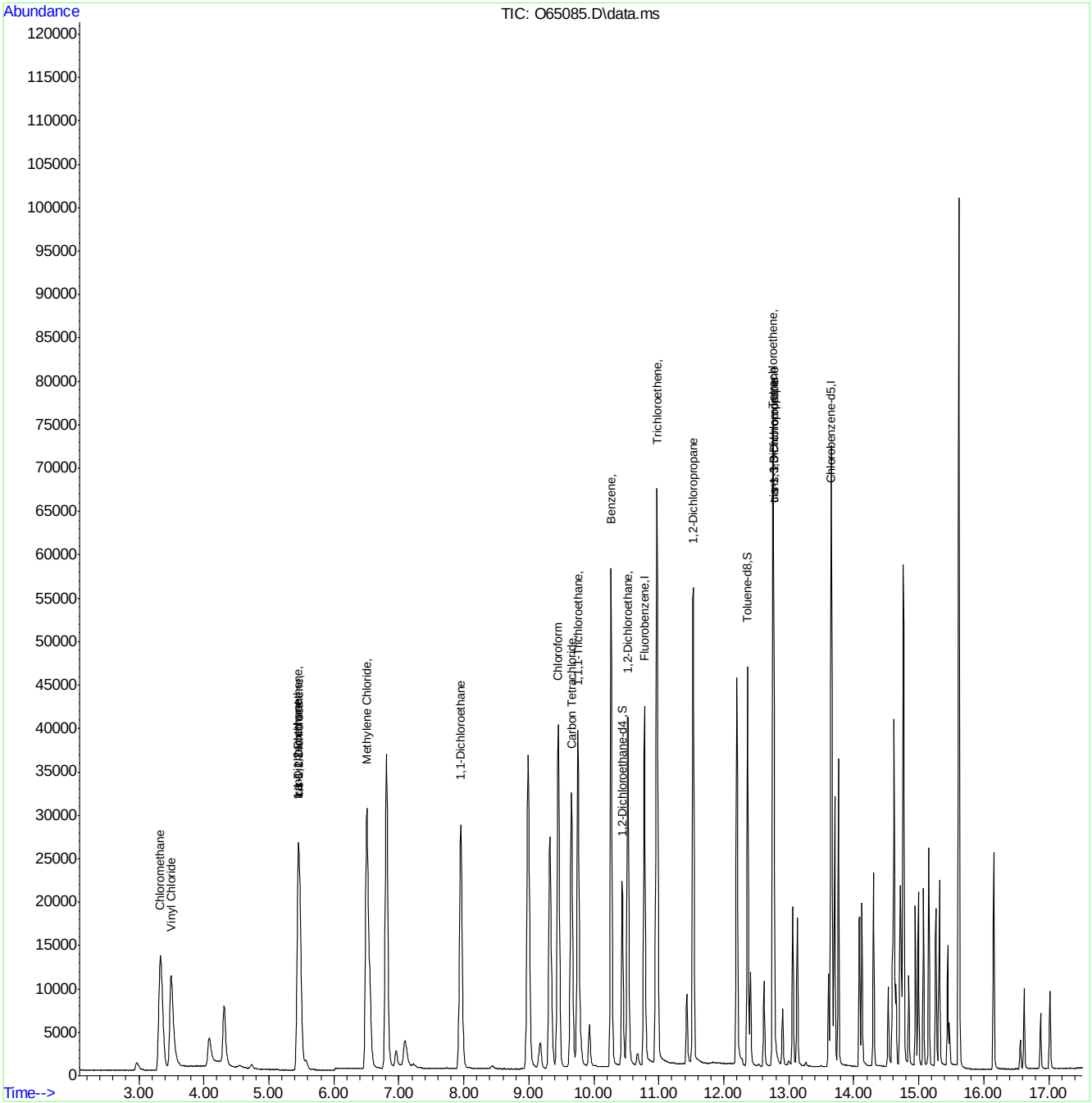
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47319	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31720	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18977	4.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.80%			
19) Toluene-d8	12.367	98	40186	5.19	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 103.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	30053	4.80	ug/L	98
3) Chloromethane	3.331	50	39594	5.14	ug/L	98
4) 1,1-Dichloroethene	5.452	61	45100	5.28	ug/L	81
5) Methylene Chloride	6.506	49	43510	4.51	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	45100	5.28	ug/L	77
7) 1,1-Dichloroethane	7.951	63	49315	5.36	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	22281	5.28	ug/L	89
9) Chloroform	9.450	83	45697	5.02	ug/L	98
10) Carbon Tetrachloride	9.657	117	29341	5.56	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	38364	5.22	ug/L	96
12) Benzene	10.267	78	87022	5.14	ug/L	100
14) 1,2-Dichloroethane	10.525	62	42812	4.96	ug/L	92
15) Trichloroethene	10.974	95	26252	5.19	ug/L	96
16) 1,2-Dichloropropane	11.531	63	26174	5.05	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	30394	5.18	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	30394	5.33	ug/L	98
21) Tetrachloroethene	12.752	166	23516	5.42	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65085.D
Acq On : 10 Sep 2021 3:50 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:10:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65860.D
Acq On : 10 Sep 2021 10:37 pm
Operator : CHARLENG
Sample : FA88606-3MS
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 08:25:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

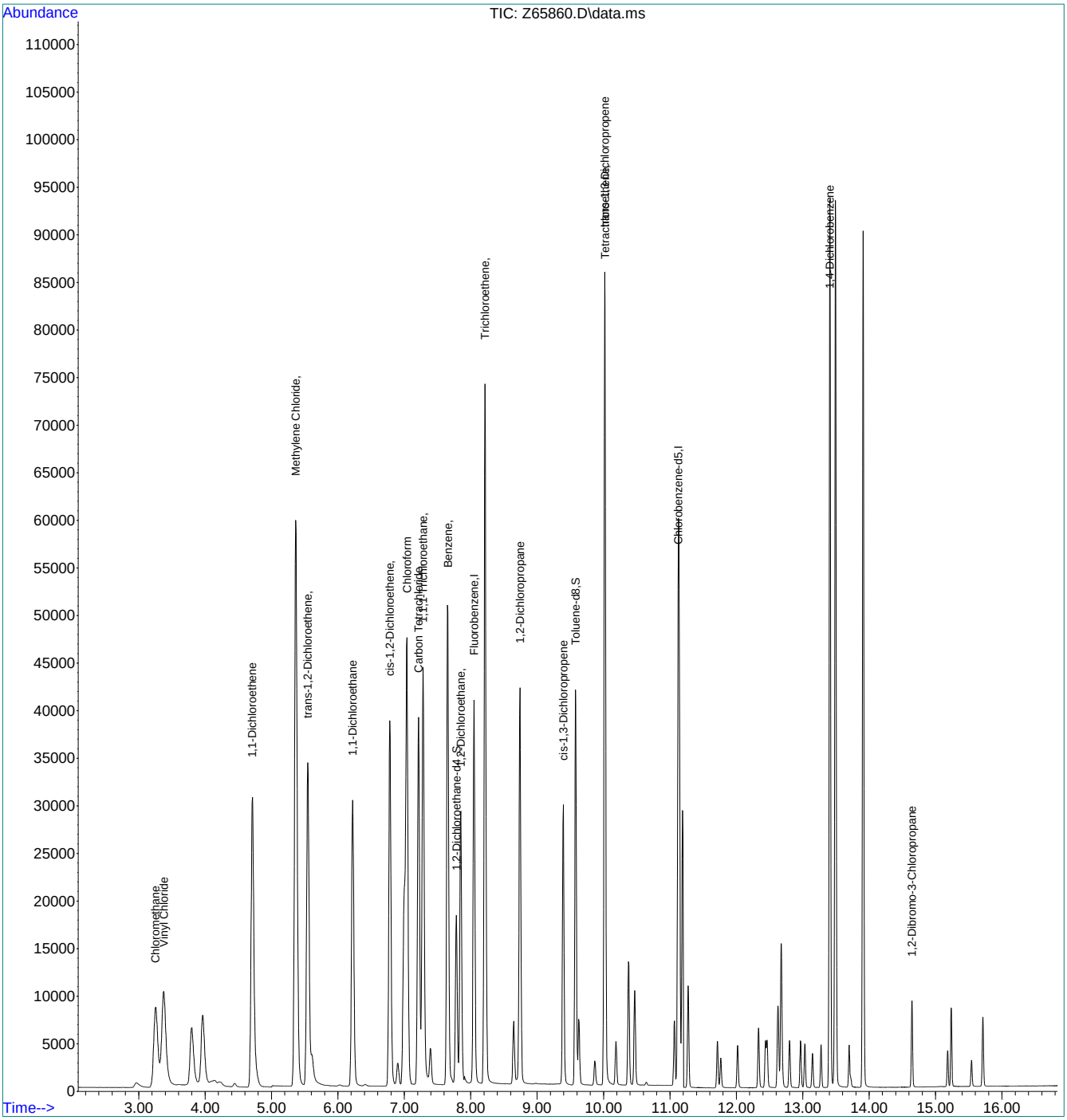
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	48704	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	40059	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	16804	5.11	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%				
19) Toluene-d8	9.576	98	41564	4.29	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 85.80%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	28044	5.49	ug/L		97
3) Chloromethane	3.251	50	28646	5.42	ug/L		98
4) 1,1-Dichloroethene	4.708	61	35251	5.49	ug/L		99
5) Methylene Chloride	5.364	49	54718	7.45	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	32812	5.46	ug/L		76
7) 1,1-Dichloroethane	6.221	63	41351	5.93	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	25657	5.58	ug/L	#	73
9) Chloroform	7.039	83	48848	5.72	ug/L		86
10) Carbon Tetrachloride	7.213	117	32635	5.72	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	40265	5.79	ug/L		87
12) Benzene	7.655	78	85667	5.46	ug/L		79
14) 1,2-Dichloroethane	7.851	62	29532	5.25	ug/L		86
15) Trichloroethene	8.214	95	26538	5.84	ug/L		91
16) 1,2-Dichloropropane	8.742	63	21746	5.53	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	25485	4.04	ug/L	#	66
20) trans-1,3-Dichloropropene	10.017	75	22512	3.81	ug/L	#	72
21) Tetrachloroethene	10.022	166	28293	5.87	ug/L	#	99
22) 1,4-Dichlorobenzene	13.407	146	57197	5.51	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3123	3.73	ug/L	#	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65860.D
Acq On : 10 Sep 2021 10:37 pm
Operator : CHARLENG
Sample : FA88606-3MS
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 08:25:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65861.D
Acq On : 10 Sep 2021 10:57 pm
Operator : CHARLENG
Sample : FA88606-3MSD
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 08:25:34 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

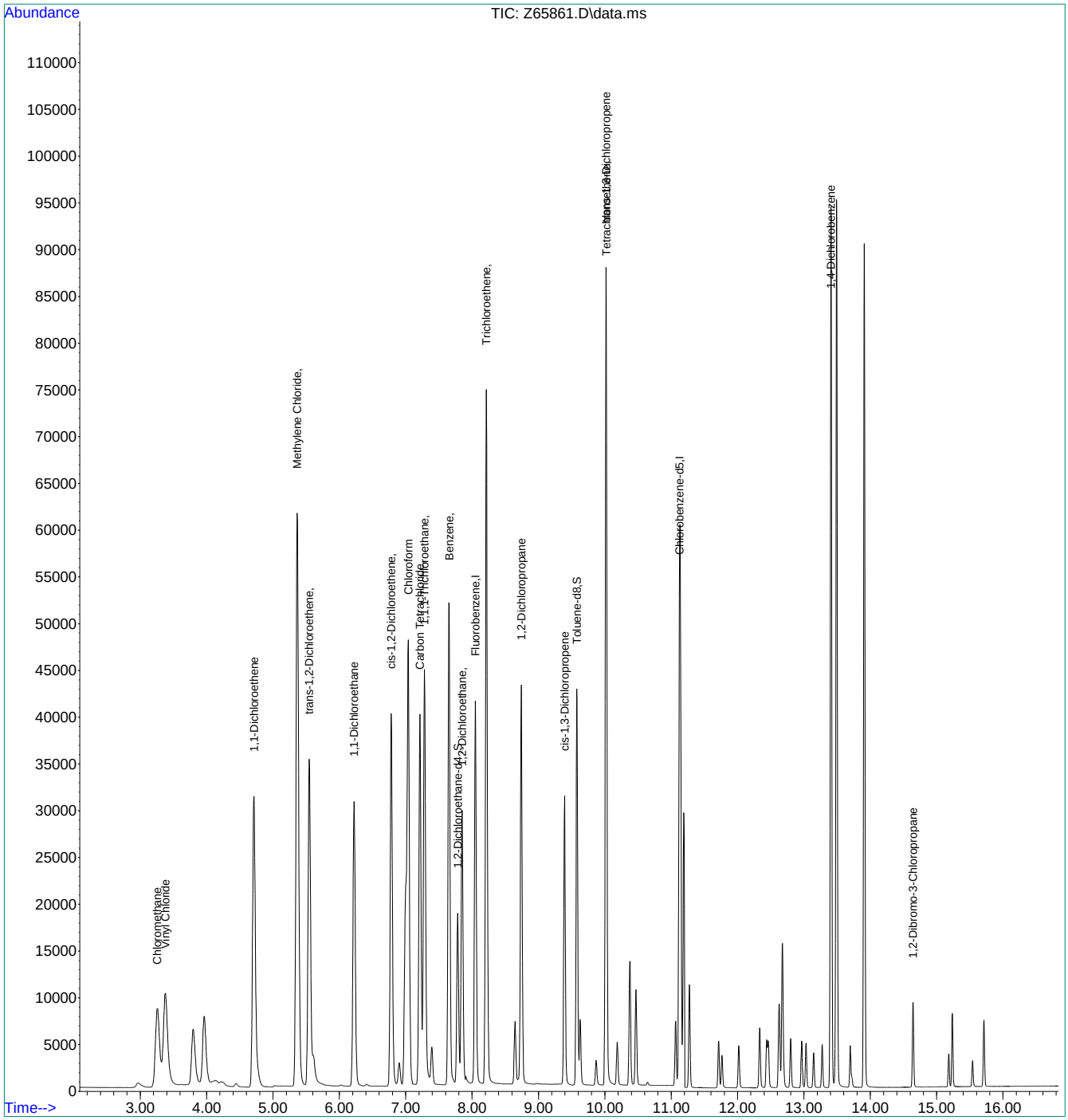
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	49981	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	40502	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17244	5.11	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%				
19) Toluene-d8	9.576	98	42414	4.33	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 86.60%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	28610	5.46	ug/L		97
3) Chloromethane	3.255	50	29051	5.35	ug/L		99
4) 1,1-Dichloroethene	4.713	61	36370	5.52	ug/L		99
5) Methylene Chloride	5.364	49	56901	7.54	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	33732	5.47	ug/L		77
7) 1,1-Dichloroethane	6.221	63	42309	5.92	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	26393	5.60	ug/L	#	73
9) Chloroform	7.039	83	49842	5.69	ug/L		87
10) Carbon Tetrachloride	7.213	117	33218	5.67	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	41097	5.76	ug/L		87
12) Benzene	7.655	78	87334	5.43	ug/L		78
14) 1,2-Dichloroethane	7.851	62	30208	5.24	ug/L		86
15) Trichloroethene	8.214	95	27045	5.80	ug/L		91
16) 1,2-Dichloropropane	8.742	63	22009	5.45	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	26324	4.07	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	23417	3.92	ug/L	#	73
21) Tetrachloroethene	10.022	166	28415	5.83	ug/L	#	98
22) 1,4-Dichlorobenzene	13.407	146	58058	5.53	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3228	3.81	ug/L	#	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65861.D
Acq On : 10 Sep 2021 10:57 pm
Operator : CHARLENG
Sample : FA88606-3MSD
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 08:25:34 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65106.D
Acq On : 10 Sep 2021 11:54 pm
Operator : charleng
Sample : FA88620-2MS Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 09:24:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

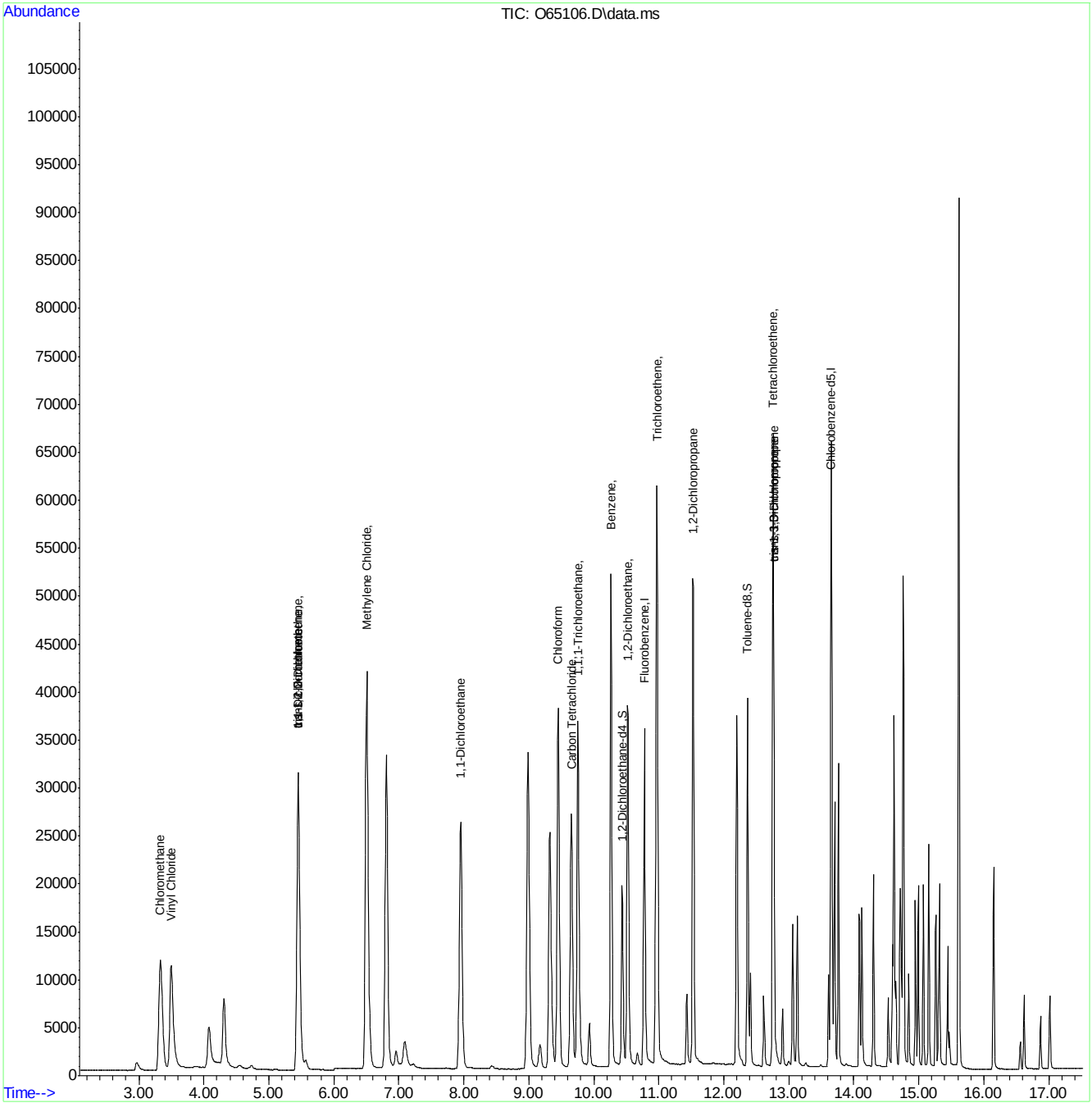
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40524	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27505	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16832	5.16	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.20%			
19) Toluene-d8	12.367	98	33060	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	27647	5.16	ug/L	99
3) Chloromethane	3.326	50	32391	4.91	ug/L	98
4) 1,1-Dichloroethene	5.452	61	42805	5.85	ug/L	82
5) Methylene Chloride	6.501	49	49660	6.08	ug/L	89
6) trans-1,2-Dichloroethene	5.452	61	42805	5.85	ug/L	78
7) 1,1-Dichloroethane	7.951	63	46214	5.87	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	20872	5.78	ug/L	90
9) Chloroform	9.450	83	42895	5.50	ug/L	98
10) Carbon Tetrachloride	9.657	117	24846	5.49	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	35040	5.57	ug/L	96
12) Benzene	10.267	78	80373	5.54	ug/L	100
14) 1,2-Dichloroethane	10.519	62	40247	5.44	ug/L	89
15) Trichloroethene	10.974	95	24326	5.62	ug/L	96
16) 1,2-Dichloropropane	11.525	63	24330	5.49	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	24050	4.79	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	24050	4.86	ug/L	97
21) Tetrachloroethene	12.752	166	21399	5.69	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65106.D
Acq On : 10 Sep 2021 11:54 pm
Operator : charleng
Sample : FA88620-2MS Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 09:24:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65107.D
Acq On : 11 Sep 2021 12:17 am
Operator : charleng
Sample : FA88620-2MSD Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 09:24:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

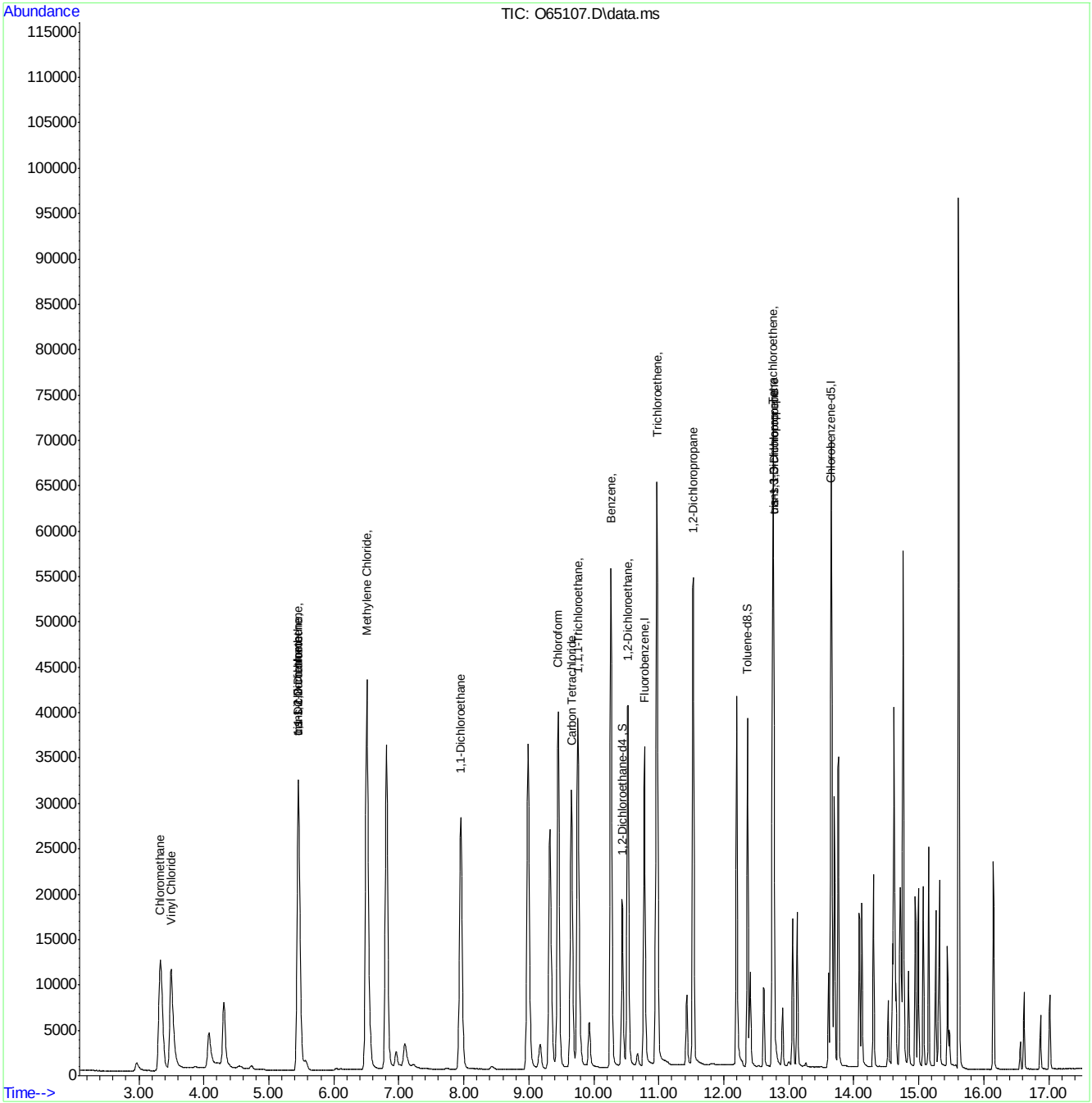
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40029	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27519	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16724	5.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.00%			
19) Toluene-d8	12.367	98	32973	4.91	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	28909	5.46	ug/L	99
3) Chloromethane	3.330	50	35145	5.39	ug/L	97
4) 1,1-Dichloroethene	5.452	61	44397	6.14	ug/L	82
5) Methylene Chloride	6.506	49	51836	6.44	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	44397	6.14	ug/L	78
7) 1,1-Dichloroethane	7.951	63	48810	6.27	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	21787	6.10	ug/L	90
9) Chloroform	9.450	83	44717	5.80	ug/L	98
10) Carbon Tetrachloride	9.657	117	28059	6.28	ug/L	99
11) 1,1,1-Trichloroethane	9.758	97	37031	5.96	ug/L	95
12) Benzene	10.267	78	84642	5.91	ug/L	99
14) 1,2-Dichloroethane	10.525	62	42383	5.80	ug/L	92
15) Trichloroethene	10.974	95	25730	6.02	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25716	5.87	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	28225	5.69	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	28225	5.70	ug/L	97
21) Tetrachloroethene	12.752	166	22644	6.02	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65107.D
Acq On : 11 Sep 2021 12:17 am
Operator : charleng
Sample : FA88620-2MSD Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 09:24:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

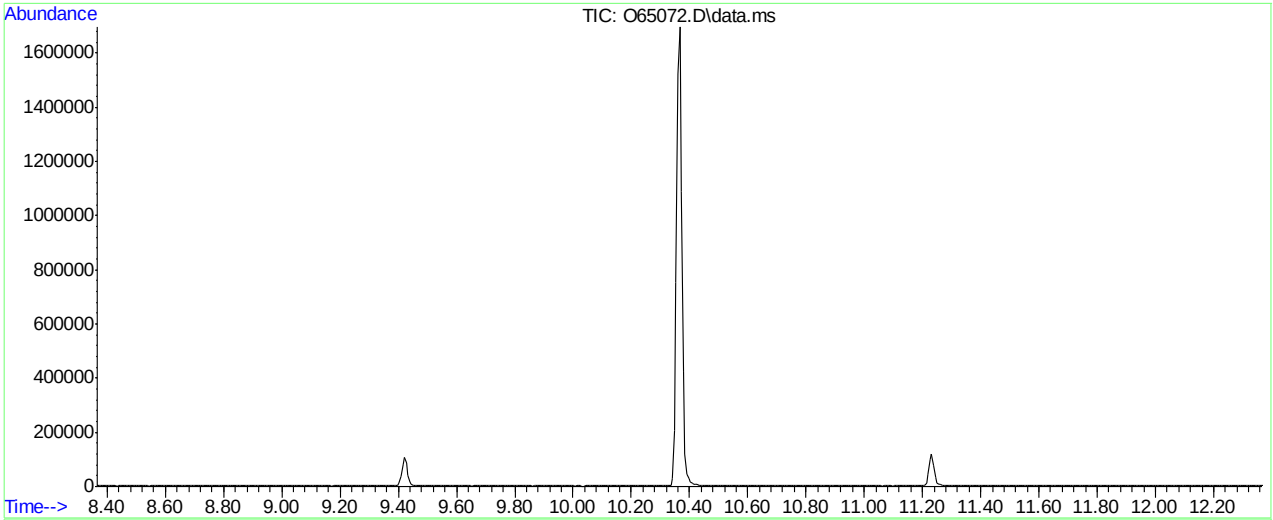


SIMCL-09-10-2021.M Sat Sep 11 09:46:32 2021 Page: 2

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-10\O65072.D Vial: 2
Acq On : 10 Sep 2021 10:49 am Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2552,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

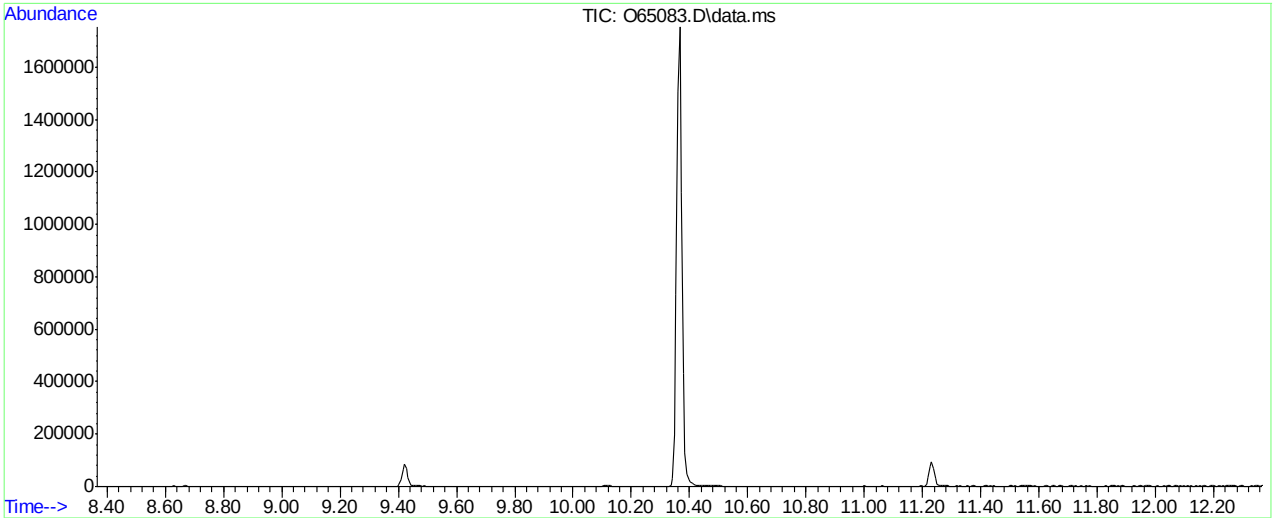
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	68112	PASS
75	95	30	60	48.0	145880	PASS
95	95	100	100	100.0	303808	PASS
96	95	5	9	6.6	20169	PASS
173	174	0.00	2	0.8	1908	PASS
174	95	50	100	75.1	228075	PASS
175	174	5	9	7.3	16729	PASS
176	174	95	101	97.6	222613	PASS
177	176	5	9	6.5	14528	PASS

O65072.D SIMCL-09-10-2021.M Fri Sep 10 14:06:31 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-10\O65083.D Vial: 2
Acq On : 10 Sep 2021 3:05 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

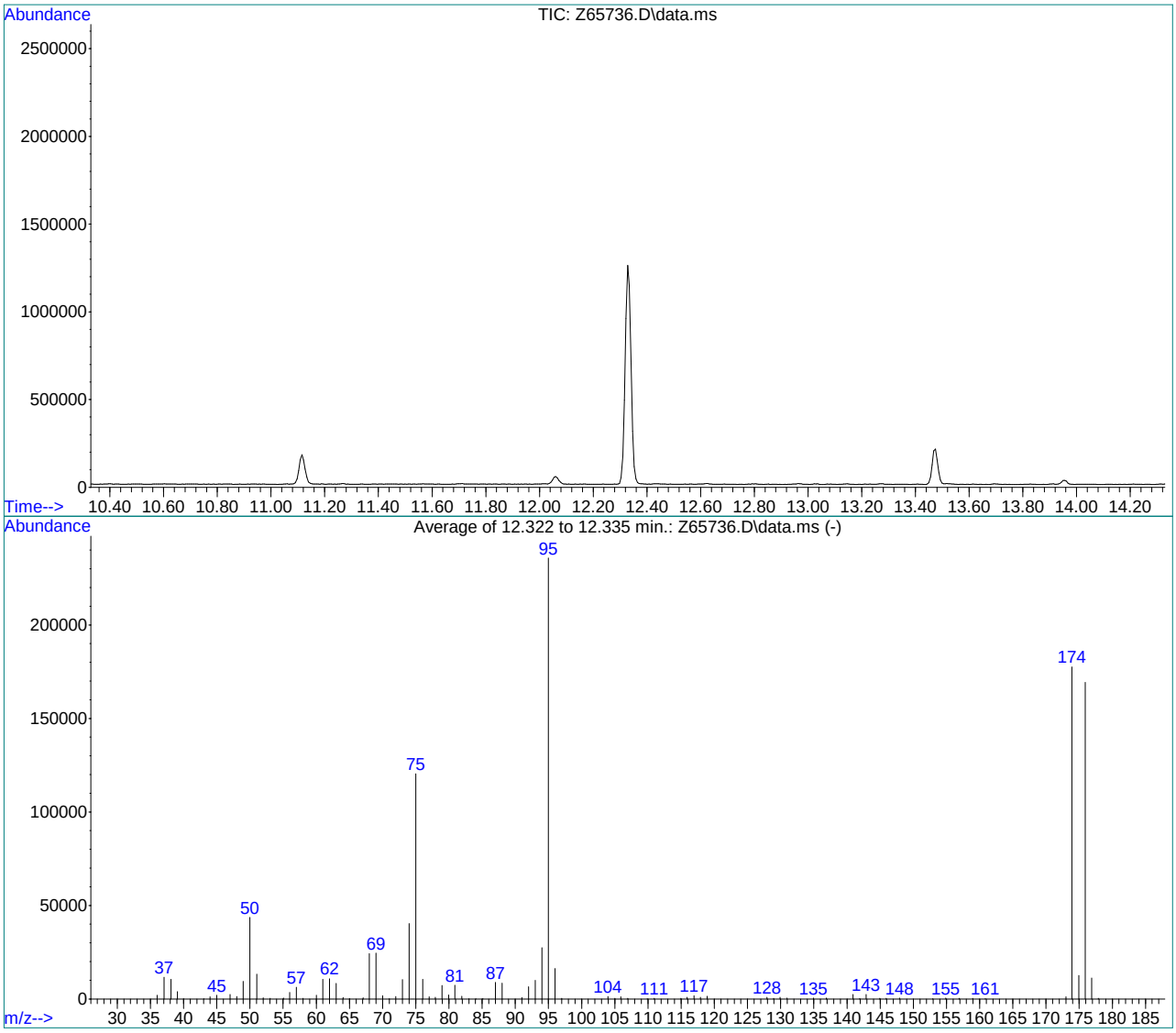
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	70264	PASS
75	95	30	60	47.8	148307	PASS
95	95	100	100	100.0	310400	PASS
96	95	5	9	7.0	21601	PASS
173	174	0.00	2	0.9	1973	PASS
174	95	50	100	74.1	230101	PASS
175	174	5	9	7.1	16345	PASS
176	174	95	101	96.3	221632	PASS
177	176	5	9	6.5	14497	PASS

O65083.D SIMCL-09-10-2021.M Sat Sep 11 09:29:07 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-07\Z65736.D Vial: 1
Acq On : 7 Sep 2021 8:35 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

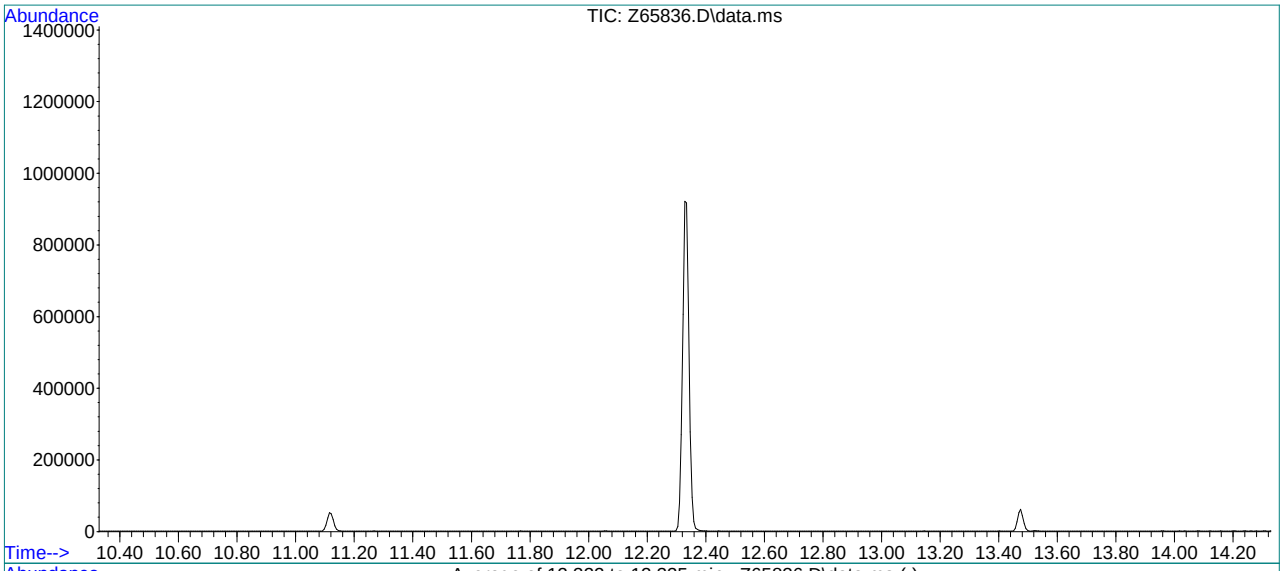
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	43592	PASS
75	95	30	60	51.1	120435	PASS
95	95	100	100	100.0	235755	PASS
96	95	5	9	6.9	16239	PASS
173	174	0.00	2	0.6	1121	PASS
174	95	50	100	75.3	177536	PASS
175	174	5	9	7.1	12644	PASS
176	174	95	101	95.3	169256	PASS
177	176	5	9	6.7	11265	PASS

Z65736.D SIMCL-09-02-2021.M Tue Sep 07 11:09:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-10\Z65836.D Vial: 2
Acq On : 10 Sep 2021 2:28 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49753,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	31824	PASS
75	95	30	60	50.8	84536	PASS
95	95	100	100	100.0	166488	PASS
96	95	5	9	6.9	11528	PASS
173	174	0.00	2	0.7	1001	PASS
174	95	50	100	81.6	135821	PASS
175	174	5	9	7.1	9658	PASS
176	174	95	101	96.1	130525	PASS
177	176	5	9	6.3	8272	PASS

Z65836.D SIMCL-09-07-2021.M Sat Sep 11 08:53:10 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

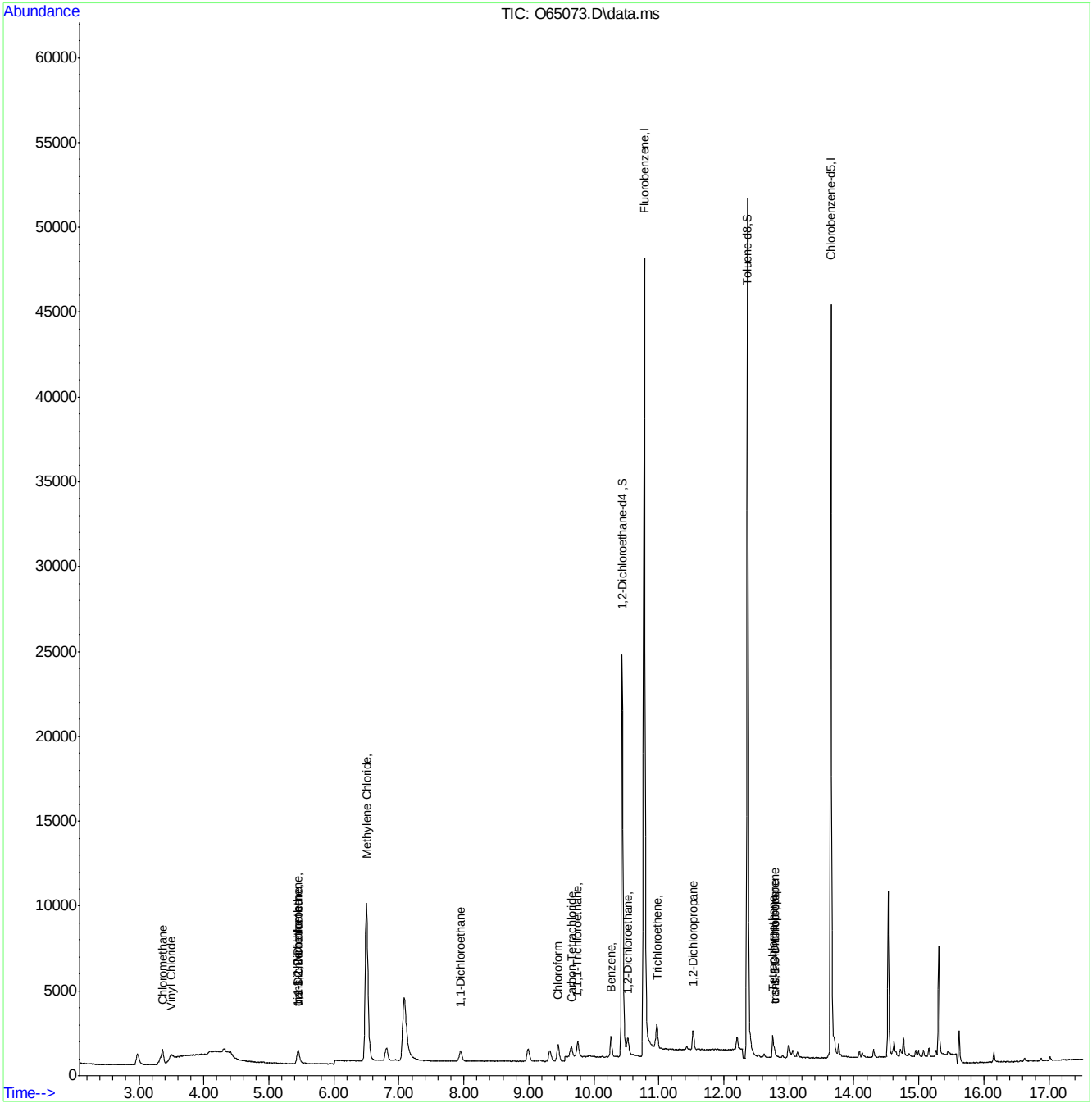
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	55750	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	38262	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	22488	4.99	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.80%				
19) Toluene-d8	12.367	98	45556	5.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	841	0.13	ug/L		84
3) Chloromethane	3.364	50	2159m	0.19	ug/L		
4) 1,1-Dichloroethene	5.448	61	1050	0.12	ug/L		87
5) Methylene Chloride	6.501	49	10969	0.95	ug/L		92
6) trans-1,2-Dichloroethene	5.448	61	1050	0.12	ug/L		81
7) 1,1-Dichloroethane	7.945	63	1100	0.12	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	510	0.10	ug/L	#	80
9) Chloroform	9.450	83	1197m	0.11	ug/L		
10) Carbon Tetrachloride	9.657	117	590m	0.15	ug/L		
11) 1,1,1-Trichloroethane	9.752	97	899	0.13	ug/L		95
12) Benzene	10.267	78	2053	0.11	ug/L		100
14) 1,2-Dichloroethane	10.525	62	1002	0.13	ug/L		90
15) Trichloroethene	10.974	95	614	0.11	ug/L		95
16) 1,2-Dichloropropane	11.525	63	604	0.12	ug/L		88
17) cis-1,3-Dichloropropene	12.780	75	539	0.09	ug/L		97
20) trans-1,3-Dichloropropene	12.780	75	539	0.09	ug/L		91
21) Tetrachloroethene	12.752	166	518	0.12	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



Manual Integration Approval Summary

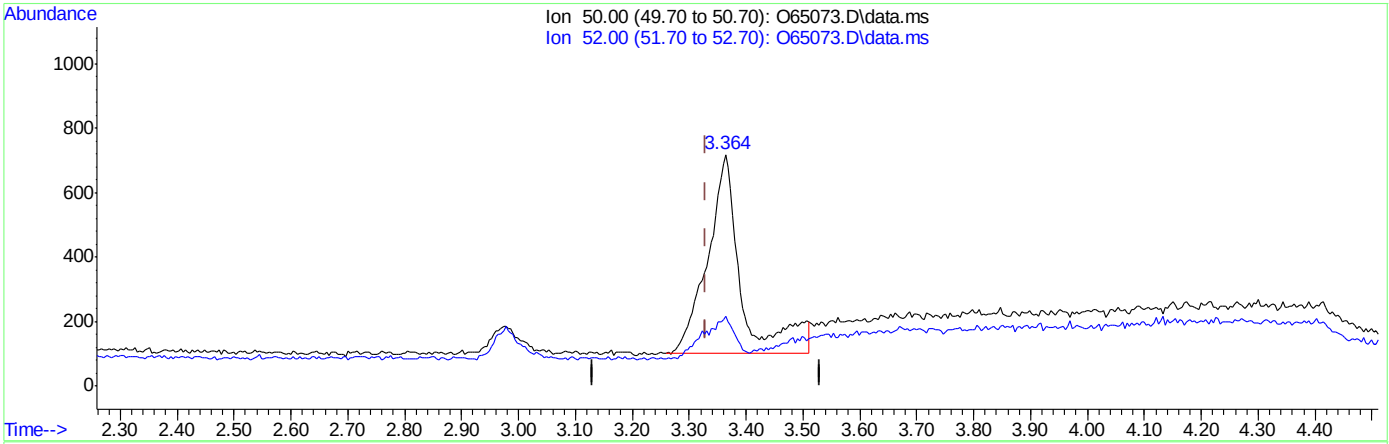
Sample Number: VO2552-IC2552
Lab FileID: O65073.D
Injection Time: 09/10/21 11:12
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:39 Charlene Gonzalez
Supervisor approved: 09/10/21 16:39 Sean Pioro

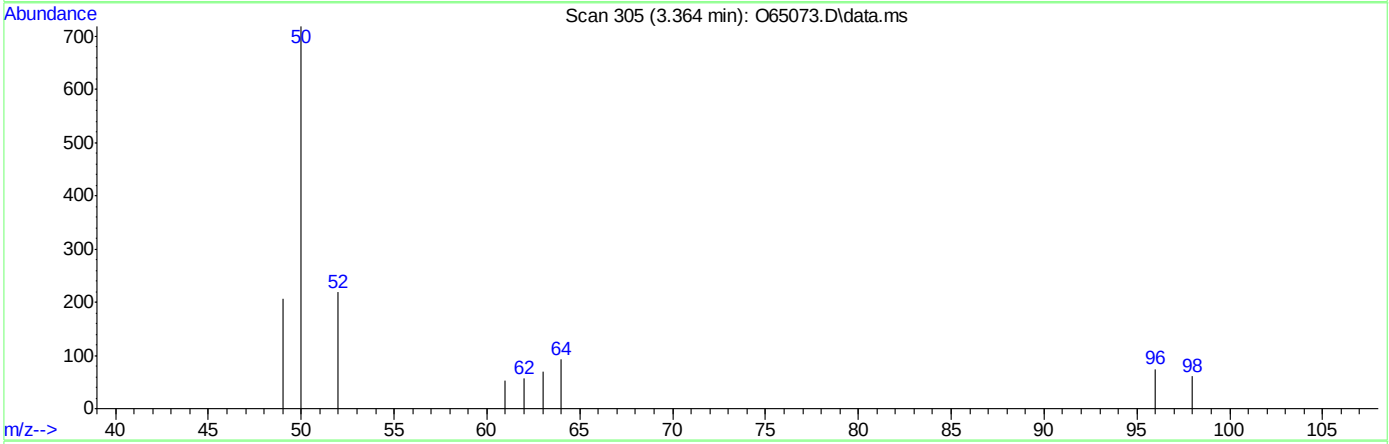
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.36	Overlapping peak
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(3) Chloromethane

3.364min (+0.034) 0.22ug/L

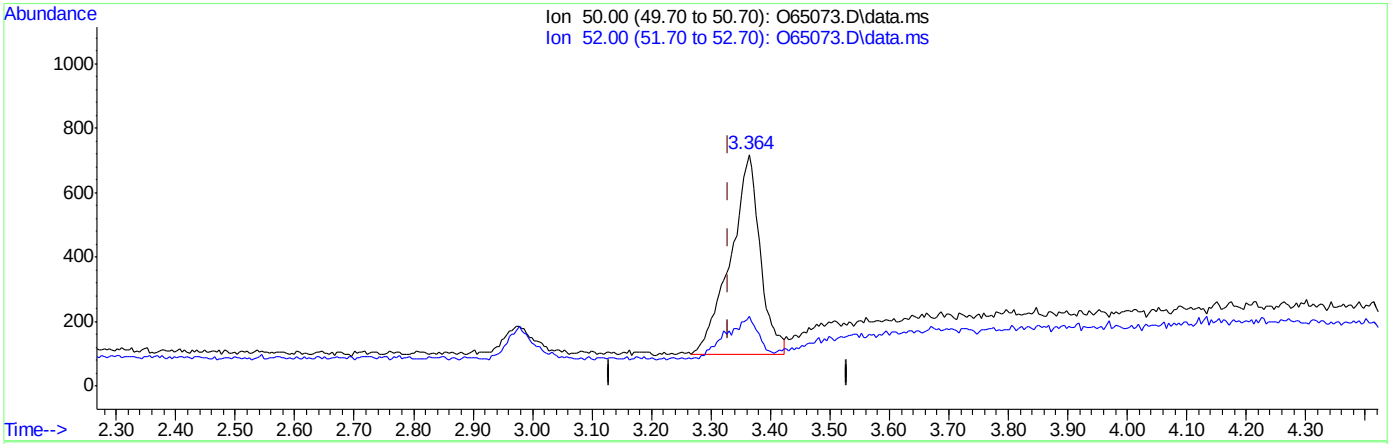
response 2513

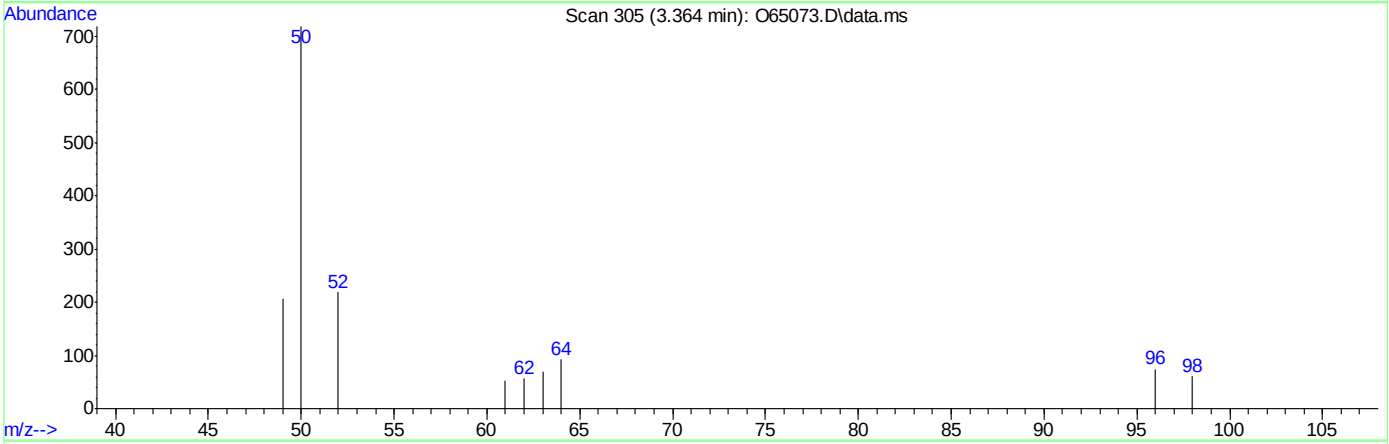
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	21.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(3) Chloromethane

3.364min (+0.034) 0.19ug/L m

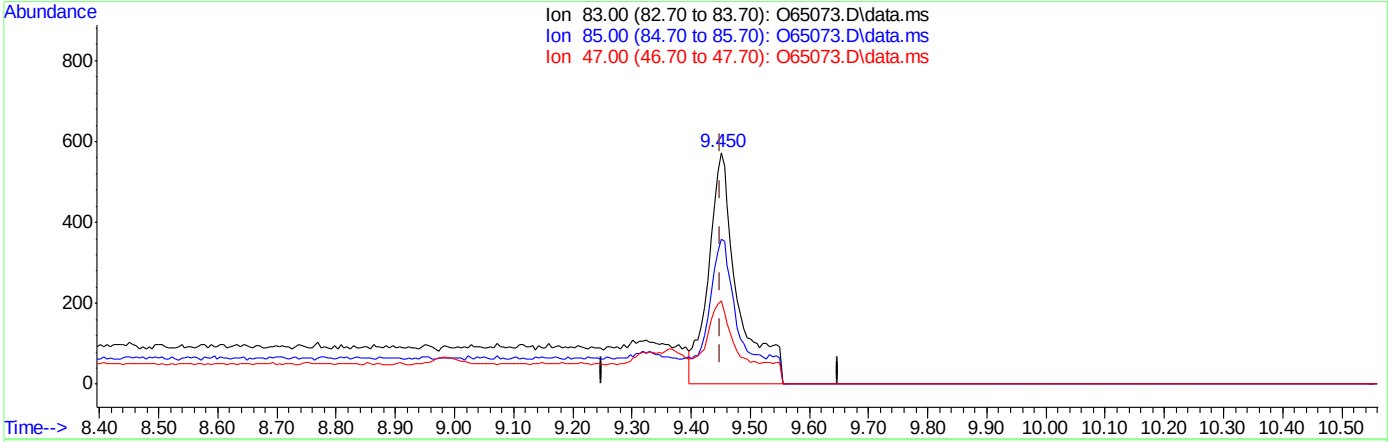
response 2159

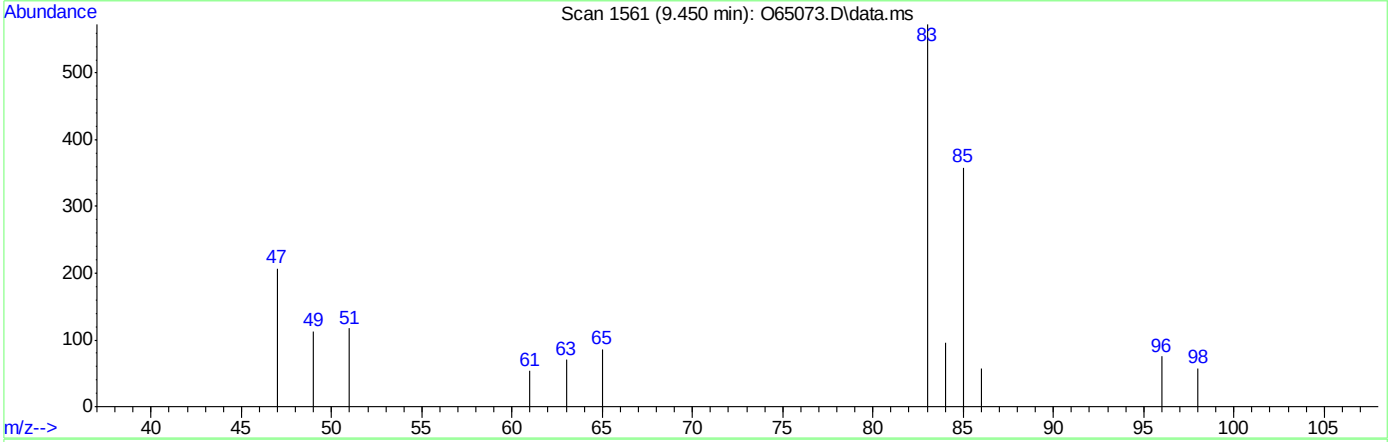
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	30.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.19ug/L

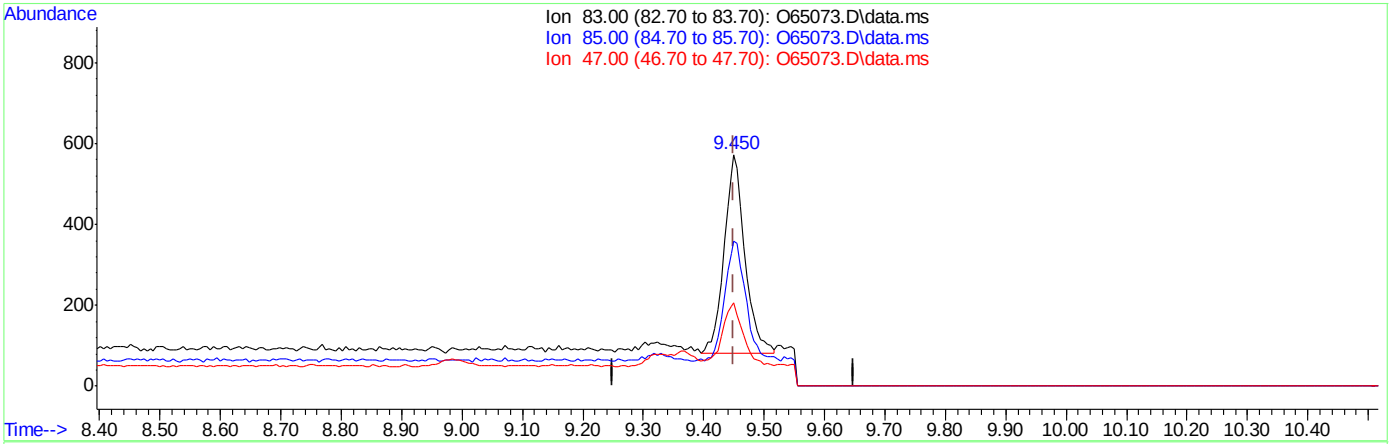
response 1999

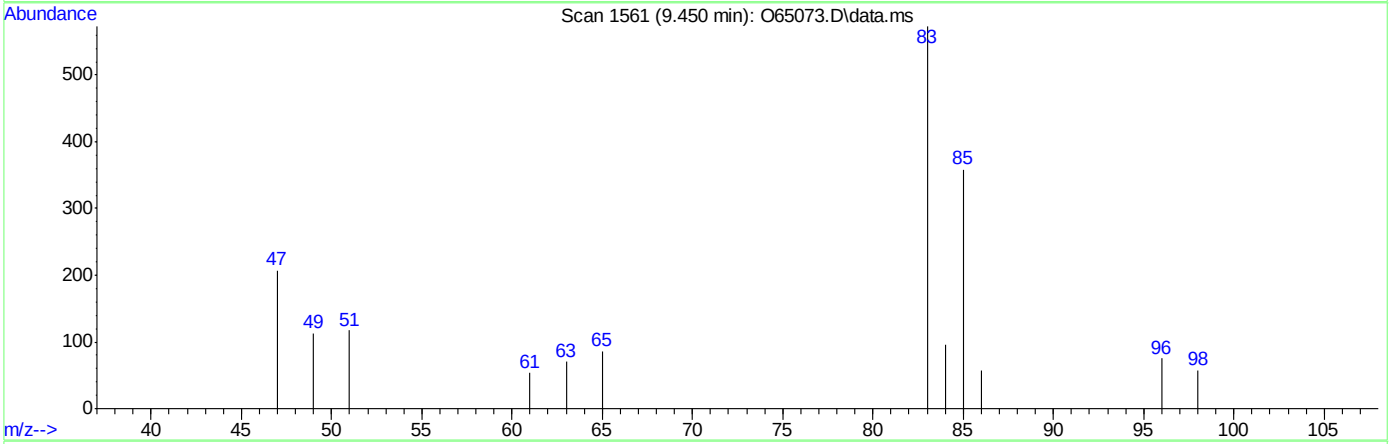
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.48
47.00	35.10	36.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.11ug/L m

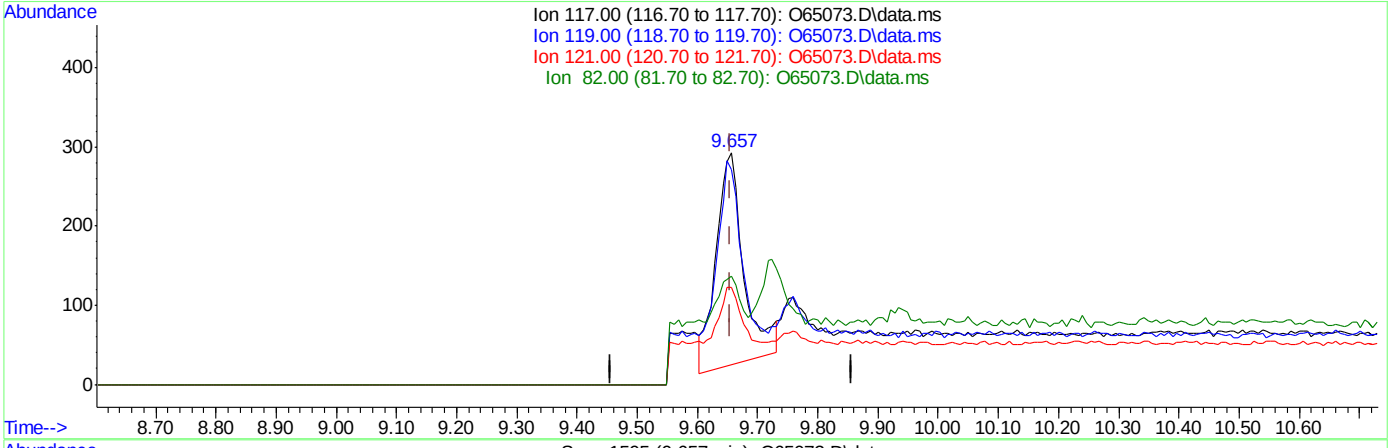
response 1197

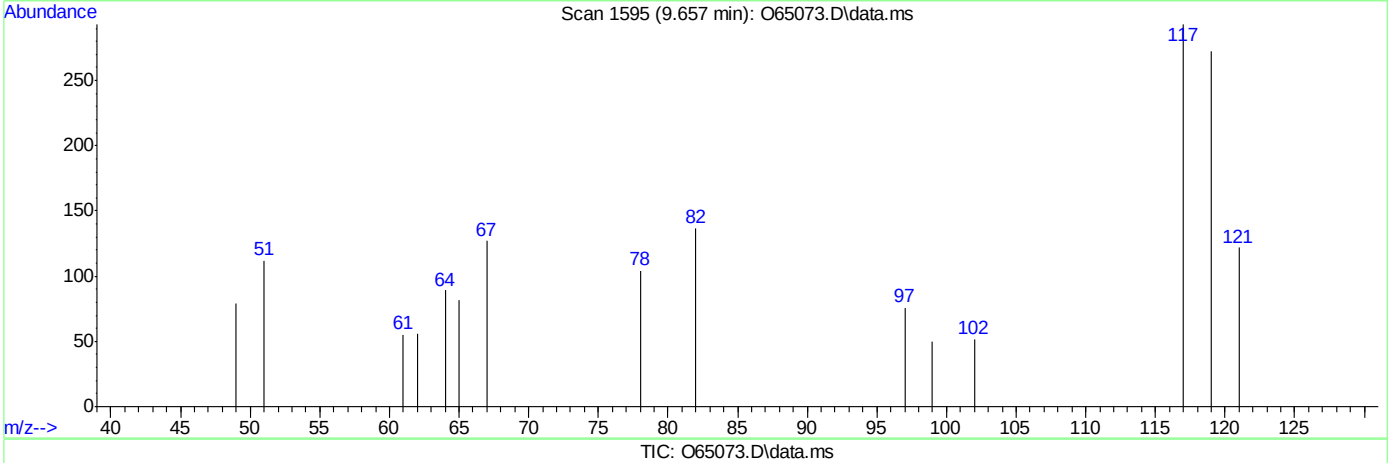
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.48
47.00	35.10	36.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.21ug/L

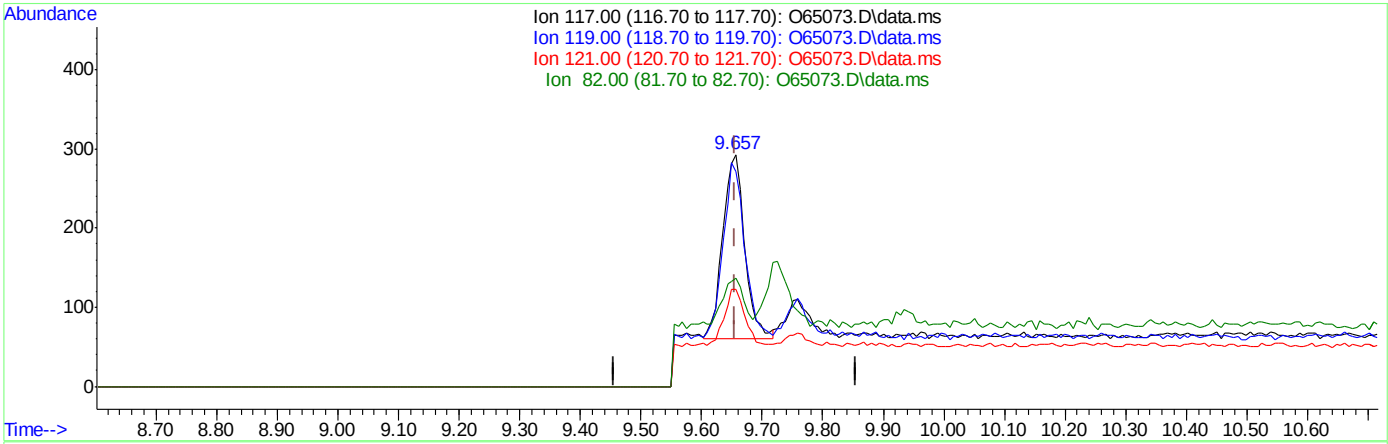
response 859

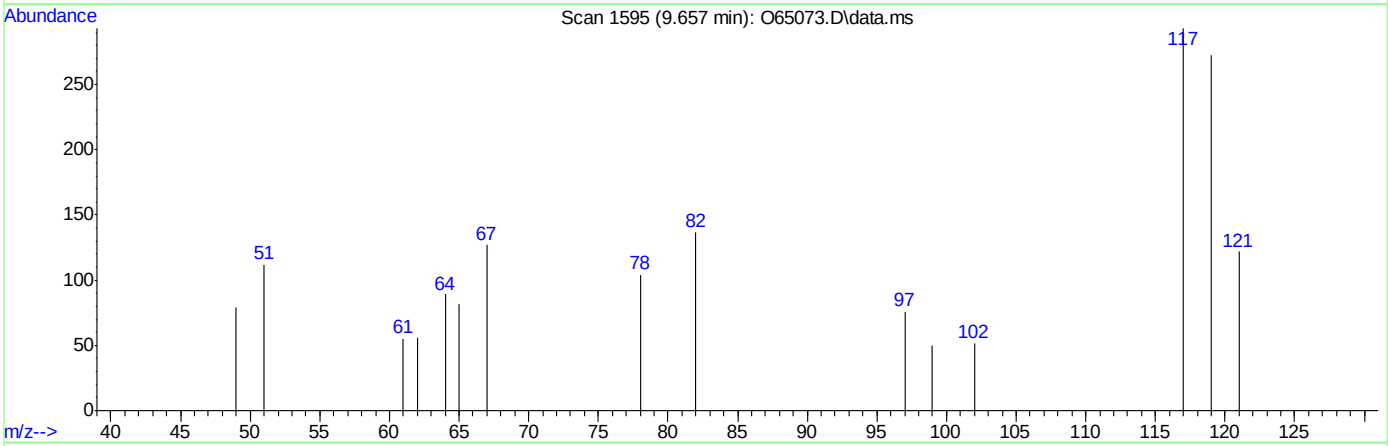
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	90.52
121.00	31.10	29.31
82.00	24.20	23.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.15ug/L m

response 590

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	92.83
121.00	31.10	41.64
82.00	24.20	46.76

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration

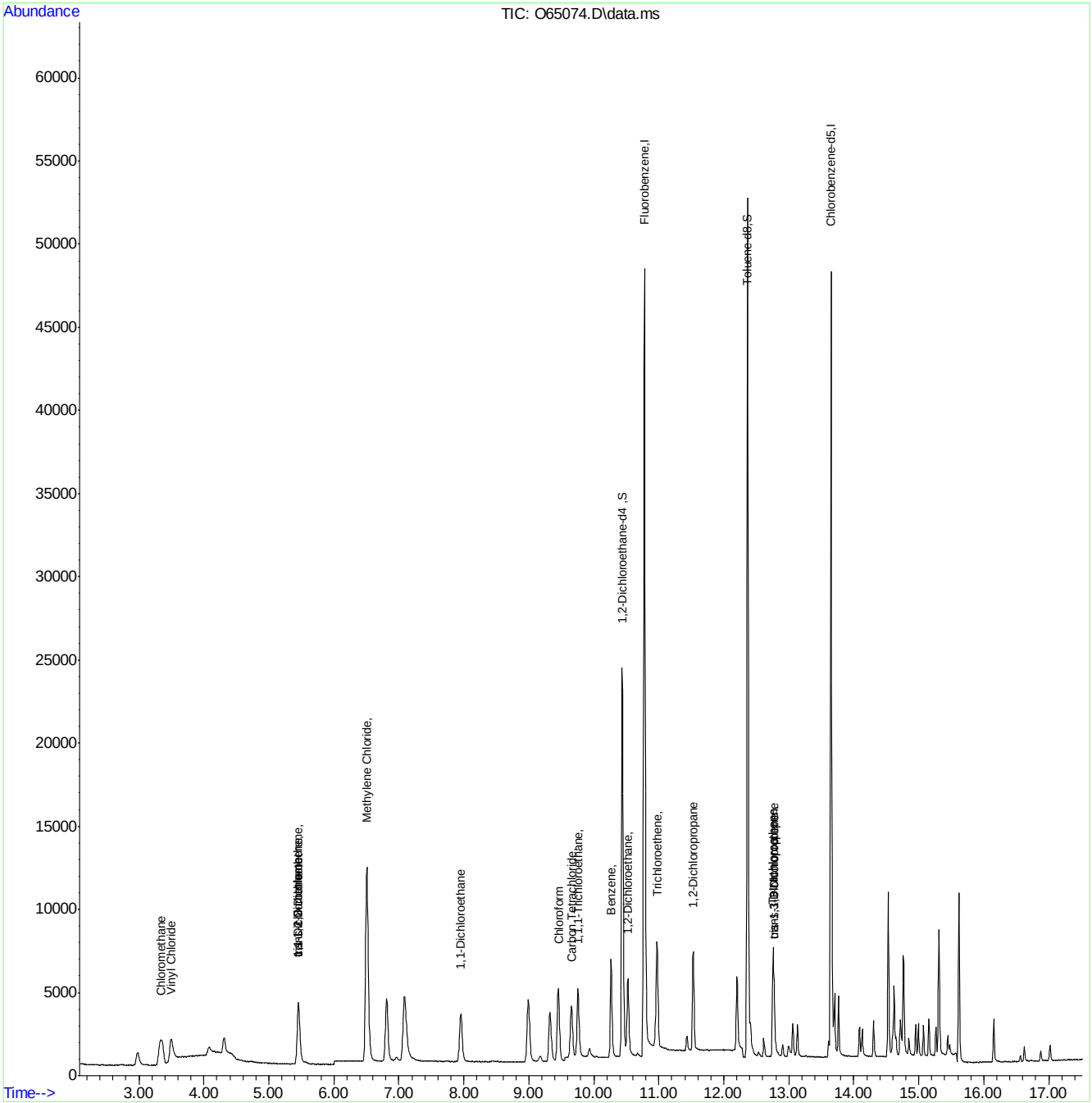
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	54844	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37159	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	22373	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	45398	5.55	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	3566	0.56	ug/L	93
3) Chloromethane	3.339	50	5297	0.52	ug/L	100
4) 1,1-Dichloroethene	5.452	61	4684	0.53	ug/L	85
5) Methylene Chloride	6.506	49	13358	0.49	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	4684	0.53	ug/L	80
7) 1,1-Dichloroethane	7.951	63	5235	0.55	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	2355	0.48	ug/L #	85
9) Chloroform	9.456	83	5031m	0.48	ug/L	
10) Carbon Tetrachloride	9.657	117	2921m	0.65	ug/L	
11) 1,1,1-Trichloroethane	9.758	97	3965	0.53	ug/L	95
12) Benzene	10.267	78	9542	0.53	ug/L	100
14) 1,2-Dichloroethane	10.525	62	4938	0.60	ug/L	90
15) Trichloroethene	10.974	95	2814	0.50	ug/L	96
16) 1,2-Dichloropropane	11.531	63	2923	0.56	ug/L	86
17) cis-1,3-Dichloropropene	12.774	75	3204	0.53	ug/L	99
20) trans-1,3-Dichloropropene	12.774	75	3204	0.55	ug/L	95
21) Tetrachloroethene	12.752	166	2449	0.55	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:04:38 2021 Page: 2

Manual Integration Approval Summary

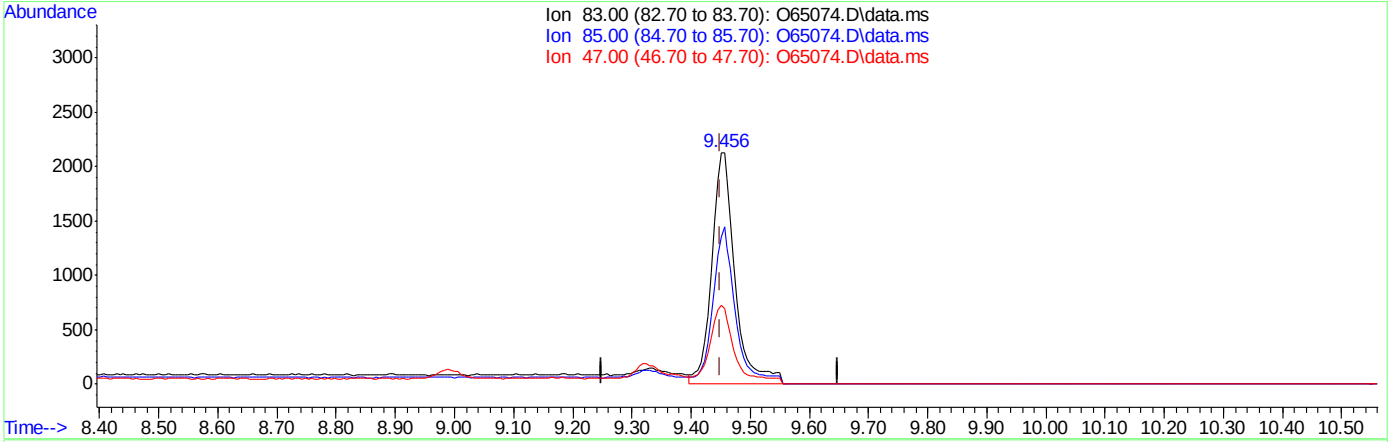
Sample Number: VO2552-IC2552
Lab FileID: O65074.D
Injection Time: 09/10/21 11:35
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:39 Charlene Gonzalez
Supervisor approved: 09/10/21 16:39 Sean Pioro

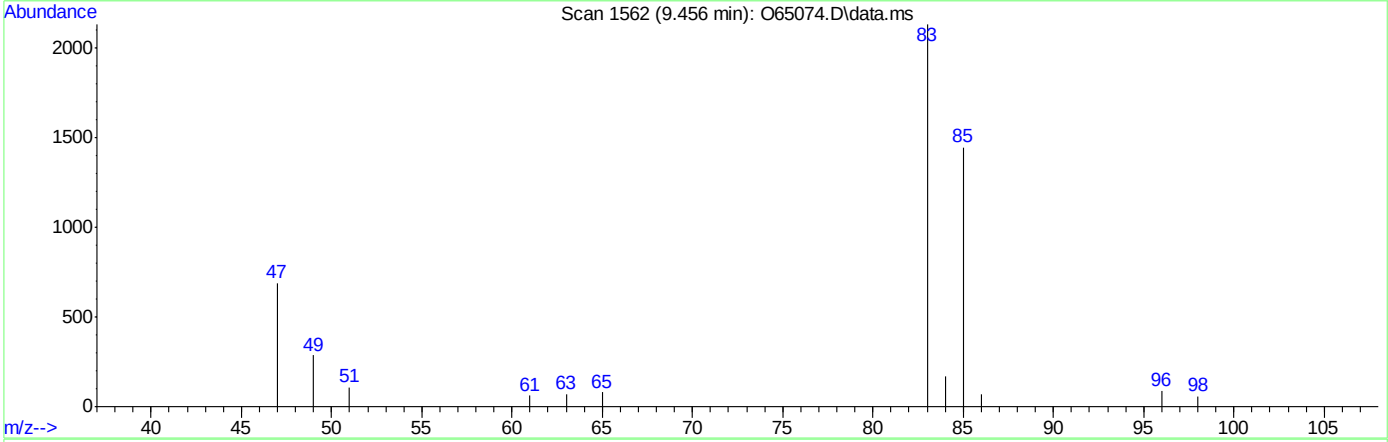
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.56ug/L

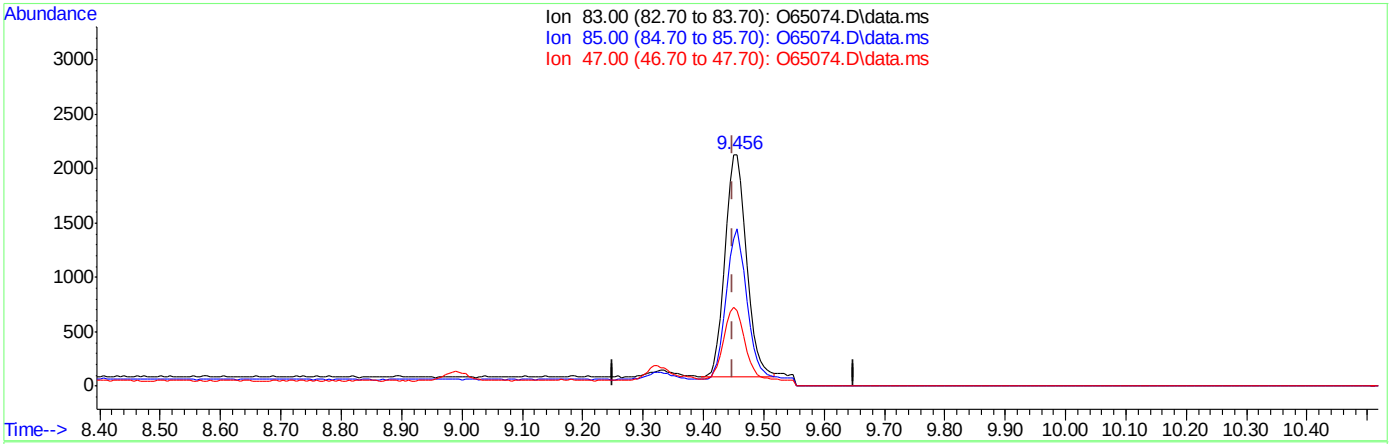
response 5890

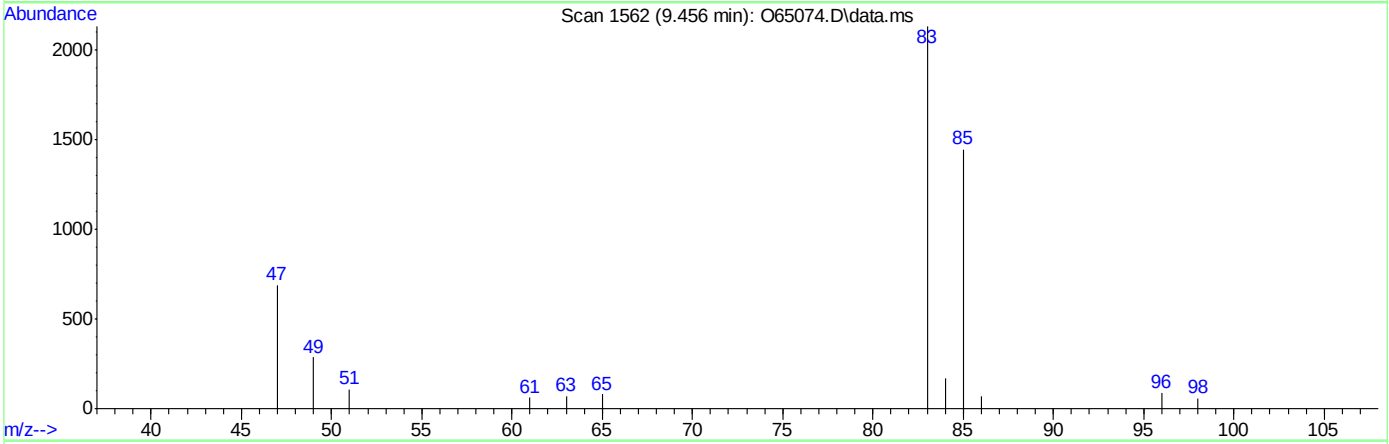
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.86
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.48ug/L m

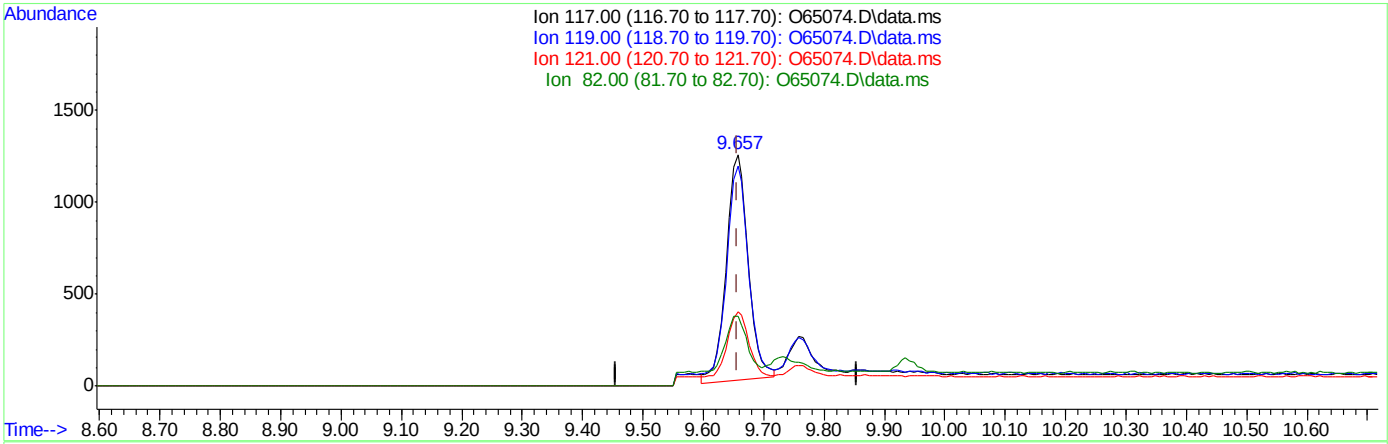
response 5031

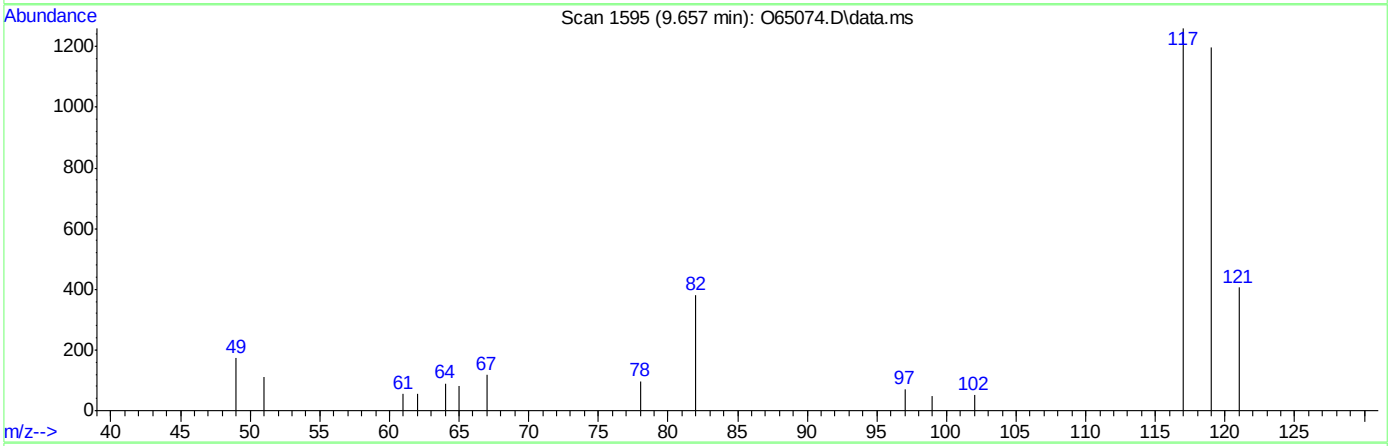
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.86
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.70ug/L

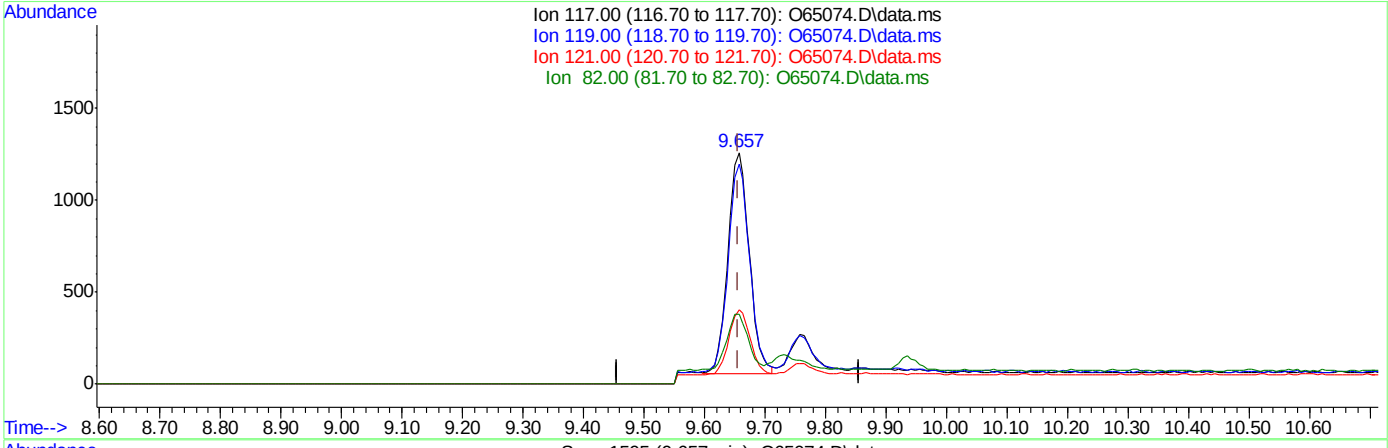
response 3134

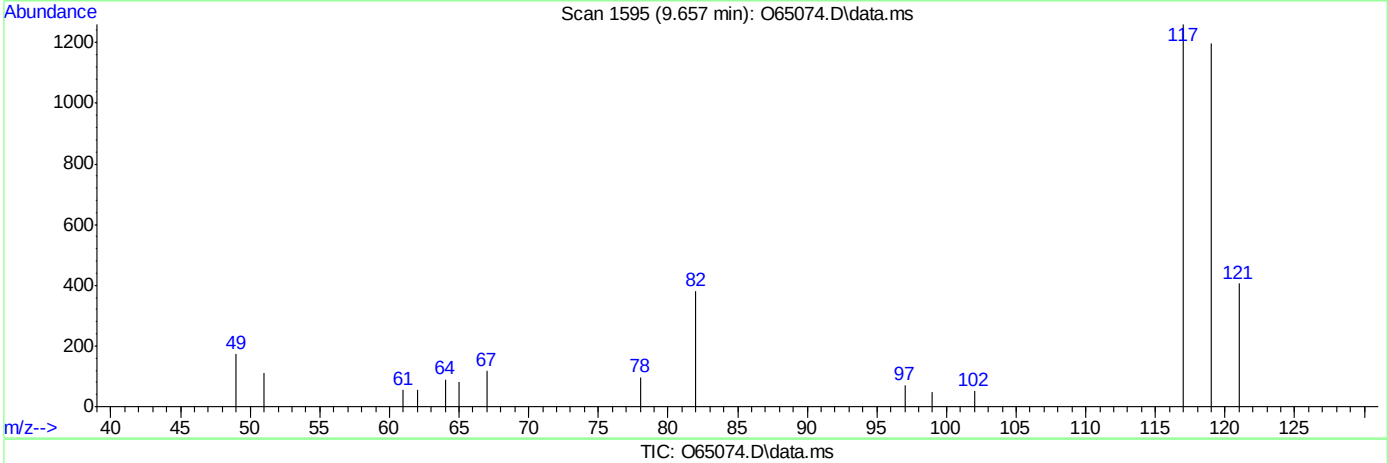
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.32
121.00	31.10	29.32
82.00	24.20	25.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.65ug/L m

response 2921

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.00
121.00	31.10	32.14
82.00	24.20	30.32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65075.D
Acq On : 10 Sep 2021 11:58 am
Operator : charleng
Sample : ic2552-3 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 12:18:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:10 2021
Response via : Initial Calibration

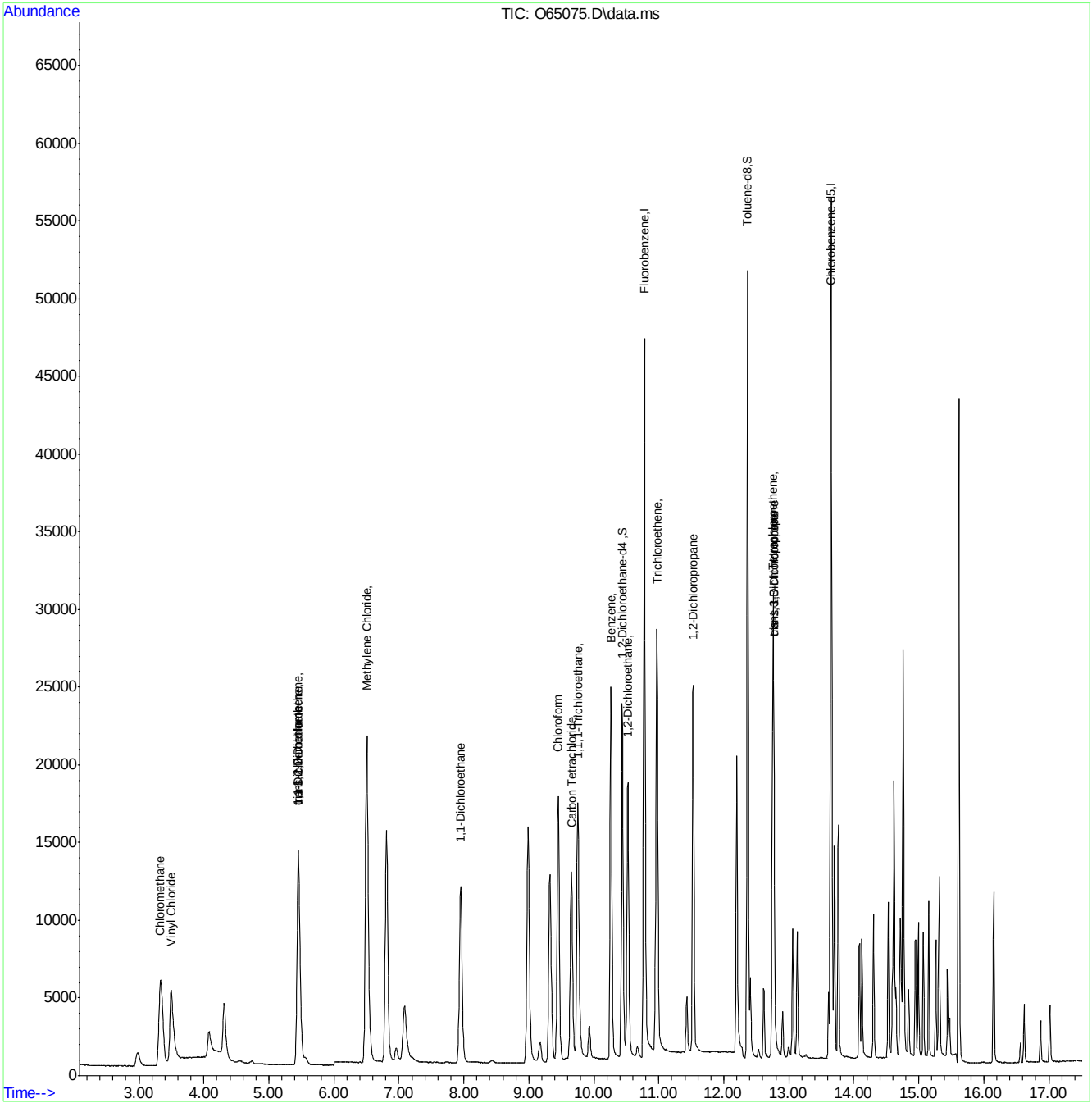
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	53041	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36580	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	21029	5.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.60%			
19) Toluene-d8	12.367	98	45429	5.57	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.40%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	12519	1.98	ug/L	99
3) Chloromethane	3.330	50	16671	1.70	ug/L	99
4) 1,1-Dichloroethene	5.452	61	19110	2.30	ug/L	83
5) Methylene Chloride	6.506	49	25762	0.97	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	19110	2.30	ug/L	79
7) 1,1-Dichloroethane	7.951	63	20456	2.24	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	9361	2.06	ug/L	89
9) Chloroform	9.450	83	20433	2.10	ug/L	98
10) Carbon Tetrachloride	9.656	117	11750	2.51	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	16175	2.24	ug/L	96
12) Benzene	10.267	78	37530	2.16	ug/L	100
14) 1,2-Dichloroethane	10.525	62	19239	2.40	ug/L	92
15) Trichloroethene	10.974	95	11174	2.08	ug/L	96
16) 1,2-Dichloropropane	11.531	63	11506	2.28	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	12562	2.09	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	12562	2.13	ug/L	96
21) Tetrachloroethene	12.752	166	10019	2.30	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65075.D
Acq On : 10 Sep 2021 11:58 am
Operator : charleng
Sample : ic2552-3 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 12:18:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:10 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:04:40 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65076.D
Acq On : 10 Sep 2021 12:21 pm
Operator : charleng
Sample : ic2552-4 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:08:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:26 2021
Response via : Initial Calibration

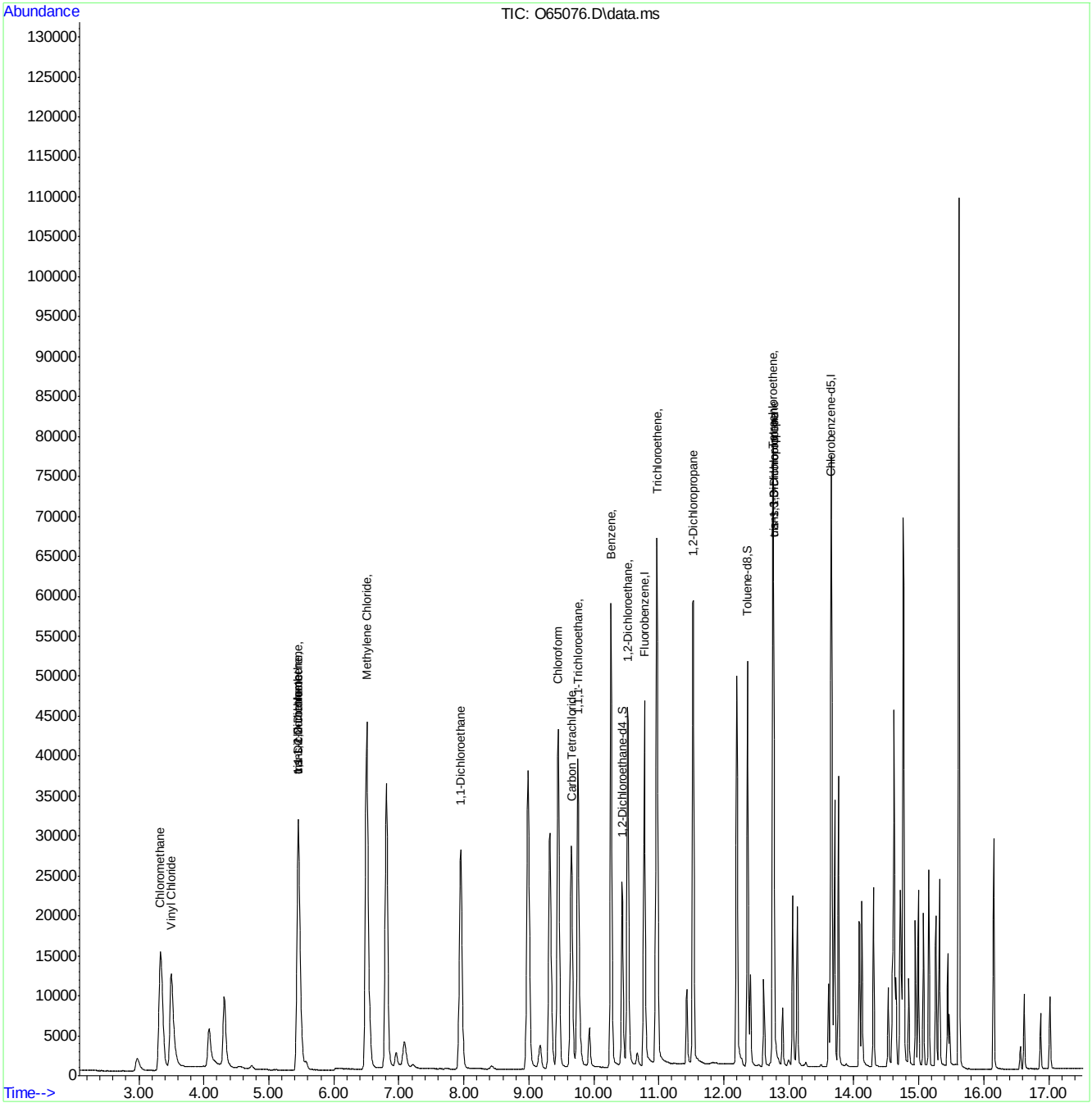
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	52516	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35504	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20974	5.13	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.60%			
19) Toluene-d8	12.367	98	43624	5.40	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	33018	5.24	ug/L	99
3) Chloromethane	3.331	50	43017	4.46	ug/L	98
4) 1,1-Dichloroethene	5.452	61	45139	5.29	ug/L	83
5) Methylene Chloride	6.501	49	54566	2.14	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	45139	5.29	ug/L	79
7) 1,1-Dichloroethane	7.951	63	49210	5.32	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	22247	4.90	ug/L	89
9) Chloroform	9.450	83	48989	5.05	ug/L	97
10) Carbon Tetrachloride	9.657	117	26447	5.46	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	38659	5.25	ug/L	97
12) Benzene	10.267	78	90876	5.16	ug/L	100
14) 1,2-Dichloroethane	10.519	62	47862	5.81	ug/L	90
15) Trichloroethene	10.974	95	26600	4.95	ug/L	96
16) 1,2-Dichloropropane	11.531	63	28170	5.47	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	31462	5.19	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	31462	5.39	ug/L	98
21) Tetrachloroethene	12.752	166	23538	5.42	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65076.D
Acq On : 10 Sep 2021 12:21 pm
Operator : charleng
Sample : ic2552-4 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:08:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65077.D
Acq On : 10 Sep 2021 12:44 pm
Operator : charleng
Sample : icC2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:08:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:36 2021
Response via : Initial Calibration

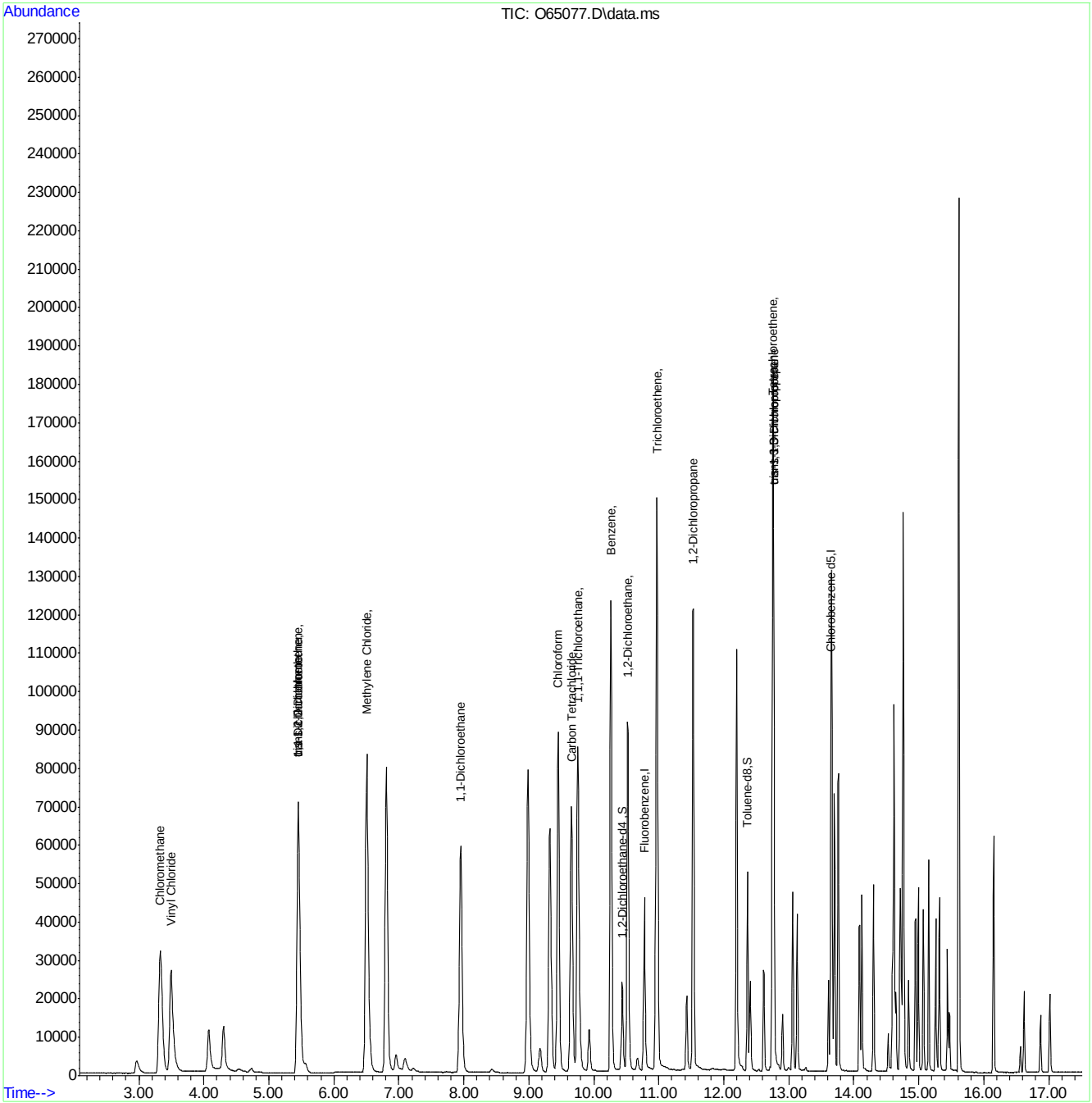
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51001	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35442	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20464	5.13	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.60%			
19) Toluene-d8	12.367	98	43020	5.23	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	70141	11.28	ug/L	98
3) Chloromethane	3.330	50	87160	9.17	ug/L	97
4) 1,1-Dichloroethene	5.452	61	96565	11.41	ug/L	84
5) Methylene Chloride	6.501	49	100680	4.07	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	96565	11.41	ug/L	79
7) 1,1-Dichloroethane	7.951	63	103014	11.23	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47817	10.82	ug/L	88
9) Chloroform	9.450	83	98955	10.43	ug/L	98
10) Carbon Tetrachloride	9.656	117	64700	13.12	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	84272	11.58	ug/L	97
12) Benzene	10.267	78	188813	10.89	ug/L	100
14) 1,2-Dichloroethane	10.518	62	95658	11.51	ug/L	90
15) Trichloroethene	10.974	95	58499	11.13	ug/L	96
16) 1,2-Dichloropropane	11.531	63	57709	11.22	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	72264	12.06	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	72264	12.12	ug/L	97
21) Tetrachloroethene	12.752	166	51345	11.58	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65077.D
Acq On : 10 Sep 2021 12:44 pm
Operator : charleng
Sample : icC2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:08:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65078.D
Acq On : 10 Sep 2021 1:06 pm
Operator : charleng
Sample : ic2552-6 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:25:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:51 2021
Response via : Initial Calibration

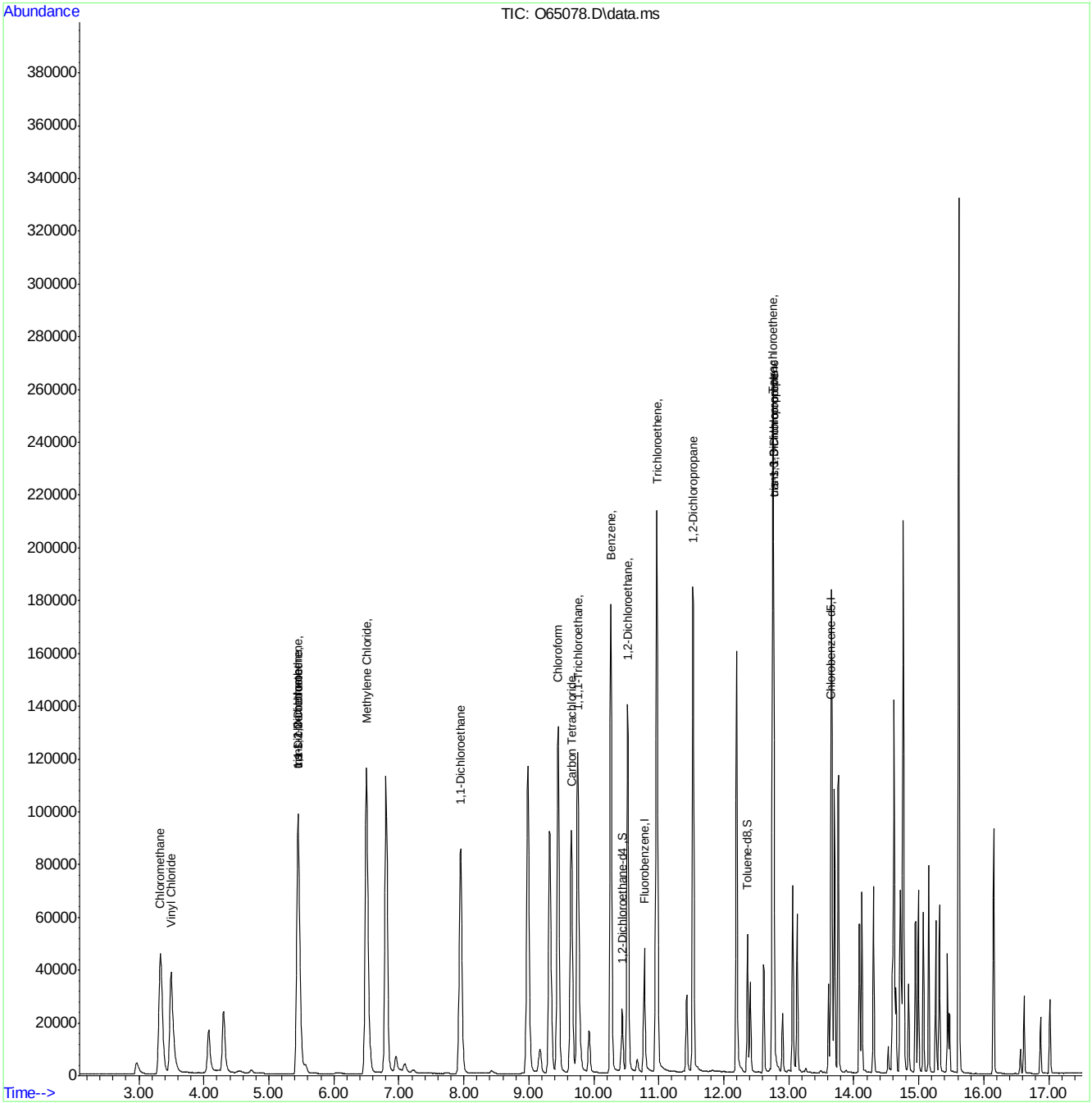
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	52609	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36410	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	21198	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	45191	5.25	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	101893	15.37	ug/L	98
3) Chloromethane	3.330	50	123582	12.27	ug/L	98
4) 1,1-Dichloroethene	5.448	61	140780	15.62	ug/L	83
5) Methylene Chloride	6.501	49	143547	5.59	ug/L	92
6) trans-1,2-Dichloroethene	5.448	61	140780	15.62	ug/L	79
7) 1,1-Dichloroethane	7.951	63	152147	15.61	ug/L	98
8) cis-1,2-Dichloroethene	5.448	96	69692	15.10	ug/L	89
9) Chloroform	9.450	83	147816	14.94	ug/L	97
10) Carbon Tetrachloride	9.656	117	87902	16.03	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	122498	15.80	ug/L	97
12) Benzene	10.267	78	279910	15.34	ug/L	100
14) 1,2-Dichloroethane	10.518	62	143882	16.12	ug/L	90
15) Trichloroethene	10.974	95	83011	14.99	ug/L	96
16) 1,2-Dichloropropane	11.525	63	86610	15.82	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	104672	16.36	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	104672	16.45	ug/L	96
21) Tetrachloroethene	12.752	166	74192	15.73	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65078.D
Acq On : 10 Sep 2021 1:06 pm
Operator : charleng
Sample : ic2552-6 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:25:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65079.D
Acq On : 10 Sep 2021 1:29 pm
Operator : charleng
Sample : ic2552-7 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:47:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:25:21 2021
Response via : Initial Calibration

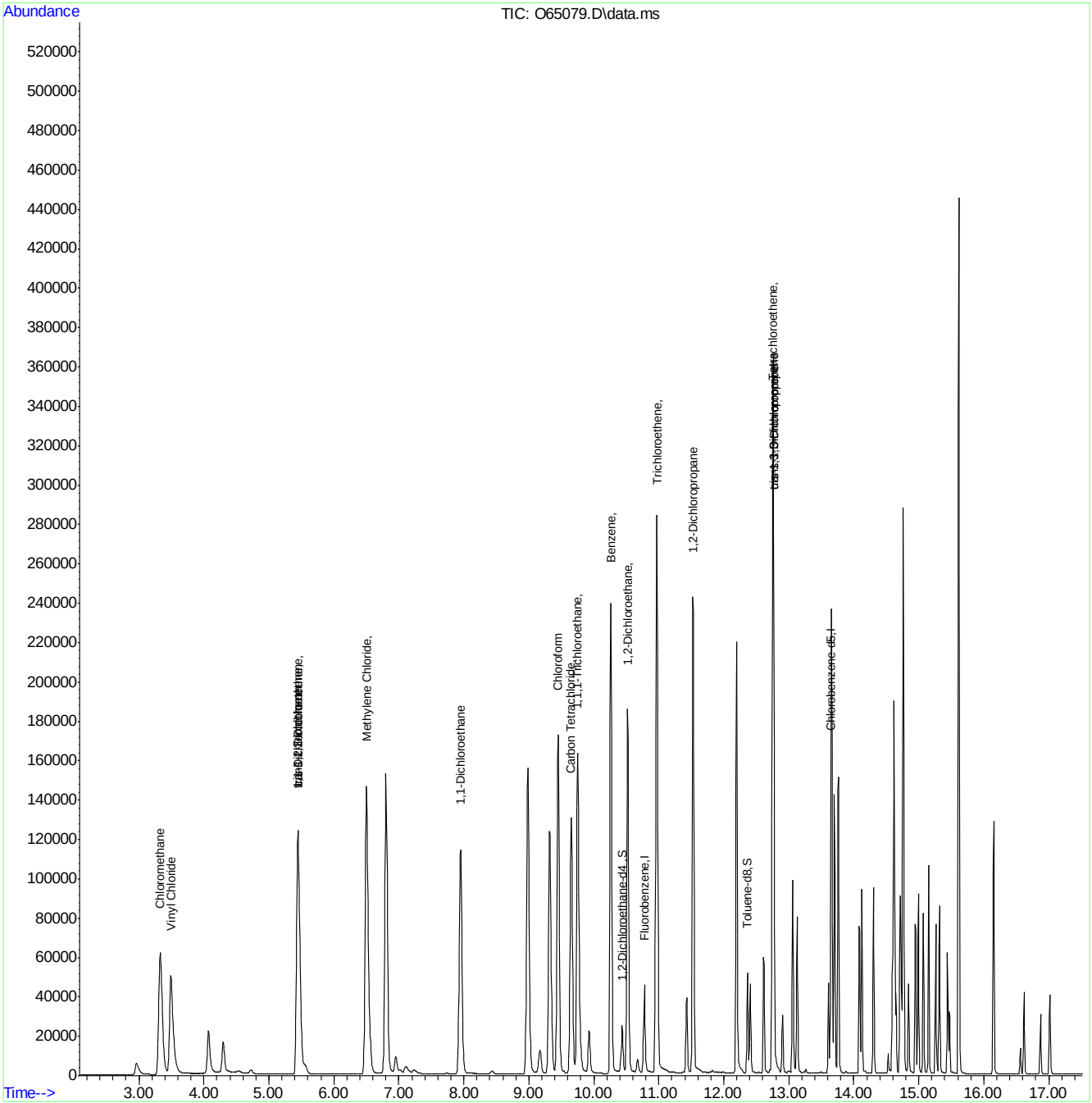
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51115	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35856	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20621	5.06	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.20%			
19) Toluene-d8	12.367	98	43120	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	137248	20.83	ug/L	97
3) Chloromethane	3.326	50	169616	17.05	ug/L	98
4) 1,1-Dichloroethene	5.444	61	188929	21.03	ug/L	83
5) Methylene Chloride	6.501	49	187696	7.47	ug/L	92
6) trans-1,2-Dichloroethene	5.444	61	188929	21.03	ug/L	79
7) 1,1-Dichloroethane	7.951	63	201580	20.80	ug/L	99
8) cis-1,2-Dichloroethene	5.448	96	93917	20.80	ug/L	87
9) Chloroform	9.450	83	193239	19.89	ug/L	97
10) Carbon Tetrachloride	9.650	117	121870	22.22	ug/L	97
11) 1,1,1-Trichloroethane	9.752	97	163815	21.23	ug/L	95
12) Benzene	10.267	78	372189	20.66	ug/L	99
14) 1,2-Dichloroethane	10.518	62	188407	20.94	ug/L	90
15) Trichloroethene	10.974	95	110924	20.50	ug/L	96
16) 1,2-Dichloropropane	11.525	63	114941	21.10	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	144474	23.12	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	144474	22.79	ug/L	96
21) Tetrachloroethene	12.752	166	100456	21.09	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65079.D
Acq On : 10 Sep 2021 1:29 pm
Operator : charleng
Sample : ic2552-7 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:47:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:25:21 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:04:48 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65081.D
Acq On : 10 Sep 2021 2:15 pm
Operator : charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 14:34:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

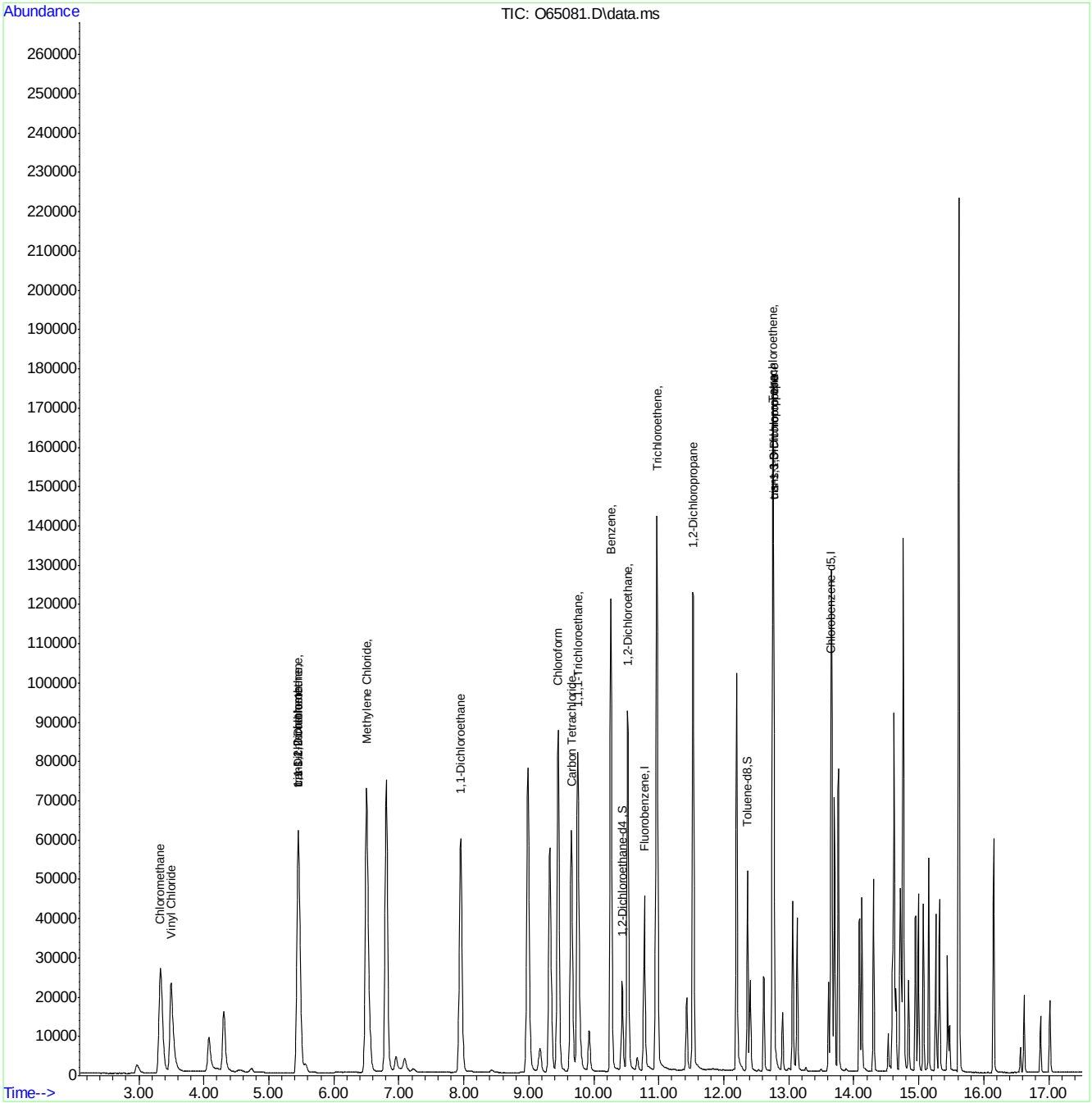
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	50401	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	34824	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20312	5.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.20%			
19) Toluene-d8	12.367	98	42440	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	60049	9.01	ug/L	98
3) Chloromethane	3.330	50	73695	8.96	ug/L	98
4) 1,1-Dichloroethene	5.448	61	95560	10.50	ug/L	82
5) Methylene Chloride	6.501	49	96039	9.71	ug/L	91
6) trans-1,2-Dichloroethene	5.448	61	95560	10.50	ug/L	78
7) 1,1-Dichloroethane	7.951	63	106022	10.82	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47373	10.54	ug/L	88
9) Chloroform	9.450	83	98887	10.19	ug/L	97
10) Carbon Tetrachloride	9.656	117	57415	10.21	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	81958	10.48	ug/L	97
12) Benzene	10.267	78	188476	10.45	ug/L	100
14) 1,2-Dichloroethane	10.518	62	95399	10.37	ug/L	90
15) Trichloroethene	10.974	95	56317	10.46	ug/L	96
16) 1,2-Dichloropropane	11.525	63	58275	10.57	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	69089	11.06	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	69089	11.03	ug/L	97
21) Tetrachloroethene	12.752	166	50311	10.56	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65081.D
Acq On : 10 Sep 2021 2:15 pm
Operator : charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 14:34:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:38:32 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65084.D
Acq On : 10 Sep 2021 3:27 pm
Operator : charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:46:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

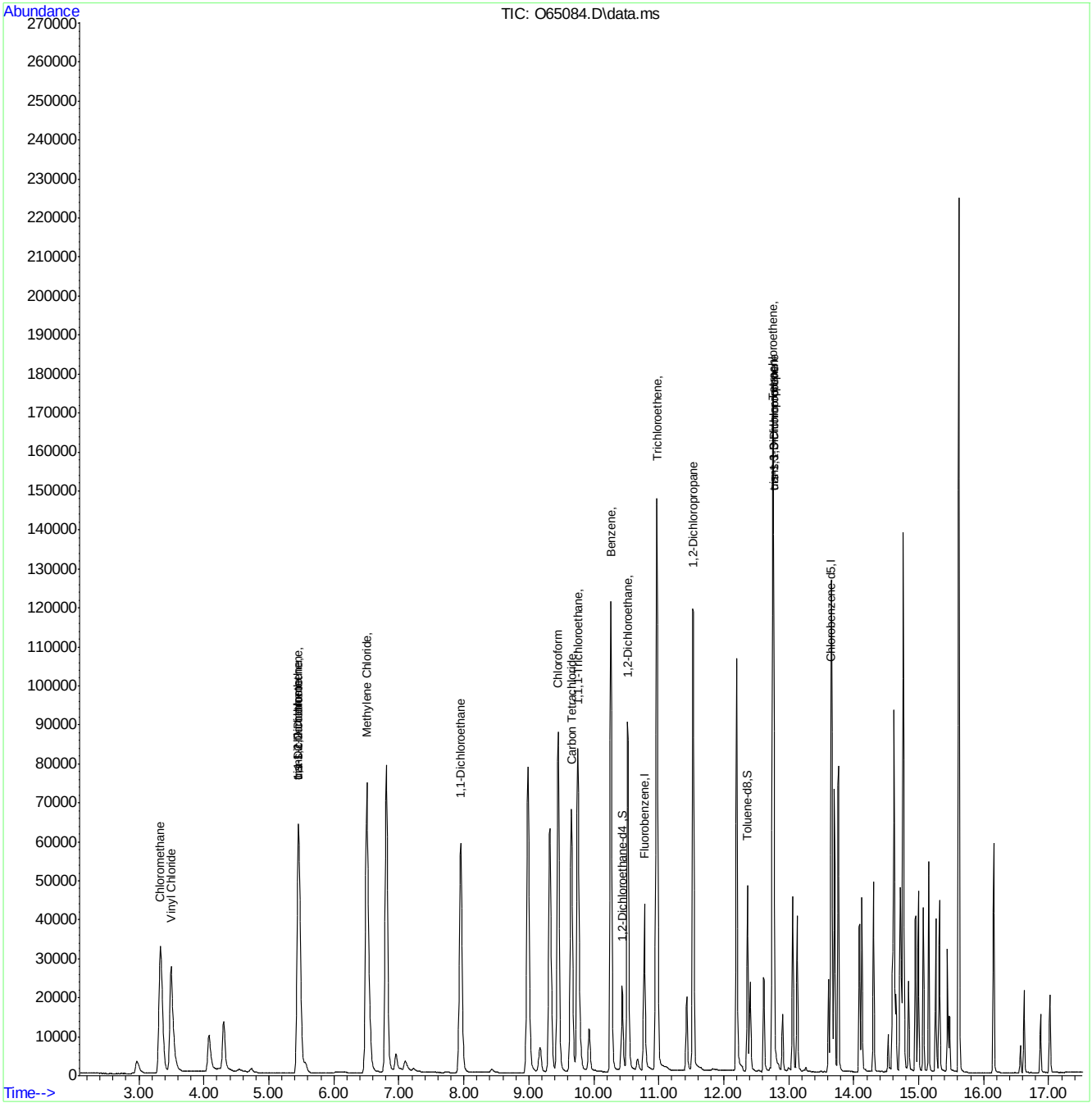
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47842	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33332	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19228	5.00	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.00%			
19) Toluene-d8	12.367	98	40157	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	70134	11.09	ug/L	99
3) Chloromethane	3.330	50	88403	11.31	ug/L	98
4) 1,1-Dichloroethene	5.452	61	96962	11.23	ug/L	83
5) Methylene Chloride	6.506	49	99026	10.62	ug/L	93
6) trans-1,2-Dichloroethene	5.452	61	96962	11.23	ug/L	79
7) 1,1-Dichloroethane	7.951	63	102365	11.01	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47907	11.23	ug/L	88
9) Chloroform	9.450	83	97912	10.63	ug/L	98
10) Carbon Tetrachloride	9.657	117	62980	11.79	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	83538	11.25	ug/L	97
12) Benzene	10.267	78	187706	10.96	ug/L	100
14) 1,2-Dichloroethane	10.519	62	94385	10.81	ug/L	90
15) Trichloroethene	10.974	95	58902	11.52	ug/L	96
16) 1,2-Dichloropropane	11.531	63	57335	10.95	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	70663	11.92	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	70663	11.78	ug/L	97
21) Tetrachloroethene	12.752	166	50790	11.14	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65084.D
Acq On : 10 Sep 2021 3:27 pm
Operator : charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:46:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Sat Sep 11 09:46:26 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65108.D
Acq On : 11 Sep 2021 12:41 am
Operator : charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 09:24:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

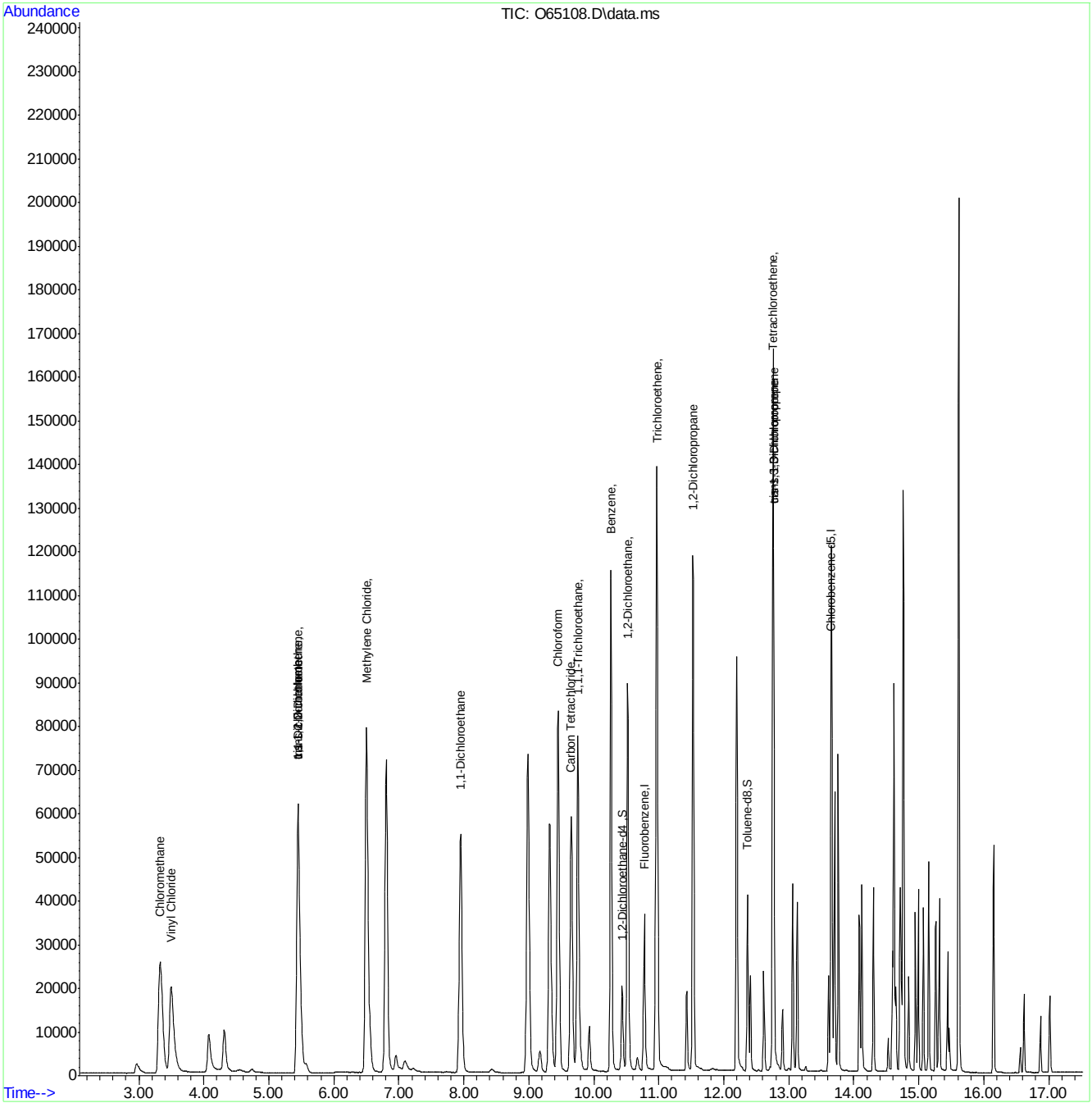
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	41581	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29073	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17320	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	34726	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	63371	11.53	ug/L	99
3) Chloromethane	3.326	50	83665	12.32	ug/L	97
4) 1,1-Dichloroethene	5.448	61	91764	12.22	ug/L	82
5) Methylene Chloride	6.501	49	99153	12.40	ug/L	91
6) trans-1,2-Dichloroethene	5.448	61	91764	12.22	ug/L	78
7) 1,1-Dichloroethane	7.951	63	98000	12.13	ug/L	99
8) cis-1,2-Dichloroethene	5.448	96	44819	12.09	ug/L	90
9) Chloroform	9.450	83	93832	11.72	ug/L	97
10) Carbon Tetrachloride	9.650	117	55848	12.03	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	75465	11.70	ug/L	97
12) Benzene	10.267	78	179938	12.09	ug/L	99
14) 1,2-Dichloroethane	10.519	62	92450	12.18	ug/L	90
15) Trichloroethene	10.974	95	54960	12.37	ug/L	97
16) 1,2-Dichloropropane	11.525	63	55869	12.28	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	63161	12.26	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	63161	12.08	ug/L	96
21) Tetrachloroethene	12.752	166	47658	11.98	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65108.D
Acq On : 11 Sep 2021 12:41 am
Operator : charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 09:24:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

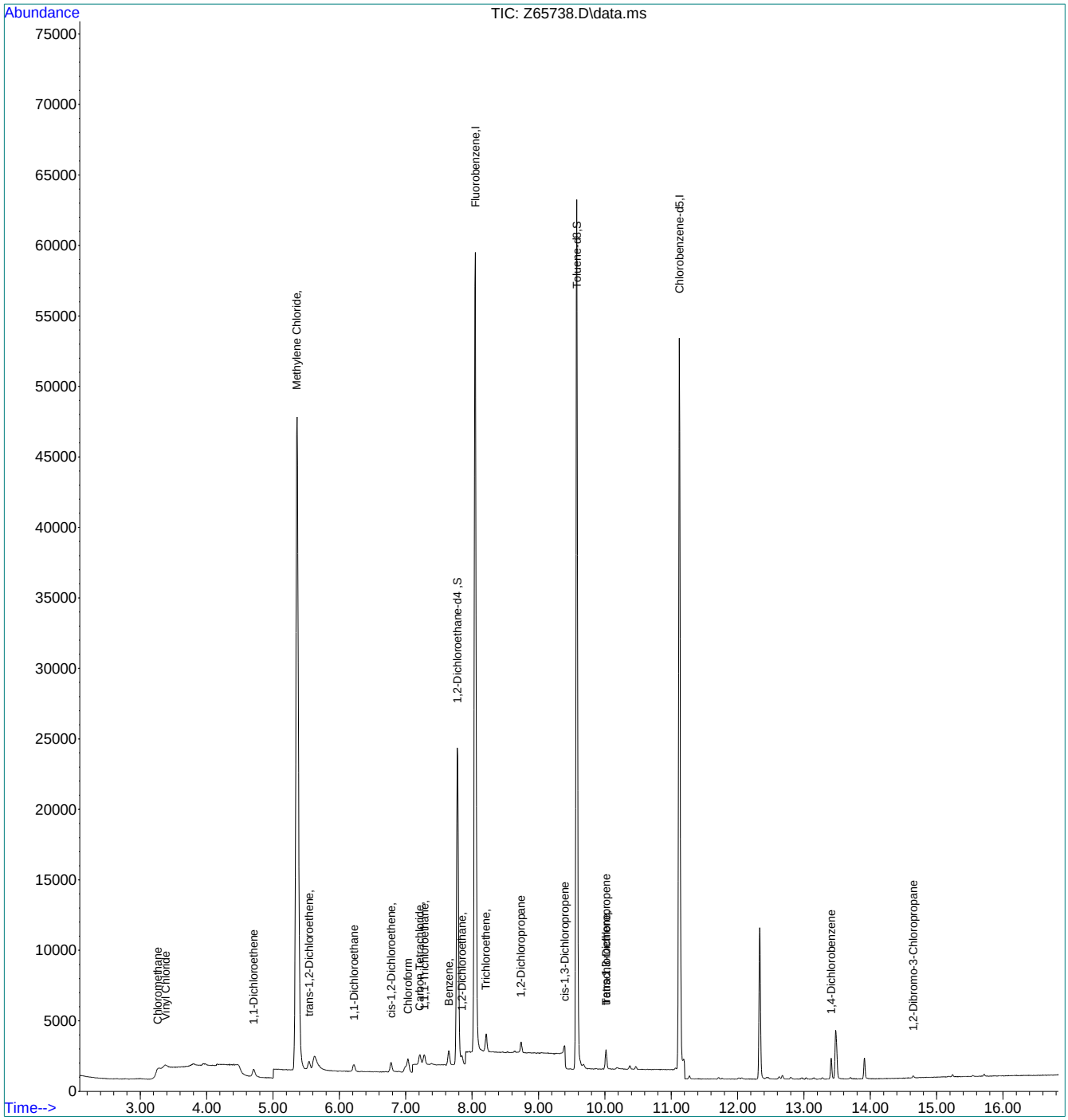
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	68975	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	51570	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	23669	3.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 79.80%			
19) Toluene-d8	9.576	98	61736	5.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 116.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	690	0.06	ug/L	77
3) Chloromethane	3.259	50	1658m	0.13	ug/L	
4) 1,1-Dichloroethene	4.708	61	658	0.06	ug/L	96
5) Methylene Chloride	5.358	49	43638	3.12	ug/L #	66
6) trans-1,2-Dichloroethene	5.545	61	598	0.06	ug/L	80
7) 1,1-Dichloroethane	6.221	63	701	0.05	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	472	0.06	ug/L #	75
9) Chloroform	7.033	83	998m	0.05	ug/L	
10) Carbon Tetrachloride	7.207	117	576m	0.05	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	741m	0.06	ug/L	
12) Benzene	7.648	78	1720	0.06	ug/L	82
14) 1,2-Dichloroethane	7.845	62	606	0.06	ug/L #	66
15) Trichloroethene	8.208	95	498	0.06	ug/L	97
16) 1,2-Dichloropropane	8.736	63	415	0.06	ug/L	88
17) cis-1,3-Dichloropropene	9.394	75	559	0.06	ug/L #	65
20) trans-1,3-Dichloropropene	10.017	75	395	0.06	ug/L	79
21) Tetrachloroethene	10.017	166	436	0.06	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	936m	0.07	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	104m	0.10	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

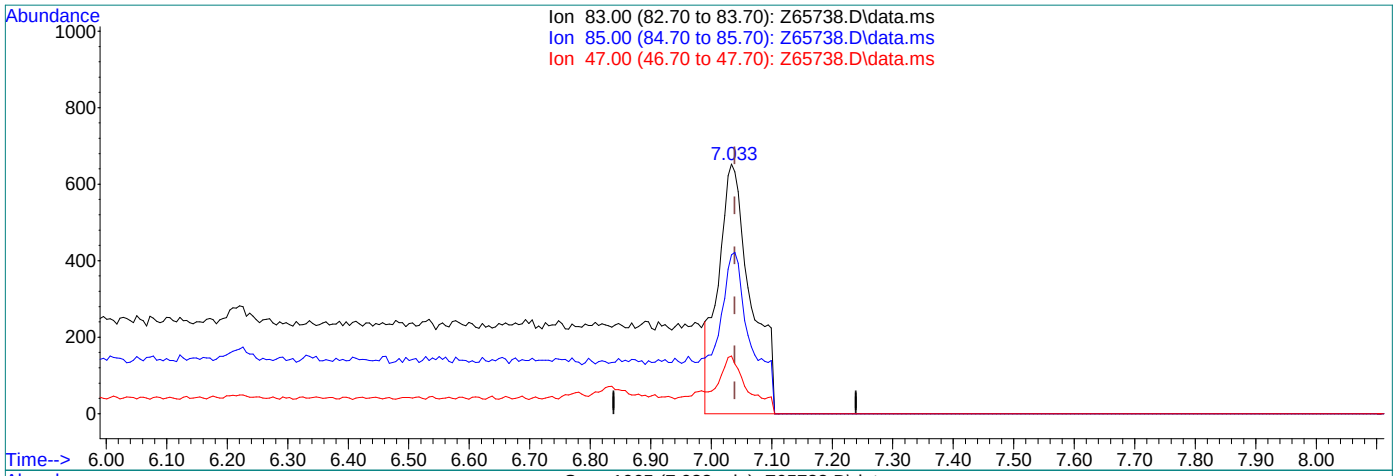
Sample Number: VZ2586-IC2586
Lab FileID: Z65738.D
Injection Time: 09/07/21 10:06
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

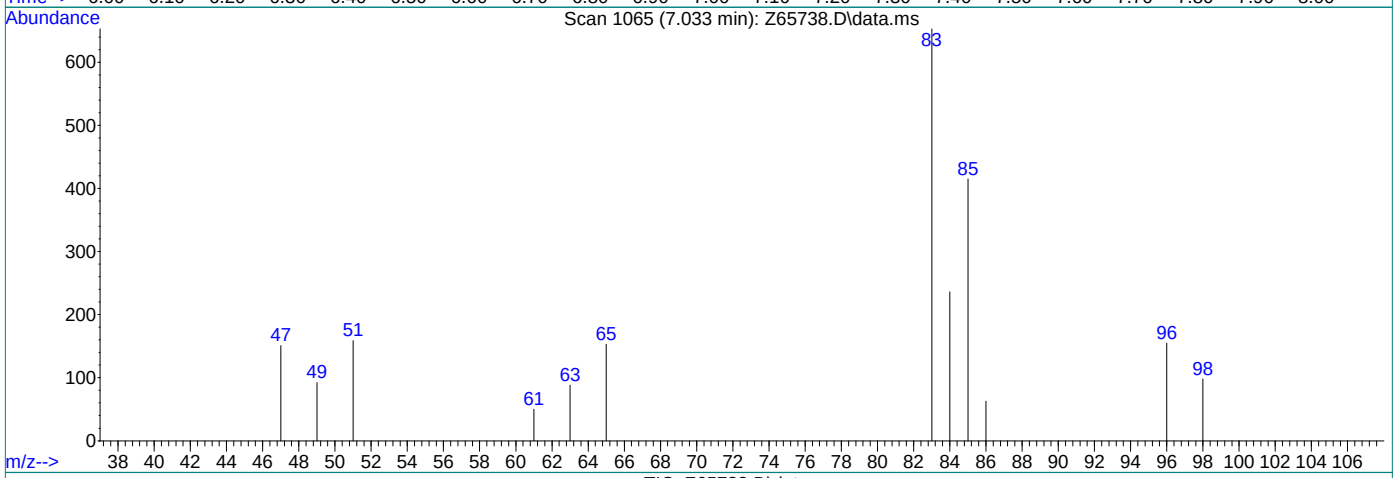
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.26	Overlapping peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.12ug/L

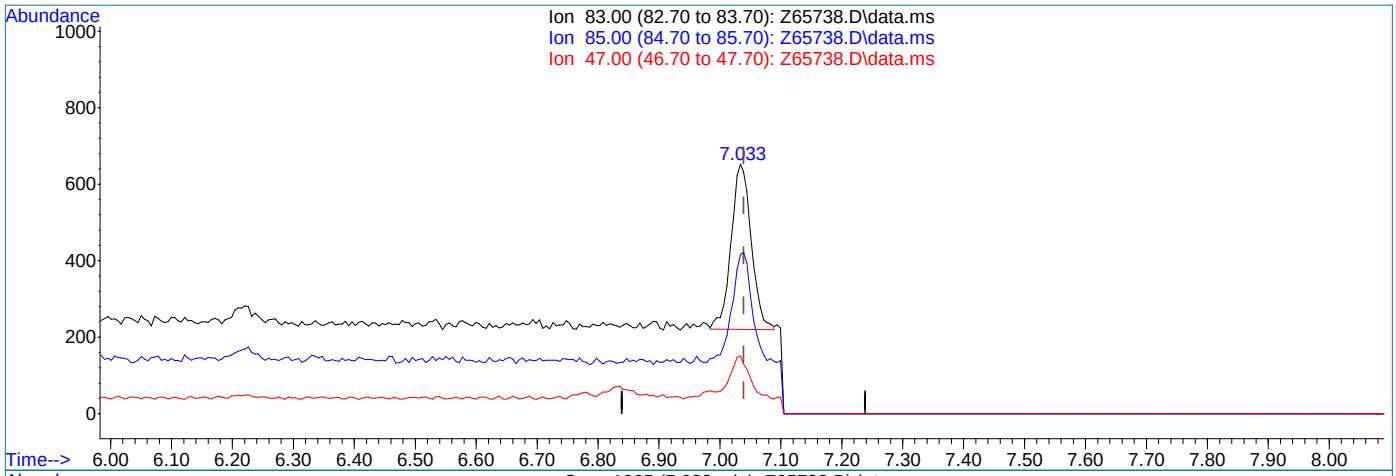
response 2476

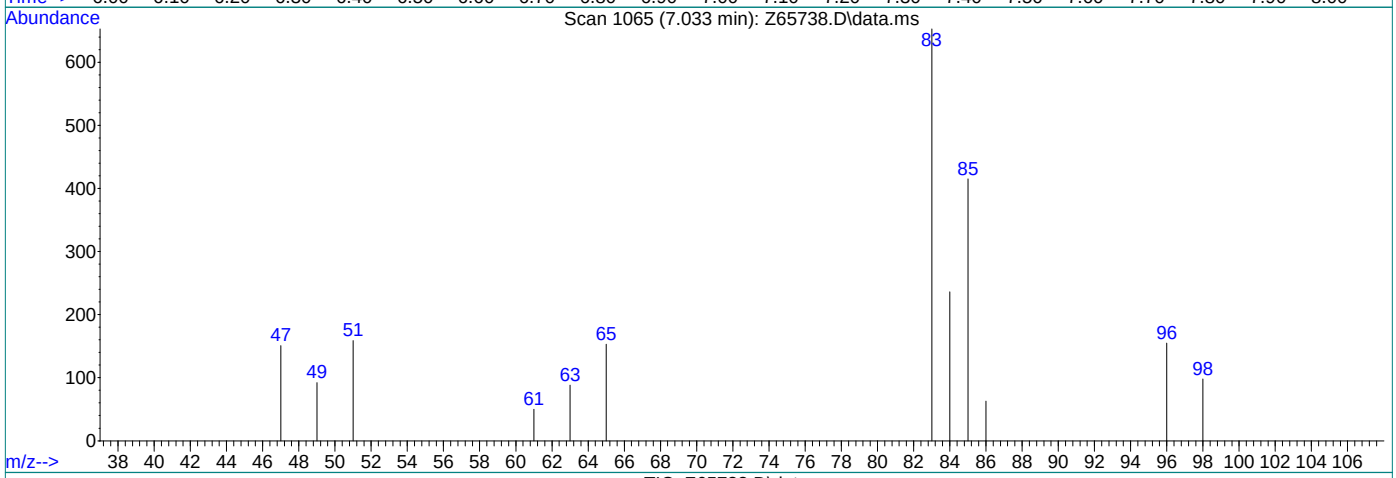
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.05ug/L m

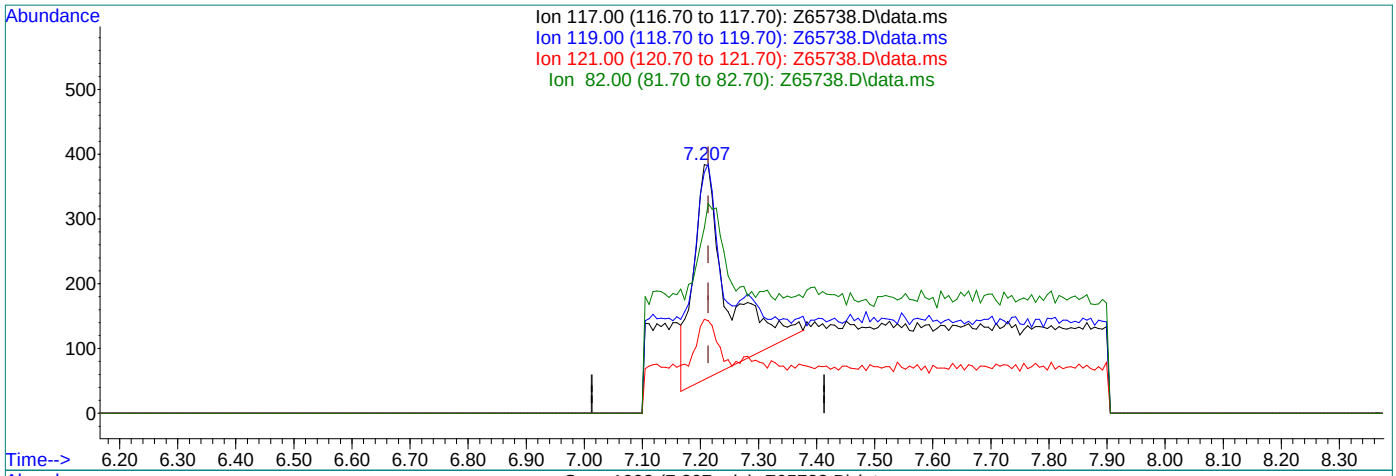
response 998

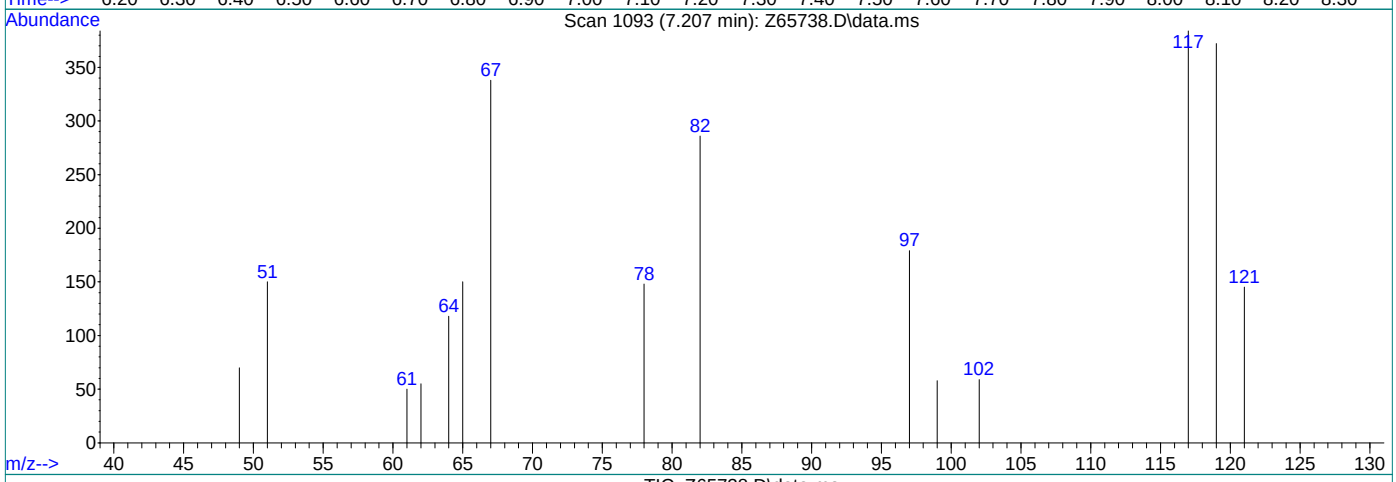
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.13ug/L

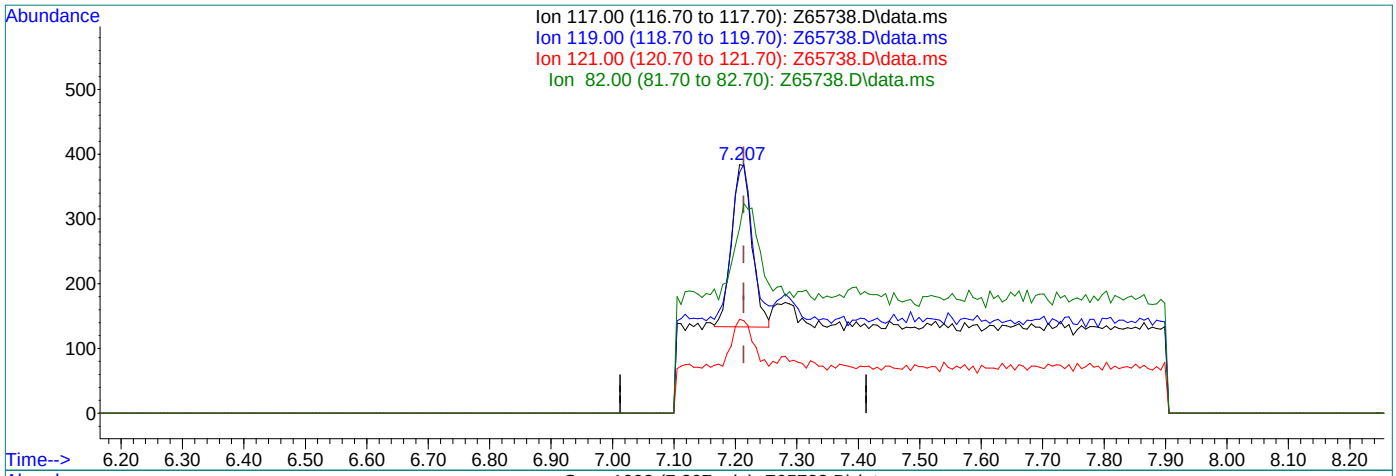
response 1341

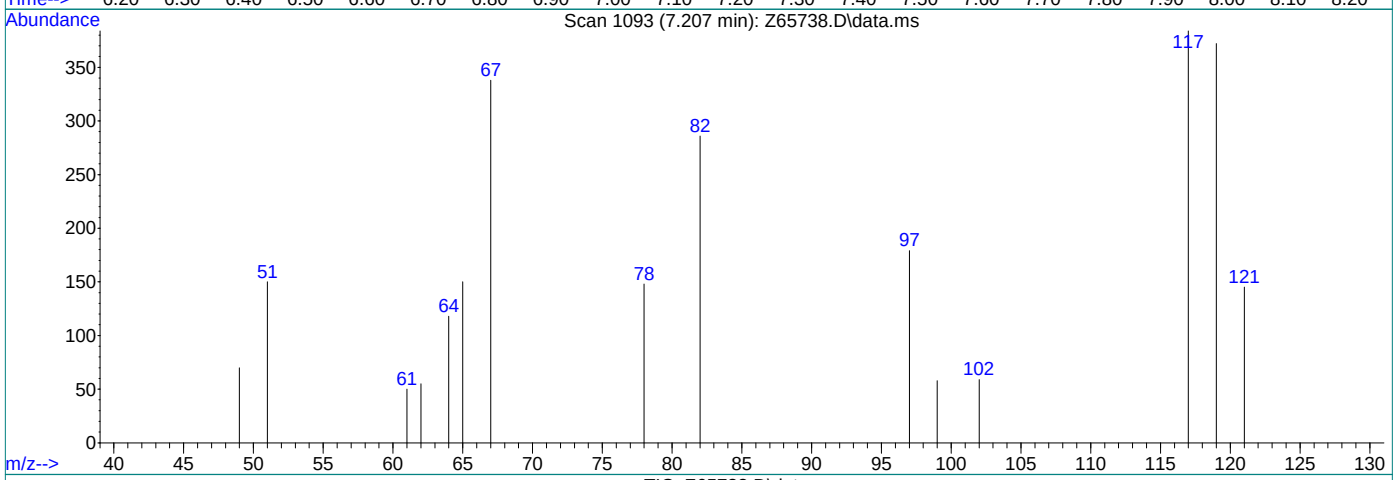
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	88.67
121.00	31.60	27.73
82.00	24.20	41.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.05ug/L m

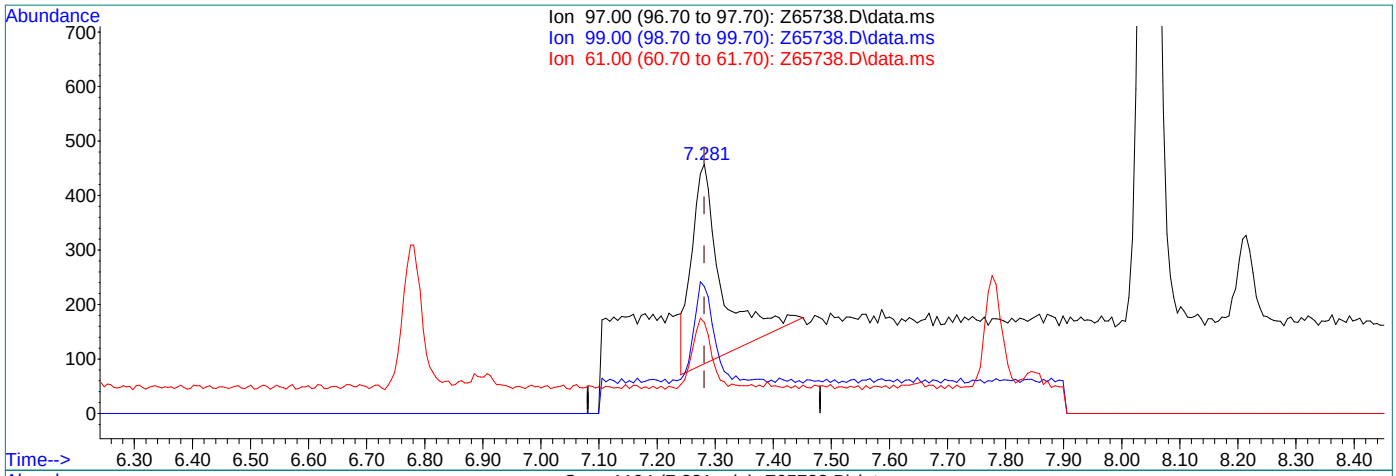
response 576

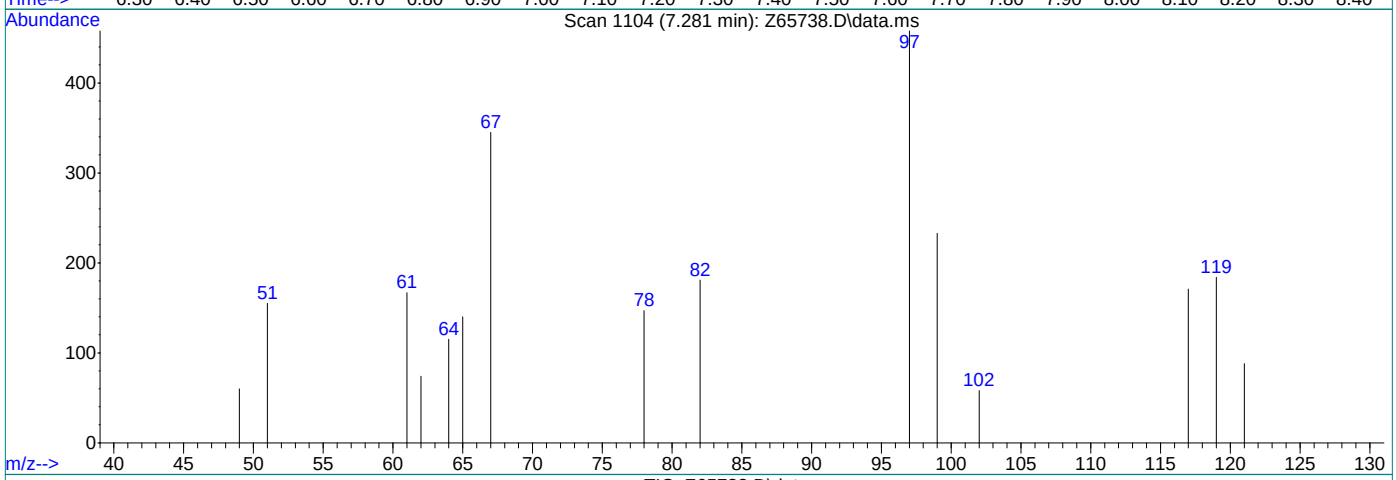
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.88
121.00	31.60	37.76
82.00	24.20	74.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.10ug/L

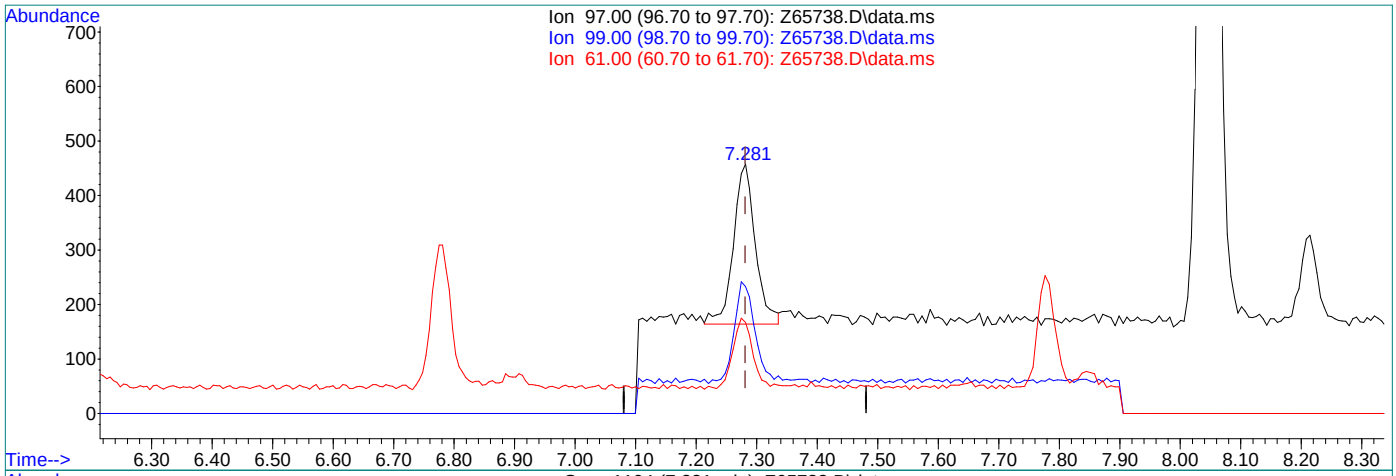
response 1328

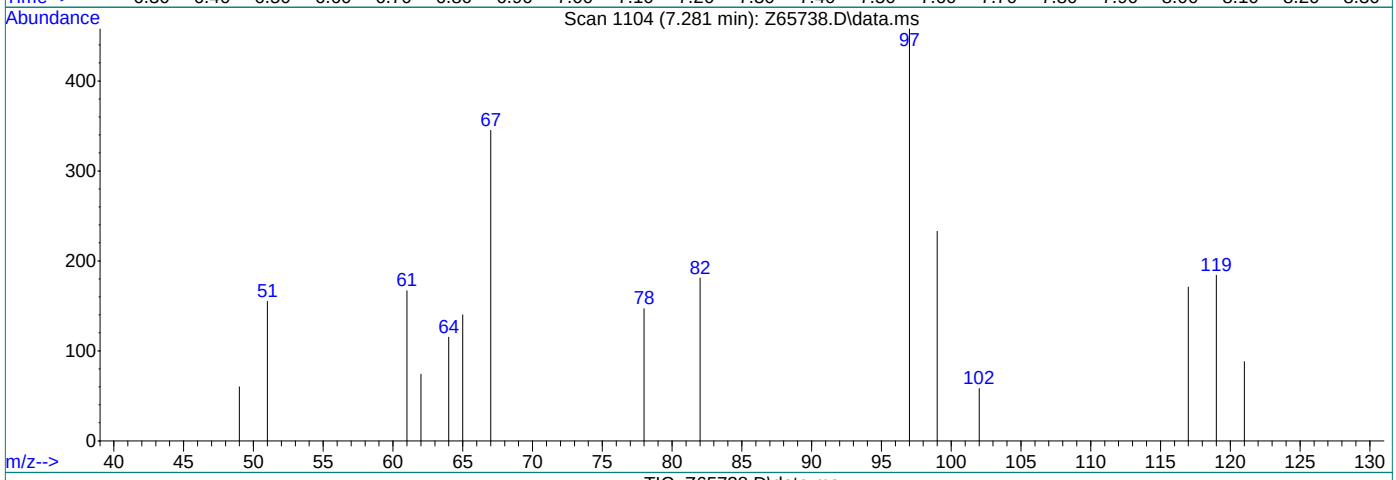
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.77
61.00	61.40	40.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.06ug/L m

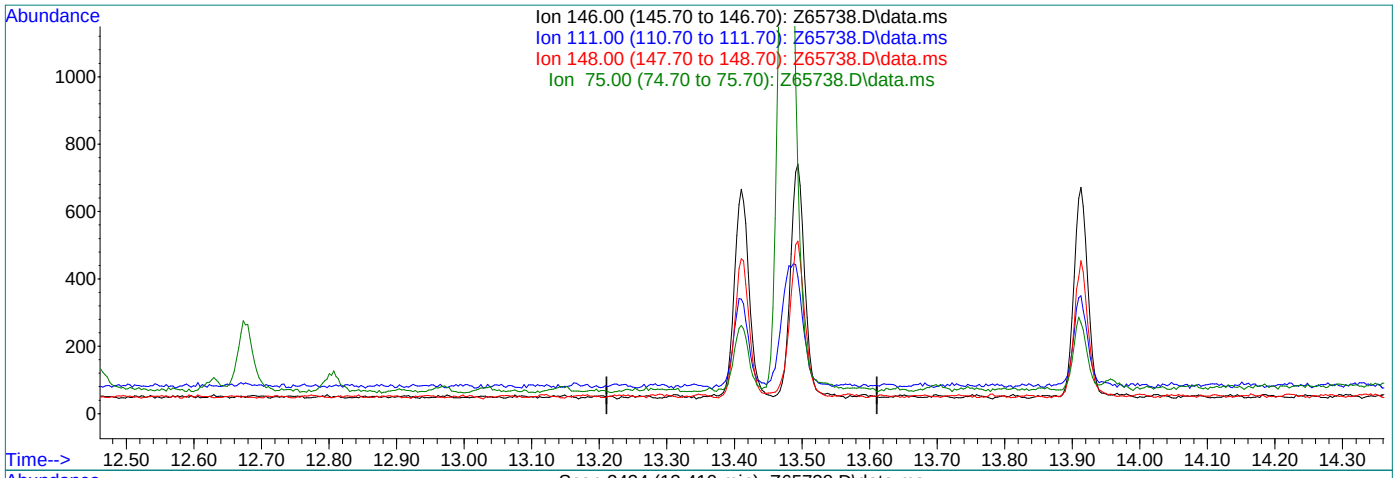
response 741

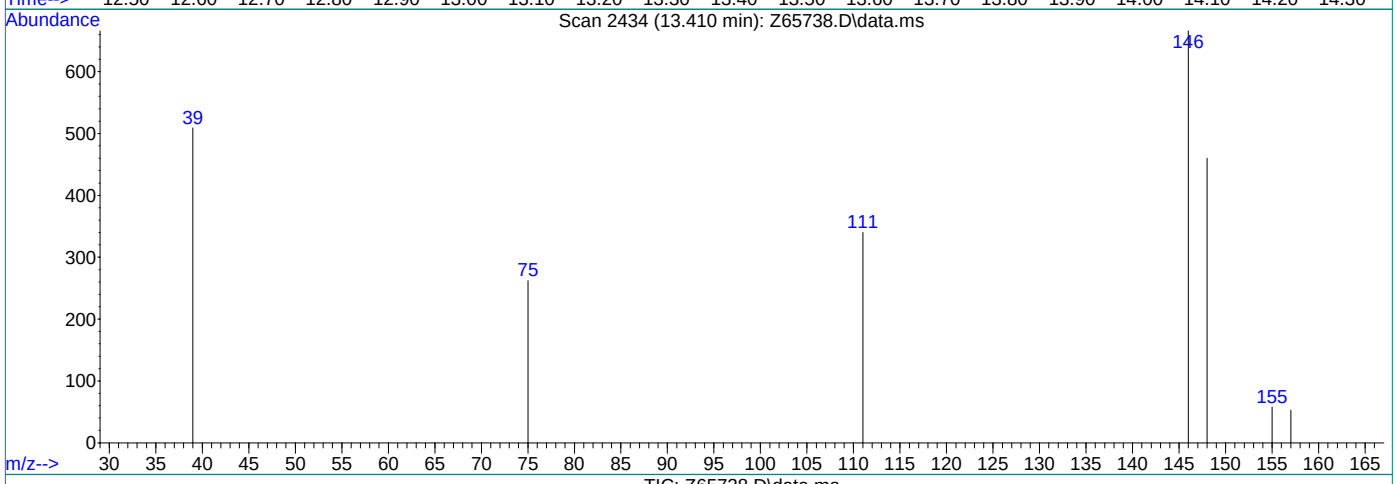
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	50.87
61.00	61.40	36.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.411min (-13.411) 0.00ug/L

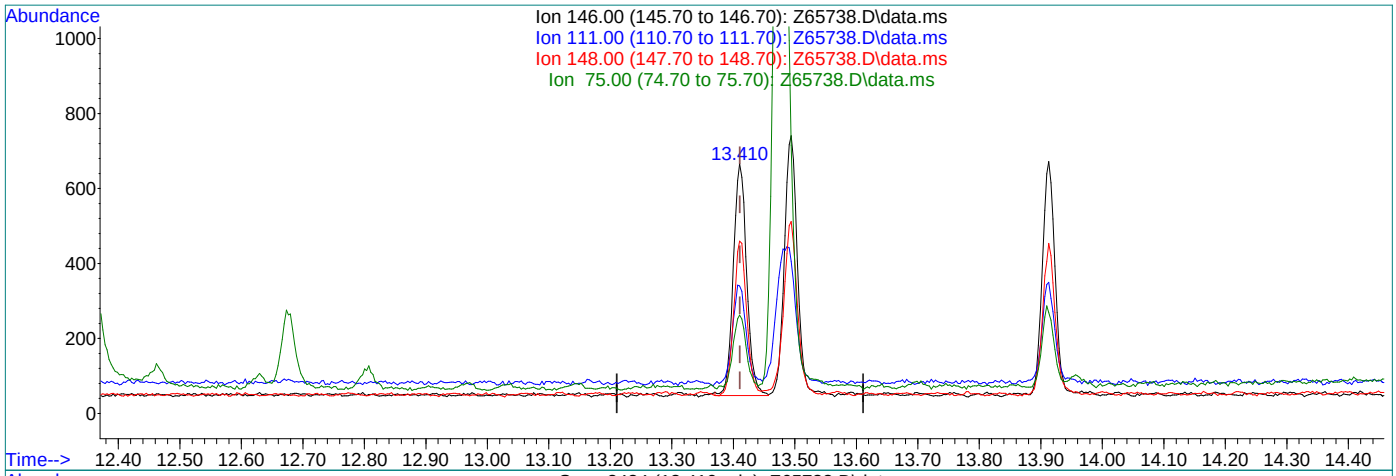
response 0

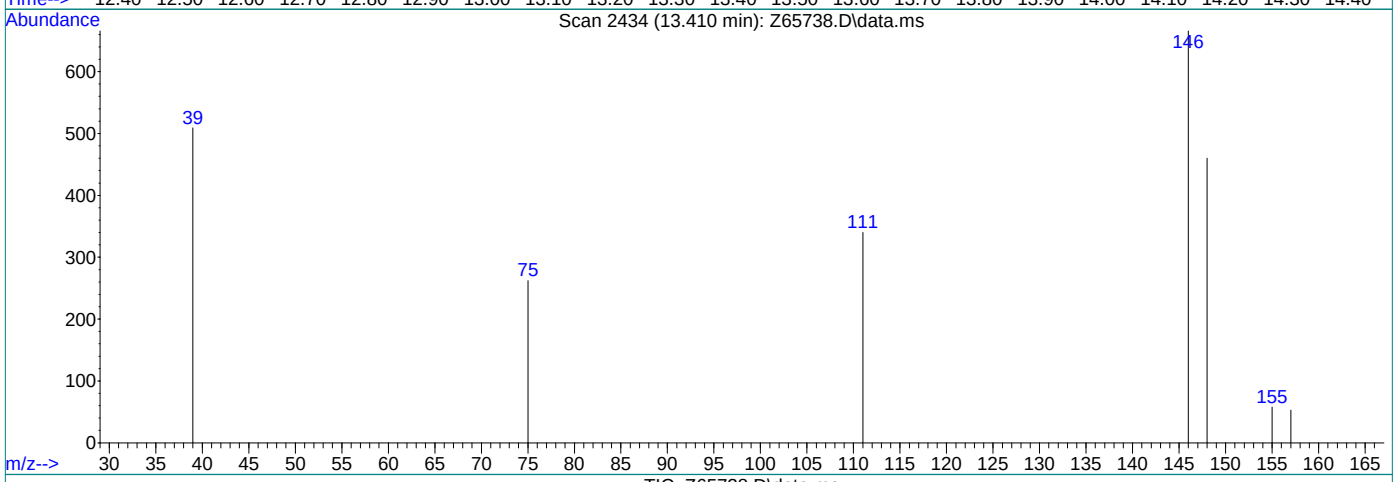
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-0.001) 0.07ug/L m

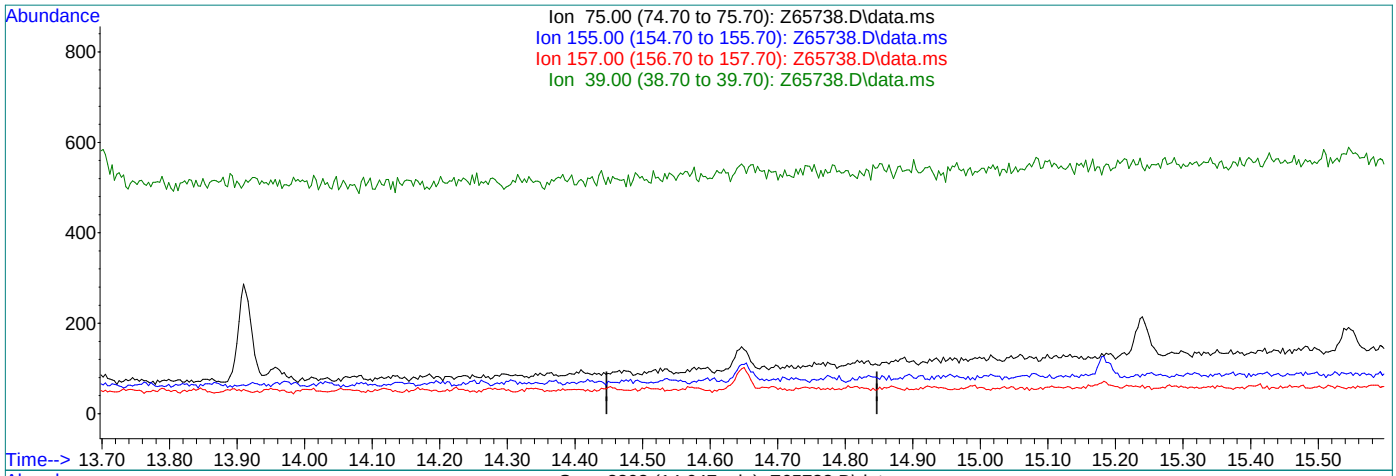
response 936

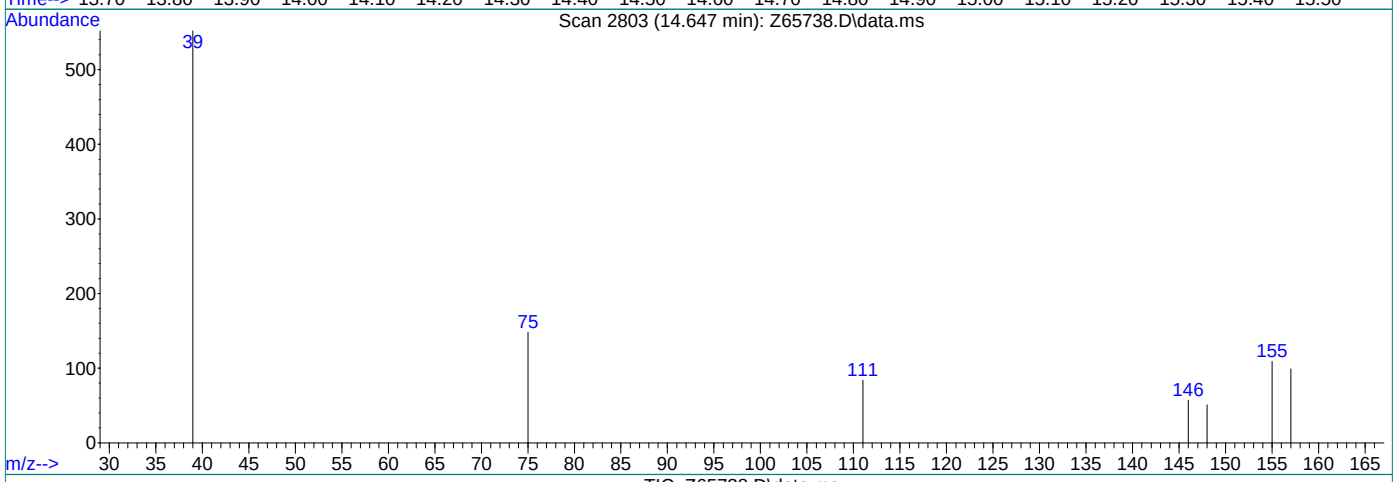
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	51.05
148.00	63.10	69.07
75.00	17.60	39.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

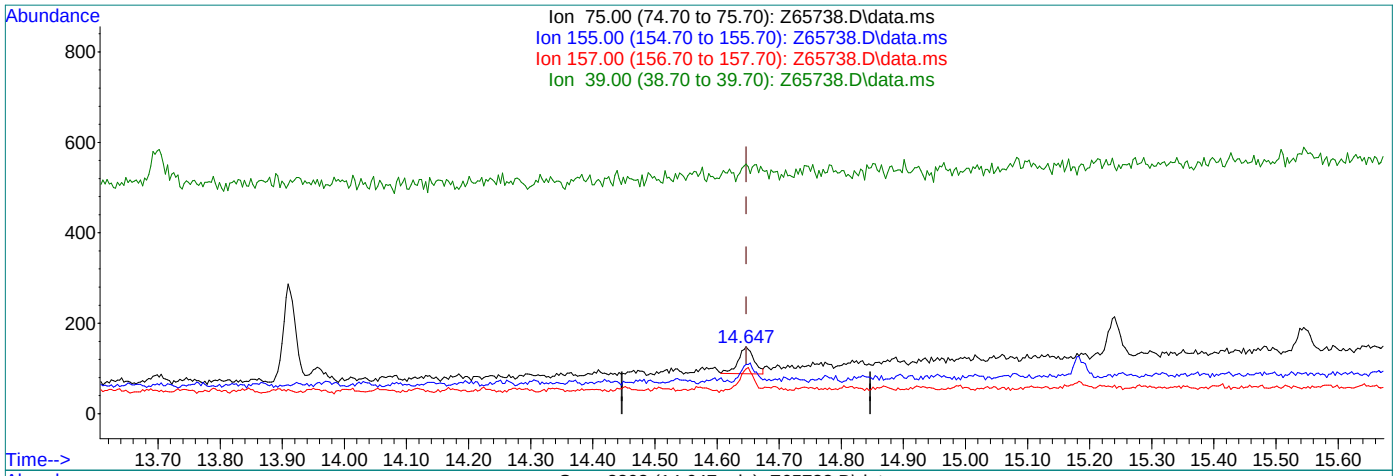
response 0

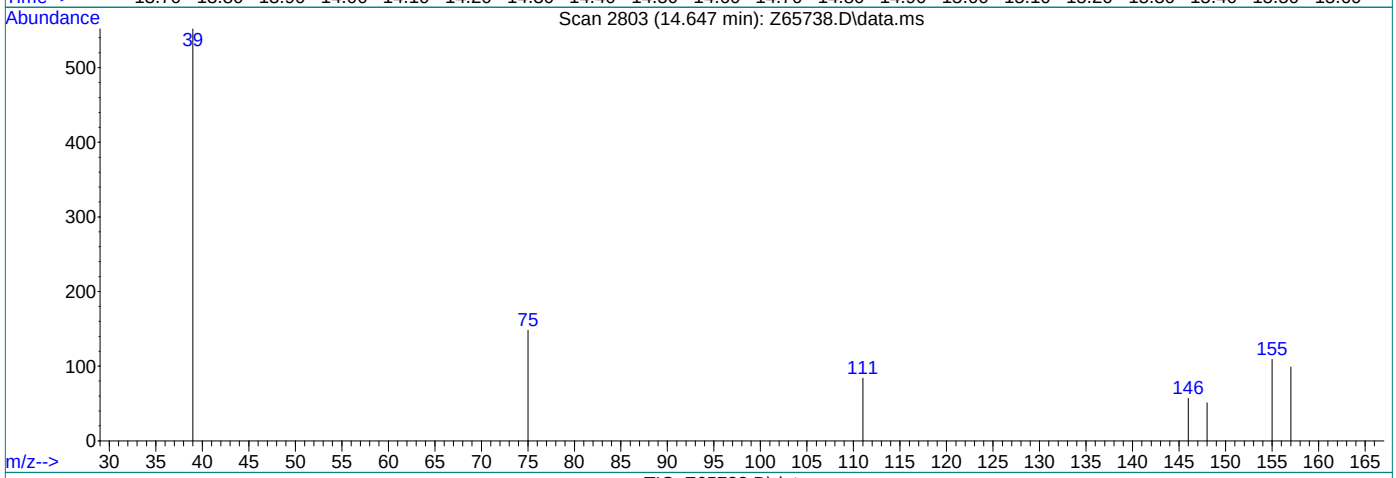
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.10ug/L m

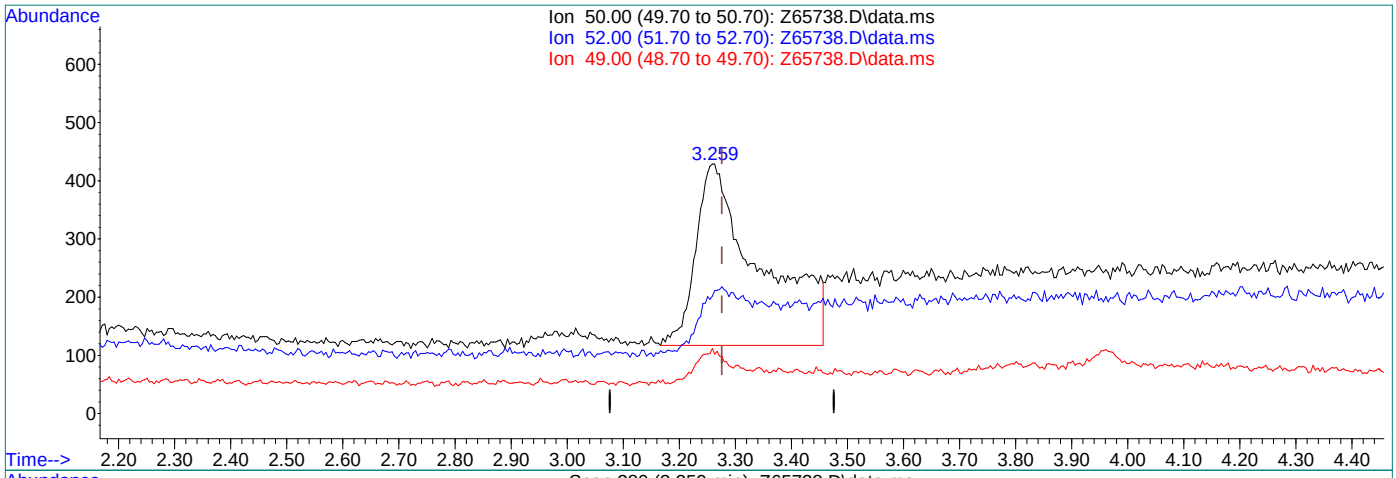
response 104

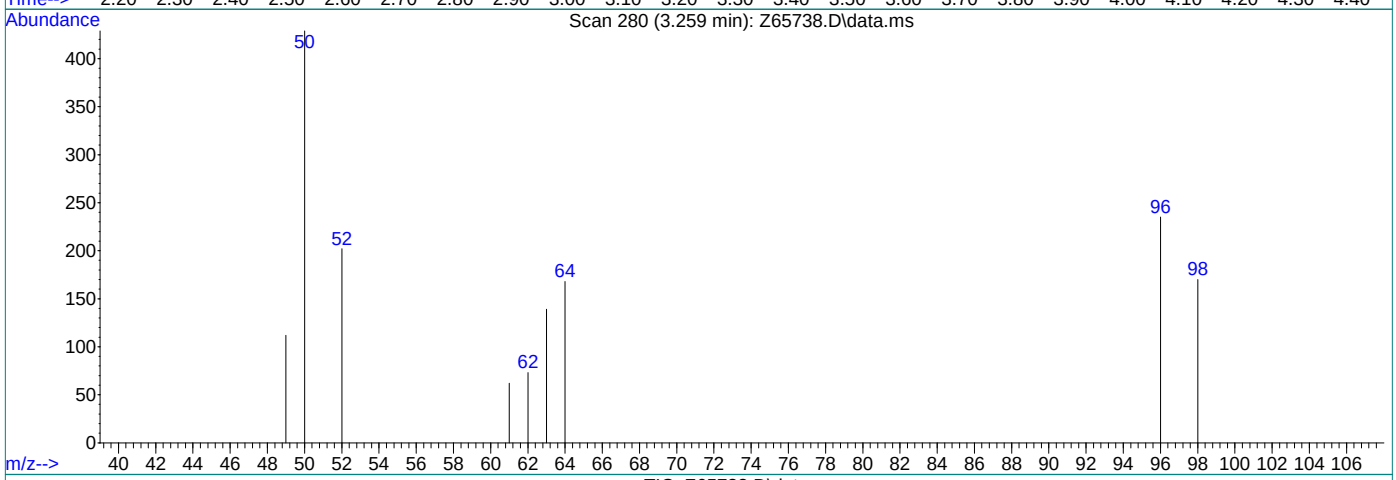
Ion	Exp%	Act%
75.00	100	100
155.00	67.70	73.65
157.00	81.90	66.89
39.00	23.90	372.97#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.19ug/L

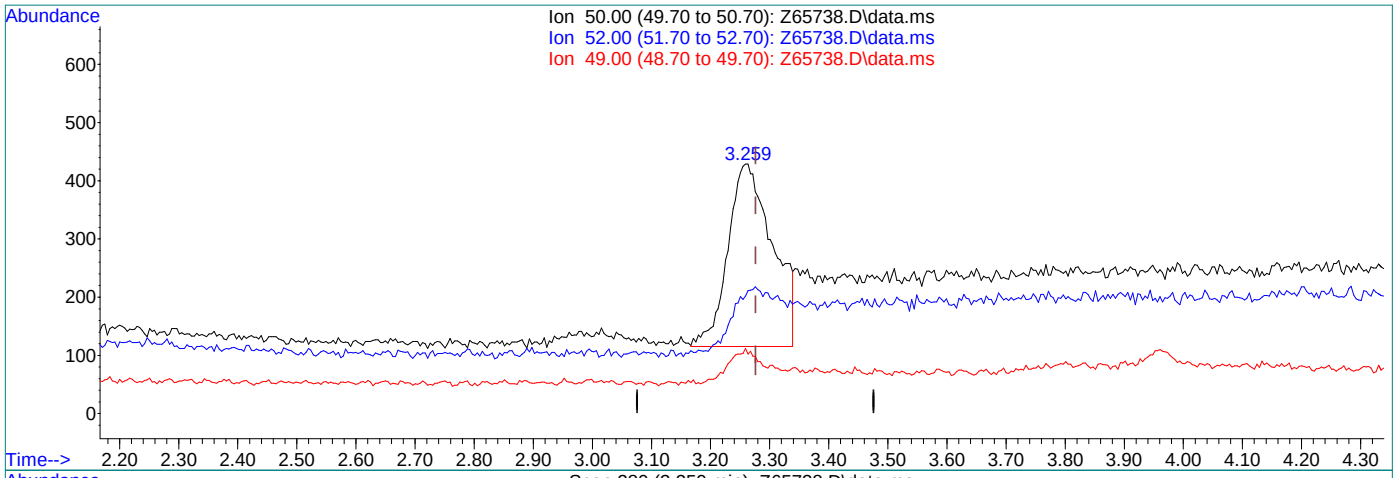
response 2471

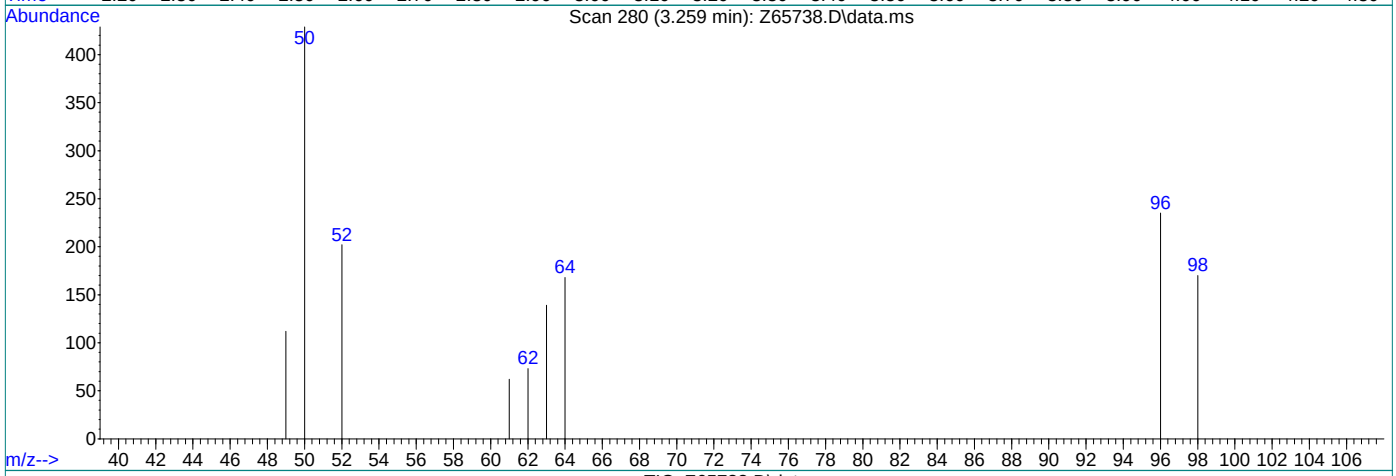
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	30.13
49.00	9.90	18.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.13ug/L m

response 1658

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	47.09
49.00	9.90	26.11
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	61634	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	45214	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21254	4.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 84.00%			
19) Toluene-d8	9.576	98	55507	5.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 117.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	2944m	0.31	ug/L	
3) Chloromethane	3.255	50	4047m	0.38	ug/L	
4) 1,1-Dichloroethene	4.713	61	4309	0.44	ug/L	96
5) Methylene Chloride	5.364	49	36659	0.57	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	4063	0.45	ug/L	81
7) 1,1-Dichloroethane	6.221	63	4733	0.41	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	3178	0.49	ug/L #	74
9) Chloroform	7.039	83	5704m	0.39	ug/L	
10) Carbon Tetrachloride	7.213	117	3653m	0.41	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	4454m	0.40	ug/L	
12) Benzene	7.648	78	10704	0.45	ug/L	81
14) 1,2-Dichloroethane	7.851	62	3808	0.42	ug/L	82
15) Trichloroethene	8.214	95	3030	0.44	ug/L	92
16) 1,2-Dichloropropane	8.742	63	2735	0.45	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	3587	0.48	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	2476	0.42	ug/L #	73
21) Tetrachloroethene	10.022	166	2944	0.51	ug/L #	97
22) 1,4-Dichlorobenzene	13.410	146	6085	0.52	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	436m	0.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

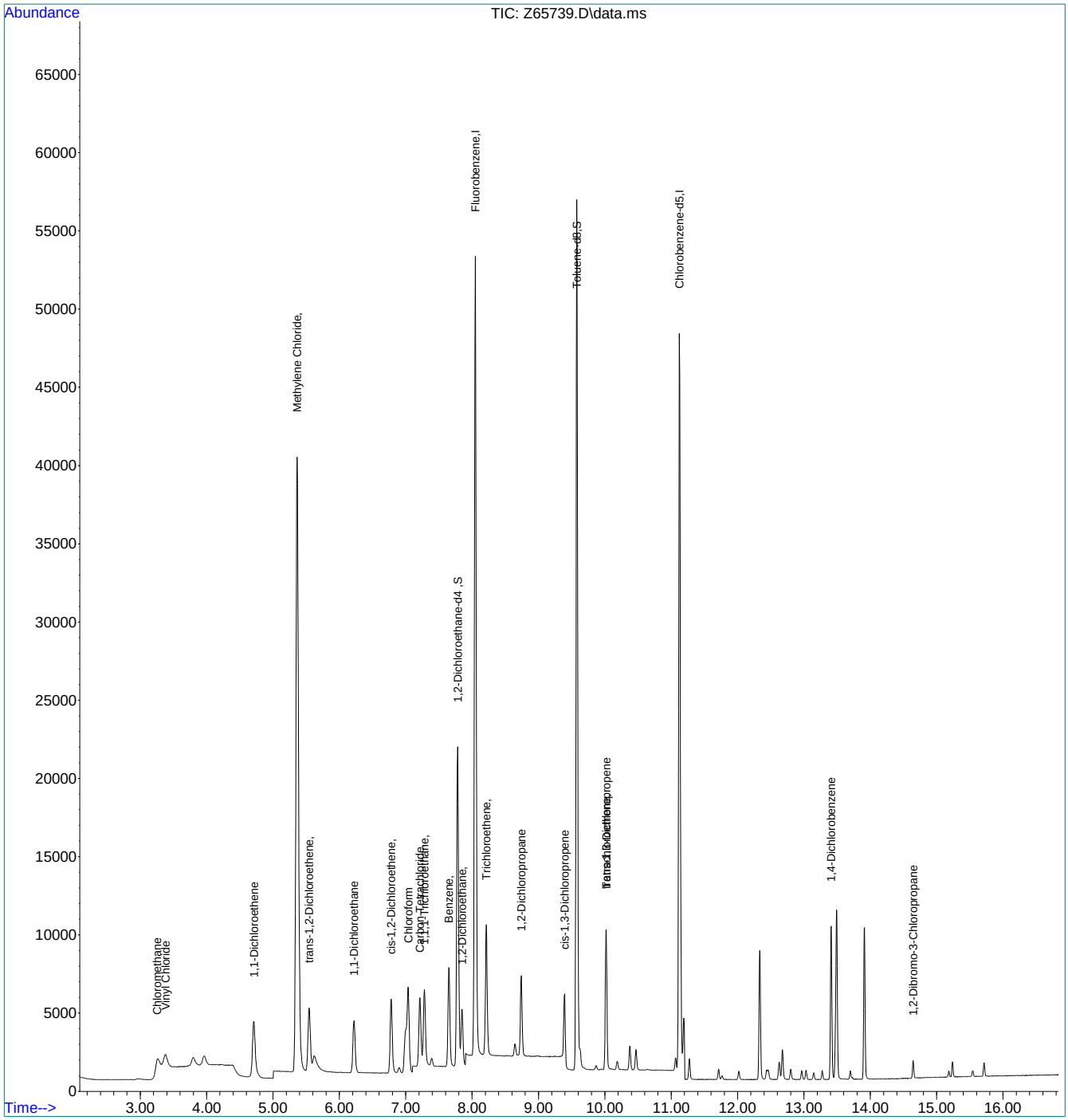
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



Manual Integration Approval Summary

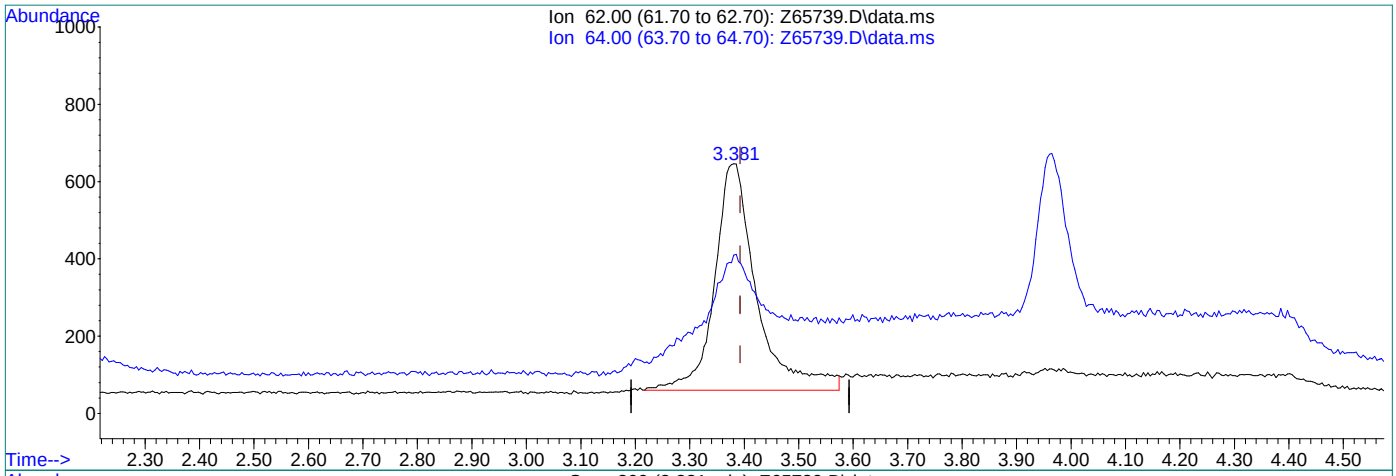
Sample Number: VZ2586-IC2586
Lab FileID: Z65739.D
Injection Time: 09/07/21 10:26
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

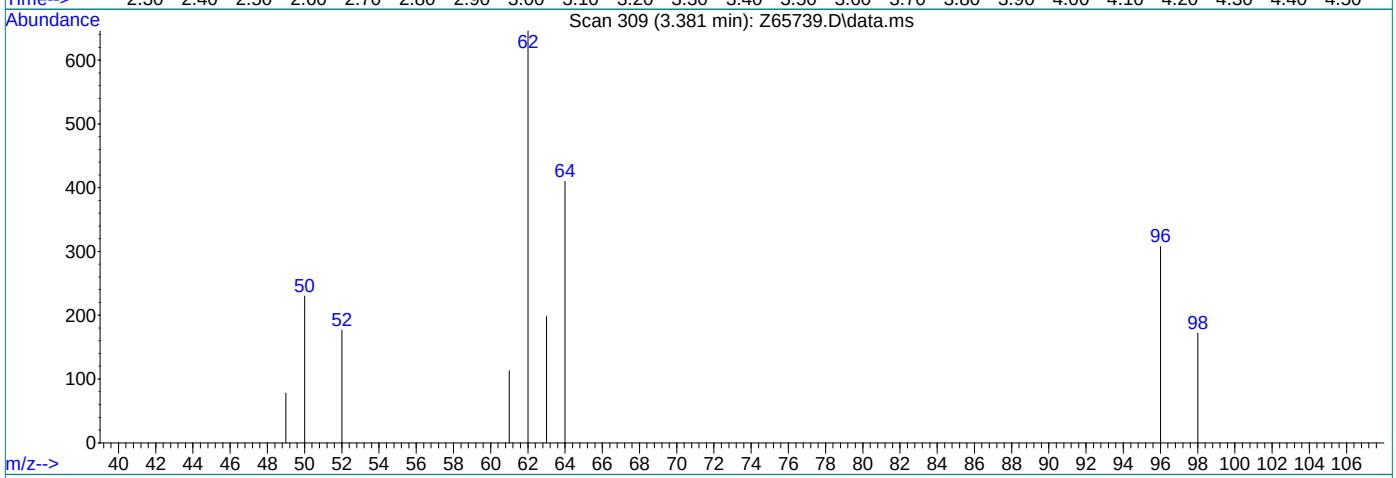
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.25	Overlapping peak
Vinyl Chloride	75-01-4		3.38	Poorly defined baseline
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.33ug/L

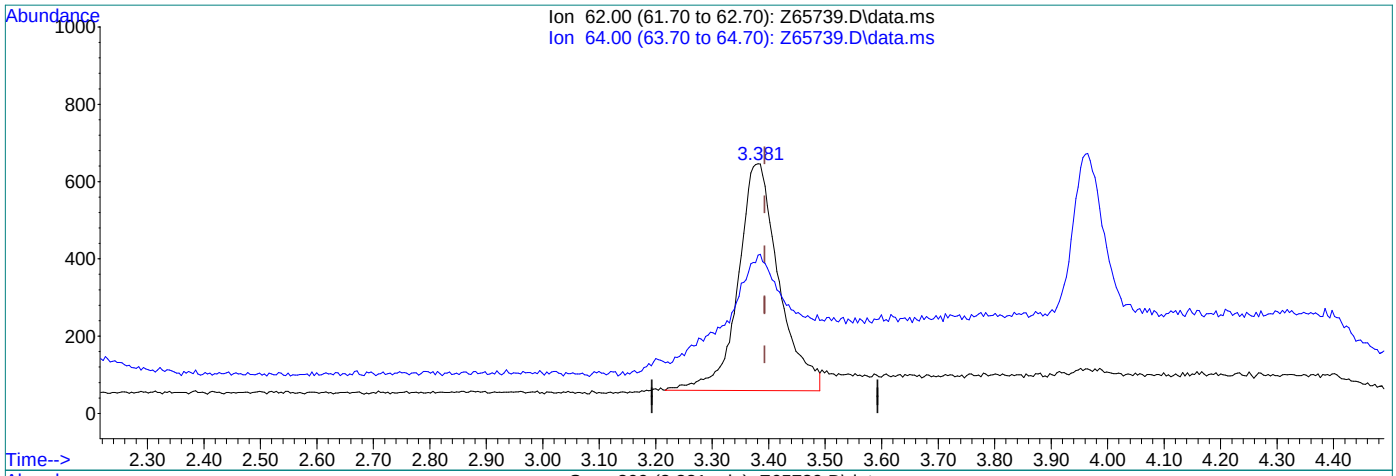
response 3145

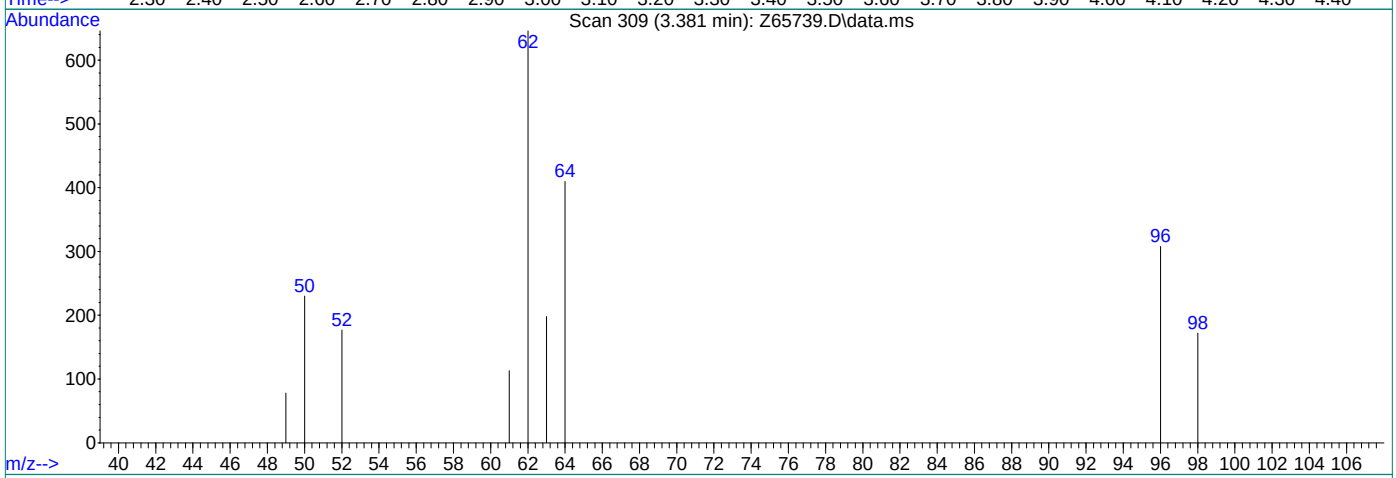
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.31ug/L m

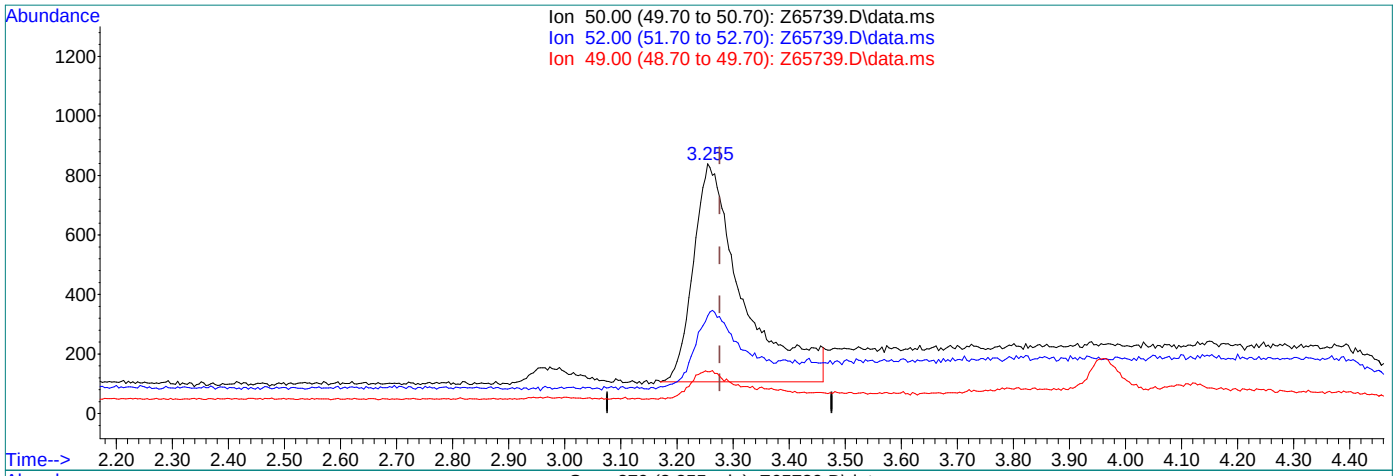
response 2944

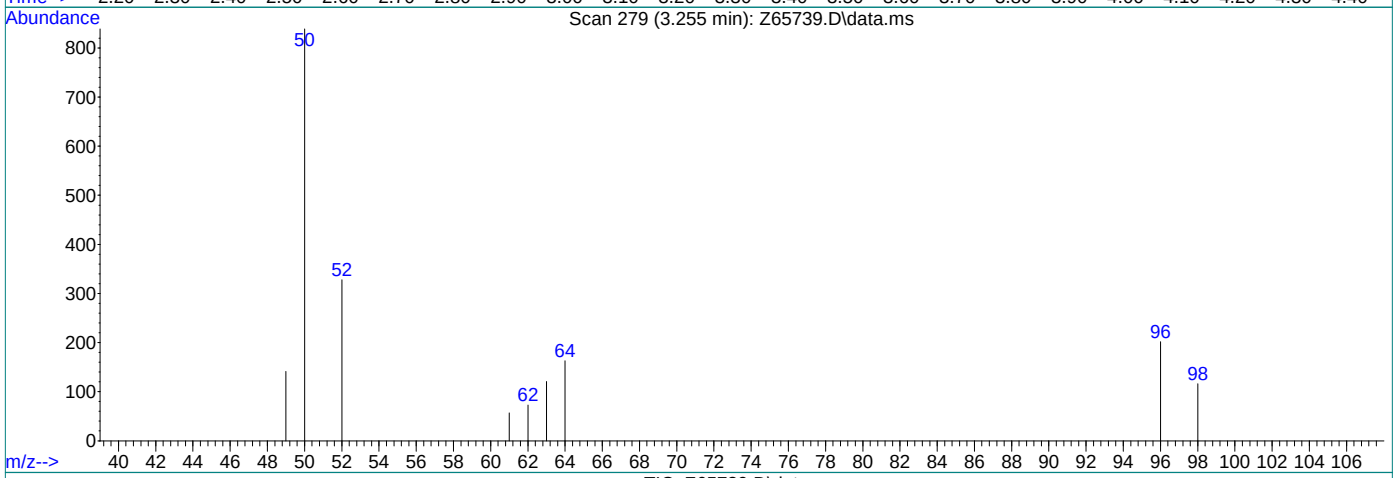
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	63.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.42ug/L

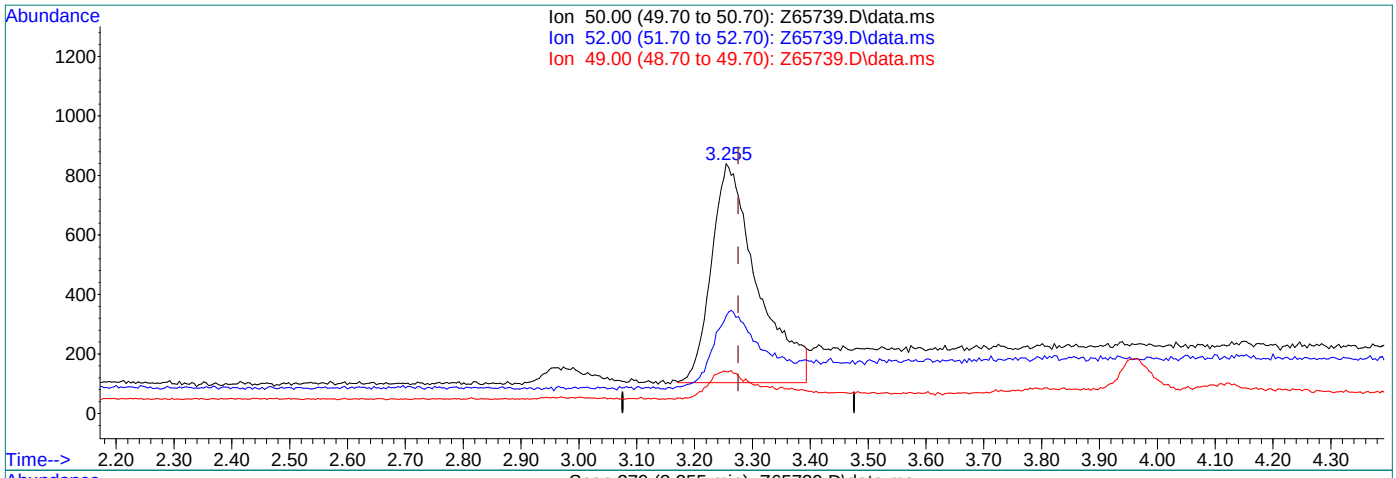
response 4460

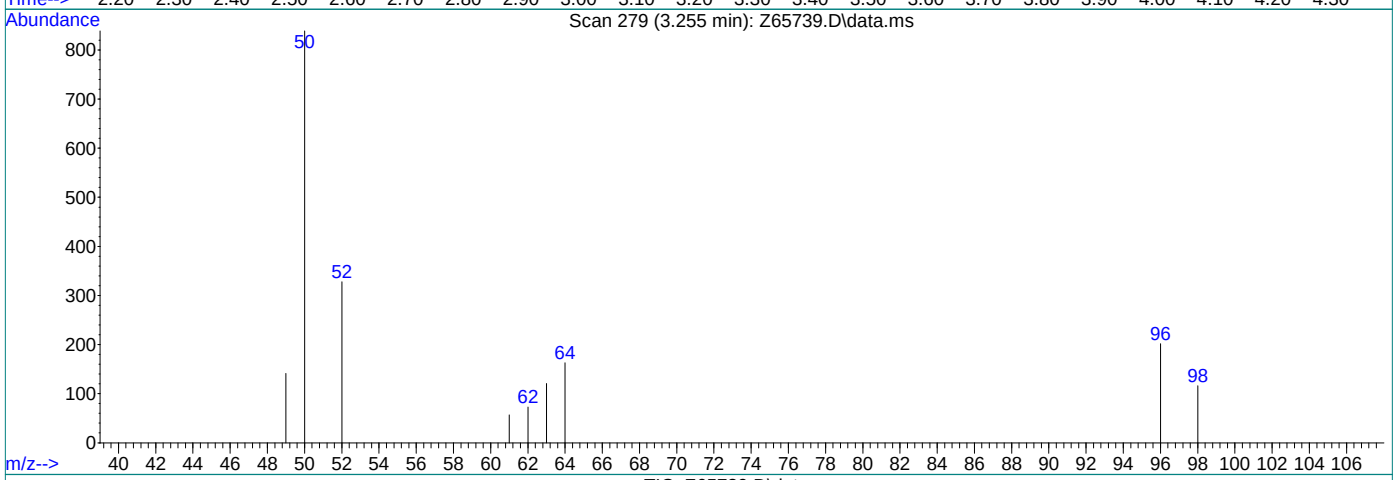
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	32.38
49.00	9.90	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.38ug/L m

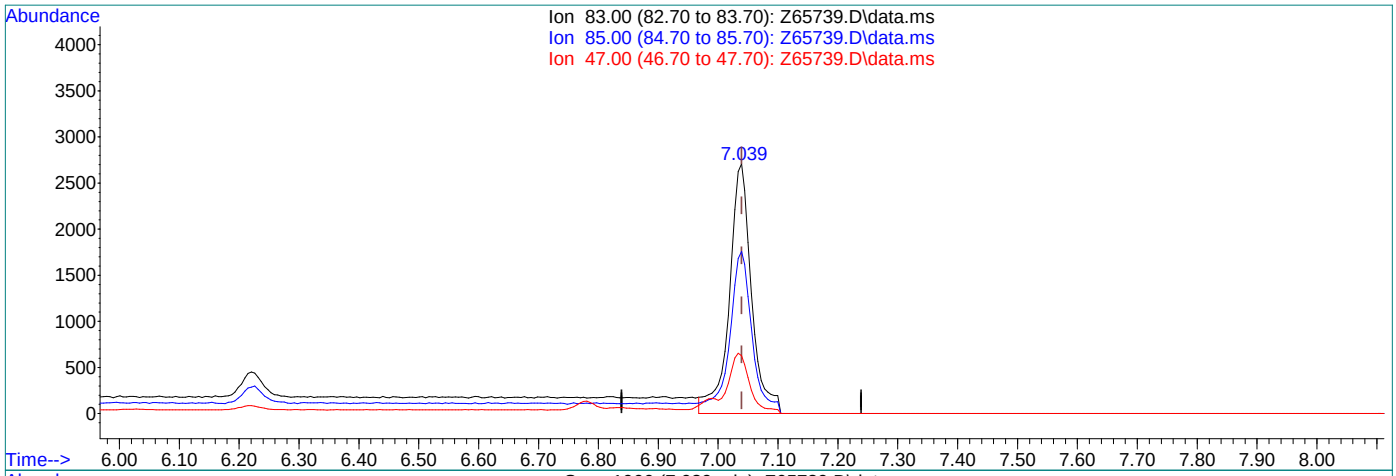
response 4047

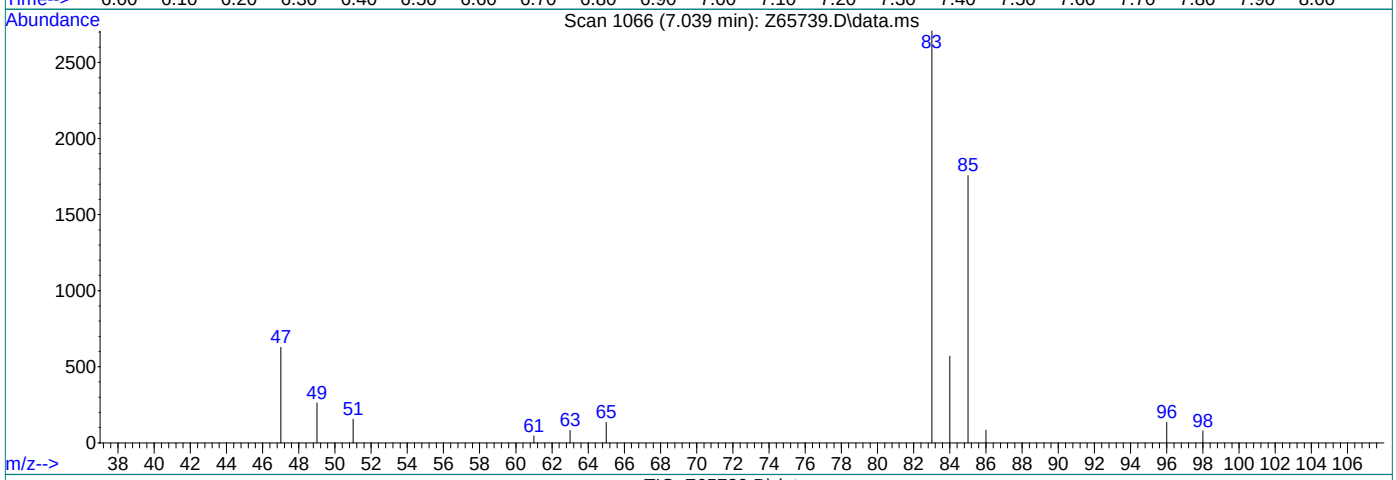
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.09
49.00	9.90	16.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.48ug/L

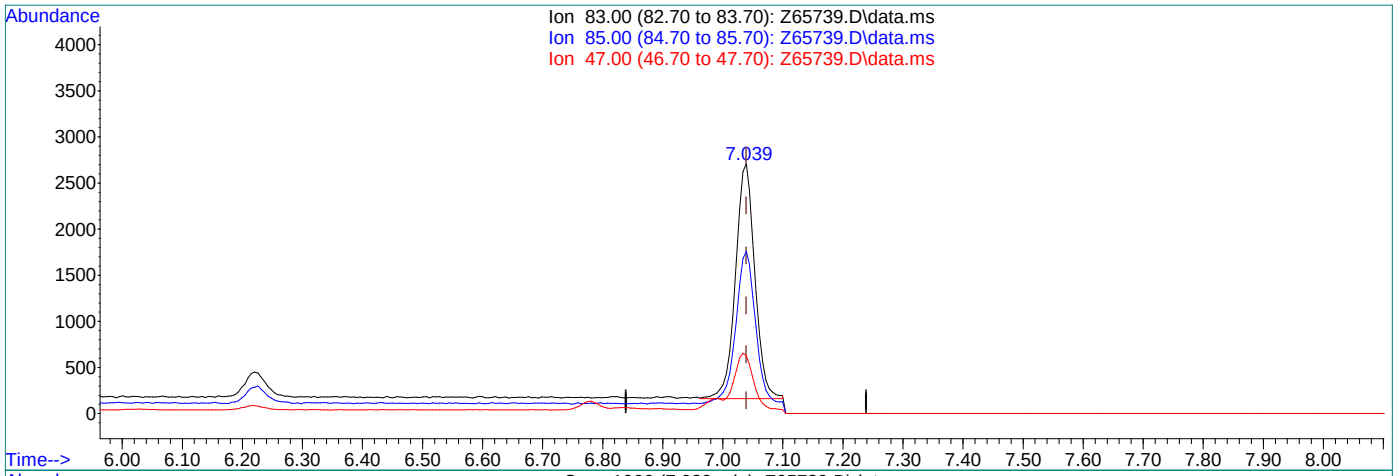
response 7044

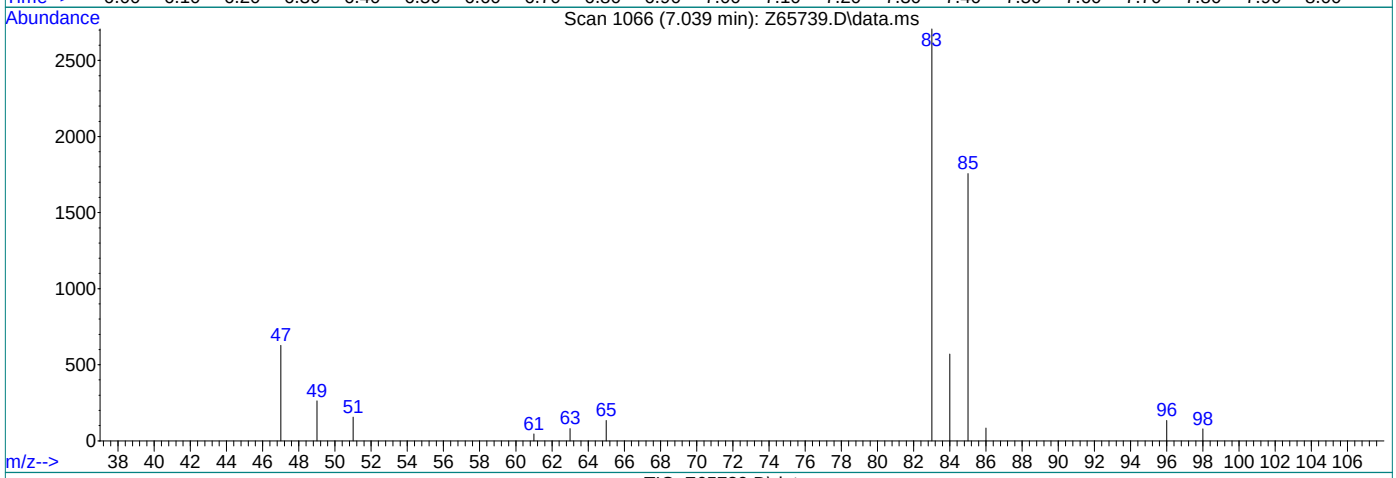
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.39ug/L m

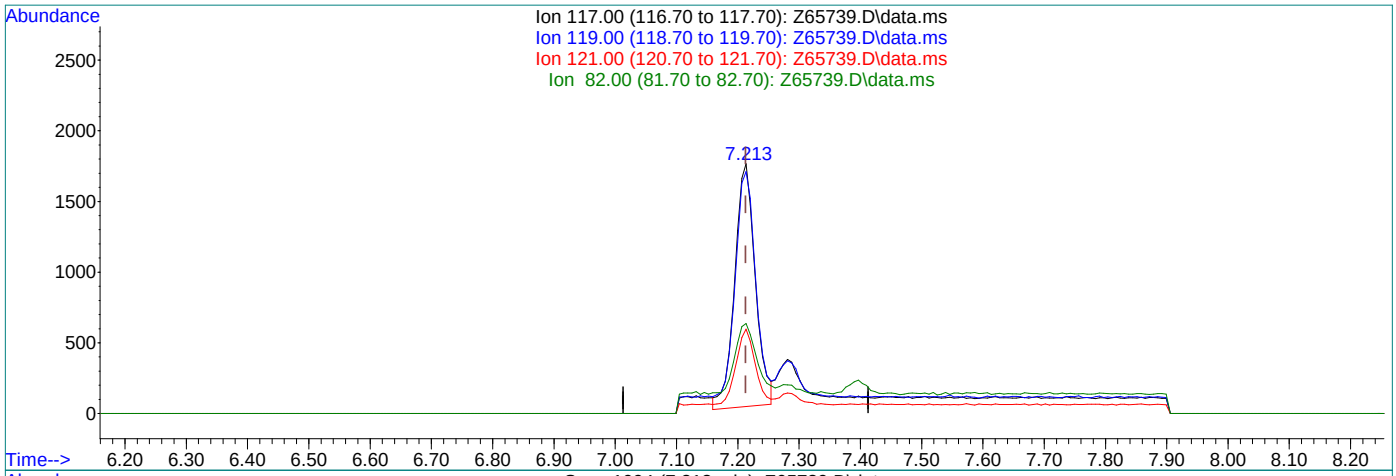
response 5704

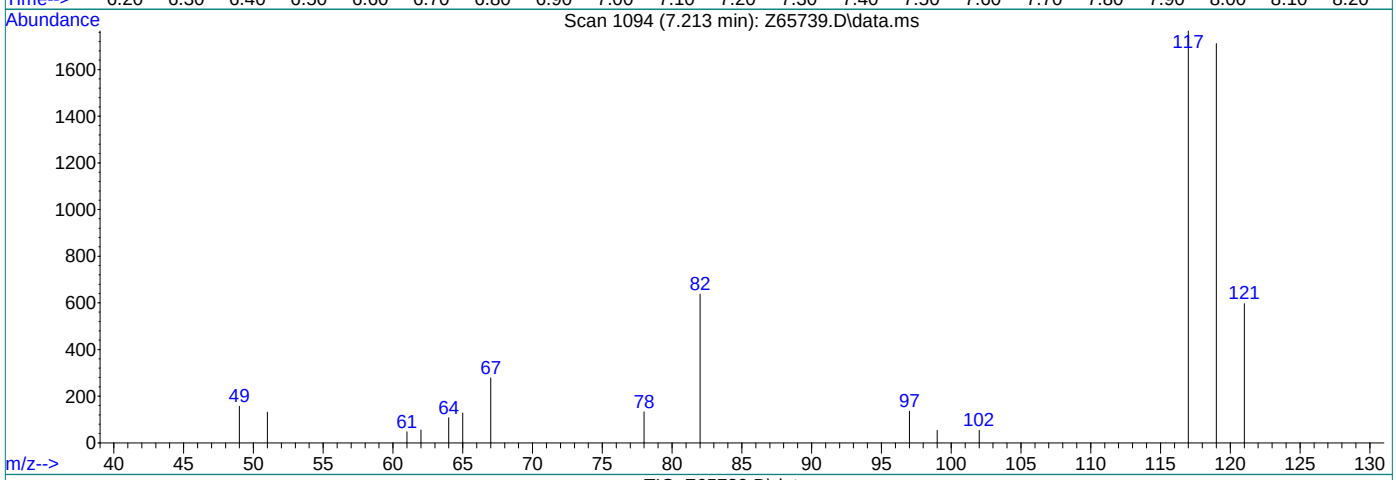
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.45ug/L

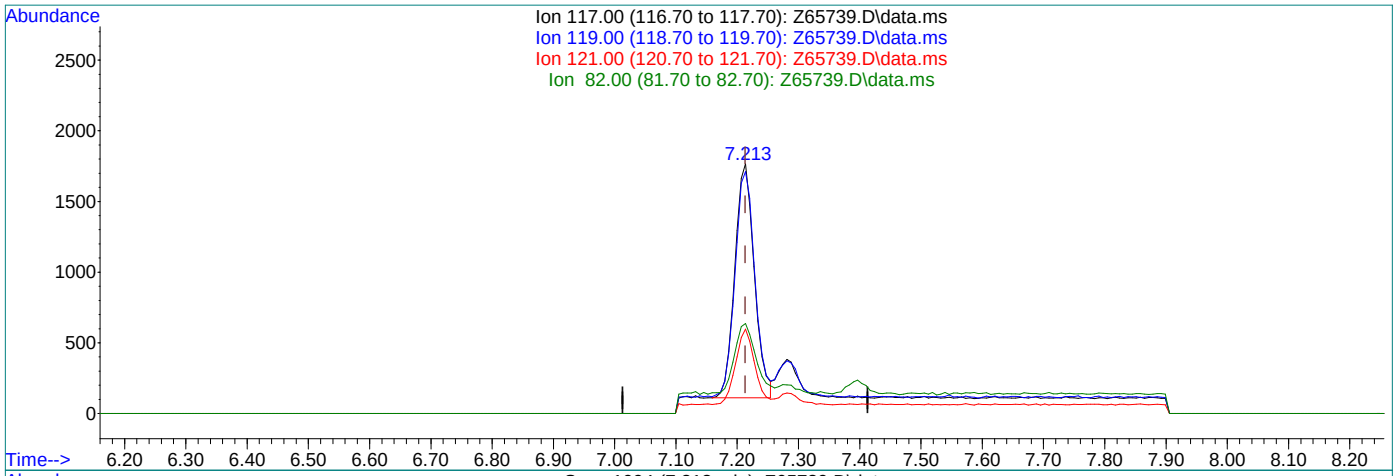
response 4018

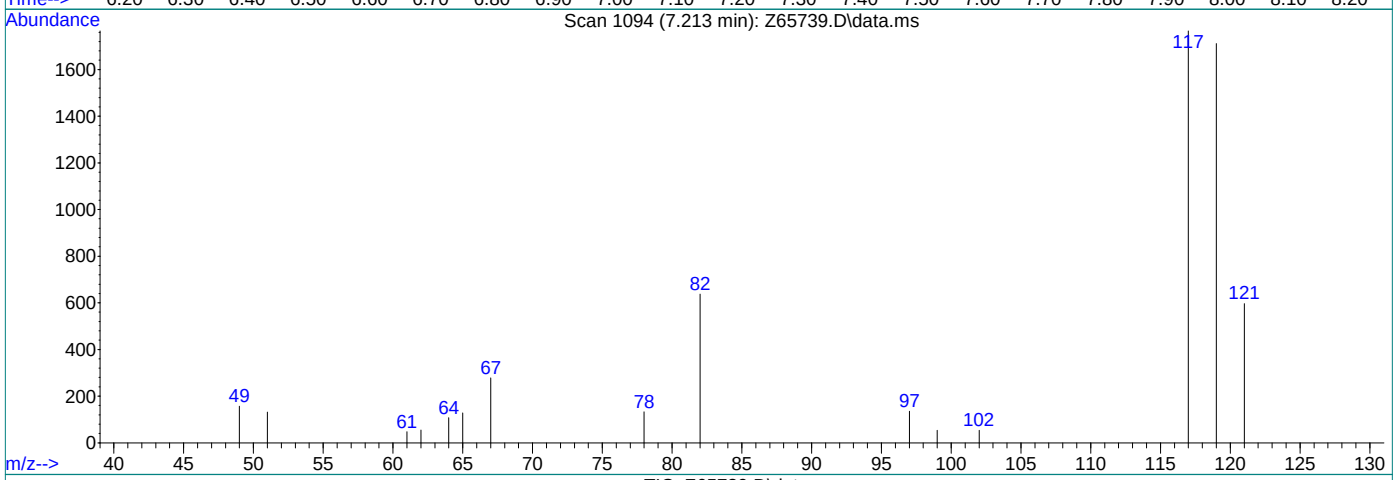
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.13
121.00	31.60	32.21
82.00	24.20	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.41ug/L m

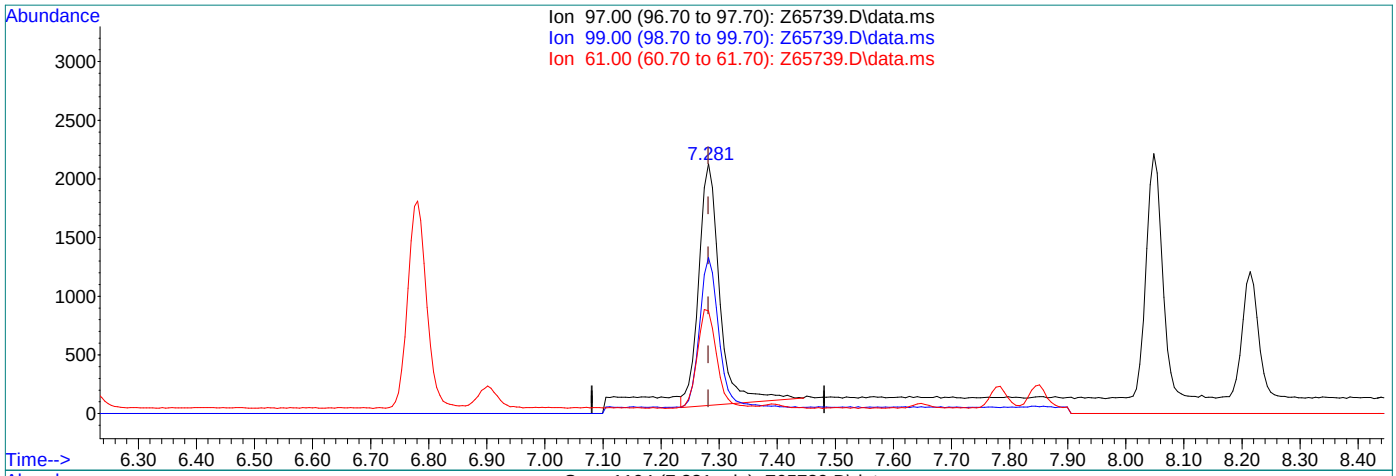
response 3653

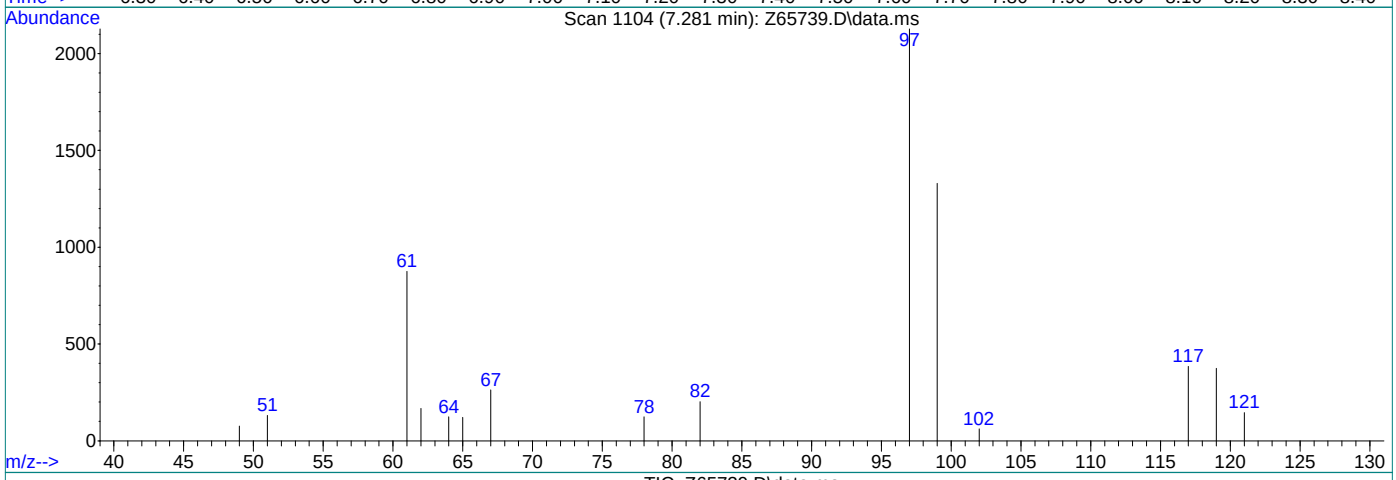
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.89
121.00	31.60	33.81
82.00	24.20	36.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.46ug/L

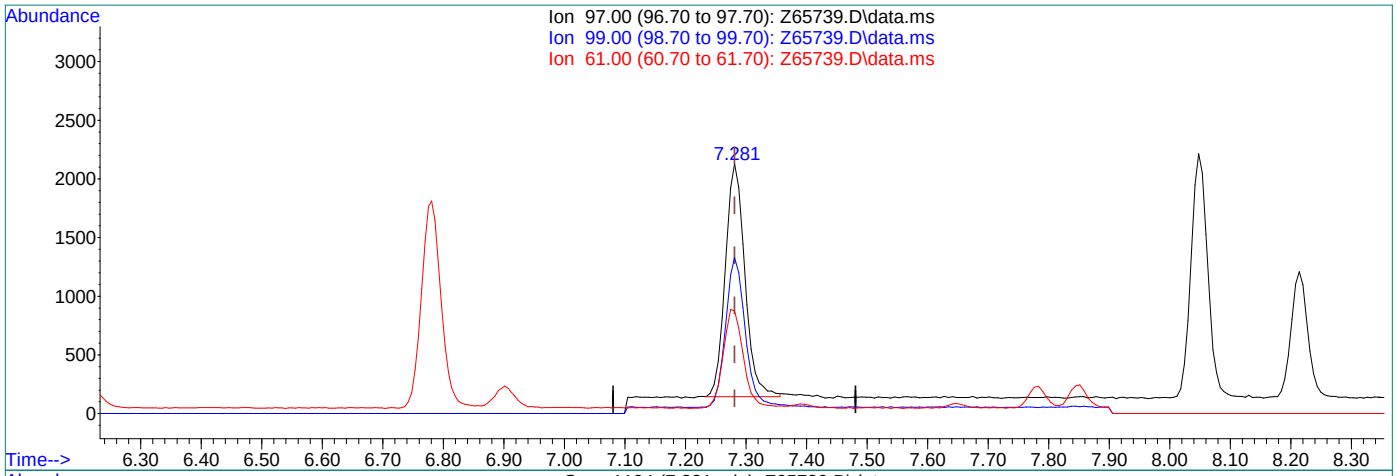
response 5157

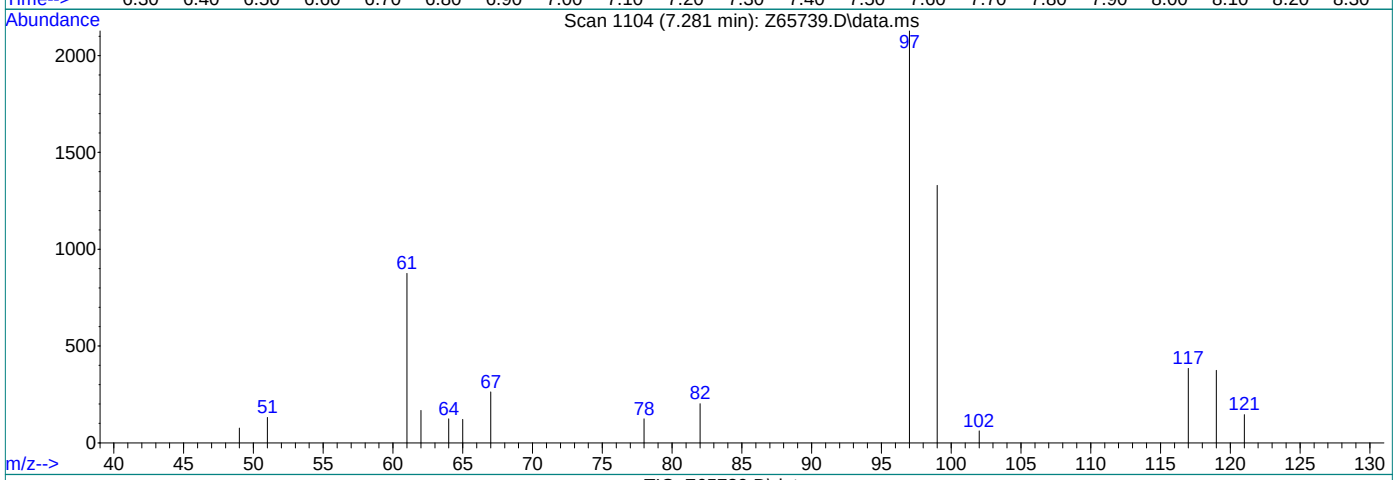
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	63.96
61.00	61.40	41.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.40ug/L m

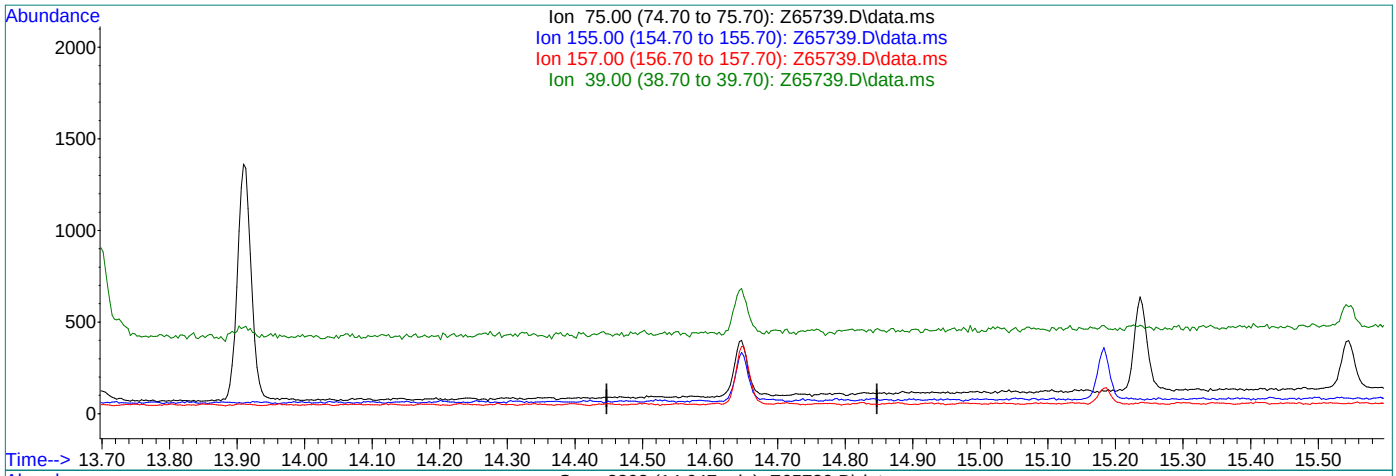
response 4454

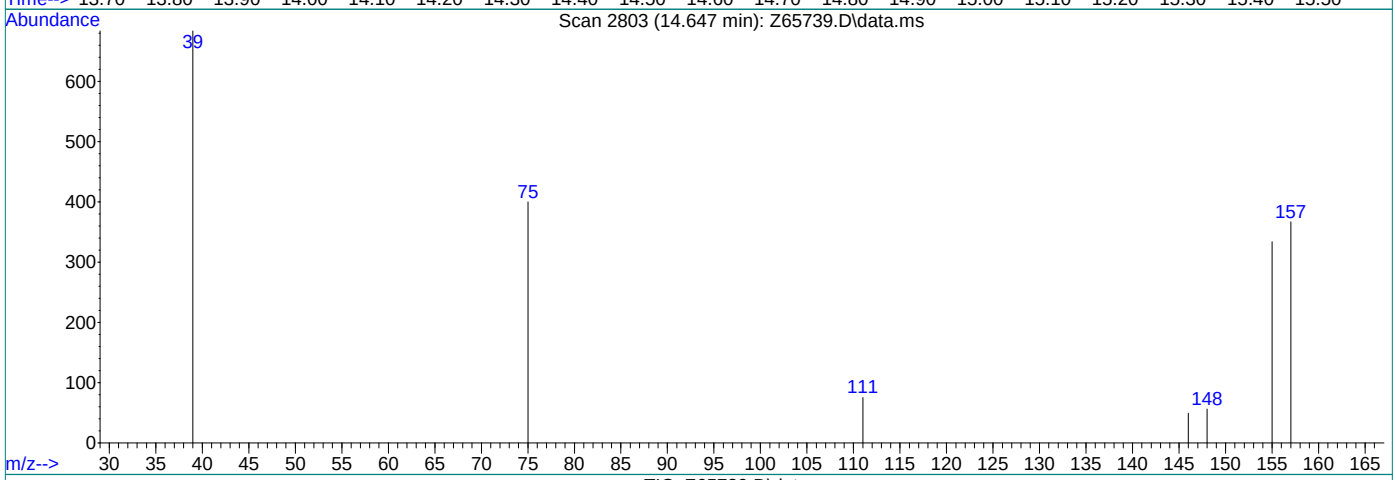
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.45
61.00	61.40	41.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

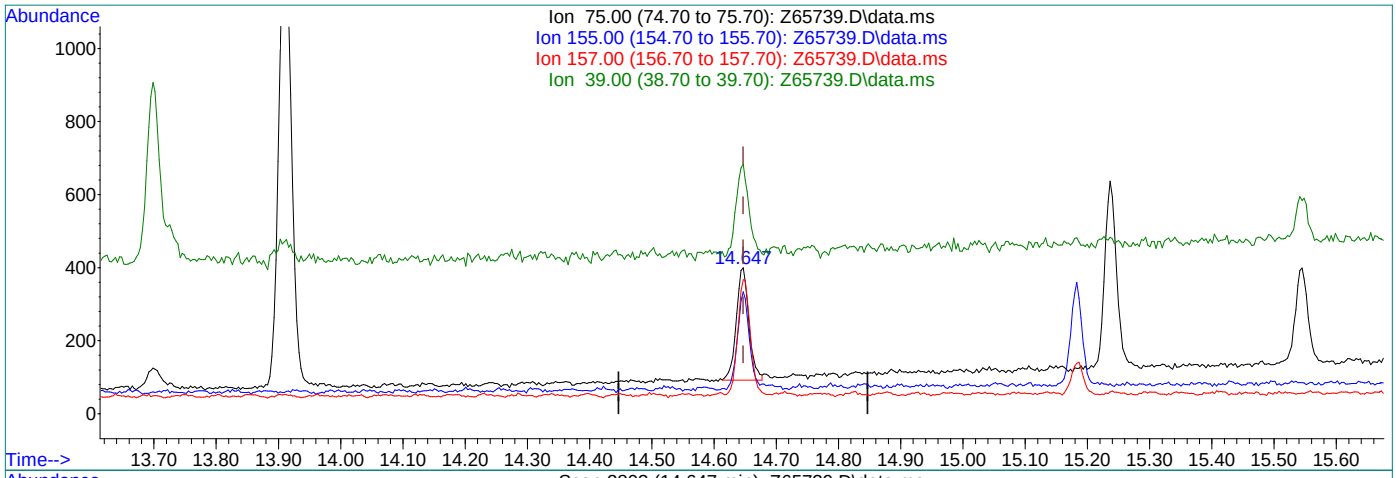
response 0

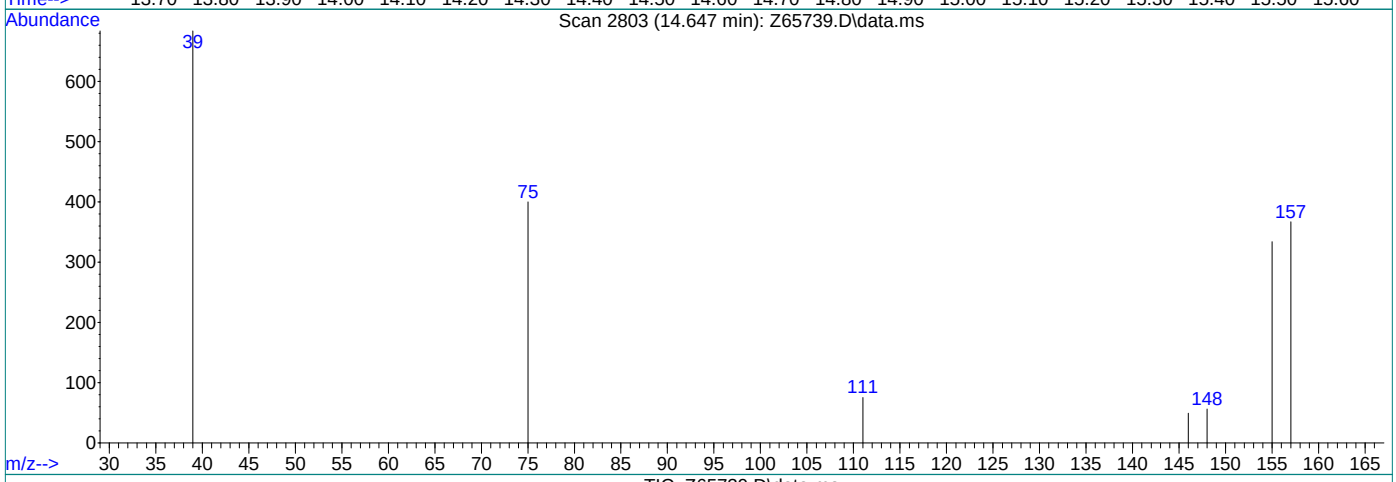
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.49ug/L m

response 436

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	83.50
157.00	81.90	91.75
39.00	23.90	171.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration

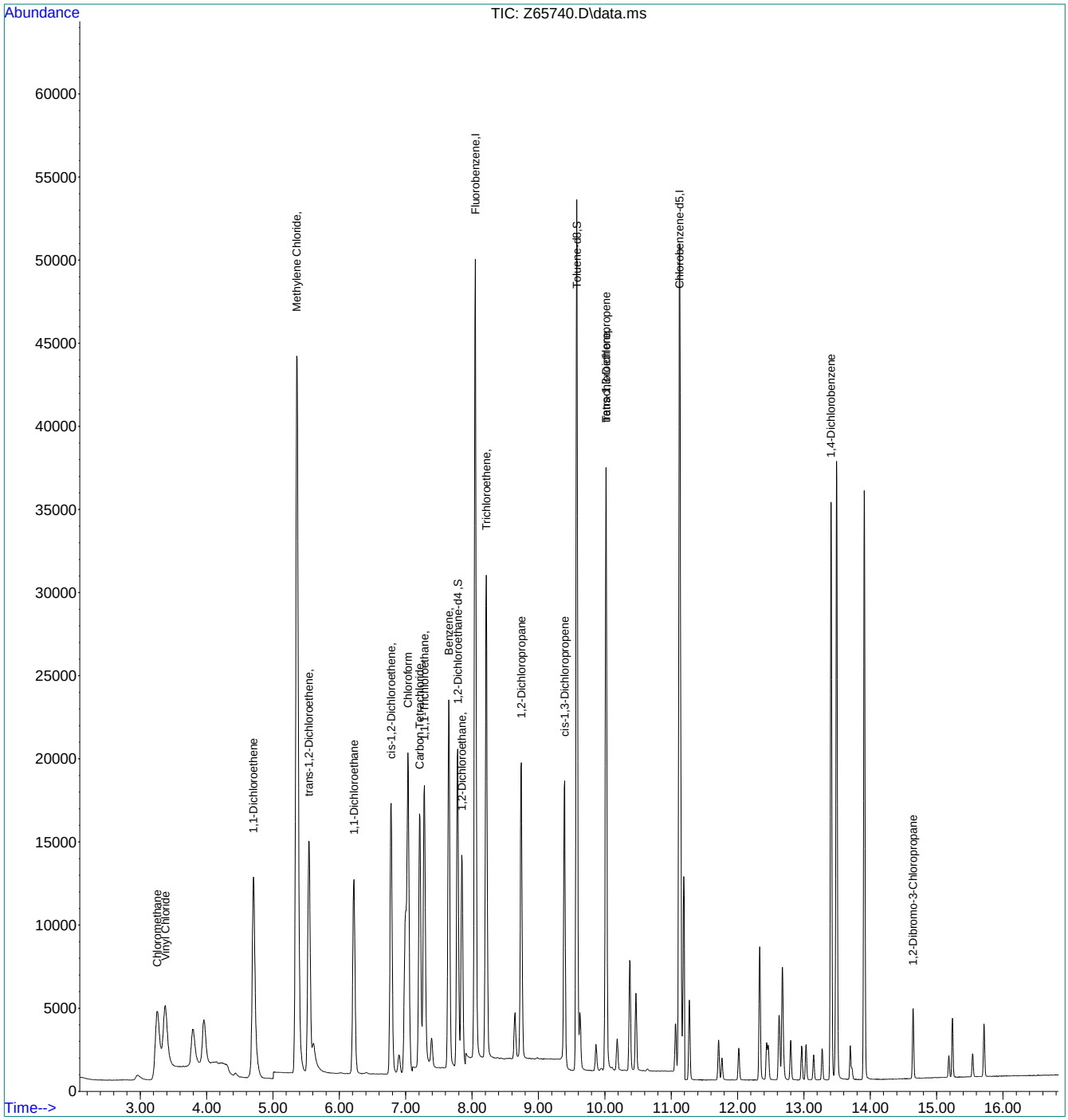
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57686	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42748	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20517	4.54	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.80%			
19) Toluene-d8	9.576	98	51803	5.70	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 114.00%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	11907	1.46	ug/L	94
3) Chloromethane	3.255	50	14040	1.51	ug/L	97
4) 1,1-Dichloroethene	4.704	61	14790	1.65	ug/L	96
5) Methylene Chloride	5.358	49	40899	0.60	ug/L #	64
6) trans-1,2-Dichloroethene	5.540	61	13999	1.68	ug/L	82
7) 1,1-Dichloroethane	6.221	63	16259	1.56	ug/L	93
8) cis-1,2-Dichloroethene	6.781	96	10684	1.75	ug/L #	73
9) Chloroform	7.034	83	20526	1.58	ug/L	88
10) Carbon Tetrachloride	7.207	117	13414	1.62	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	16402	1.62	ug/L	86
12) Benzene	7.648	78	36701	1.66	ug/L	82
14) 1,2-Dichloroethane	7.845	62	13161	1.60	ug/L	85
15) Trichloroethene	8.214	95	10480	1.64	ug/L	93
16) 1,2-Dichloropropane	8.742	63	9350	1.65	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	14475	1.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	11913	2.02	ug/L #	76
21) Tetrachloroethene	10.017	166	10068	1.84	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	21381	1.87	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	1603	1.87	ug/L #	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:31 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration

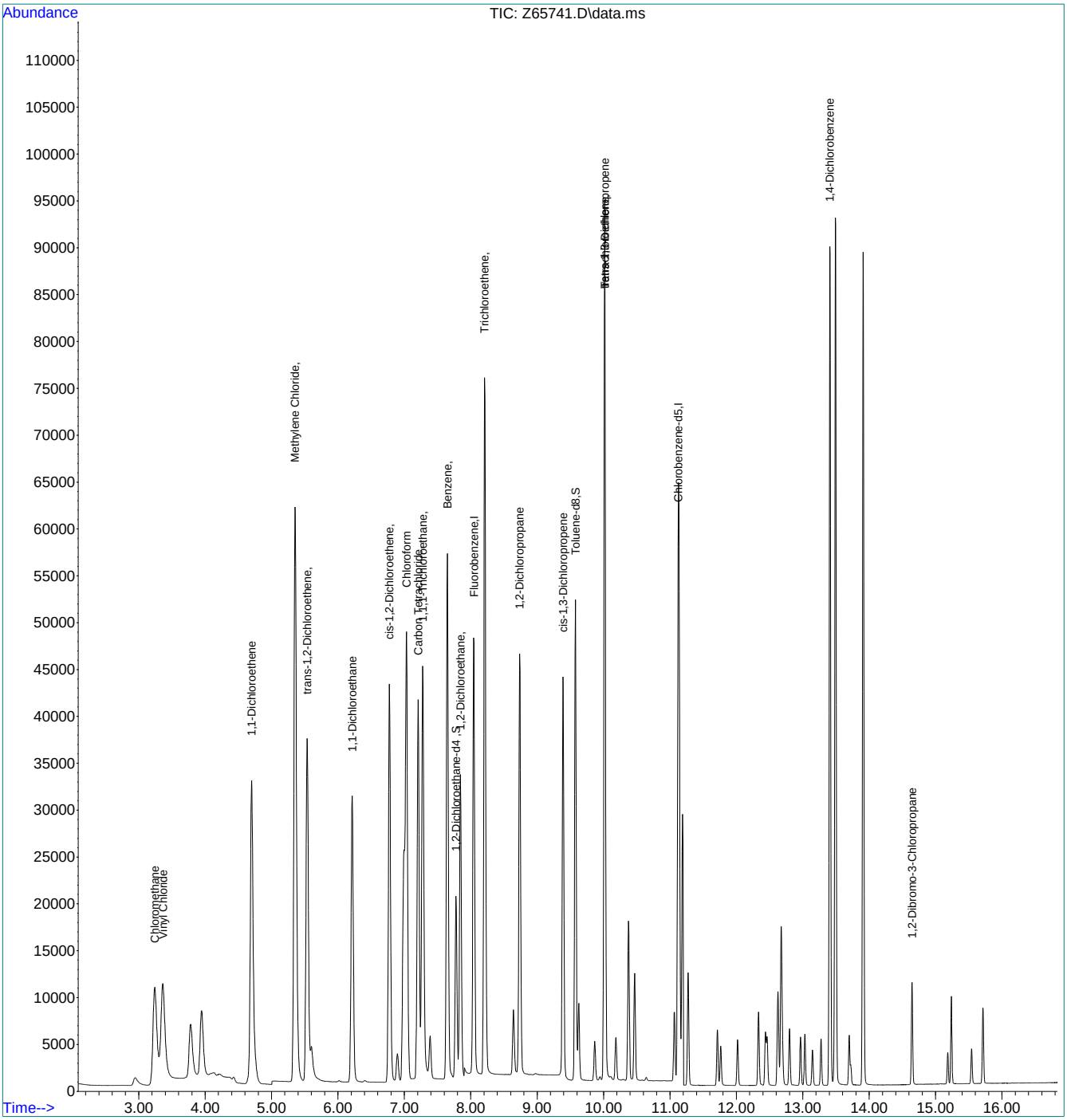
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55914	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41126	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	18510	4.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 87.40%			
19) Toluene-d8	9.577	98	49821	5.56	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.364	62	30259	4.11	ug/L	95
3) Chloromethane	3.242	50	32353	3.74	ug/L	99
4) 1,1-Dichloroethene	4.700	61	37714	4.51	ug/L	97
5) Methylene Chloride	5.353	49	55629	0.82	ug/L #	64
6) trans-1,2-Dichloroethene	5.534	61	35168	4.51	ug/L	82
7) 1,1-Dichloroethane	6.215	63	40749	4.25	ug/L	95
8) cis-1,2-Dichloroethene	6.775	96	26608	4.59	ug/L #	75
9) Chloroform	7.033	83	49094	4.10	ug/L	87
10) Carbon Tetrachloride	7.207	117	33924	4.44	ug/L	99
11) 1,1,1-Trichloroethane	7.274	97	41008	4.37	ug/L	88
12) Benzene	7.648	78	91007	4.36	ug/L	80
14) 1,2-Dichloroethane	7.844	62	32887	4.33	ug/L	85
15) Trichloroethene	8.208	95	26452	4.41	ug/L	97
16) 1,2-Dichloropropane	8.736	63	23022	4.35	ug/L	86
17) cis-1,3-Dichloropropene	9.388	75	36567	5.07	ug/L #	74
20) trans-1,3-Dichloropropene	10.017	75	30470	5.35	ug/L #	76
21) Tetrachloroethene	10.017	166	25440	4.95	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	53698	4.93	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	14.647	75	3995	4.89	ug/L #	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:33 2021 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration

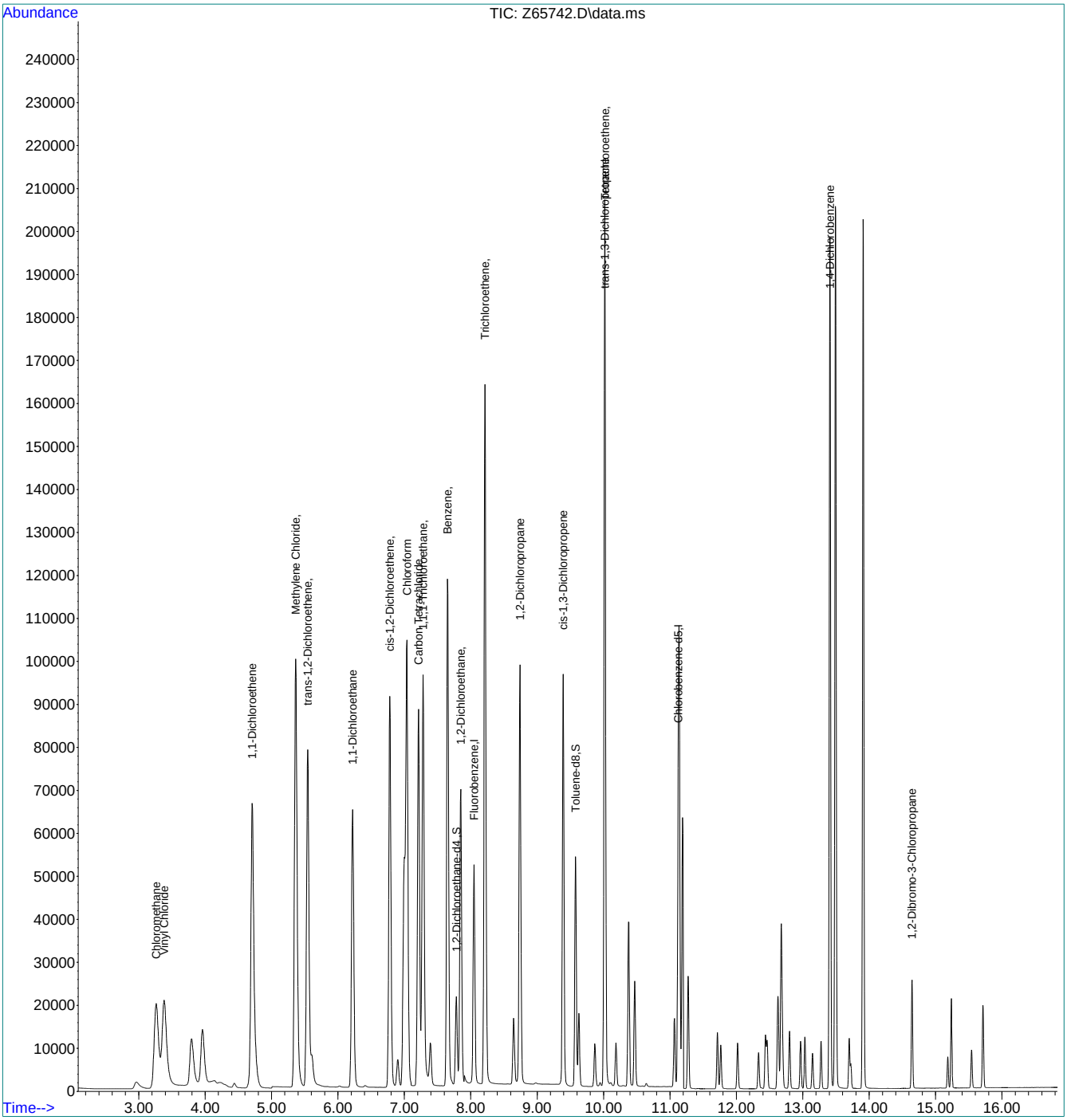
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	60384	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44007	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	19882	4.50	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.00%			
19) Toluene-d8	9.577	98	53430	5.42	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	64332	8.57	ug/L	97
3) Chloromethane	3.263	50	67278	7.47	ug/L	98
4) 1,1-Dichloroethene	4.708	61	82511	9.44	ug/L	97
5) Methylene Chloride	5.364	49	94217	1.28	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	77400	9.48	ug/L	80
7) 1,1-Dichloroethane	6.220	63	89464	9.08	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	58466	9.55	ug/L #	75
9) Chloroform	7.039	83	106015	8.66	ug/L	87
10) Carbon Tetrachloride	7.213	117	73780	9.30	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	89576	9.21	ug/L	87
12) Benzene	7.648	78	198305	9.11	ug/L	82
14) 1,2-Dichloroethane	7.851	62	71810	9.17	ug/L	84
15) Trichloroethene	8.214	95	58012	9.23	ug/L	95
16) 1,2-Dichloropropane	8.742	63	50025	9.09	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	81229	10.39	ug/L #	70
20) trans-1,3-Dichloropropene	10.017	75	68772m	11.24	ug/L	
21) Tetrachloroethene	10.022	166	55288	10.15	ug/L #	95
22) 1,4-Dichlorobenzene	13.411	146	119673	10.35	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	9342	10.74	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:35 2021 Page: 2

Manual Integration Approval Summary

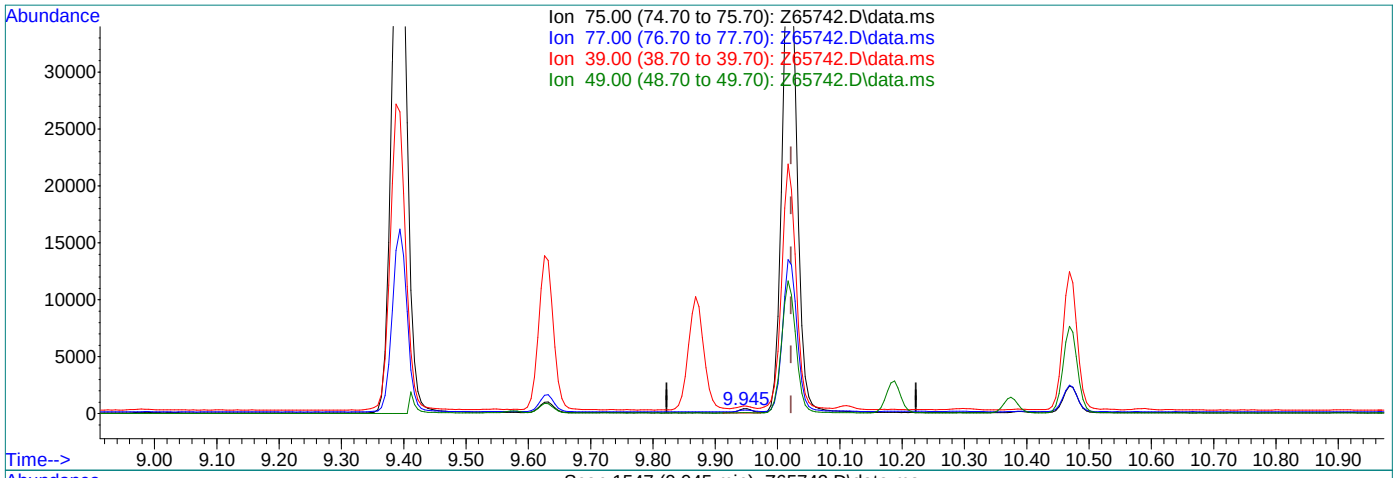
Sample Number: VZ2586-ICC2586
Lab FileID: Z65742.D
Injection Time: 09/07/21 11:27
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

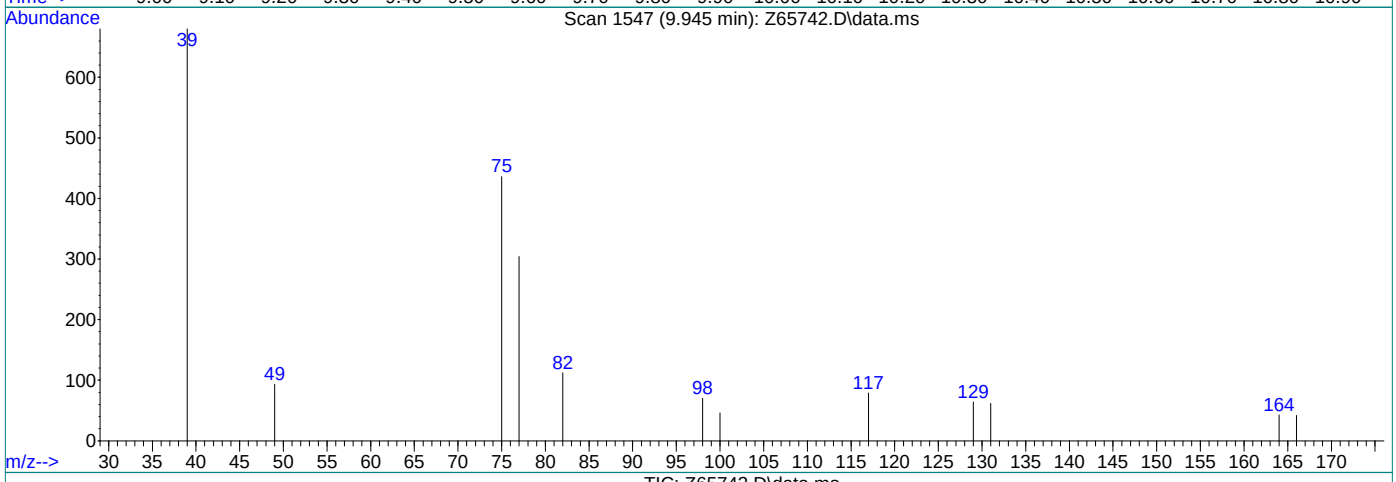
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.09ug/L

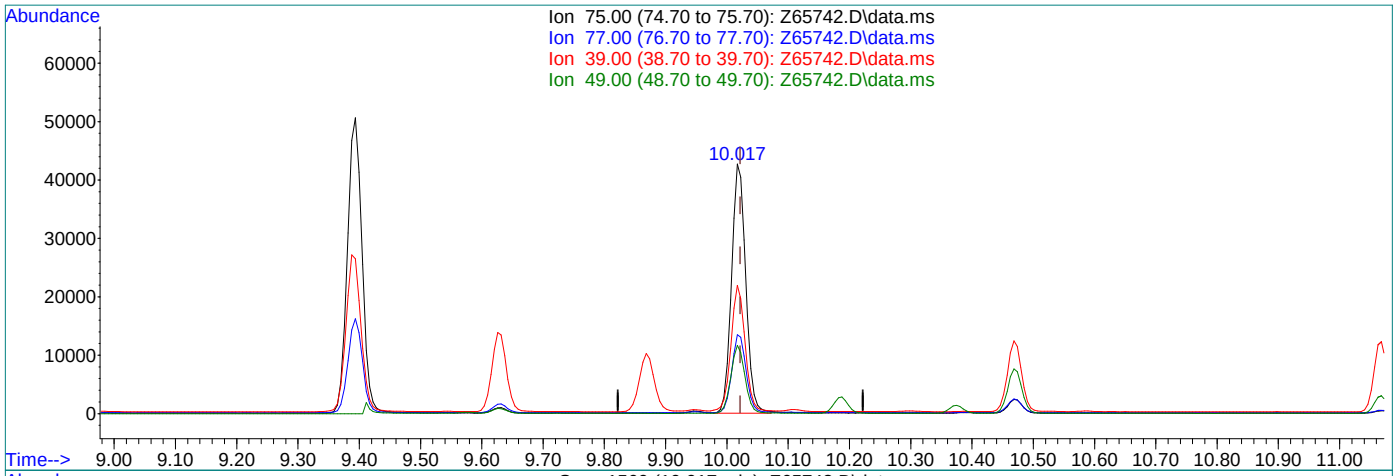
response 572

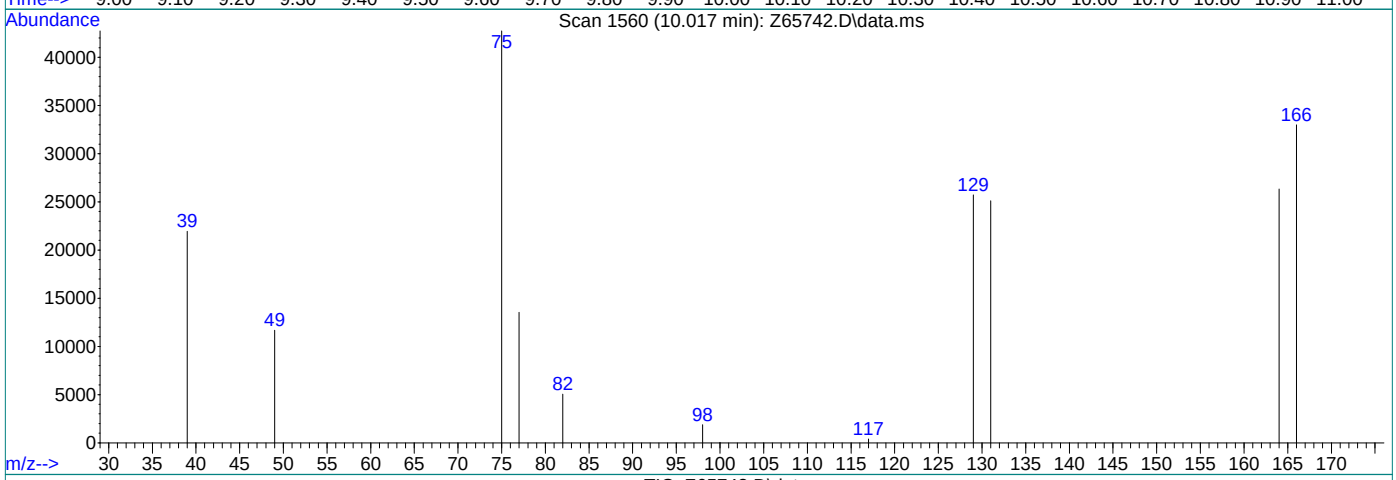
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	37.16
39.00	84.50	57.10
49.00	23.10	12.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 11.24ug/L m

response 68772

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.65
39.00	84.50	51.31#
49.00	23.10	27.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

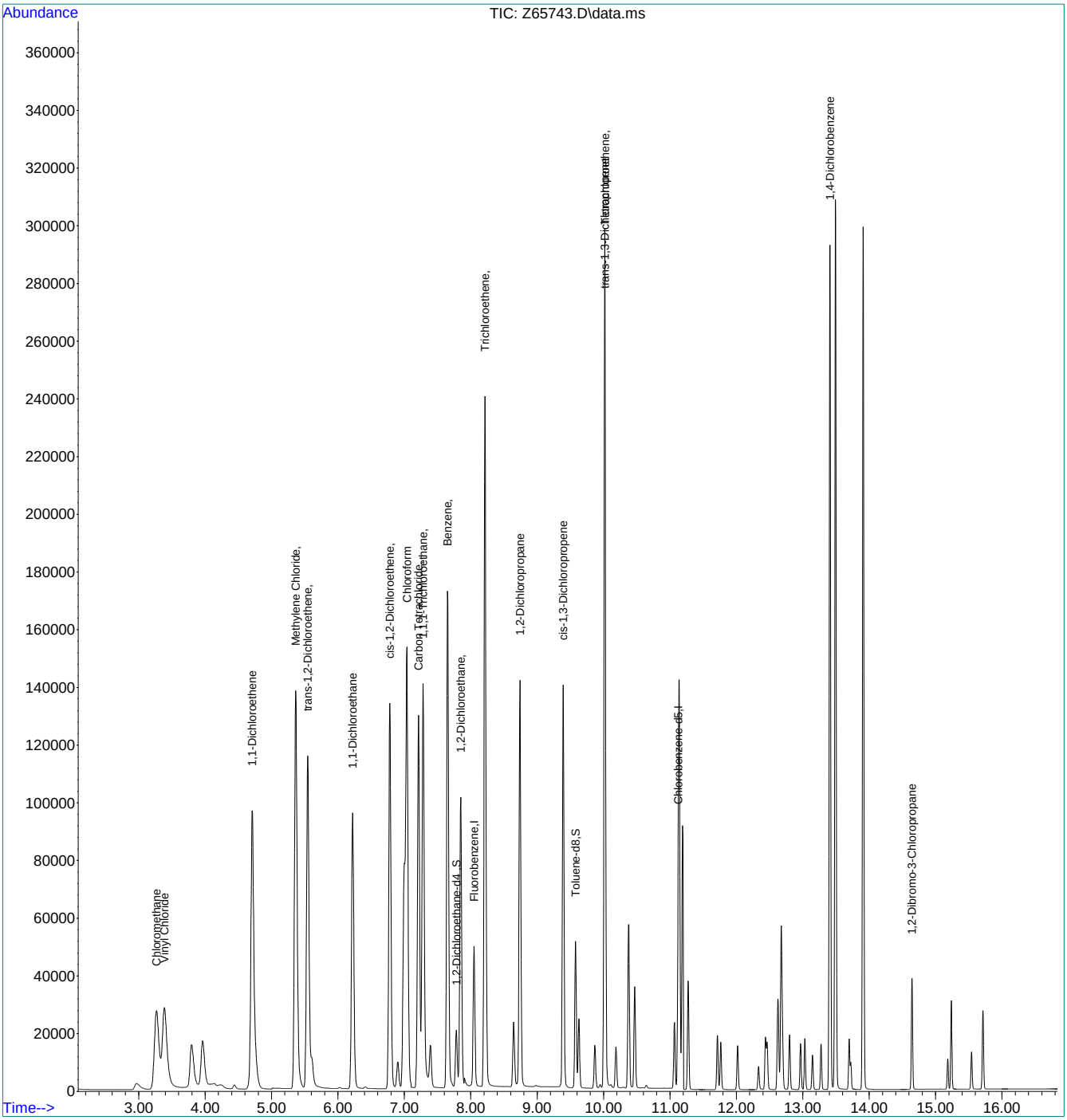
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57991	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	41634	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19125	4.65	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%				
19) Toluene-d8	9.577	98	50016	5.21	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	92413	13.63	ug/L		97
3) Chloromethane	3.267	50	96110	11.53	ug/L		99
4) 1,1-Dichloroethene	4.708	61	121472	14.94	ug/L		97
5) Methylene Chloride	5.364	49	130688	1.85	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	114352	15.01	ug/L		80
7) 1,1-Dichloroethane	6.220	63	132244	14.58	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	86668	15.00	ug/L	#	76
9) Chloroform	7.039	83	156492	13.93	ug/L		87
10) Carbon Tetrachloride	7.213	117	109314	14.89	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	131563	14.60	ug/L		88
12) Benzene	7.648	78	290426	14.33	ug/L		82
14) 1,2-Dichloroethane	7.851	62	104911	14.47	ug/L		85
15) Trichloroethene	8.214	95	85114	14.53	ug/L		94
16) 1,2-Dichloropropane	8.742	63	72640	14.21	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	118708	15.94	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	101613	17.51	ug/L	#	75
21) Tetrachloroethene	10.022	166	79427	15.48	ug/L	#	95
22) 1,4-Dichlorobenzene	13.411	146	176907	16.16	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	14159	16.98	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

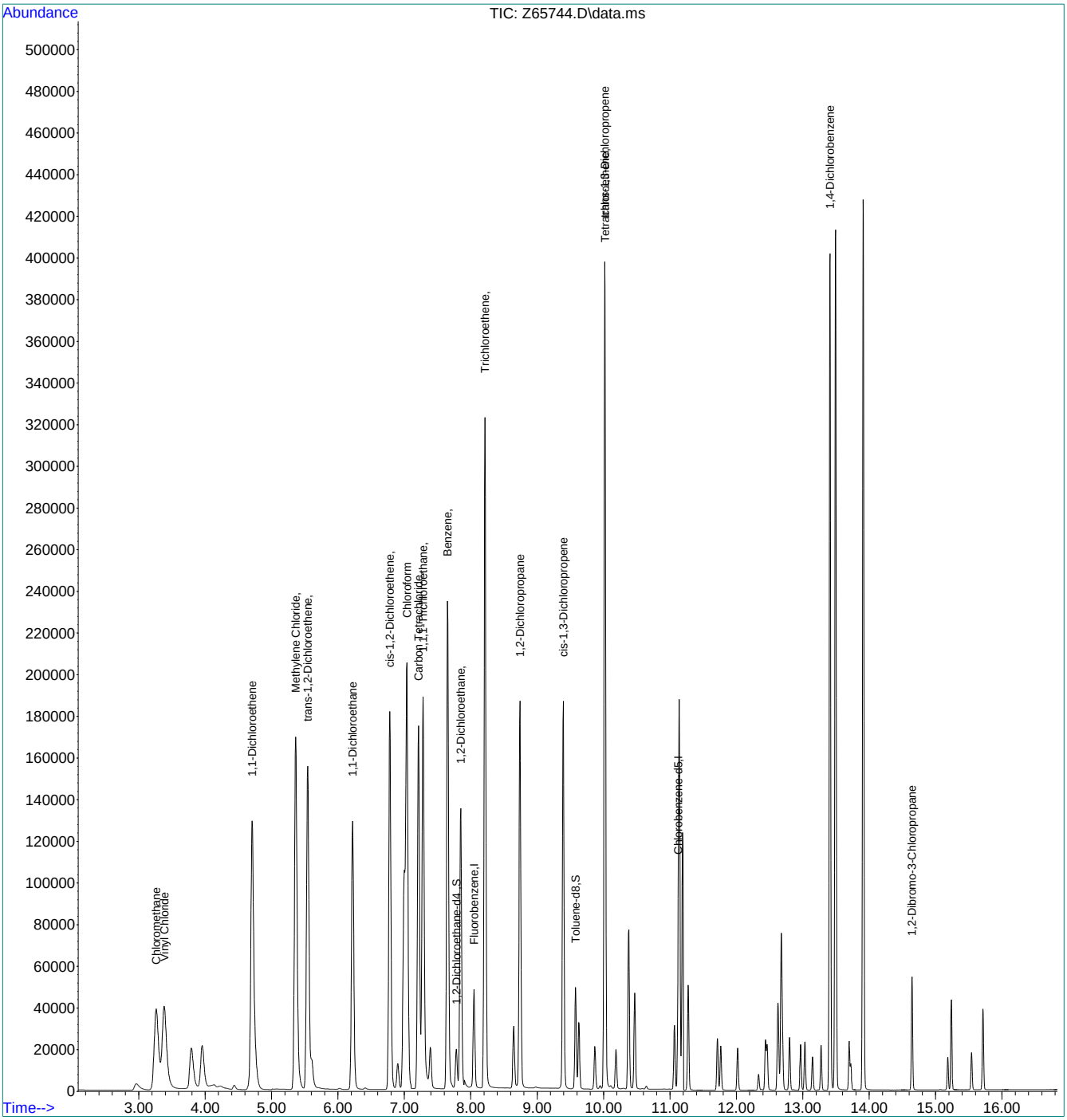
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55484	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39994	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18318	4.65	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%			
19) Toluene-d8	9.576	98	48062	5.21	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	126859	19.55	ug/L	97
3) Chloromethane	3.263	50	131510	16.49	ug/L	99
4) 1,1-Dichloroethene	4.708	61	163703	21.04	ug/L	97
5) Methylene Chloride	5.364	49	160840	2.38	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	153204	21.03	ug/L	79
7) 1,1-Dichloroethane	6.221	63	176994	20.39	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	116069	21.00	ug/L #	75
9) Chloroform	7.039	83	208704	19.41	ug/L	87
10) Carbon Tetrachloride	7.213	117	147350	20.98	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	176520	20.47	ug/L	87
12) Benzene	7.648	78	389166	20.08	ug/L	82
14) 1,2-Dichloroethane	7.851	62	139247	20.08	ug/L	85
15) Trichloroethene	8.214	95	114255	20.38	ug/L	93
16) 1,2-Dichloropropane	8.742	63	96568	19.75	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	156449	21.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	135177	24.24	ug/L #	76
21) Tetrachloroethene	10.022	166	106721	21.65	ug/L #	95
22) 1,4-Dichlorobenzene	13.410	146	238267	22.66	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.643	75	19856	24.79	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

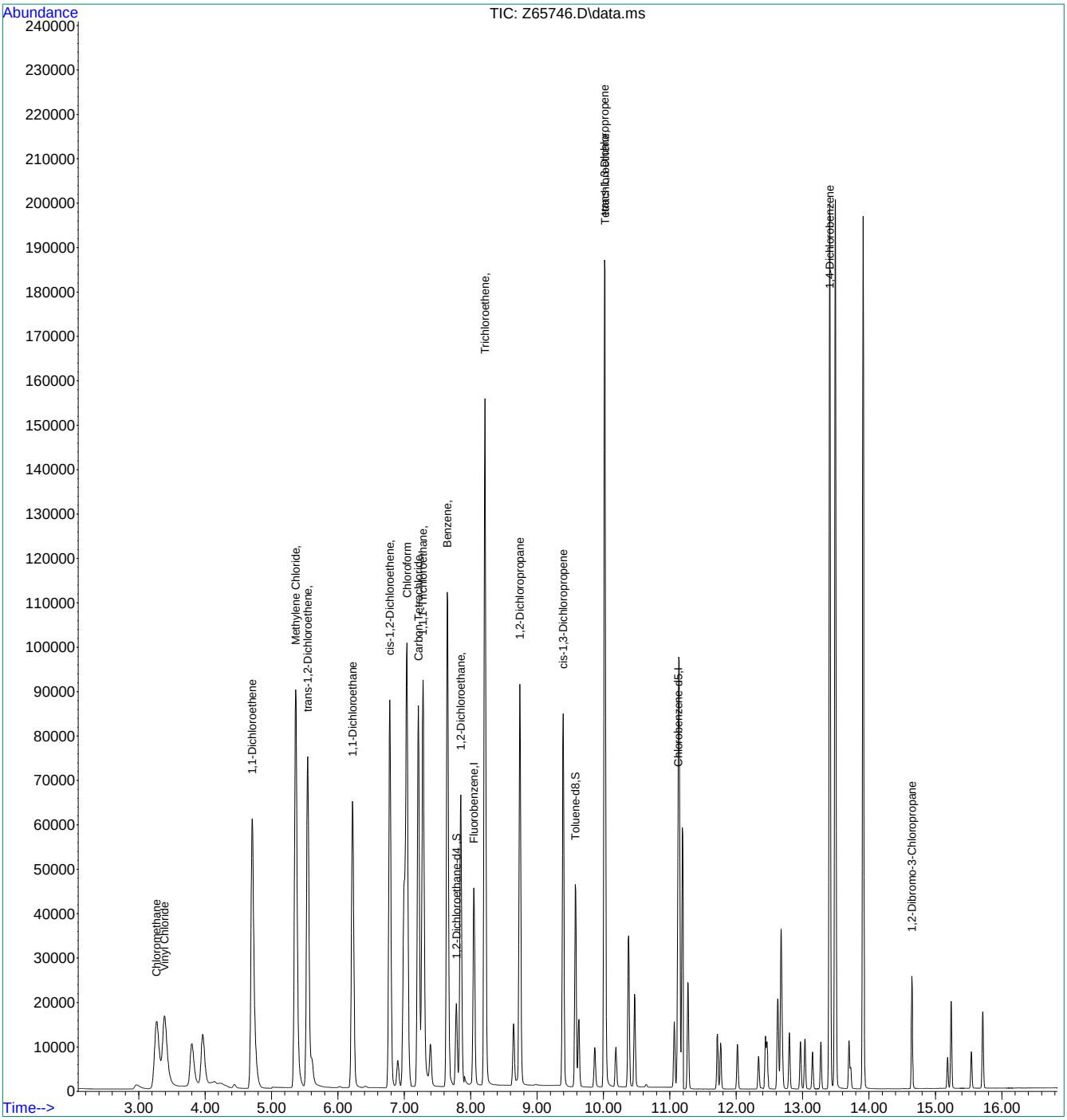
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	53311	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38388	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17883	4.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%				
19) Toluene-d8	9.576	98	45701	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	53617	9.59	ug/L		97
3) Chloromethane	3.267	50	54345	9.20	ug/L		98
4) 1,1-Dichloroethene	4.708	61	79180	11.27	ug/L		96
5) Methylene Chloride	5.364	49	86592	10.76	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	73952	11.25	ug/L		80
7) 1,1-Dichloroethane	6.221	63	89958	11.79	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	57328	11.40	ug/L	#	75
9) Chloroform	7.039	83	102375	10.96	ug/L		87
10) Carbon Tetrachloride	7.213	117	72294	11.57	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	86591	11.38	ug/L		88
12) Benzene	7.648	78	188159	10.96	ug/L		82
14) 1,2-Dichloroethane	7.851	62	68162	11.07	ug/L		84
15) Trichloroethene	8.214	95	56039	11.27	ug/L		94
16) 1,2-Dichloropropane	8.742	63	46487	10.79	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	69966	9.83	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	63449	10.56	ug/L	#	76
21) Tetrachloroethene	10.022	166	51685	11.19	ug/L	#	95
22) 1,4-Dichlorobenzene	13.410	146	119017	11.96	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9177	11.43	ug/L	#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:06:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

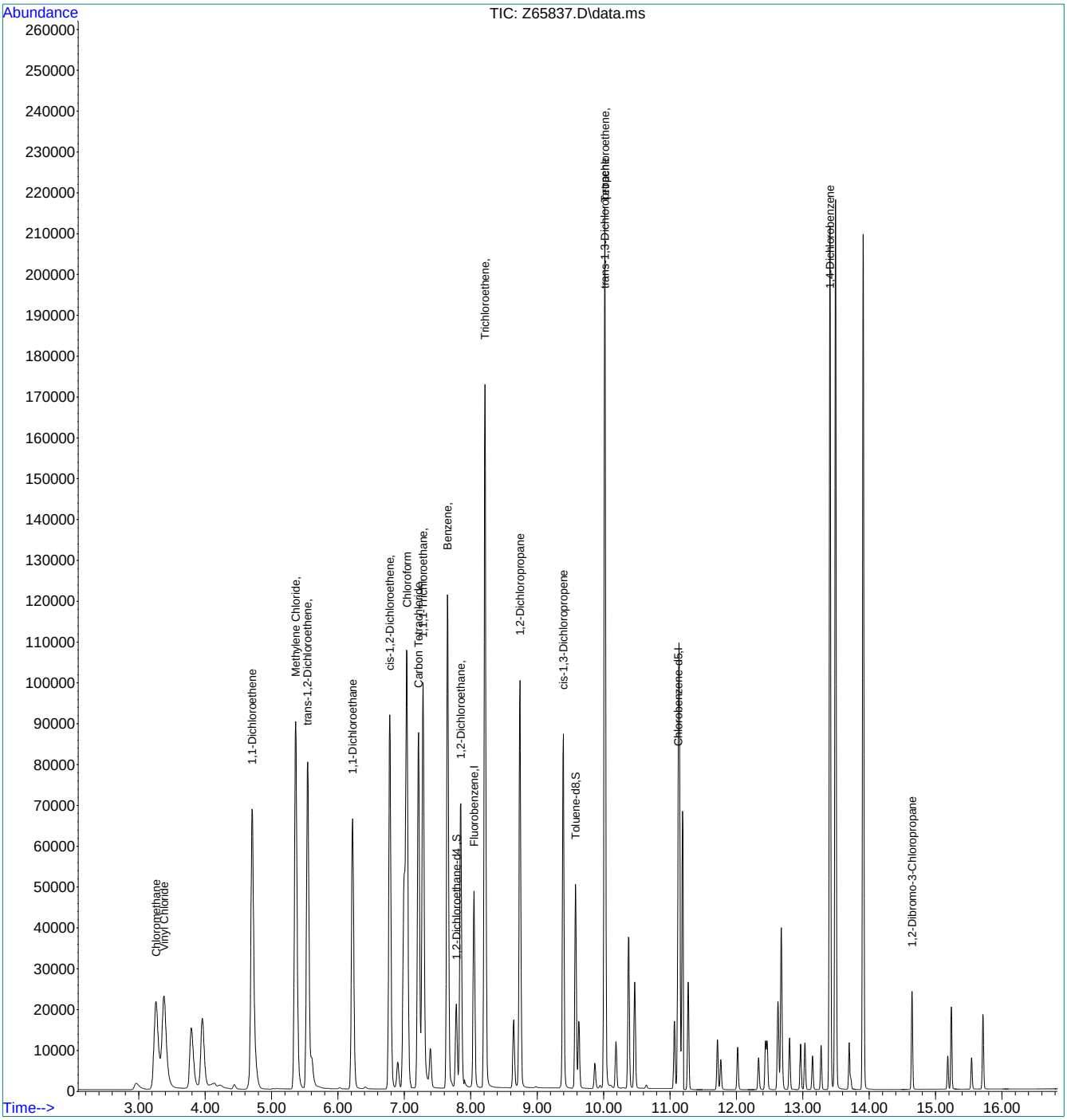
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57708	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	46072	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19271	4.94	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%			
19) Toluene-d8	9.576	98	49622	4.45	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	69440	11.47	ug/L	97
3) Chloromethane	3.259	50	72760	11.26	ug/L	98
4) 1,1-Dichloroethene	4.708	61	81826	10.76	ug/L	99
5) Methylene Chloride	5.364	49	82874	9.52	ug/L #	58
6) trans-1,2-Dichloroethene	5.539	61	76892	10.80	ug/L	79
7) 1,1-Dichloroethane	6.221	63	91209	11.05	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	60562	11.12	ug/L #	72
9) Chloroform	7.039	83	111237	11.00	ug/L	86
10) Carbon Tetrachloride	7.213	117	73815	10.92	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	92770	11.26	ug/L	86
12) Benzene	7.648	78	200730	10.81	ug/L	82
14) 1,2-Dichloroethane	7.851	62	72526	10.89	ug/L	85
15) Trichloroethene	8.214	95	61547	11.44	ug/L	90
16) 1,2-Dichloropropane	8.742	63	51933	11.14	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	74706	9.70	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	62884m	8.85	ug/L	
21) Tetrachloroethene	10.022	166	65169	11.75	ug/L #	98
22) 1,4-Dichlorobenzene	13.410	146	130111	10.89	ug/L	96
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8252	8.57	ug/L #	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:06:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Sat Sep 11 08:49:55 2021 Page: 2

Manual Integration Approval Summary

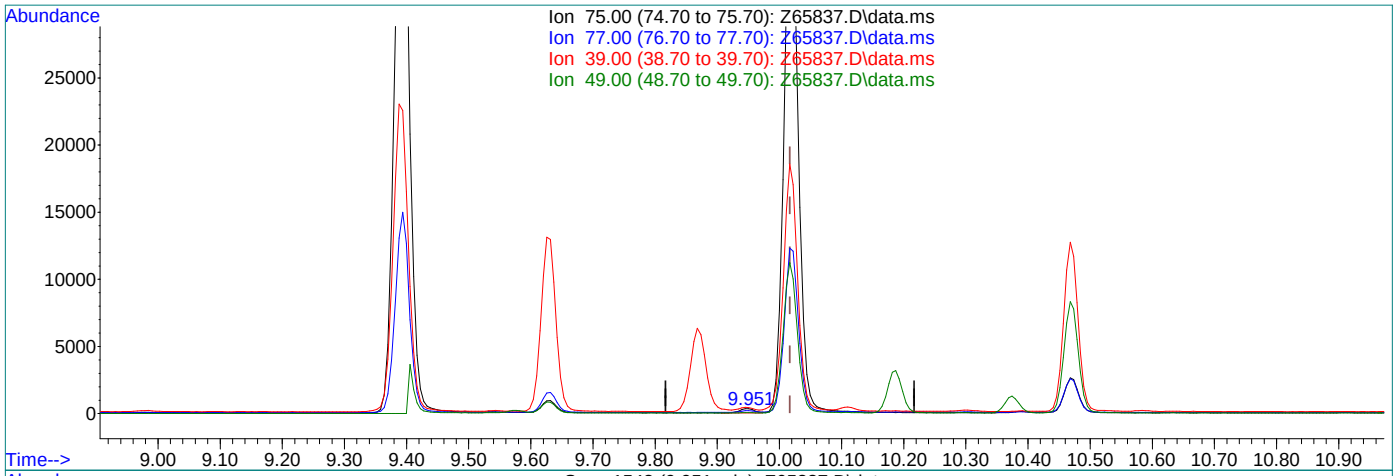
Sample Number:	VZ2590-CC2586	**Method:**	SW846 8260B BY SIM
Lab FileID:	Z65837.D	**Analyst approved:**	09/11/21 08:49 Charlene Gonzalez
Injection Time:	09/10/21 14:48	**Supervisor approved:**	09/13/21 10:27 Chelsea VanDenBurg

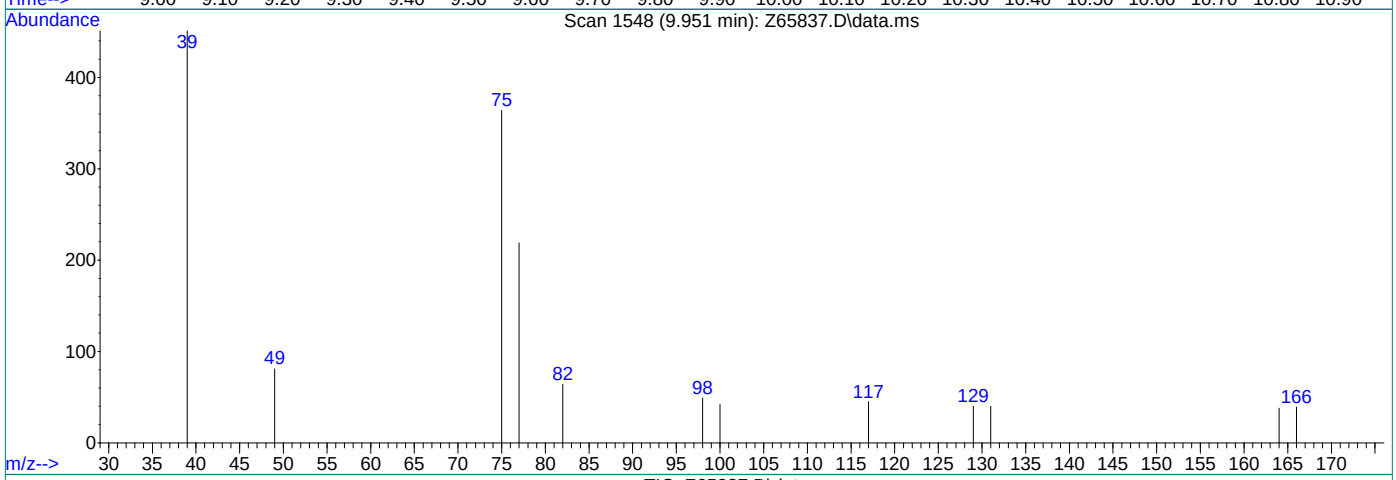
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:05:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65837.D\data.ms

(20) trans-1,3-Dichloropropene

9.951min (-0.066) 0.08ug/L

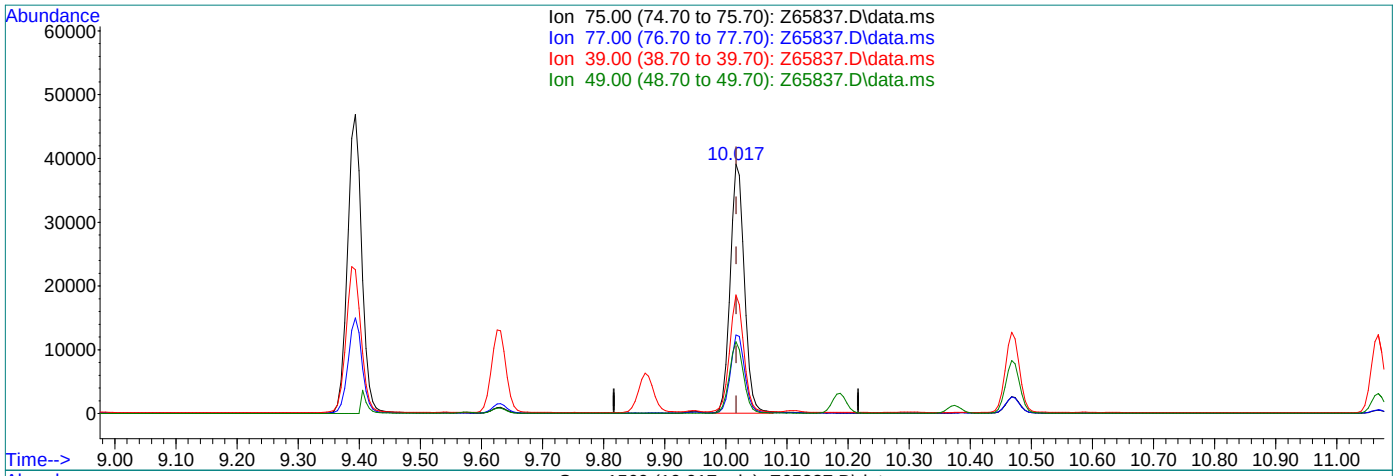
response 493

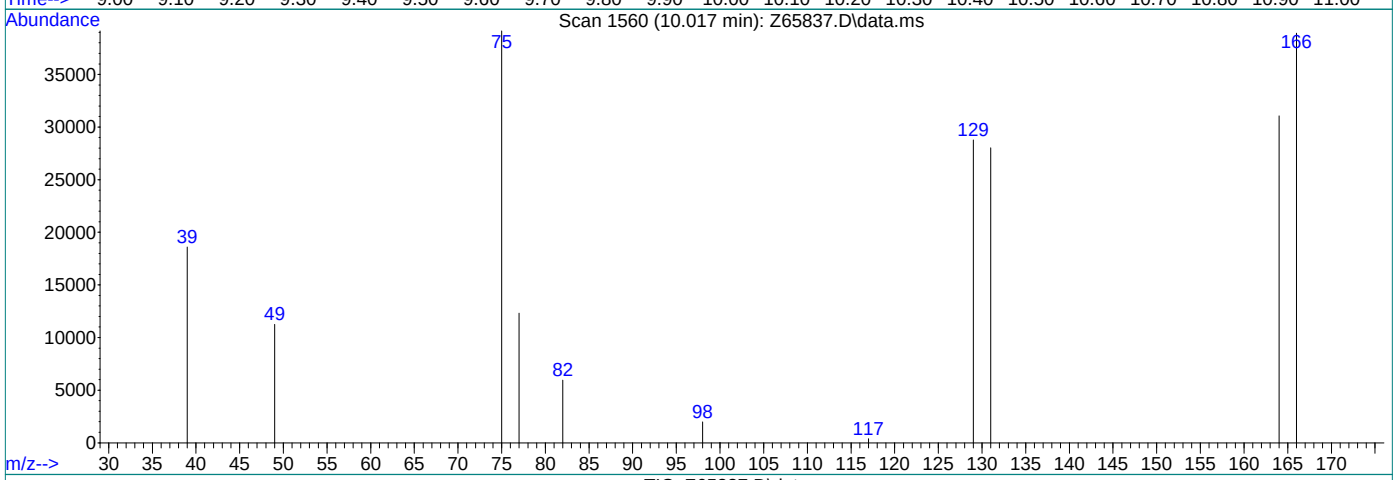
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	41.50
39.00	84.50	57.19
49.00	23.10	12.09

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:05:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65837.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.000) 8.85ug/L m

response 62884

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.49
39.00	84.50	47.52#
49.00	23.10	28.74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65862.D
Acq On : 10 Sep 2021 11:18 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 08:25:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

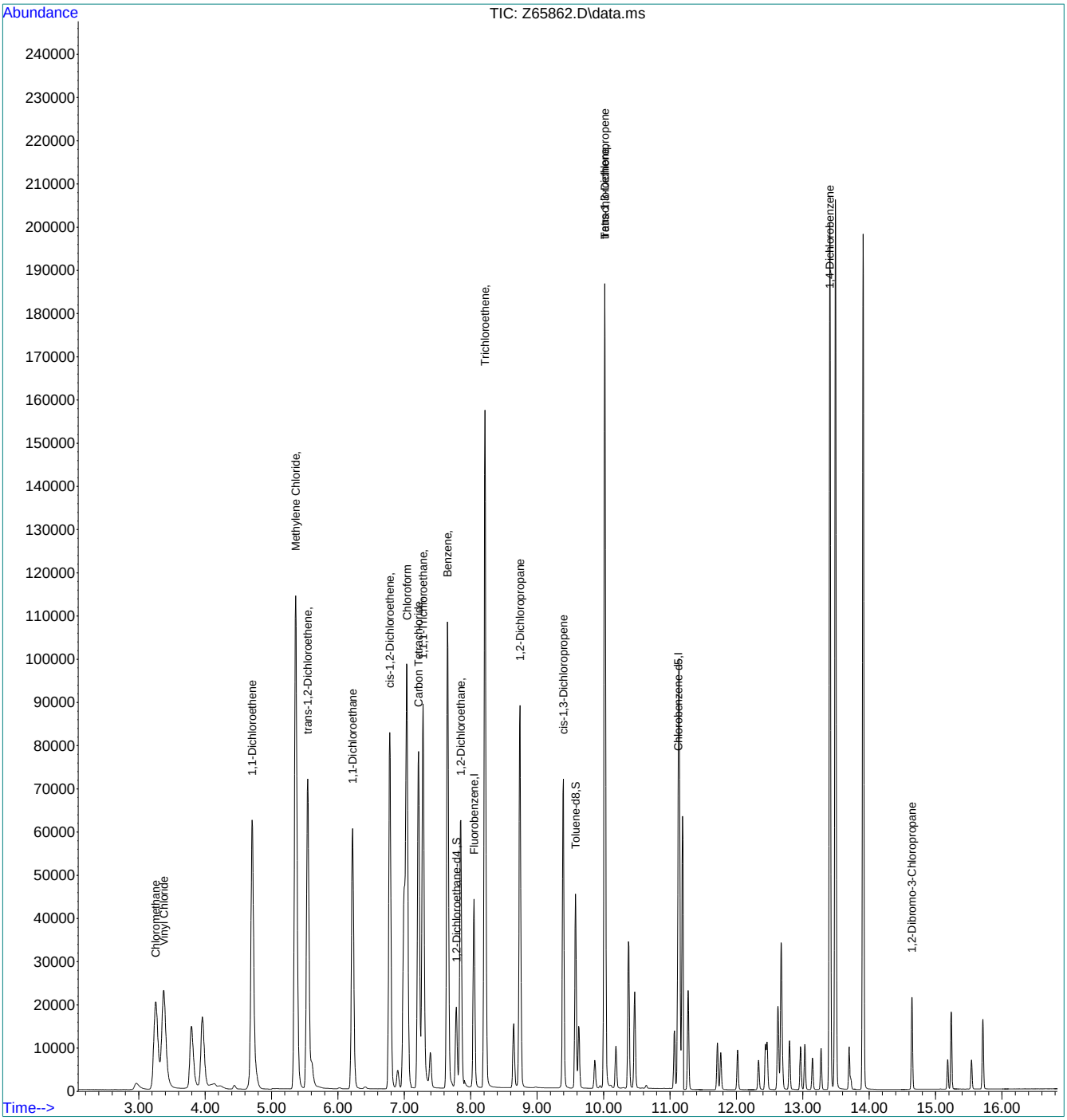
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	52561	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42542	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17631	4.97	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%			
19) Toluene-d8	9.576	98	44592	4.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 86.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	66010	11.98	ug/L	98
3) Chloromethane	3.255	50	68057	11.54	ug/L	98
4) 1,1-Dichloroethene	4.709	61	70882	10.24	ug/L	99
5) Methylene Chloride	5.364	49	103832	13.09	ug/L #	58
6) trans-1,2-Dichloroethene	5.545	61	68434	10.56	ug/L	74
7) 1,1-Dichloroethane	6.221	63	82525	10.97	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	55142	11.12	ug/L #	72
9) Chloroform	7.039	83	102105	11.08	ug/L	86
10) Carbon Tetrachloride	7.214	117	66725	10.83	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	82005	10.93	ug/L	87
12) Benzene	7.648	78	180155	10.65	ug/L	81
14) 1,2-Dichloroethane	7.852	62	64831	10.68	ug/L	85
15) Trichloroethene	8.214	95	57382	11.71	ug/L	89
16) 1,2-Dichloropropane	8.742	63	45941	10.82	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	61749	8.84	ug/L #	66
20) trans-1,3-Dichloropropene	10.017	75	54039	8.28	ug/L #	73
21) Tetrachloroethene	10.017	166	57122	11.16	ug/L #	95
22) 1,4-Dichlorobenzene	13.407	146	122081	11.07	ug/L	96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	7304	8.21	ug/L #	53

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65862.D
Acq On : 10 Sep 2021 11:18 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 08:25:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/10/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-10-2021.M
CALIB. DATE:	9/10/2021
EM VOLTAGE:	1518V
BFB RESPONSE:	2186585
AFA:	N/A
RUN ID:	**VO2552**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/10/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65071	MB	-	-	W	1	BFB_SIM		-	-	-	
O65072	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65073	IC2552-1	-	-	W	3	ACQ_SIMCLb	#3 OP ; 9, 10 PDB	-	-	-	1uL→ 100mL
O65074	IC2552-2	-	-	W	4	ACQ_SIMCLb	#9, 10 PDB	-	-	-	5uL→ 100mL
O65075	IC2552-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65076	IC2552-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65077	ICC2552-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65078	IC2552-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65079	IC2552-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65080	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O65081	ICV2552-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/10/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-10-2021.M
CALIB. DATE:	9/10/2021
EM VOLTAGE:	1518V
BFB RESPONSE:	2203966
AFA:	N/A
RUN ID:	**VO2553**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/11/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65082	MB	-	-	W	1	BFB_SIM		-	-	-	
O65083	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65084	CC2552-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65085	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65086	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65087	FA88755-4	1x	2	W	6	ACQ_SIMCLb		1	N	-	
O65088	FA88620-2	1x	1	W	7	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65089	FA88620-3	1x	1	W	8	ACQ_SIMCLb	#9 PDB	1	N	-	
O65090	FA88620-4	1x	1	W	9	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65091	FA88620-5	1x	1	W	10	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65092	FA88620-6	1x	1	W	11	ACQ_SIMCLb		1	N	-	
O65093	FA88620-7	1x	1	W	12	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65094	FA88620-8	1x	1	W	13	ACQ_SIMCLb	#9 PDB	1	N	-	
O65095	FA88620-9	1x	1	W	14	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65096	FA88620-10	1x	1	W	15	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65097	FA88620-11	1x	1	W	16	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65098	FA88620-12	1x	1	W	17	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65099	FA88620-13	1x	1	W	18	ACQ_SIMCLb	#9 PDB	1	N	-	
O65100	FA88620-14	1x	1	W	19	ACQ_SIMCLb	#9 PDB	1	N	-	
O65101	FA88620-15	1x	1	W	20	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65102	FA88620-16	1x	1	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O65103	FA88620-17	1x	1	W	22	ACQ_SIMCLb	#9 PDB	1	N	-	
O65104	FA88620-18	1x	1	W	23	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65105	FA88620-19	1x	1	W	24	ACQ_SIMCLb		1	N	-	
O65106	FA88620-2MS	5x	2	W	25	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65107	FA88620-2MSD	5x	2	W	26	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65108	ECC2552-5	-	-	W	27	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/07/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1894893	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2586		DATE VERIFIED: 09/08/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65736	BFB	-	-	w	1	BFB_SIM		-	-	-	Passed Autofind
Z65737	MB	-	-	w	2	BFB_SIM		-	-	-	
Z65738	IC2586-1	-	-	w	3	ACQ_SIMCLB	#3 OP ; 9-11 PDB ; 22, 23 MP	-	-	-	1µL → 100mL ✓
Z65739	IC2586-2	-	-	w	4	ACQ_SIMCLB	#2, 3 OP ; 9-11 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65740	IC2586-3	-	-	w	5	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65741	IC2586-4	-	-	w	6	ACQ_SIMCLB		-	-	-	25µL → 50mL ✓
Z65742	ICC2586-5	-	-	w	7	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65743	IC2586-6	-	-	w	8	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65744	IC2586-7	-	-	w	9	ACQ_SIMCLB		-	-	-	100µL → 50mL ✓
Z65745	MB	-	-	w	10	ACQ_SIMCLB		-	-	-	
Z65746	ICV2586-5	-	-	w	11	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65747	BS	-	-	w	12	ACQ_SIMCLB		-	-	-	20µL → 40mL (not used, VC↓)
Z65748	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65749	BS	-	-	w	14	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65750	MB	-	-	w	15	ACQ_SIMCLB		-	-	-	MeC hit
Z65751	FA88617-2	1x	1	w	16	ACQ_SIMCLB		1	N	-	
Z65752	FA88617-3	1x	1	w	17	ACQ_SIMCLB		1	N	-	
Z65753	FA88617-11	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65754	FA88619-1	1x	1	w	19	ACQ_SIMCLB		1	N	-	
Z65755	FA88619-2	1x	1	w	20	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65756	FA88617-1	1x	1	w	21	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65757	FA88617-4	1x	1	w	22	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65758	FA88617-5	1x	1	w	23	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65759	FA88617-6	1x	1	w	24	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65760	FA88617-7	1x	1	w	25	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65761	FA88617-8	1x	1	w	26	ACQ_SIMCLB	#11 PDB	1	N	-	
Z65762	FA88617-9	1x	1	w	27	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65763	FA88617-10	1x	1	w	28	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65764	FA88617-12	1x	1	w	29	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65765	FA88619-2MS	5x	1	w	30	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65766	FA88619-2MSD	5x	1	w	31	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65767	ECC2586-5	-	-	w	32	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029. **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: CharleneG.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/10/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response:1404952	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2590		DATE VERIFIED: 09/11/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65835	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65836	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65837	CC2586-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65838	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65839	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65840	FA88620-1	1x	1	w	6	ACQ_SIMCLB		1	N	-	
Z65841	FA88606-1	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65842	FA88606-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65843	FA88606-3	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65844	FA88606-4	1x	1	w	10	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65845	FA88606-5	1x	1	w	11	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65846	FA88606-6	1x	1	w	12	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65847	FA88606-7	1x	1	w	13	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65848	FA88606-8	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65849	FA88606-9	1x	1	w	15	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65850	FA88606-10	1x	1	w	16	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65851	FA88606-11	1x	1	w	17	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65852	FA88606-12	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65853	FA88606-13	1x	1	w	19	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65854	FA88606-14	1x	1	w	20	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65855	FA88606-15	1x	1	w	21	ACQ_SIMCLB		1	N	-	
Z65856	FA88606-16	1x	1	w	22	ACQ_SIMCLB		1	N	-	
Z65857	FA88606-17	1x	1	w	23	ACQ_SIMCLB		1	N	-	
Z65858	FA88606-18	1x	1	w	24	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65859	FA88606-19	1x	1	w	25	ACQ_SIMCLB		1	N	-	
Z65860	FA88606-3MS	5x	1	w	26	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65861	FA88606-3MSD	5x	1	w	27	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65862	ECC2586-5	-	-	w	28	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

SGS Job Number: FA88736

Sampling Dates: 09/01/21 - 09/02/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **451**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Sections: 1 2 3 4 5 6 7

Table of Contents

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88736

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88736-1	09/01/21	07:30	TSTM	09/09/21	AQ	Trip Blank Water	2135X0BW191A
FA88736-2	09/01/21	08:30	TSTM	09/09/21	AQ	Ground Water	2135X0BW192F
FA88736-3	09/01/21	08:40	TSTM	09/09/21	AQ	Ground Water	2135X0BW193F
FA88736-4	09/01/21	08:52	TSTM	09/09/21	AQ	Ground Water	2135X0BW194F
FA88736-5	09/01/21	09:10	TSTM	09/09/21	AQ	Ground Water	2135X00B195F
FA88736-6	09/01/21	09:15	TSTM	09/09/21	AQ	Ground Water	2135X0BW196F
FA88736-7	09/01/21	09:25	TSTM	09/09/21	AQ	Ground Water	2135X0BW197F
FA88736-8	09/01/21	09:50	TSTM	09/09/21	AQ	Ground Water	2135X0BW199F
FA88736-9	09/01/21	09:53	TSTM	09/09/21	AQ	Ground Water	2135X0BW200D
FA88736-10	09/01/21	10:00	TSTM	09/09/21	AQ	Ground Water	2135X0BW201F
FA88736-11	09/01/21	10:10	TSTM	09/09/21	AQ	Ground Water	2135X0BW202F
FA88736-12	09/01/21	11:05	TSTM	09/09/21	AQ	Ground Water	2135X0BW203F
FA88736-13	09/01/21	11:15	TSTM	09/09/21	AQ	Ground Water	2135X0BW204F

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88736

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88736-14	09/01/21	11:35	TSTM	09/09/21	AQ	Ground Water	2135X0BW206F
FA88736-15	09/01/21	11:50	TSTM	09/09/21	AQ	Ground Water	2135X0BW207F
FA88736-16	09/01/21	12:10	TSTM	09/09/21	AQ	Ground Water	2135X0BW208F
FA88736-17	09/01/21	12:25	TSTM	09/09/21	AQ	Ground Water	2135X0BW209F
FA88736-18	09/01/21	12:28	TSTM	09/09/21	AQ	Ground Water	2135X0BW210D
FA88736-19	09/01/21	12:45	TSTM	09/09/21	AQ	Ground Water	2135X0BW211F
FA88736-20	09/01/21	13:55	TSTM	09/09/21	AQ	Ground Water	2135X0BW214F
FA88736-21	09/01/21	14:20	TSTM	09/09/21	AQ	Ground Water	2135X0BW215F
FA88736-22	09/01/21	15:00	TSTM	09/09/21	AQ	Ground Water	2135X0BW216F
FA88736-23	09/02/21	08:41	TMJS	09/09/21	AQ	Ground Water	2135X0BW220F
FA88736-24	09/02/21	08:48	TMJS	09/09/21	AQ	Ground Water	2135X0BW221F
FA88736-25	09/02/21	09:06	TMJS	09/09/21	AQ	Ground Water	2135X0BW223F
FA88736-26	09/02/21	09:07	TMJS	09/09/21	AQ	Ground Water	2135X0BW224F

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88736

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88736-27	09/02/21	09:21	TMJS	09/09/21	AQ	Ground Water	2135X0BW225F
FA88736-28	09/02/21	09:32	TMJS	09/09/21	AQ	Ground Water	2135X0BW226F
FA88736-29	09/02/21	09:33	TMJS	09/09/21	AQ	Ground Water	2135X0BW227F
FA88736-30	09/02/21	09:51	TMJS	09/09/21	AQ	Ground Water	2135X0BW228F
FA88736-31	09/02/21	09:52	TMJS	09/09/21	AQ	Ground Water	2135X0BW229F
FA88736-32	09/02/21	10:01	TMJS	09/09/21	AQ	Ground Water	2135X0BW230F
FA88736-33	09/02/21	10:03	TMJS	09/09/21	AQ	Ground Water	2135X0BW231F
FA88736-34	09/02/21	10:20	TMJS	09/09/21	AQ	Ground Water	2135X0BW232F
FA88736-35	09/02/21	08:55	TMJS	09/09/21	AQ	Ground Water	2135X0BW222F
FA88736-36	09/02/21	10:34	TMJS	09/09/21	AQ	Ground Water	2135X0BW233F
FA88736-37	09/02/21	10:35	TMJS	09/09/21	AQ	Ground Water	2135X0BW234D
FA88736-38	09/02/21	12:30	TMJS	09/09/21	AQ	Ground Water	2135XOU2236F
FA88736-39	09/02/21	12:33	TMJS	09/09/21	AQ	Ground Water	2135XOU2237D

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88736

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88736-40	09/02/21	13:15	TMJS	09/09/21	AQ	Ground Water	2135W0BW239F
FA88736-41	09/02/21	07:00	TMJS	09/09/21	AQ	Trip Blank Water	2135X0BW217A

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88736

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/20/2021 2:21:49

On 09/09/2021, 39 Sample(s), 2 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88736 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2557

Sample(s) FA88736-4MS, FA88736-4MSD were used as the QC samples indicated.

VO2557-MB for Methylene Chloride: Suspected laboratory contaminant.

Matrix: AQ **Batch ID:** VO2558

Sample(s) FA88736-21MS, FA88736-21MSD were used as the QC samples indicated.

Sample(s) FA88736-31 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

VO2558-MB for Methylene Chloride: Suspected laboratory contaminant.

FA88736-31 for Methylene Chloride: Suspected laboratory contaminant.

Matrix: AQ **Batch ID:** VO2559

Sample(s) FA88736-33MS, FA88736-33MSD were used as the QC samples indicated.

Sample(s) FA88736-35 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

FA88736-35 for Methylene Chloride: Suspected laboratory contaminant.

VO2559-MB for Methylene Chloride: Suspected laboratory contaminant.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88736-1	**2135X0BW191A**					
No hits reported in this sample.						
FA88736-2	**2135X0BW192F**					
Carbon Tetrachloride		1.2	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.36 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-3	**2135X0BW193F**					
Carbon Tetrachloride		1.0	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-4	**2135X0BW194F**					
Chloroform		2.1	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-5	**2135X00B195F**					
Carbon Tetrachloride		0.34 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.14 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-6	**2135X0BW196F**					
Carbon Tetrachloride		0.22 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.12 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-7	**2135X0BW197F**					
No hits reported in this sample.						
FA88736-8	**2135X0BW199F**					
No hits reported in this sample.						
FA88736-9	**2135X0BW200D**					
No hits reported in this sample.						
FA88736-10	**2135X0BW201F**					
No hits reported in this sample.						

Summary of Hits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88736-11	**2135X0BW202F**					
Carbon Tetrachloride		0.55	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.23 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-12	**2135X0BW203F**					
Carbon Tetrachloride		0.52	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.19 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.21 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-13	**2135X0BW204F**					
Carbon Tetrachloride		2.5	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.64	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.76	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-14	**2135X0BW206F**					
No hits reported in this sample.						
FA88736-15	**2135X0BW207F**					
Trichloroethylene		0.96	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-16	**2135X0BW208F**					
Carbon Tetrachloride		0.43 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.31 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		1.0	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-17	**2135X0BW209F**					
Trichloroethylene		0.59	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-18	**2135X0BW210D**					
Tetrachloroethylene		0.10 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.61	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-19	**2135X0BW211F**					
Carbon Tetrachloride		2.0	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.50	0.50	0.25	ug/l	SW846 8260B BY SIM
Tetrachloroethylene		0.11 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	LOQ	LOD	Units	Method
Trichloroethylene	1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-20 2135X0BW214F					
Carbon Tetrachloride	0.32 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform	0.21 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene	0.20 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-21 2135X0BW215F					
No hits reported in this sample.					
FA88736-22 2135X0BW216F					
Carbon Tetrachloride	0.89	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform	0.22 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-23 2135X0BW220F					
Carbon Tetrachloride	0.32 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform	0.11 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-24 2135X0BW221F					
Carbon Tetrachloride	0.56	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform	0.24 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-25 2135X0BW223F					
No hits reported in this sample.					
FA88736-26 2135X0BW224F					
Carbon Tetrachloride	0.14 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-27 2135X0BW225F					
Carbon Tetrachloride	2.3	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform	0.24 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-28 2135X0BW226F					
No hits reported in this sample.					

Summary of Hits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88736-29	**2135X0BW227F**					
No hits reported in this sample.						
FA88736-30	**2135X0BW228F**					
Carbon Tetrachloride		0.34 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.14 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-31	**2135X0BW229F**					
Carbon Tetrachloride		0.33 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.53 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88736-32	**2135X0BW230F**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.18 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-33	**2135X0BW231F**					
Carbon Tetrachloride		0.20 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.18 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-34	**2135X0BW232F**					
Carbon Tetrachloride		0.64	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.25 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-35	**2135X0BW222F**					
Carbon Tetrachloride		5.4	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.42 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.54 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88736-36	**2135X0BW233F**					
Carbon Tetrachloride		1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.22 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-37	**2135X0BW234D**					
Carbon Tetrachloride		0.97	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.21 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88736-38	**2135XOU2236F**					
Carbon Tetrachloride		0.36 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.13 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-39	**2135XOU2237D**					
Carbon Tetrachloride		0.28 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.13 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-40	**2135W0BW239F**					
Chloroform		1.0	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88736-41	**2135X0BW217A**					

No hits reported in this sample.

(a) Suspected laboratory contaminant.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: 2135X0BW191A
Lab Sample ID: FA88736-1
Matrix: AQ - Trip Blank Water
Method: SW846 8260B BY SIM
Project: Fort Ord Groundwater Monitoring

Date Sampled: 09/01/21
Date Received: 09/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65182.D	1	09/13/21 16:38	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW192F		
Lab Sample ID:	FA88736-2	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65184.D	1	09/13/21 17:24	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.2	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.36	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW193F		
Lab Sample ID:	FA88736-3	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65185.D	1	09/13/21 17:48	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.0	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW194F		
Lab Sample ID:	FA88736-4	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65186.D	1	09/13/21 18:11	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	2.1	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X00B195F		
Lab Sample ID:	FA88736-5	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65187.D	1	09/13/21 18:34	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.34	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW196F		
Lab Sample ID:	FA88736-6	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65188.D	1	09/13/21 18:58	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.22	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.12	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW197F		
Lab Sample ID:	FA88736-7	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65189.D	1	09/13/21 19:20	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW199F		
Lab Sample ID:	FA88736-8	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65190.D	1	09/13/21 19:44	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW200D		
Lab Sample ID:	FA88736-9	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65191.D	1	09/13/21 20:06	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW201F		
Lab Sample ID:	FA88736-10	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65192.D	1	09/13/21 20:29	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW202F		
Lab Sample ID:	FA88736-11	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65193.D	1	09/13/21 20:52	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.55	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.23	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW203F		
Lab Sample ID:	FA88736-12	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65194.D	1	09/13/21 21:15	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.52	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.19	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.21	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW204F		
Lab Sample ID:	FA88736-13	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65195.D	1	09/13/21 21:39	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.5	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.64	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.76	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW206F		
Lab Sample ID:	FA88736-14	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65196.D	1	09/13/21 22:02	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW207F		
Lab Sample ID:	FA88736-15	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65197.D	1	09/13/21 22:25	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.96	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW208F		
Lab Sample ID:	FA88736-16	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65198.D	1	09/13/21 22:49	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.43	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.31	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.0	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW209F		
Lab Sample ID:	FA88736-17	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65199.D	1	09/13/21 23:12	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.59	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW210D		
Lab Sample ID:	FA88736-18	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65200.D	1	09/13/21 23:35	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.10	0.50	0.25	0.10	ug/l	J
79-01-6	Trichloroethylene	0.61	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW211F		
Lab Sample ID:	FA88736-19	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65201.D	1	09/13/21 23:58	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.0	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.50	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.11	0.50	0.25	0.10	ug/l	J
79-01-6	Trichloroethylene	1.1	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW214F		
Lab Sample ID:	FA88736-20	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65211.D	1	09/14/21 03:50	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.32	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.21	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.20	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 2135X0BW215F
Lab Sample ID: FA88736-21
Matrix: AQ - Ground Water
Method: SW846 8260B BY SIM
Project: Fort Ord Groundwater Monitoring

Date Sampled: 09/01/21
Date Received: 09/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65212.D	1	09/14/21 04:14	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW216F		
Lab Sample ID:	FA88736-22	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65213.D	1	09/14/21 04:37	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.89	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.22	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW220F		
Lab Sample ID:	FA88736-23	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65214.D	1	09/14/21 05:00	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.32	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.11	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW221F		
Lab Sample ID:	FA88736-24	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65215.D	1	09/14/21 05:23	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.56	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.24	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW223F		
Lab Sample ID:	FA88736-25	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65216.D	1	09/14/21 05:46	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW224F		
Lab Sample ID:	FA88736-26	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65217.D	1	09/14/21 06:09	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.14	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW225F		
Lab Sample ID:	FA88736-27	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65218.D	1	09/14/21 06:32	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.3	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.24	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW226F		
Lab Sample ID:	FA88736-28	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65219.D	1	09/14/21 06:55	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW227F		
Lab Sample ID:	FA88736-29	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65220.D	1	09/14/21 07:18	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW228F		
Lab Sample ID:	FA88736-30	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65221.D	1	09/14/21 07:41	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.34	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW229F		
Lab Sample ID:	FA88736-31	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65222.D	1	09/14/21 08:04	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.33	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.53	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW230F		
Lab Sample ID:	FA88736-32	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65223.D	1	09/14/21 08:27	CG	n/a	n/a	VO2558
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW231F		
Lab Sample ID:	FA88736-33	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65236.D	1	09/14/21 15:44	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.20	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW232F		
Lab Sample ID:	FA88736-34	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65237.D	1	09/14/21 16:07	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.64	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW222F		
Lab Sample ID:	FA88736-35	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65238.D	1	09/14/21 16:30	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	5.4	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.42	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.54	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW233F		
Lab Sample ID:	FA88736-36	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65239.D	1	09/14/21 16:53	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.22	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW234D		
Lab Sample ID:	FA88736-37	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65240.D	1	09/14/21 17:15	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.97	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.21	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 2135XOU2236F
Lab Sample ID: FA88736-38
Matrix: AQ - Ground Water
Method: SW846 8260B BY SIM
Project: Fort Ord Groundwater Monitoring

Date Sampled: 09/02/21
Date Received: 09/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65241.D	1	09/14/21 17:38	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.36	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 2135XOU2237D
Lab Sample ID: FA88736-39
Matrix: AQ - Ground Water
Method: SW846 8260B BY SIM
Project: Fort Ord Groundwater Monitoring

Date Sampled: 09/02/21
Date Received: 09/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65242.D	1	09/14/21 18:01	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.28	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW239F		
Lab Sample ID:	FA88736-40	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65243.D	1	09/14/21 18:24	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	1.0	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW217A		
Lab Sample ID:	FA88736-41	**Date Sampled:**	09/02/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65183.D	1	09/13/21 17:01	CG	n/a	n/a	VO2557
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CA0S2361
Ahtna

CHAIN OF CUSTODY

WATER / SOIL FA88736 Chain of Custody #: 0335

1 OF 4

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Stuart, T. Moore
Project Name: Fort Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q 2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
1	2135X0BW191A	9/1/21	0730	X			2	2								X								
2	2135X0BW192F		0830	X			3	3								X								
3	2135X0BW193F		0910	X			3	3								X								
4	2135X0BW194F		0852	X			3	3								X								
5	2135X0BW195F		0910	X			3	3								X								
6	2135X0BW196F		0915	X			3	3								X								
7	2135X0BW197F		0925	X			3	3								X								
8	2135X0BW199F		0950	X			3	3								X								
9	2135X0BW200D		0953	X			2	2								X								
10	2135X0BW201F		1000	X			3	3								X								
11	2135X0BW202F		1010	X			3	3								X							INITIAL ASSESSMENT	
12	2135X0BW203F		1105	X			3	3								X								
13	2135X0BW204F		1115	X			3	3								X							LABEL VERIFICATION	
14	2135X0BW206F		1135	X			3	3								X								
15	2133X0BW207F	↓	1150	X			3	3								X								

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ____: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: Tracking ID:

Comments:

OVCTP-A

3 & IRH1

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	9/1/21 / 1625	Steve Korlay	9.1.21 / 1630
Relinquished By: Steve Korlay	Date/Time: 9.3.21 / 1040	Received By:	Date/Time: 9/3/21 1040
Relinquished By: FR	Date/Time:	Received By Laboratory:	Date/Time: 9/9/21 930

5.1 5

CADS23361

Ahtna

CHAIN OF CUSTODY

WATER / SOIL

FA88736 2084

Chain of Custody #: 0342

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA

Sampler/s: T. Stuart / T. Moore

Project Name: Fort Ord Borewide GWM

Report To: Derek Lieberman

Project Number: 21065.000.01.0000

E-Mail: dlieberman@ahtna.net

Sampling Event/Site: 3Q 2021

Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery

Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
16	2135X0BW206F	9/1/21	1210	X			3	3								X								
17	2135X0BW209F	9/1/21	1225	X			3	3								X								
18	2135X0BW210D	9/1/21	1224	X			2	2								X								
19	2135X0BW211F	9/1/21	1245	X			3	3								X								
20	2135X0BW214F	9/1/21	1355	X			3	3								X								
21	2135X0BW215F	9/1/21	1420	X			3	3								X								
22	2135X0BW216F	9/1/21	1500	X			3	3								X								

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: ____ Tracking ID: ____

Comments:

OCTPA

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time: 9/1/21 1625	Received By: Steve Kurday	Date/Time: 9.1.21 1630
Relinquished By: Steve Kurday	Date/Time: 9.3.21 1040	Received By: Lee	Date/Time: 9/3/21 1040
Relinquished By: FX	Date/Time:	Received By Laboratory:	Date/Time: 9/3/21 930

FA88736: Chain of Custody

Page 2 of 5

CADS23601
Ahtna

FA88736

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0347 3 of 4

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / J. Schammer
Project Name: Ft. ORD Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
	~~2135XØBW218F~~	9/2/21	0817	X			3	3			(FW)					X			
	~~2135XØBW219F~~		0823	X			3	3			(FW)					X			
23	2135XØBW220F		0841	X			3	3								X			
24	2135XØBW221F		0848	X			3	3								X			
25	2135XØBW223F		0906	X			3	3								X			
26	2135XØBW224F		0907	X			3	3								X			
27	2135XØBW225F		0921	X			3	3								X			
28	2135XØBW226F		0932	X			3	3								X			
29	2135XØBW227F		0933	X			3	3								X			
30	2135XØBW228F		0951	X			3	3								X			
31	2135XØBW229F		0952	X			3	3								X			
32	2135XØBW230F		1001	X			3	3								X			
33	2135XØBW231F		1003	X			3	3								X			
34	2135XØBW232F		1020	X			3	3								X			
35	2135XØBW222F	↓	0855	X			3	3								X			

Turnaround Time: X : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush

Shipment: Method: ____ Tracking ID: ____

Comments:

OUCTP-A

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom M	9-2-21 1538	Steve Korbay	9-3-21 / 1545
Relinquished By: Steve Korbay	Date/Time: 9-3-21 / 1040	Received By:	Date/Time: 9/3/21 1040
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time: 9/9/21 930

5.1 5

CADS2361
Ahtna

CHAIN OF CUSTODY

WATER / SOIL

FA88736

4 of 4

Chain of Custody #: 0348

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / J. Schammer
Project Name: Ft. OrD Basewide Gwm
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
36	2135XØBW233F	9-2-21	1034	X			3	3								X			
37	2135YØBW234D		1035	X			3	3								X			
	~~2135XØBW235F~~																		
38	2135XØW2236F		1230	X			3	3								X			
39	2135XØW2237D		1233	X			3	3								X			
40	2135WØBW239F		1315	X			3	3								X			
41	2135XØBW217A		0700	X			3	3								X			
	~~2135XØB~~																		

Turnaround Time: X: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: Tracking ID:

Comments:

OU CTP-A

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	9-2-2021 1539	Steve Kerday	9-2-21 / 1545
Relinquished By: Steve Kerday	Date/Time: 9-3-21 / 1040	Received By:	Date/Time: 9/3/21 1040
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time: 9/9/21 930

5.1 5

SGS Sample Receipt Summary

Job Number: FA88736 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP A

Date / Time Received: 9/9/2021 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 283413220066

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments SAMPLE #39 RECEIVED ONLY 2 VIALS

*Cooler was received on 09/09/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: PETERH Date: 9/9/2021 9:30:00 AM Reviewer: PH Date: 9/10/2021

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2557	SW846 8260B BY SIM						
VO2557-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VO2557-BS	67-66-3	Chloroform	BSP	REC	98	%	79-124
VO2557-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	104	%	71-131
VO2557-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	104	%	79-121
VO2557-BS	75-09-2	Methylene Chloride	BSP	REC	84	%	74-124
VO2557-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
VO2557-BS	79-01-6	Trichloroethylene	BSP	REC	98	%	79-123
VO2557-BS	75-01-4	Vinyl Chloride	BSP	REC	84	%	58-137
VO2557-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VO2557-BS	2037-26-5	Toluene-D8	BSP	SURR	101	%	89-112
FA88736-4MS	56-23-5	Carbon Tetrachloride	MS	REC	106	%	72-136
FA88736-4MS	67-66-3	Chloroform	MS	REC	102	%	79-124
FA88736-4MS	75-35-4	1,1-Dichloroethylene	MS	REC	111	%	71-131
FA88736-4MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	110	%	79-121
FA88736-4MS	75-09-2	Methylene Chloride	MS	REC	132	%	74-124
FA88736-4MS	127-18-4	Tetrachloroethylene	MS	REC	106	%	74-129
FA88736-4MS	79-01-6	Trichloroethylene	MS	REC	102	%	79-123
FA88736-4MS	75-01-4	Vinyl Chloride	MS	REC	95	%	58-137
FA88736-4MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA88736-4MS	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FA88736-4MSD	56-23-5	Carbon Tetrachloride	MSD	REC	109	%	72-136
FA88736-4MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FA88736-4MSD	67-66-3	Chloroform	MSD	REC	104	%	79-124
FA88736-4MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA88736-4MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	112	%	71-131
FA88736-4MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	1	%	20
FA88736-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FA88736-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	1	%	20
FA88736-4MSD	75-09-2	Methylene Chloride	MSD	REC	131	%	74-124
FA88736-4MSD	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FA88736-4MSD	127-18-4	Tetrachloroethylene	MSD	REC	108	%	74-129
FA88736-4MSD	127-18-4	Tetrachloroethylene	MSD	RPD	1	%	20
FA88736-4MSD	79-01-6	Trichloroethylene	MSD	REC	103	%	79-123
FA88736-4MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA88736-4MSD	75-01-4	Vinyl Chloride	MSD	REC	102	%	58-137
FA88736-4MSD	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA88736-4MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA88736-4MSD	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
VO2557-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	99	%	81-118
VO2557-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
FA88736-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA88736-1	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112

* Sample used for QC is not from job FA88736

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88736-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA88736-2	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88736-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA88736-3	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88736-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88736-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88736-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88736-5	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88736-6	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88736-7	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88736-8	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FA88736-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88736-9	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88736-10	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-11	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88736-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-12	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-13	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-14	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88736-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-15	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-16	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-17	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-18	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-19	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-19	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-41	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	100	%	81-118
FA88736-41	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
VO2558	SW846 8260B BY SIM						
VO2558-BS	56-23-5	Carbon Tetrachloride	BSP	REC	114	%	72-136
VO2558-BS	67-66-3	Chloroform	BSP	REC	108	%	79-124
VO2558-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	116	%	71-131
VO2558-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	115	%	79-121

* Sample used for QC is not from job FA88736

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2558-BS	75-09-2	Methylene Chloride	BSP	REC	92	%	74-124
VO2558-BS	127-18-4	Tetrachloroethylene	BSP	REC	112	%	74-129
VO2558-BS	79-01-6	Trichloroethylene	BSP	REC	112	%	79-123
VO2558-BS	75-01-4	Vinyl Chloride	BSP	REC	88	%	58-137
VO2558-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VO2558-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FA88736-21MS	56-23-5	Carbon Tetrachloride	MS	REC	118	%	72-136
FA88736-21MS	67-66-3	Chloroform	MS	REC	116	%	79-124
FA88736-21MS	75-35-4	1,1-Dichloroethylene	MS	REC	121	%	71-131
FA88736-21MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	119	%	79-121
FA88736-21MS	75-09-2	Methylene Chloride	MS	REC	145	%	74-124
FA88736-21MS	127-18-4	Tetrachloroethylene	MS	REC	117	%	74-129
FA88736-21MS	79-01-6	Trichloroethylene	MS	REC	113	%	79-123
FA88736-21MS	75-01-4	Vinyl Chloride	MS	REC	114	%	58-137
FA88736-21MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88736-21MS	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA88736-21MSD	56-23-5	Carbon Tetrachloride	MSD	REC	119	%	72-136
FA88736-21MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FA88736-21MSD	67-66-3	Chloroform	MSD	REC	118	%	79-124
FA88736-21MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA88736-21MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	124	%	71-131
FA88736-21MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FA88736-21MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	122	%	79-121
FA88736-21MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FA88736-21MSD	75-09-2	Methylene Chloride	MSD	REC	144	%	74-124
FA88736-21MSD	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FA88736-21MSD	127-18-4	Tetrachloroethylene	MSD	REC	118	%	74-129
FA88736-21MSD	127-18-4	Tetrachloroethylene	MSD	RPD	1	%	20
FA88736-21MSD	79-01-6	Trichloroethylene	MSD	REC	114	%	79-123
FA88736-21MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA88736-21MSD	75-01-4	Vinyl Chloride	MSD	REC	106	%	58-137
FA88736-21MSD	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FA88736-21MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA88736-21MSD	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
VO2558-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	103	%	81-118
VO2558-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
FA88736-20	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88736-20	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-21	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-21	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-22	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-22	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-23	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-23	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
FA88736-24	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118

* Sample used for QC is not from job FA88736

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88736-24	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-25	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-25	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-26	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-26	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-27	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-27	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-28	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-28	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88736-29	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-29	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88736-30	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88736-30	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-31	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88736-31	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-32	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88736-32	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
VO2559	SW846 8260B BY SIM						
VO2559-BS	56-23-5	Carbon Tetrachloride	BSP	REC	108	%	72-136
VO2559-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VO2559-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	108	%	71-131
VO2559-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	107	%	79-121
VO2559-BS	75-09-2	Methylene Chloride	BSP	REC	96	%	74-124
VO2559-BS	127-18-4	Tetrachloroethylene	BSP	REC	104	%	74-129
VO2559-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VO2559-BS	75-01-4	Vinyl Chloride	BSP	REC	104	%	58-137
VO2559-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	105	%	81-118
VO2559-BS	2037-26-5	Toluene-D8	BSP	SURR	95	%	89-112
FA88736-33MS	56-23-5	Carbon Tetrachloride	MS	REC	110	%	72-136
FA88736-33MS	67-66-3	Chloroform	MS	REC	109	%	79-124
FA88736-33MS	75-35-4	1,1-Dichloroethylene	MS	REC	115	%	71-131
FA88736-33MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	114	%	79-121
FA88736-33MS	75-09-2	Methylene Chloride	MS	REC	143	%	74-124
FA88736-33MS	127-18-4	Tetrachloroethylene	MS	REC	110	%	74-129
FA88736-33MS	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FA88736-33MS	75-01-4	Vinyl Chloride	MS	REC	109	%	58-137
FA88736-33MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88736-33MS	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA88736-33MSD	56-23-5	Carbon Tetrachloride	MSD	REC	111	%	72-136
FA88736-33MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FA88736-33MSD	67-66-3	Chloroform	MSD	REC	108	%	79-124
FA88736-33MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA88736-33MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	115	%	71-131

* Sample used for QC is not from job FA88736

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88736
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88736-33MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA88736-33MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	113	%	79-121
FA88736-33MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	0	%	20
FA88736-33MSD	75-09-2	Methylene Chloride	MSD	REC	136	%	74-124
FA88736-33MSD	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FA88736-33MSD	127-18-4	Tetrachloroethylene	MSD	REC	108	%	74-129
FA88736-33MSD	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
FA88736-33MSD	79-01-6	Trichloroethylene	MSD	REC	110	%	79-123
FA88736-33MSD	79-01-6	Trichloroethylene	MSD	RPD	4	%	20
FA88736-33MSD	75-01-4	Vinyl Chloride	MSD	REC	110	%	58-137
FA88736-33MSD	75-01-4	Vinyl Chloride	MSD	RPD	1	%	20
FA88736-33MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	105	%	81-118
FA88736-33MSD	2037-26-5	Toluene-D8	MSD	SURR	99	%	89-112
VO2559-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VO2559-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
FA88736-33	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88736-33	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-34	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88736-34	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88736-35	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FA88736-35	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-36	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88736-36	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-37	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FA88736-37	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-38	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FA88736-38	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88736-39	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FA88736-39	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88736-40	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88736-40	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112

* Sample used for QC is not from job FA88736

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2557-MB	O65180.D	1	09/13/21	CG	n/a	n/a	VO2557

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-1, FA88736-2, FA88736-3, FA88736-4, FA88736-5, FA88736-6, FA88736-7, FA88736-8, FA88736-9, FA88736-10, FA88736-11, FA88736-12, FA88736-13, FA88736-14, FA88736-15, FA88736-16, FA88736-17, FA88736-18, FA88736-19, FA88736-41

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.60	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	101%	88-111%

(a) Suspected laboratory contaminant.

Method Blank Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2558-MB	O65209.D	1	09/14/21	CG	n/a	n/a	VO2558

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-20, FA88736-21, FA88736-22, FA88736-23, FA88736-24, FA88736-25, FA88736-26, FA88736-27, FA88736-28, FA88736-29, FA88736-30, FA88736-31, FA88736-32

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.53	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

(a) Suspected laboratory contaminant.

Method Blank Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2559-MB	O65231.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-33, FA88736-34, FA88736-35, FA88736-36, FA88736-37, FA88736-38, FA88736-39, FA88736-40

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride [a]	1.9	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

(a) Suspected laboratory contaminant.

Blank Spike Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2557-BS	O65179.D	1	09/13/21	CG	n/a	n/a	VO2557

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-1, FA88736-2, FA88736-3, FA88736-4, FA88736-5, FA88736-6, FA88736-7, FA88736-8, FA88736-9, FA88736-10, FA88736-11, FA88736-12, FA88736-13, FA88736-14, FA88736-15, FA88736-16, FA88736-17, FA88736-18, FA88736-19, FA88736-41

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
67-66-3	Chloroform	5	4.9	98	80-124
75-35-4	1,1-Dichloroethylene	5	5.2	104	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.4	104	76-127
75-09-2	Methylene Chloride	5	4.2	84	69-135
127-18-4	Tetrachloroethylene	5	5.1	102	76-135
79-01-6	Trichloroethylene	5	4.9	98	81-126
75-01-4	Vinyl Chloride	5	4.2	84	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	101%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2558-BS	O65208.D	1	09/14/21	CG	n/a	n/a	VO2558

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-20, FA88736-21, FA88736-22, FA88736-23, FA88736-24, FA88736-25, FA88736-26, FA88736-27, FA88736-28, FA88736-29, FA88736-30, FA88736-31, FA88736-32

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.7	114	76-136
67-66-3	Chloroform	5	5.4	108	80-124
75-35-4	1,1-Dichloroethylene	5	5.8	116	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.5	115	76-127
75-09-2	Methylene Chloride	5	4.6	92	69-135
127-18-4	Tetrachloroethylene	5	5.6	112	76-135
79-01-6	Trichloroethylene	5	5.6	112	81-126
75-01-4	Vinyl Chloride	5	4.4	88	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2559-BS	O65251.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-33, FA88736-34, FA88736-35, FA88736-36, FA88736-37, FA88736-38, FA88736-39, FA88736-40

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.4	108	76-136
67-66-3	Chloroform	5	5.2	104	80-124
75-35-4	1,1-Dichloroethylene	5	5.4	108	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.7	107	76-127
75-09-2	Methylene Chloride	5	4.8	96	69-135
127-18-4	Tetrachloroethylene	5	5.2	104	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	5.2	104	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	95%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88736-4MS	O65202.D	5	09/14/21	CG	n/a	n/a	VO2557
FA88736-4MSD	O65203.D	5	09/14/21	CG	n/a	n/a	VO2557
FA88736-4	O65186.D	1	09/13/21	CG	n/a	n/a	VO2557

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-1, FA88736-2, FA88736-3, FA88736-4, FA88736-5, FA88736-6, FA88736-7, FA88736-8, FA88736-9, FA88736-10, FA88736-11, FA88736-12, FA88736-13, FA88736-14, FA88736-15, FA88736-16, FA88736-17, FA88736-18, FA88736-19, FA88736-41

CAS No.	Compound	FA88736-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	26.6	106	25	27.2	109	2	76-136/23
67-66-3	Chloroform	2.1		25	27.7	102	25	28.1	104	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50	U	25	27.7	111	25	28.0	112	1	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50	U	50	55.0	110	50	55.6	111	1	76-127/17
75-09-2	Methylene Chloride	2.0	U	25	33.1	132	25	32.8	131	1	69-135/16
127-18-4	Tetrachloroethylene	0.50	U	25	26.5	106	25	26.9	108	1	76-135/16
79-01-6	Trichloroethylene	0.50	U	25	25.5	102	25	25.8	103	1	81-126/15
75-01-4	Vinyl Chloride	0.10	U	25	23.8	95	25	25.5	102	7	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88736-4	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	102%	102%	74-125%
2037-26-5	Toluene-D8	97%	97%	98%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88736-21MS	O65224.D	5	09/14/21	CG	n/a	n/a	VO2558
FA88736-21MSD	O65225.D	5	09/14/21	CG	n/a	n/a	VO2558
FA88736-21	O65212.D	1	09/14/21	CG	n/a	n/a	VO2558

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-20, FA88736-21, FA88736-22, FA88736-23, FA88736-24, FA88736-25, FA88736-26, FA88736-27, FA88736-28, FA88736-29, FA88736-30, FA88736-31, FA88736-32

CAS No.	Compound	FA88736-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	29.6	118	25	29.7	119	0	76-136/23
67-66-3	Chloroform	0.50	U	25	29.1	116	25	29.5	118	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50	U	25	30.2	121	25	31.0	124	3	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50	U	50	59.7	119	50	61.2	122	2	76-127/17
75-09-2	Methylene Chloride	2.0	U	25	36.3	145*	25	36.1	144*	1	69-135/16
127-18-4	Tetrachloroethylene	0.50	U	25	29.3	117	25	29.6	118	1	76-135/16
79-01-6	Trichloroethylene	0.50	U	25	28.2	113	25	28.6	114	1	81-126/15
75-01-4	Vinyl Chloride	0.10	U	25	28.4	114	25	26.4	106	7	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88736-21	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	102%	105%	74-125%
2037-26-5	Toluene-D8	99%	96%	96%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88736-33MS	O65252.D	5	09/14/21	CG	n/a	n/a	VO2559
FA88736-33MSD	O65253.D	5	09/14/21	CG	n/a	n/a	VO2559
FA88736-33	O65236.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88736-33, FA88736-34, FA88736-35, FA88736-36, FA88736-37, FA88736-38, FA88736-39, FA88736-40

CAS No.	Compound	FA88736-33 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.20	J	25	27.8	110	25	27.9	111	0	76-136/23
67-66-3	Chloroform	0.18	J	25	27.5	109	25	27.3	108	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U		25	28.7	115	25	28.7	115	0	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U		50	56.8	114	50	56.6	113	0	76-127/17
75-09-2	Methylene Chloride	2.0 U		25	35.8	143*	25	33.9	136*	5	69-135/16
127-18-4	Tetrachloroethylene	0.50 U		25	27.4	110	25	26.9	108	2	76-135/16
79-01-6	Trichloroethylene	0.50 U		25	26.4	106	25	27.5	110	4	81-126/15
75-01-4	Vinyl Chloride	0.10 U		25	27.3	109	25	27.5	110	1	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88736-33	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	105%	105%	74-125%
2037-26-5	Toluene-D8	99%	99%	96%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2556-BFB
Lab File ID: O65163.D
Instrument ID: GCMSO
Injection Date: 09/13/21
Injection Time: 09:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	81085	21.8		Pass
75	30.0 - 60.0% of mass 95	174832	46.9		Pass
95	Base peak, 100% relative abundance	372501	100.0		Pass
96	5.0 - 9.0% of mass 95	24464	6.57		Pass
173	Less than 2.0% of mass 174	2200	0.59	(0.77) [a]	Pass
174	50.0 - 100.0% of mass 95	286592	76.9		Pass
175	5.0 - 9.0% of mass 174	20630	5.54	(7.20) [a]	Pass
176	95.0 - 101.0% of mass 174	274475	73.7	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	17869	4.80	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2556-IC2556	O65167.D	09/13/21	10:50	01:34	Initial cal 1
VO2556-IC2556	O65168.D	09/13/21	11:13	01:57	Initial cal 2
VO2556-IC2556	O65169.D	09/13/21	11:36	02:20	Initial cal 3
VO2556-IC2556	O65170.D	09/13/21	11:59	02:43	Initial cal 4
VO2556-ICC2556	O65171.D	09/13/21	12:22	03:06	Initial cal 5
VO2556-IC2556	O65172.D	09/13/21	12:45	03:29	Initial cal 6
VO2556-IC2556	O65173.D	09/13/21	13:08	03:52	Initial cal 7
VO2556-ICV2556	O65175.D	09/13/21	13:54	04:38	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2557-BFB
Lab File ID: O65177.D
Instrument ID: GCMSO
Injection Date: 09/13/21
Injection Time: 14:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2728	24.2		Pass
75	30.0 - 60.0% of mass 95	5782	51.2		Pass
95	Base peak, 100% relative abundance	11292	100.0		Pass
96	5.0 - 9.0% of mass 95	895	7.93		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	7726	68.4		Pass
175	5.0 - 9.0% of mass 174	571	5.06	(7.39) [a]	Pass
176	95.0 - 101.0% of mass 174	7730	68.5	(100.1) [a]	Pass
177	5.0 - 9.0% of mass 176	561	4.97	(7.26) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2557-CC2556	O65178.D	09/13/21	15:04	00:23	Continuing cal 5
VO2557-BS	O65179.D	09/13/21	15:28	00:47	Blank Spike
VO2557-MB	O65180.D	09/13/21	15:51	01:10	Method Blank
FA88736-1	O65182.D	09/13/21	16:38	01:57	2135X0BW191A
FA88736-41	O65183.D	09/13/21	17:01	02:20	2135X0BW217A
FA88736-2	O65184.D	09/13/21	17:24	02:43	2135X0BW192F
FA88736-3	O65185.D	09/13/21	17:48	03:07	2135X0BW193F
FA88736-4	O65186.D	09/13/21	18:11	03:30	2135X0BW194F
FA88736-5	O65187.D	09/13/21	18:34	03:53	2135X00B195F
FA88736-6	O65188.D	09/13/21	18:58	04:17	2135X0BW196F
FA88736-7	O65189.D	09/13/21	19:20	04:39	2135X0BW197F
FA88736-8	O65190.D	09/13/21	19:44	05:03	2135X0BW199F
FA88736-9	O65191.D	09/13/21	20:06	05:25	2135X0BW200D
FA88736-10	O65192.D	09/13/21	20:29	05:48	2135X0BW201F
FA88736-11	O65193.D	09/13/21	20:52	06:11	2135X0BW202F
FA88736-12	O65194.D	09/13/21	21:15	06:34	2135X0BW203F
FA88736-13	O65195.D	09/13/21	21:39	06:58	2135X0BW204F
FA88736-14	O65196.D	09/13/21	22:02	07:21	2135X0BW206F
FA88736-15	O65197.D	09/13/21	22:25	07:44	2135X0BW207F
FA88736-16	O65198.D	09/13/21	22:49	08:08	2135X0BW208F
FA88736-17	O65199.D	09/13/21	23:12	08:31	2135X0BW209F
FA88736-18	O65200.D	09/13/21	23:35	08:54	2135X0BW210D
FA88736-19	O65201.D	09/13/21	23:58	09:17	2135X0BW211F
FA88736-4MS	O65202.D	09/14/21	00:22	09:41	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VO2557-BFB	**Injection Date:**	09/13/21
Lab File ID:	O65177.D	**Injection Time:**	14:41
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88736-4MSD	O65203.D	09/14/21	00:45	10:04	Matrix Spike Duplicate
VO2557-ECC2556	O65204.D	09/14/21	01:08	10:27	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VO2558-BFB	**Injection Date:**	09/14/21
Lab File ID:	O65206.D	**Injection Time:**	01:54
Instrument ID:	GCMSO		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	67245	22.9		Pass
75	30.0 - 60.0% of mass 95	140501	47.9		Pass
95	Base peak, 100% relative abundance	293120	100.0		Pass
96	5.0 - 9.0% of mass 95	19747	6.74		Pass
173	Less than 2.0% of mass 174	1758	0.60	(0.80) [a]	Pass
174	50.0 - 100.0% of mass 95	218517	74.5		Pass
175	5.0 - 9.0% of mass 174	15762	5.38	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	210496	71.8	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	14058	4.80	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2558-CC2556	O65207.D	09/14/21	02:18	00:24	Continuing cal 5
VO2558-BS	O65208.D	09/14/21	02:40	00:46	Blank Spike
VO2558-MB	O65209.D	09/14/21	03:03	01:09	Method Blank
FA88736-20	O65211.D	09/14/21	03:50	01:56	2135X0BW214F
FA88736-21	O65212.D	09/14/21	04:14	02:20	2135X0BW215F
FA88736-22	O65213.D	09/14/21	04:37	02:43	2135X0BW216F
FA88736-23	O65214.D	09/14/21	05:00	03:06	2135X0BW220F
FA88736-24	O65215.D	09/14/21	05:23	03:29	2135X0BW221F
FA88736-25	O65216.D	09/14/21	05:46	03:52	2135X0BW223F
FA88736-26	O65217.D	09/14/21	06:09	04:15	2135X0BW224F
FA88736-27	O65218.D	09/14/21	06:32	04:38	2135X0BW225F
FA88736-28	O65219.D	09/14/21	06:55	05:01	2135X0BW226F
FA88736-29	O65220.D	09/14/21	07:18	05:24	2135X0BW227F
FA88736-30	O65221.D	09/14/21	07:41	05:47	2135X0BW228F
FA88736-31	O65222.D	09/14/21	08:04	06:10	2135X0BW229F
FA88736-32	O65223.D	09/14/21	08:27	06:33	2135X0BW230F
FA88736-21MS	O65224.D	09/14/21	08:50	06:56	Matrix Spike
FA88736-21MSD	O65225.D	09/14/21	09:14	07:20	Matrix Spike Duplicate
VO2558-ECC2556	O65226.D	09/14/21	09:36	07:42	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2559-BFB
Lab File ID: O65228.D
Instrument ID: GCMSO
Injection Date: 09/14/21
Injection Time: 12:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	65659	23.1		Pass
75	30.0 - 60.0% of mass 95	138499	48.6		Pass
95	Base peak, 100% relative abundance	284821	100.0		Pass
96	5.0 - 9.0% of mass 95	19080	6.70		Pass
173	Less than 2.0% of mass 174	1729	0.61	(0.81) [a]	Pass
174	50.0 - 100.0% of mass 95	212736	74.7		Pass
175	5.0 - 9.0% of mass 174	15955	5.60	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	206144	72.4	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	13267	4.66	(6.44) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2559-CC2556	O65229.D	09/14/21	13:01	00:23	Continuing cal 5
VO2559-MB	O65231.D	09/14/21	13:47	01:09	Method Blank
ZZZZZZ	O65233.D	09/14/21	14:35	01:57	(unrelated sample)
ZZZZZZ	O65234.D	09/14/21	14:58	02:20	(unrelated sample)
ZZZZZZ	O65235.D	09/14/21	15:21	02:43	(unrelated sample)
FA88736-33	O65236.D	09/14/21	15:44	03:06	2135X0BW231F
FA88736-34	O65237.D	09/14/21	16:07	03:29	2135X0BW232F
FA88736-35	O65238.D	09/14/21	16:30	03:52	2135X0BW222F
FA88736-36	O65239.D	09/14/21	16:53	04:15	2135X0BW233F
FA88736-37	O65240.D	09/14/21	17:15	04:37	2135X0BW234D
FA88736-38	O65241.D	09/14/21	17:38	05:00	2135XOU2236F
FA88736-39	O65242.D	09/14/21	18:01	05:23	2135XOU2237D
FA88736-40	O65243.D	09/14/21	18:24	05:46	2135W0BW239F
ZZZZZZ	O65244.D	09/14/21	18:47	06:09	(unrelated sample)
ZZZZZZ	O65245.D	09/14/21	19:11	06:33	(unrelated sample)
ZZZZZZ	O65246.D	09/14/21	19:34	06:56	(unrelated sample)
ZZZZZZ	O65247.D	09/14/21	19:57	07:19	(unrelated sample)
ZZZZZZ	O65248.D	09/14/21	20:20	07:42	(unrelated sample)
ZZZZZZ	O65249.D	09/14/21	20:44	08:06	(unrelated sample)
ZZZZZZ	O65250.D	09/14/21	21:07	08:29	(unrelated sample)
VO2559-BS	O65251.D	09/14/21	21:30	08:52	Blank Spike
FA88736-33MS	O65252.D	09/14/21	21:53	09:15	Matrix Spike
FA88736-33MSD	O65253.D	09/14/21	22:15	09:37	Matrix Spike Duplicate
VO2559-ECC2556	O65254.D	09/14/21	22:38	10:00	Ending cal 5

Internal Standard Area Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2557-CC2556	**Injection Date:**	09/13/21
Lab File ID:	O65178.D	**Injection Time:**	15:04
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	46998	10.78	33237	13.65
Check Std [b]	50119	10.78	35297	13.65
Upper Limit [c]	100238	10.95	70594	13.82
Lower Limit [d]	25060	10.61	17649	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2557-BS	47801	10.78	33140	13.65
VO2557-MB	48593	10.78	33516	13.65
FA88736-1	45129	10.78	31415	13.65
FA88736-41	46081	10.78	32115	13.65
FA88736-2	44949	10.78	31633	13.65
FA88736-3	47059	10.78	32932	13.65
FA88736-4	43852	10.78	30776	13.65
FA88736-5	44719	10.78	31473	13.65
FA88736-6	45874	10.78	32230	13.65
FA88736-7	42626	10.78	29806	13.65
FA88736-8	45493	10.78	32326	13.65
FA88736-9	43323	10.78	30273	13.65
FA88736-10	43237	10.78	30128	13.65
FA88736-11	42148	10.78	29126	13.65
FA88736-12	42522	10.78	30007	13.65
FA88736-13	45785	10.78	32671	13.65
FA88736-14	42856	10.78	30474	13.65
FA88736-15	41697	10.78	29399	13.65
FA88736-16	41662	10.78	29606	13.65
FA88736-17	40398	10.78	28728	13.65
FA88736-18	38741	10.78	27259	13.65
FA88736-19	40137	10.78	28557	13.65
FA88736-4MS	40792	10.78	28747	13.65
FA88736-4MSD	41326	10.78	29026	13.65
VO2557-ECC255	39138	10.78	28313	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2556-ICC2556 O65171.D 09/13/21 12:22
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2558-CC2556	**Injection Date:**	09/14/21
Lab File ID:	O65207.D	**Injection Time:**	02:18
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	46998	10.78	33237	13.65
Check Std [b]	40589	10.78	28962	13.65
Upper Limit [c]	81178	10.95	57924	13.82
Lower Limit [d]	20295	10.61	14481	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2558-BS	42831	10.78	29947	13.65
VO2558-MB	40288	10.78	27793	13.65
FA88736-20	40508	10.78	28331	13.65
FA88736-21	38730	10.78	27469	13.65
FA88736-22	36577	10.78	25934	13.65
FA88736-23	38574	10.78	26832	13.65
FA88736-24	38342	10.78	26881	13.65
FA88736-25	35864	10.78	25334	13.65
FA88736-26	35018	10.78	24584	13.65
FA88736-27	35835	10.78	25486	13.65
FA88736-28	37042	10.78	26721	13.65
FA88736-29	36708	10.78	26250	13.65
FA88736-30	35203	10.78	25019	13.65
FA88736-31	34559	10.78	24076	13.65
FA88736-32	35528	10.78	25179	13.65
FA88736-21MS	34747	10.78	24544	13.65
FA88736-21MSD	35410	10.78	25084	13.65
VO2558-ECC2556	34595	10.78	25048	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2556-ICC2556 O65171.D 09/13/21 12:22
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2559-CC2556	**Injection Date:**	09/14/21
Lab File ID:	O65229.D	**Injection Time:**	13:01
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	46998	10.78	33237	13.65
Check Std [b]	38888	10.78	27778	13.65
Upper Limit [c]	77776	10.95	55556	13.82
Lower Limit [d]	19444	10.61	13889	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2559-MB	35743	10.78	24967	13.65
ZZZZZZ	36325	10.78	25302	13.65
ZZZZZZ	33502	10.78	23216	13.65
ZZZZZZ	36513	10.78	25876	13.65
FA88736-33	36020	10.78	25298	13.65
FA88736-34	35757	10.78	25319	13.65
FA88736-35	34216	10.78	24542	13.65
FA88736-36	34738	10.78	24746	13.65
FA88736-37	35445	10.78	24902	13.65
FA88736-38	35492	10.78	25375	13.65
FA88736-39	37435	10.78	26697	13.65
FA88736-40	38555	10.78	27067	13.65
ZZZZZZ	35104	10.78	25023	13.65
ZZZZZZ	36381	10.78	25489	13.65
ZZZZZZ	34353	10.78	24786	13.65
ZZZZZZ	34846	10.78	24446	13.65
ZZZZZZ	35486	10.78	25495	13.65
ZZZZZZ	35594	10.78	25482	13.65
ZZZZZZ	34789	10.78	25301	13.65
VO2559-BS	35264	10.78	24847	13.65
FA88736-33MS	36352	10.78	25524	13.65
FA88736-33MSD	36177	10.78	25835	13.65
VO2559-ECC255	37867	10.78	27351	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2556-ICC2556 O65171.D 09/13/21 12:22
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88736-1	O65182.D	100	99
FA88736-2	O65184.D	101	99
FA88736-3	O65185.D	100	98
FA88736-4	O65186.D	102	98
FA88736-5	O65187.D	102	97
FA88736-6	O65188.D	102	97
FA88736-7	O65189.D	103	97
FA88736-8	O65190.D	102	98
FA88736-9	O65191.D	103	97
FA88736-10	O65192.D	103	97
FA88736-11	O65193.D	105	97
FA88736-12	O65194.D	104	96
FA88736-13	O65195.D	104	96
FA88736-14	O65196.D	104	99
FA88736-15	O65197.D	105	95
FA88736-16	O65198.D	104	96
FA88736-17	O65199.D	104	95
FA88736-18	O65200.D	105	95
FA88736-19	O65201.D	105	95
FA88736-20	O65211.D	104	96
FA88736-21	O65212.D	105	96
FA88736-22	O65213.D	105	95
FA88736-23	O65214.D	105	99
FA88736-24	O65215.D	104	96
FA88736-25	O65216.D	106	95
FA88736-26	O65217.D	106	95
FA88736-27	O65218.D	106	95
FA88736-28	O65219.D	106	94
FA88736-29	O65220.D	106	94
FA88736-30	O65221.D	106	95
FA88736-31	O65222.D	107	96
FA88736-32	O65223.D	107	95
FA88736-33	O65236.D	105	96
FA88736-34	O65237.D	107	96
FA88736-35	O65238.D	108	95
FA88736-36	O65239.D	107	95
FA88736-37	O65240.D	108	95
FA88736-38	O65241.D	108	94
FA88736-39	O65242.D	108	95
FA88736-40	O65243.D	107	97

Surrogate Recovery Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88736-41	O65183.D	100	99
FA88736-21MS	O65224.D	103	99
FA88736-21MSD	O65225.D	102	96
FA88736-33MS	O65252.D	103	99
FA88736-33MSD	O65253.D	105	99
FA88736-4MS	O65202.D	102	97
FA88736-4MSD	O65203.D	102	97
VO2557-BS	O65179.D	99	101
VO2557-MB	O65180.D	99	101
VO2558-BS	O65208.D	99	97
VO2558-MB	O65209.D	103	97
VO2559-BS	O65251.D	105	95
VO2559-MB	O65231.D	104	97

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2556-ICC2556
Lab FileID: O65171.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

Calibration Files
1 =O65167.D 2 =O65168.D 3 =O65169.D 4 =O65170.D
5 =O65171.D 6 =O65172.D 7 =O65173.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Vinyl Chloride	0.885	0.759	0.747	0.773	0.858	0.872	0.866	0.823	7.34
3) Chloromethane	2.460	1.215	1.002	0.995	1.026	1.049	1.026	1.253	42.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 1.03043 *A + 0.00041 *A^2									
4) 1,1-Dichloroethen	1.020	0.962	0.931	1.139	1.077	1.101	1.111	1.049	7.56
5) Methylene Chlorid			3.240	2.249	1.490	1.379	1.299	1.931	42.64
---- Linear regr., Force(0,0) ---- Coefficient = 0.9927									
Response Ratio = 0.00000 + 1.39006 *A									
6) trans-1,2-Dichlor	1.020	0.962	0.931	1.139	1.077	1.101	1.111	1.049	7.56
7) 1,1-Dichloroethan	1.150	1.109	1.060	1.260	1.181	1.214	1.224	1.171	5.95
8) cis-1,2-Dichloroe	0.531	0.479	0.461	0.559	0.531	0.543	0.550	0.522	7.15
9) Chloroform	1.230	1.056	1.060	1.226	1.140	1.165	1.173	1.150	6.14
10) Carbon Tetrachlor	0.655	0.642	0.634	0.774	0.736	0.767	0.773	0.712	9.15
11) 1,1,1-Trichloroet	0.854	0.838	0.819	0.987	0.940	0.967	0.980	0.912	7.96
12) Benzene	2.239	1.974	1.883	2.271	2.119	2.200	2.233	2.131	6.97
13)S 1,2-Dichloroethan	0.422	0.428	0.418	0.421	0.421	0.426	0.427	0.423	0.96
14) 1,2-Dichloroethan	1.139	1.029	1.004	1.172	1.082	1.121	1.134	1.097	5.64
15) Trichloroethene	0.614	0.619	0.600	0.743	0.668	0.665	0.676	0.655	7.50
16) 1,2-Dichloropropa	0.651	0.619	0.600	0.708	0.660	0.683	0.694	0.659	6.01
17) cis-1,3-Dichlorop	0.691	0.623	0.657	0.835	0.793	0.842	0.874	0.759	13.24
18) I Chlorobenzene-d5	----------ISTD----------								
19)S Toluene-d8	1.143	1.187	1.201	1.185	1.155	1.151	1.155	1.168	1.90
20) trans-1,3-Dichlor	0.972	0.912	0.952	1.177	1.121	1.179	1.222	1.076	11.86
21) Tetrachloroethene	0.804	0.768	0.724	0.861	0.811	0.819	0.826	0.802	5.52

(#) = Out of Range

SIMCL-09-13-2021.M Mon Sep 13 14:13:04 2021

Initial Calibration Verification

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2556-ICV2556
Lab FileID: O65175.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65175.D Vial: 14
Acq On : 13 Sep 2021 1:54 pm Operator: charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.78
2		Vinyl Chloride	0.823	0.708	14.0	84	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	8.415	15.9	86	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	1.049	1.043	0.6	98	0.01	5.46
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	10.189	-1.9	97	0.00	6.50
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	1.049	1.043	0.6	98	0.01	5.46
7		1,1-Dichloroethane	1.171	1.179	-0.7	101	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.515	1.3	99	0.01	5.46
9		Chloroform	1.150	1.093	5.0	97	0.00	9.45
10		Carbon Tetrachloride	0.712	0.691	2.9	96	0.00	9.66
11		1,1,1-Trichloroethane	0.912	0.896	1.8	97	0.00	9.76
12		Benzene	2.131	2.085	2.2	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.416	1.7	100	0.00	10.44
14		1,2-Dichloroethane	1.097	1.050	4.3	99	0.00	10.52
15		Trichloroethene	0.655	0.628	4.1	95	0.00	10.97
16		1,2-Dichloropropane	0.659	0.649	1.5	100	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.771	-1.6	99	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	13.65
19	S	Toluene-d8	1.168	1.169	-0.1	103	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.094	-1.7	99	0.00	12.77
21		Tetrachloroethene	0.802	0.784	2.2	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Mon Sep 13 14:12:56 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2557-CC2556
Lab FileID: O65178.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65178.D Vial: 3
Acq On : 13 Sep 2021 3:04 pm Operator: charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	107	0.00	10.78
2		Vinyl Chloride	0.823	0.806	2.1	100	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	9.506	4.9	102	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	1.049	1.021	2.7	101	0.02	5.47
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	10.625	-6.3	106	0.00	6.51
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	1.049	1.021	2.7	101	0.02	5.47
7		1,1-Dichloroethane	1.171	1.116	4.7	101	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.503	3.6	101	0.02	5.47
9		Chloroform	1.150	1.077	6.3	101	0.00	9.45
10		Carbon Tetrachloride	0.712	0.705	1.0	102	0.00	9.66
11		1,1,1-Trichloroethane	0.912	0.895	1.9	101	0.00	9.76
12		Benzene	2.131	2.032	4.6	102	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.422	0.2	107	0.00	10.44
14		1,2-Dichloroethane	1.097	1.038	5.4	102	0.00	10.52
15		Trichloroethene	0.655	0.613	6.4	98	0.00	10.97
16		1,2-Dichloropropane	0.659	0.627	4.9	101	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.757	0.3	102	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.65
19	S	Toluene-d8	1.168	1.159	0.8	107	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.075	0.1	102	0.00	12.77
21		Tetrachloroethene	0.802	0.766	4.5	100	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 11:08:20 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2557-ECC2556
Lab FileID: O65204.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65204.D Vial: 29
Acq On : 14 Sep 2021 1:08 am Operator: charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	83	0.00	10.78
2		Vinyl Chloride	0.823	0.946	-14.9	92	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.379	-3.8	87	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.152	-9.8	89	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.697	-7.0	83	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.152	-9.8	89	0.00	5.45
7		1,1-Dichloroethane	1.171	1.307	-11.6	92	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.563	-7.9	88	0.00	5.45
9		Chloroform	1.150	1.263	-9.8	92	0.00	9.45
10		Carbon Tetrachloride	0.712	0.764	-7.3	86	0.00	9.66
11		1,1,1-Trichloroethane	0.912	0.998	-9.4	88	0.00	9.75
12		Benzene	2.131	2.318	-8.8	91	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.423	0.0	84	0.00	10.44
14		1,2-Dichloroethane	1.097	1.205	-9.8	93	0.00	10.52
15		Trichloroethene	0.655	0.733	-11.9	91	0.00	10.97
16		1,2-Dichloropropane	0.659	0.736	-11.7	93	0.00	11.52
17		cis-1,3-Dichloropropene	0.759	0.811	-6.9	85	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	13.65
19	S	Toluene-d8	1.168	1.114	4.6	82	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.121	-4.2	85	0.00	12.77
21		Tetrachloroethene	0.802	0.860	-7.2	90	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 11:08:35 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2558-CC2556
Lab FileID: O65207.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65207.D Vial: 32
Acq On : 14 Sep 2021 2:18 am Operator: charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	86	0.00	10.78
2		Vinyl Chloride	0.823	0.896	-8.9	90	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	9.712	2.9	84	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.095	-4.4	88	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.317	-3.2	83	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.095	-4.4	88	0.00	5.45
7		1,1-Dichloroethane	1.171	1.242	-6.1	91	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.537	-2.9	87	0.00	5.45
9		Chloroform	1.150	1.209	-5.1	92	0.00	9.45
10		Carbon Tetrachloride	0.712	0.727	-2.1	85	0.00	9.65
11		1,1,1-Trichloroethane	0.912	0.960	-5.3	88	0.00	9.75
12		Benzene	2.131	2.211	-3.8	90	0.00	10.26
13	S	1,2-Dichloroethane-d4	0.423	0.431	-1.9	88	0.00	10.44
14		1,2-Dichloroethane	1.097	1.168	-6.5	93	0.00	10.52
15		Trichloroethene	0.655	0.688	-5.0	89	0.00	10.97
16		1,2-Dichloropropane	0.659	0.700	-6.2	92	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.754	0.7	82	0.00	12.76
18	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	13.65
19	S	Toluene-d8	1.168	1.117	4.4	84	0.00	12.36
20		trans-1,3-Dichloropropene	1.076	1.056	1.9	82	0.00	12.76
21		Tetrachloroethene	0.802	0.817	-1.9	88	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 11:44:56 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2558-ECC2556
Lab FileID: O65226.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65226.D Vial: 51
Acq On : 14 Sep 2021 9:36 am Operator: charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	74	0.00	10.78
2		Vinyl Chloride	0.823	1.054	-28.1	90	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	11.565	-15.6	86	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	1.049	1.284	-22.4	88	0.00	5.45
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	12.093	-20.9	83	0.00	6.51
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	1.049	1.284	-22.4	88	0.00	5.45
7		1,1-Dichloroethane	1.171	1.433	-22.4	89	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.623	-19.3	86	0.00	5.45
9		Chloroform	1.150	1.377	-19.7	89	0.00	9.45
10		Carbon Tetrachloride	0.712	0.867	-21.8	87	0.00	9.66
11		1,1,1-Trichloroethane	0.912	1.118	-22.6	88	0.00	9.76
12		Benzene	2.131	2.524	-18.4	88	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.438	-3.5	77	0.00	10.44
14		1,2-Dichloroethane	1.097	1.313	-19.7	89	0.00	10.52
15		Trichloroethene	0.655	0.836	-27.6	92	0.00	10.97
16		1,2-Dichloropropane	0.659	0.796	-20.8	89	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.844	-11.2	78	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00	13.65
19	S	Toluene-d8	1.168	1.108	5.1	72	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.165	-8.3	78	0.00	12.77
21		Tetrachloroethene	0.802	0.938	-17.0	87	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 11:46:59 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2559-CC2556
Lab FileID: O65229.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-14\O65229.D Vial: 3
Acq On : 14 Sep 2021 1:01 pm Operator: CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	83	0.00	10.78
2		Vinyl Chloride	0.823	0.956	-16.2	92	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.760	-7.6	89	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.168	-11.3	90	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.489	-4.9	81	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.168	-11.3	90	0.00	5.45
7		1,1-Dichloroethane	1.171	1.298	-10.8	91	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.570	-9.2	89	0.00	5.45
9		Chloroform	1.150	1.252	-8.9	91	0.00	9.45
10		Carbon Tetrachloride	0.712	0.795	-11.7	89	0.00	9.65
11		1,1,1-Trichloroethane	0.912	1.018	-11.6	90	0.00	9.75
12		Benzene	2.131	2.317	-8.7	90	0.00	10.26
13	S	1,2-Dichloroethane-d4	0.423	0.433	-2.4	85	0.00	10.44
14		1,2-Dichloroethane	1.097	1.197	-9.1	92	0.00	10.52
15		Trichloroethene	0.655	0.709	-8.2	88	0.00	10.97
16		1,2-Dichloropropane	0.659	0.728	-10.5	91	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.829	-9.2	87	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00	13.65
19	S	Toluene-d8	1.168	1.118	4.3	81	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.161	-7.9	87	0.00	12.77
21		Tetrachloroethene	0.802	0.869	-8.4	90	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 14:23:25 2021

Continuing Calibration Summary

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2559-ECC2556
Lab FileID: O65254.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-14\O65254.D Vial: 28
Acq On : 14 Sep 2021 10:38 pm Operator: CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	81	0.00	10.78
2		Vinyl Chloride	0.823	0.971	-18.0	91	0.00	3.50
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.525	-5.3	85	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.153	-9.9	86	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.421	-4.2	78	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.153	-9.9	86	0.00	5.45
7		1,1-Dichloroethane	1.171	1.297	-10.8	89	0.00	7.96
8		cis-1,2-Dichloroethene	0.522	0.557	-6.7	85	0.00	5.46
9		Chloroform	1.150	1.245	-8.3	88	0.00	9.46
10		Carbon Tetrachloride	0.712	0.773	-8.6	85	0.00	9.66
11		1,1,1-Trichloroethane	0.912	1.004	-10.1	86	0.00	9.76
12		Benzene	2.131	2.271	-6.6	86	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.440	-4.0	84	0.00	10.44
14		1,2-Dichloroethane	1.097	1.188	-8.3	88	0.00	10.53
15		Trichloroethene	0.655	0.710	-8.4	86	0.00	10.97
16		1,2-Dichloropropane	0.659	0.716	-8.6	87	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.789	-4.0	80	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00	13.65
19	S	Toluene-d8	1.168	1.100	5.8	78	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.093	-1.6	80	0.00	12.77
21		Tetrachloroethene	0.802	0.843	-5.1	85	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Wed Sep 15 09:08:42 2021

Run Sequence Report

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2556 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2556-BFB	O65163.D	09/13/21 09:16	n/a	BFB Tune
VO2556-IC2556	O65167.D	09/13/21 10:50	n/a	Initial cal 1
VO2556-IC2556	O65168.D	09/13/21 11:13	n/a	Initial cal 2
VO2556-IC2556	O65169.D	09/13/21 11:36	n/a	Initial cal 3
VO2556-IC2556	O65170.D	09/13/21 11:59	n/a	Initial cal 4
VO2556-ICC2556	O65171.D	09/13/21 12:22	n/a	Initial cal 5
VO2556-IC2556	O65172.D	09/13/21 12:45	n/a	Initial cal 6
VO2556-IC2556	O65173.D	09/13/21 13:08	n/a	Initial cal 7
VO2556-ICV2556	O65175.D	09/13/21 13:54	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2557 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2557-BFB	O65177.D	09/13/21 14:41	n/a	BFB Tune
VO2557-CC2556	O65178.D	09/13/21 15:04	n/a	Continuing cal 5
VO2557-BS	O65179.D	09/13/21 15:28	n/a	Blank Spike
VO2557-MB	O65180.D	09/13/21 15:51	n/a	Method Blank
FA88736-1	O65182.D	09/13/21 16:38	n/a	2135X0BW191A
FA88736-41	O65183.D	09/13/21 17:01	n/a	2135X0BW217A
FA88736-2	O65184.D	09/13/21 17:24	n/a	2135X0BW192F
FA88736-3	O65185.D	09/13/21 17:48	n/a	2135X0BW193F
FA88736-4	O65186.D	09/13/21 18:11	n/a	2135X0BW194F
FA88736-5	O65187.D	09/13/21 18:34	n/a	2135X00B195F
FA88736-6	O65188.D	09/13/21 18:58	n/a	2135X0BW196F
FA88736-7	O65189.D	09/13/21 19:20	n/a	2135X0BW197F
FA88736-8	O65190.D	09/13/21 19:44	n/a	2135X0BW199F
FA88736-9	O65191.D	09/13/21 20:06	n/a	2135X0BW200D
FA88736-10	O65192.D	09/13/21 20:29	n/a	2135X0BW201F
FA88736-11	O65193.D	09/13/21 20:52	n/a	2135X0BW202F
FA88736-12	O65194.D	09/13/21 21:15	n/a	2135X0BW203F
FA88736-13	O65195.D	09/13/21 21:39	n/a	2135X0BW204F
FA88736-14	O65196.D	09/13/21 22:02	n/a	2135X0BW206F
FA88736-15	O65197.D	09/13/21 22:25	n/a	2135X0BW207F
FA88736-16	O65198.D	09/13/21 22:49	n/a	2135X0BW208F
FA88736-17	O65199.D	09/13/21 23:12	n/a	2135X0BW209F
FA88736-18	O65200.D	09/13/21 23:35	n/a	2135X0BW210D
FA88736-19	O65201.D	09/13/21 23:58	n/a	2135X0BW211F
FA88736-4MS	O65202.D	09/14/21 00:22	n/a	Matrix Spike
FA88736-4MSD	O65203.D	09/14/21 00:45	n/a	Matrix Spike Duplicate
VO2557-ECC2556	O65204.D	09/14/21 01:08	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2558 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2558-BFB	O65206.D	09/14/21 01:54	n/a	BFB Tune
VO2558-CC2556	O65207.D	09/14/21 02:18	n/a	Continuing cal 5
VO2558-BS	O65208.D	09/14/21 02:40	n/a	Blank Spike
VO2558-MB	O65209.D	09/14/21 03:03	n/a	Method Blank
FA88736-20	O65211.D	09/14/21 03:50	n/a	2135X0BW214F
FA88736-21	O65212.D	09/14/21 04:14	n/a	2135X0BW215F
FA88736-22	O65213.D	09/14/21 04:37	n/a	2135X0BW216F
FA88736-23	O65214.D	09/14/21 05:00	n/a	2135X0BW220F
FA88736-24	O65215.D	09/14/21 05:23	n/a	2135X0BW221F
FA88736-25	O65216.D	09/14/21 05:46	n/a	2135X0BW223F
FA88736-26	O65217.D	09/14/21 06:09	n/a	2135X0BW224F
FA88736-27	O65218.D	09/14/21 06:32	n/a	2135X0BW225F
FA88736-28	O65219.D	09/14/21 06:55	n/a	2135X0BW226F
FA88736-29	O65220.D	09/14/21 07:18	n/a	2135X0BW227F
FA88736-30	O65221.D	09/14/21 07:41	n/a	2135X0BW228F
FA88736-31	O65222.D	09/14/21 08:04	n/a	2135X0BW229F
FA88736-32	O65223.D	09/14/21 08:27	n/a	2135X0BW230F
FA88736-21MS	O65224.D	09/14/21 08:50	n/a	Matrix Spike
FA88736-21MSD	O65225.D	09/14/21 09:14	n/a	Matrix Spike Duplicate
VO2558-ECC2556	O65226.D	09/14/21 09:36	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88736
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2559 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2559-BFB	O65228.D	09/14/21 12:38	n/a	BFB Tune
VO2559-CC2556	O65229.D	09/14/21 13:01	n/a	Continuing cal 5
VO2559-MB	O65231.D	09/14/21 13:47	n/a	Method Blank
ZZZZZZ	O65233.D	09/14/21 14:35	n/a	(unrelated sample)
ZZZZZZ	O65234.D	09/14/21 14:58	n/a	(unrelated sample)
ZZZZZZ	O65235.D	09/14/21 15:21	n/a	(unrelated sample)
FA88736-33	O65236.D	09/14/21 15:44	n/a	2135X0BW231F
FA88736-34	O65237.D	09/14/21 16:07	n/a	2135X0BW232F
FA88736-35	O65238.D	09/14/21 16:30	n/a	2135X0BW222F
FA88736-36	O65239.D	09/14/21 16:53	n/a	2135X0BW233F
FA88736-37	O65240.D	09/14/21 17:15	n/a	2135X0BW234D
FA88736-38	O65241.D	09/14/21 17:38	n/a	2135XOU2236F
FA88736-39	O65242.D	09/14/21 18:01	n/a	2135XOU2237D
FA88736-40	O65243.D	09/14/21 18:24	n/a	2135W0BW239F
ZZZZZZ	O65244.D	09/14/21 18:47	n/a	(unrelated sample)
ZZZZZZ	O65245.D	09/14/21 19:11	n/a	(unrelated sample)
ZZZZZZ	O65246.D	09/14/21 19:34	n/a	(unrelated sample)
ZZZZZZ	O65247.D	09/14/21 19:57	n/a	(unrelated sample)
ZZZZZZ	O65248.D	09/14/21 20:20	n/a	(unrelated sample)
ZZZZZZ	O65249.D	09/14/21 20:44	n/a	(unrelated sample)
ZZZZZZ	O65250.D	09/14/21 21:07	n/a	(unrelated sample)
VO2559-BS	O65251.D	09/14/21 21:30	n/a	Blank Spike
FA88736-33MS	O65252.D	09/14/21 21:53	n/a	Matrix Spike
FA88736-33MSD	O65253.D	09/14/21 22:15	n/a	Matrix Spike Duplicate
VO2559-ECC2556	O65254.D	09/14/21 22:38	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65182.D
Acq On : 13 Sep 2021 4:38 pm
Operator : charleng
Sample : FA88736-1 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 10:54:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

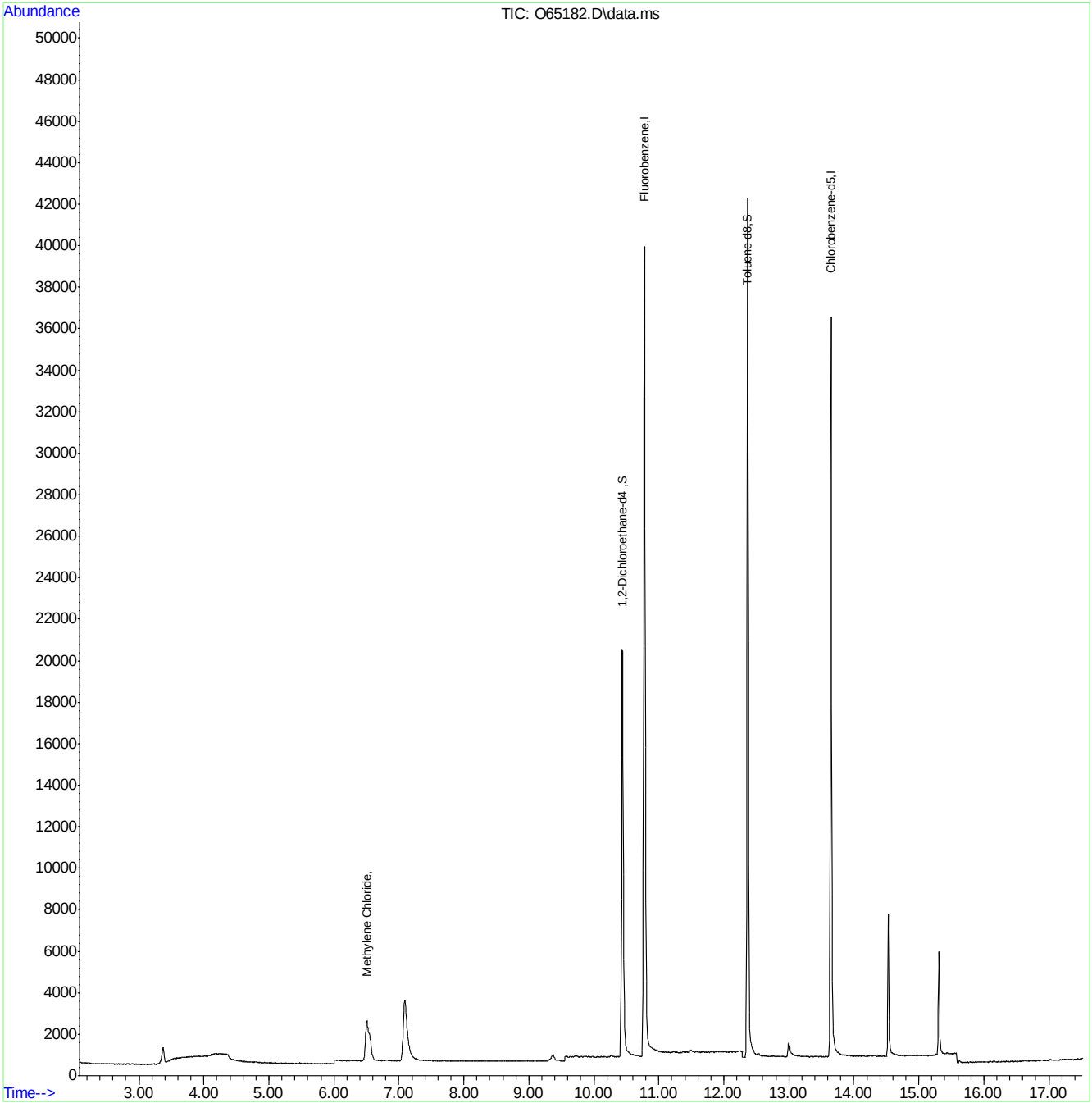
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45129	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31415	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	19129	5.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.20%			
19) Toluene-d8	12.367	98	36491	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3487	0.28	ug/L	93

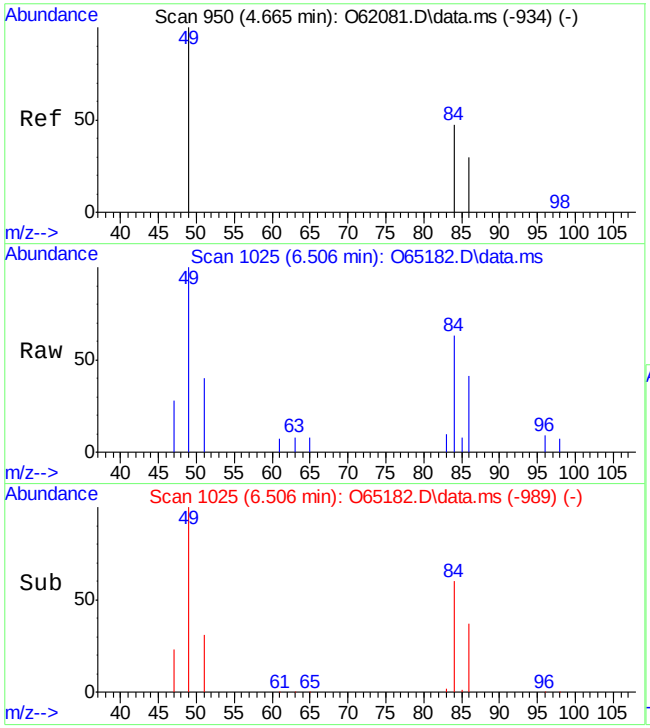
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65182.D
Acq On : 13 Sep 2021 4:38 pm
Operator : charleng
Sample : FA88736-1 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 10:54:43 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

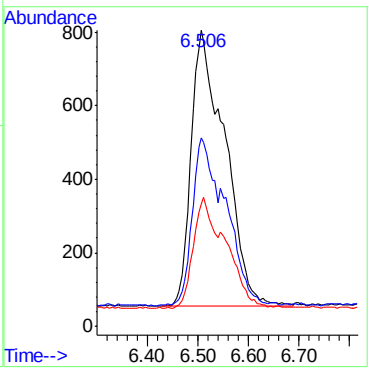




#5
Methylene Chloride
Concen: 0.28 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65182.D
Acq: 13 Sep 2021 4:38 pm

Tgt Ion: 49 Resp: 3487

Ion	Ratio	Lower	Upper
49	100		
84	60.4	35.5	95.5
86	37.9	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:55:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

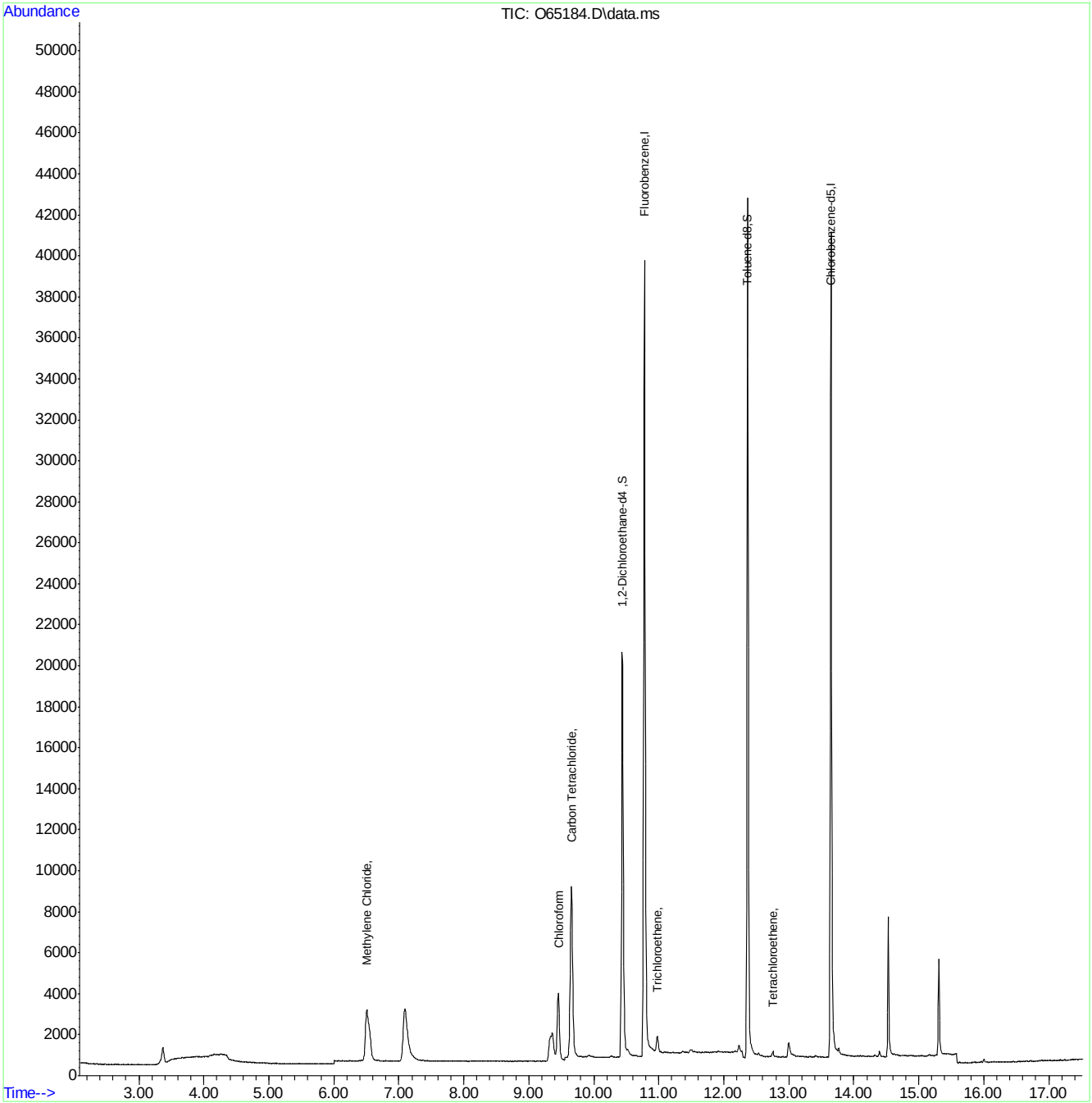
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	44949	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31633	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19126	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	12.367	98	36712	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4421	0.35	ug/L	90
9) Chloroform	9.456	83	3732m	0.36	ug/L	
10) Carbon Tetrachloride	9.657	117	7928m	1.24	ug/L	
15) Trichloroethene	10.980	95	417	0.07	ug/L	89
21) Tetrachloroethene	12.758	166	112	0.02	ug/L	85

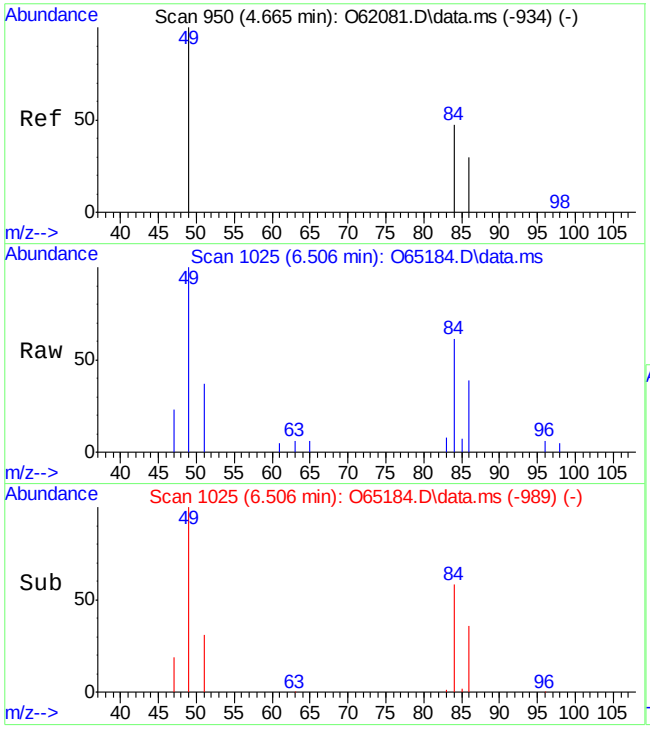
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:55:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

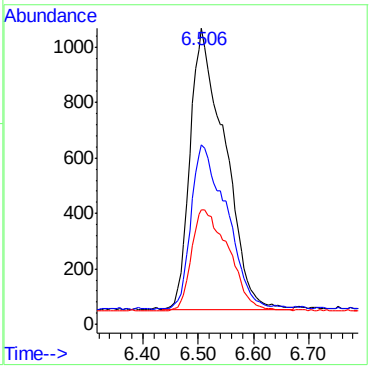


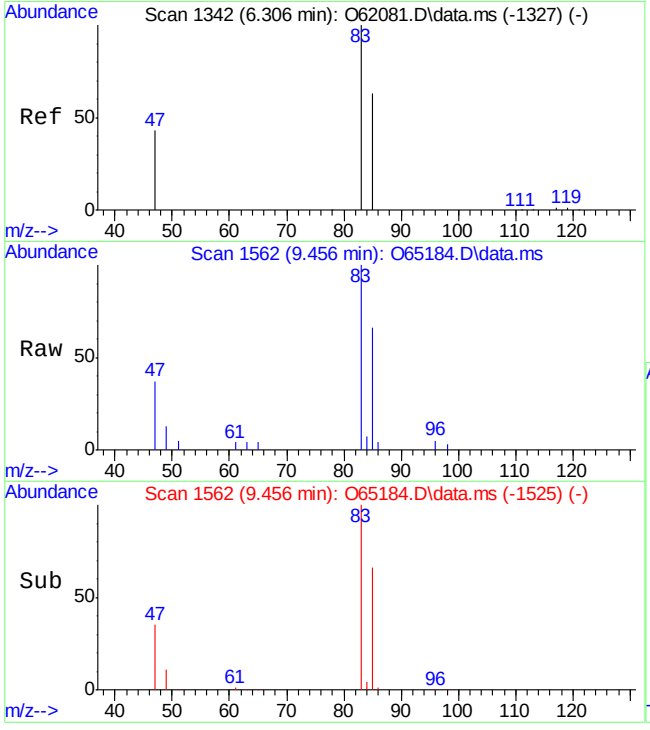


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65184.D
Acq: 13 Sep 2021 5:24 pm

Tgt Ion: 49 Resp: 4421

Ion	Ratio	Lower	Upper
49	100		
84	58.3	35.5	95.5
86	36.0	12.8	72.8

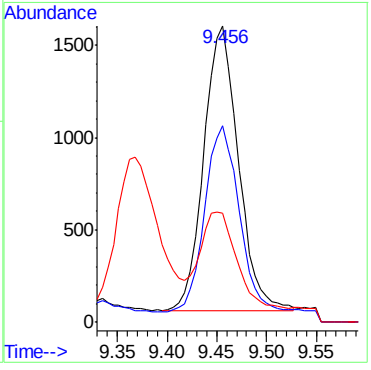


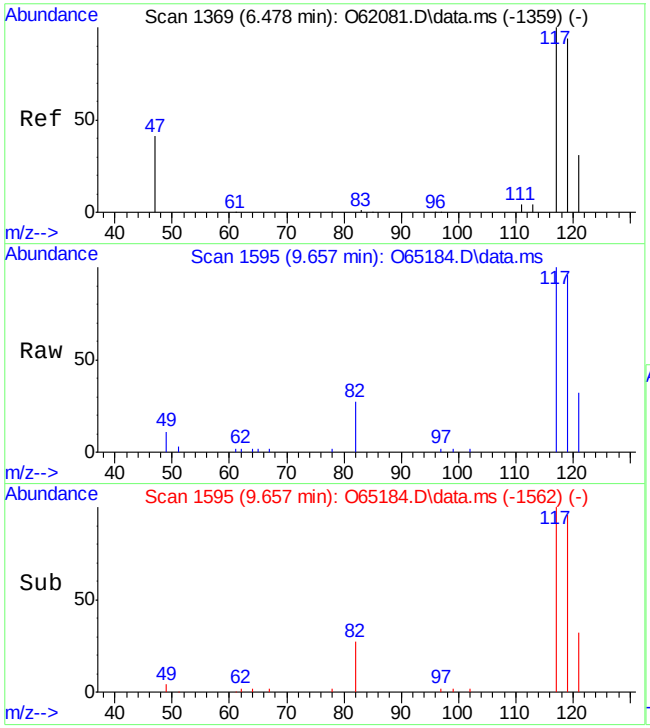


#9
Chloroform
Concen: 0.36 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65184.D
Acq: 13 Sep 2021 5:24 pm

Tgt Ion: 83 Resp: 3732

Ion	Ratio	Lower	Upper
83	100		
85	66.4	33.7	93.7
47	36.9	5.1	65.1

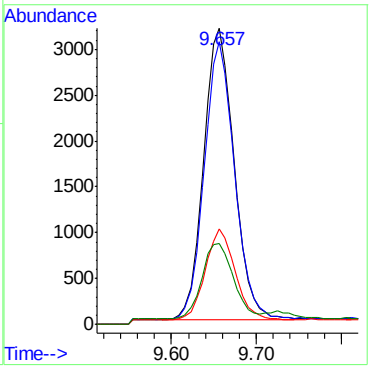


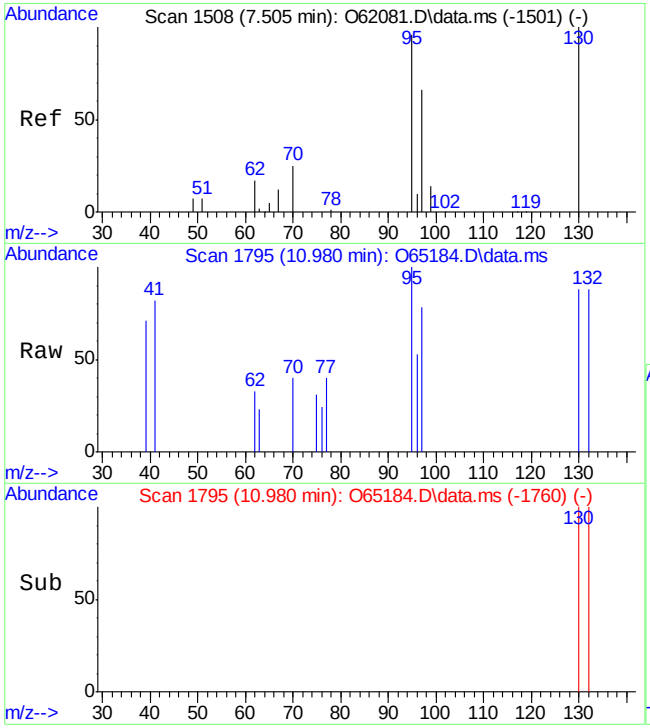


#10
Carbon Tetrachloride
Concen: 1.24 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65184.D
Acq: 13 Sep 2021 5:24 pm

Tgt Ion:117 Resp: 7928

Ion	Ratio	Lower	Upper
117	100		
119	95.6	68.2	128.2
121	32.3	1.1	61.1
82	27.4	0.0	54.2

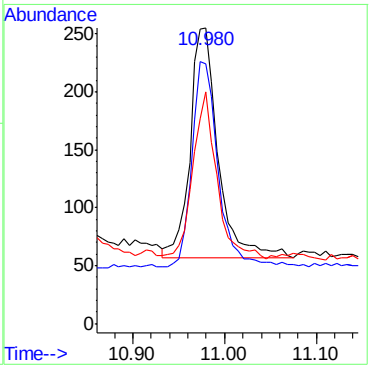


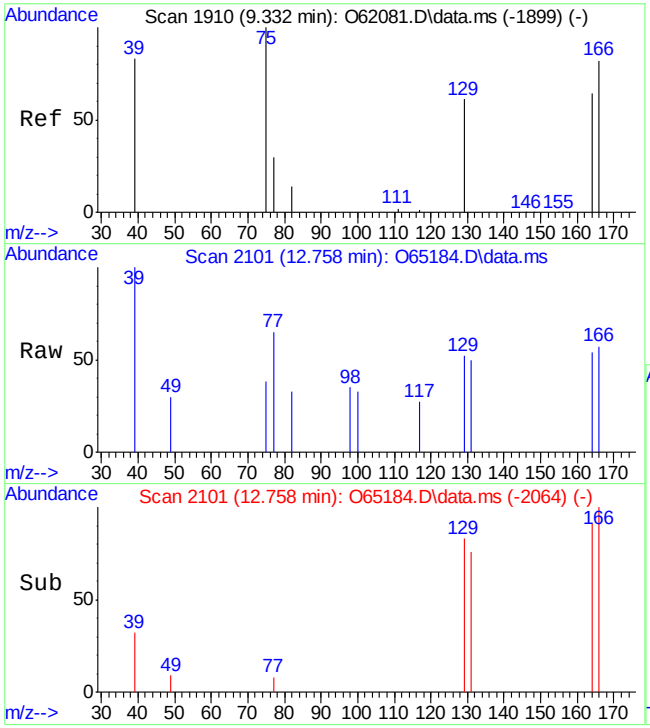


#15
Trichloroethene
Concen: 0.07 ug/L
RT: 10.980 min Scan# 1795
Delta R.T. 0.006 min
Lab File: O65184.D
Acq: 13 Sep 2021 5:24 pm

Tgt Ion: 95 Resp: 417

Ion	Ratio	Lower	Upper
95	100		
130	88.4	69.9	129.9
97	71.2	34.0	94.0

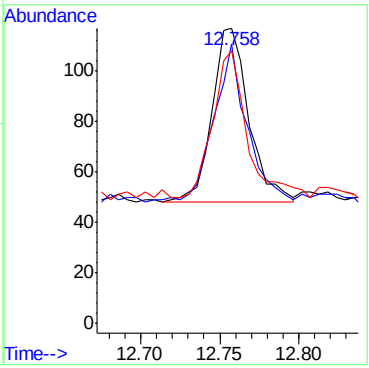




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65184.D
Acq: 13 Sep 2021 5:24 pm

Tgt Ion:166 Resp: 112

Ion	Ratio	Lower	Upper
166	100		
164	89.9	48.0	108.0
129	79.7	36.6	96.6



Manual Integration Approval Summary

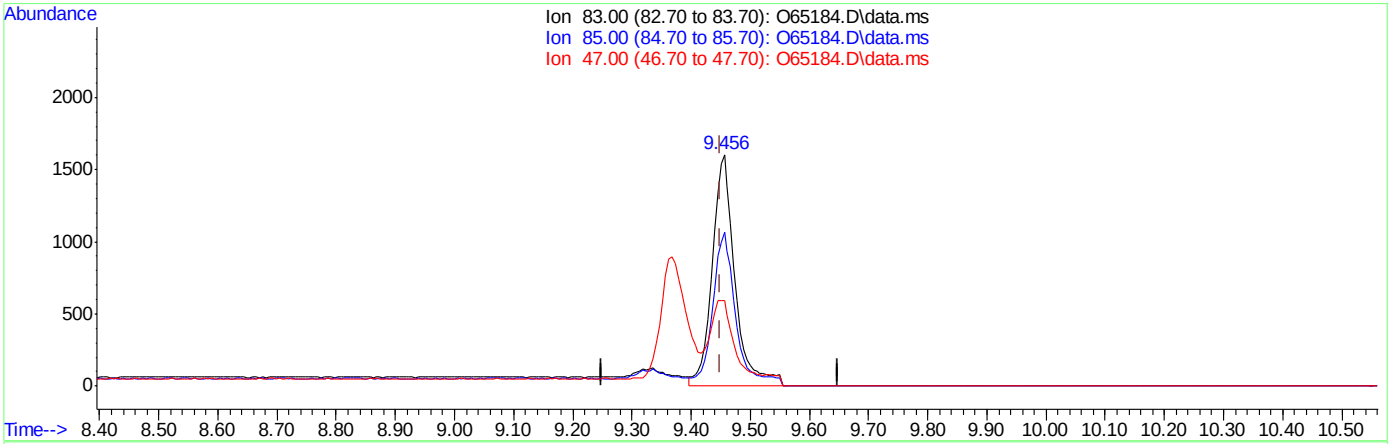
Sample Number: FA88736-2
Lab FileID: O65184.D
Injection Time: 09/13/21 17:24
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

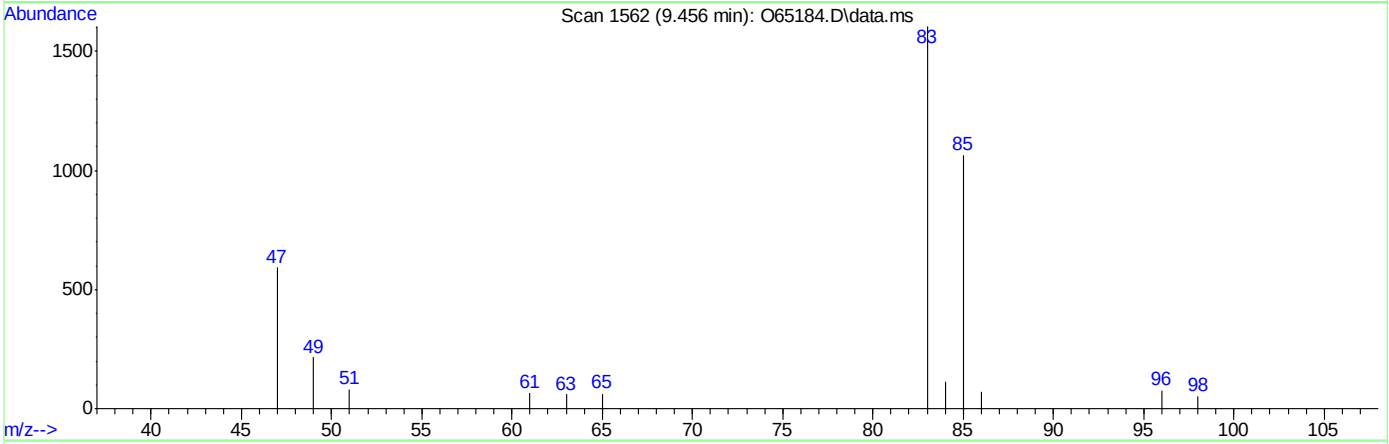
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:51:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65184.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.42ug/L

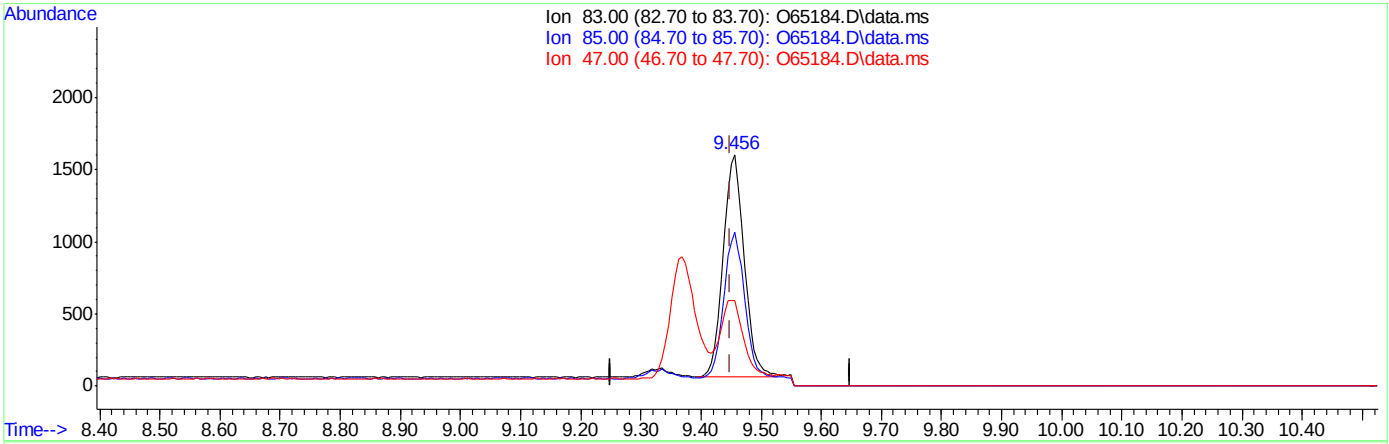
response 4350

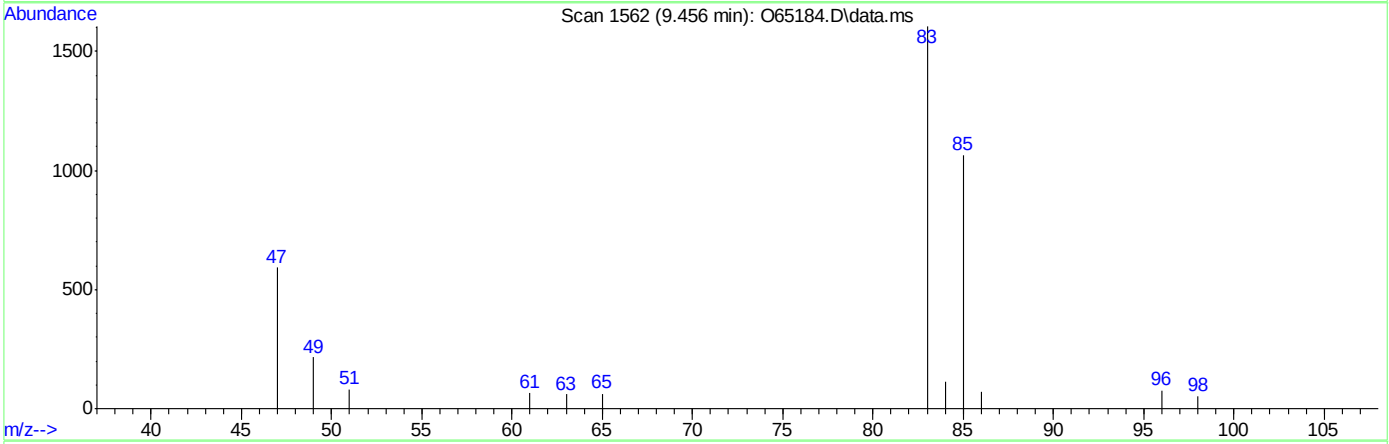
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.36
47.00	35.10	36.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:51:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65184.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.36ug/L m

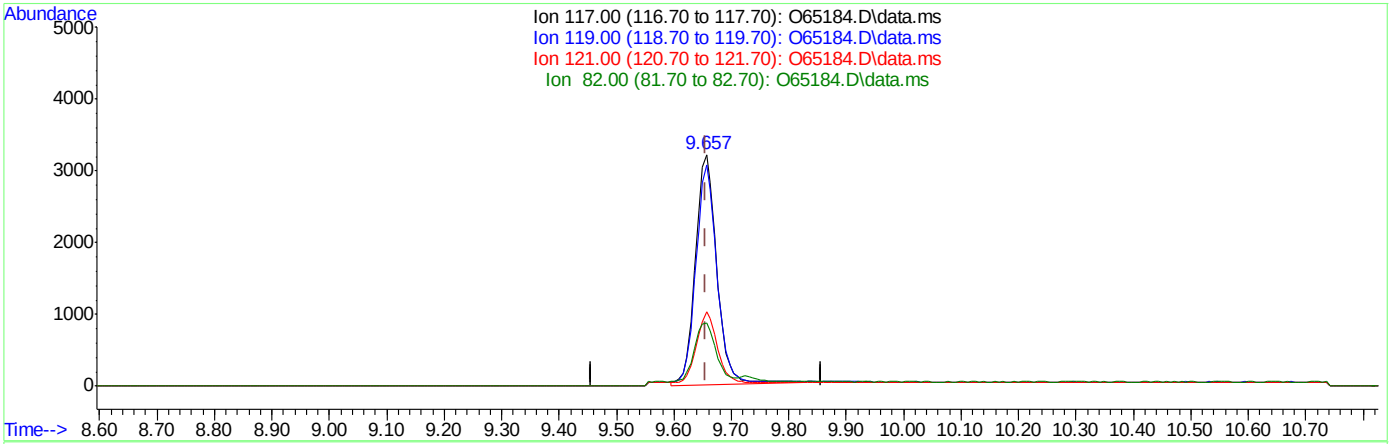
response 3732

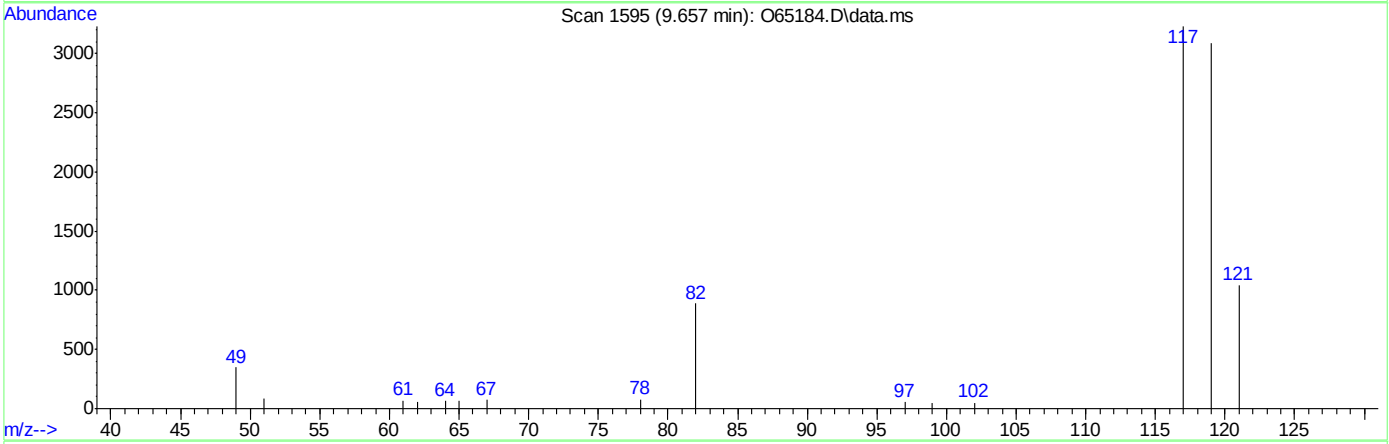
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.36
47.00	35.10	36.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:51:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65184.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 1.29ug/L

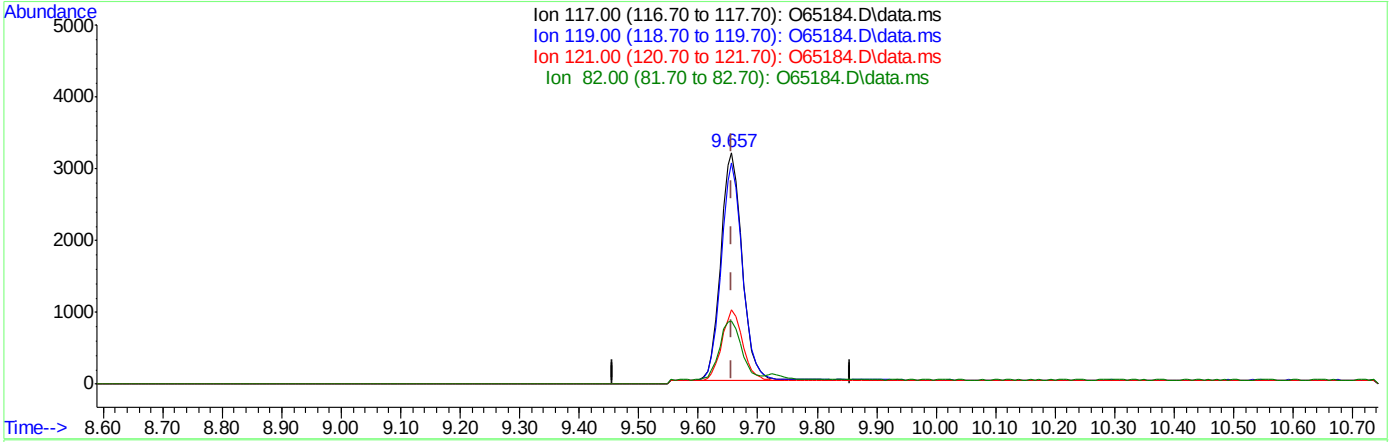
response 8249

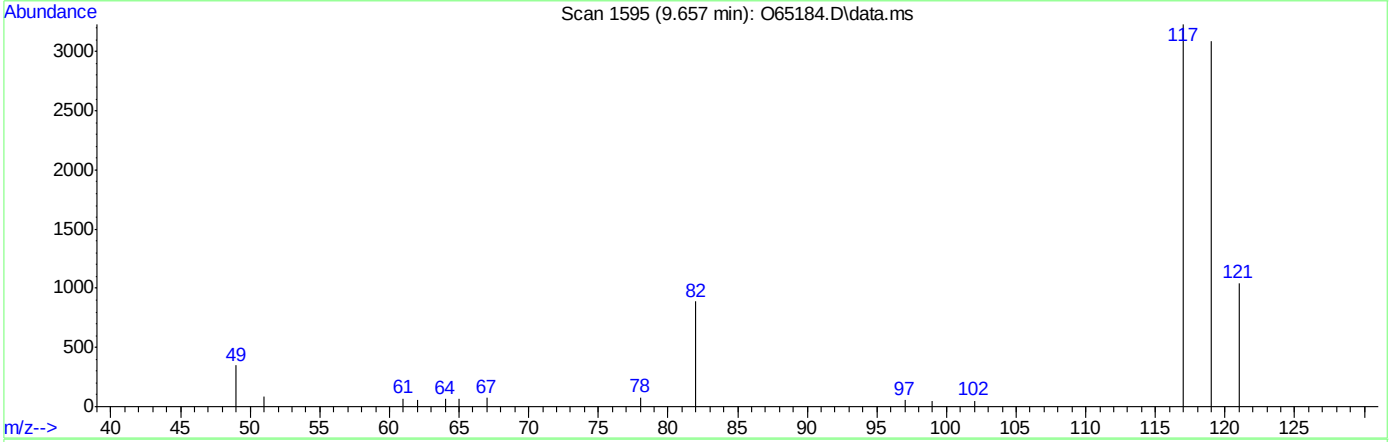
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.37
121.00	31.10	31.29
82.00	24.20	25.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65184.D
Acq On : 13 Sep 2021 5:24 pm
Operator : charleng
Sample : FA88736-2 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 10:51:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65184.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 1.24ug/L m

response 7928

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.57
121.00	31.10	32.32
82.00	24.20	27.43

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:55:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

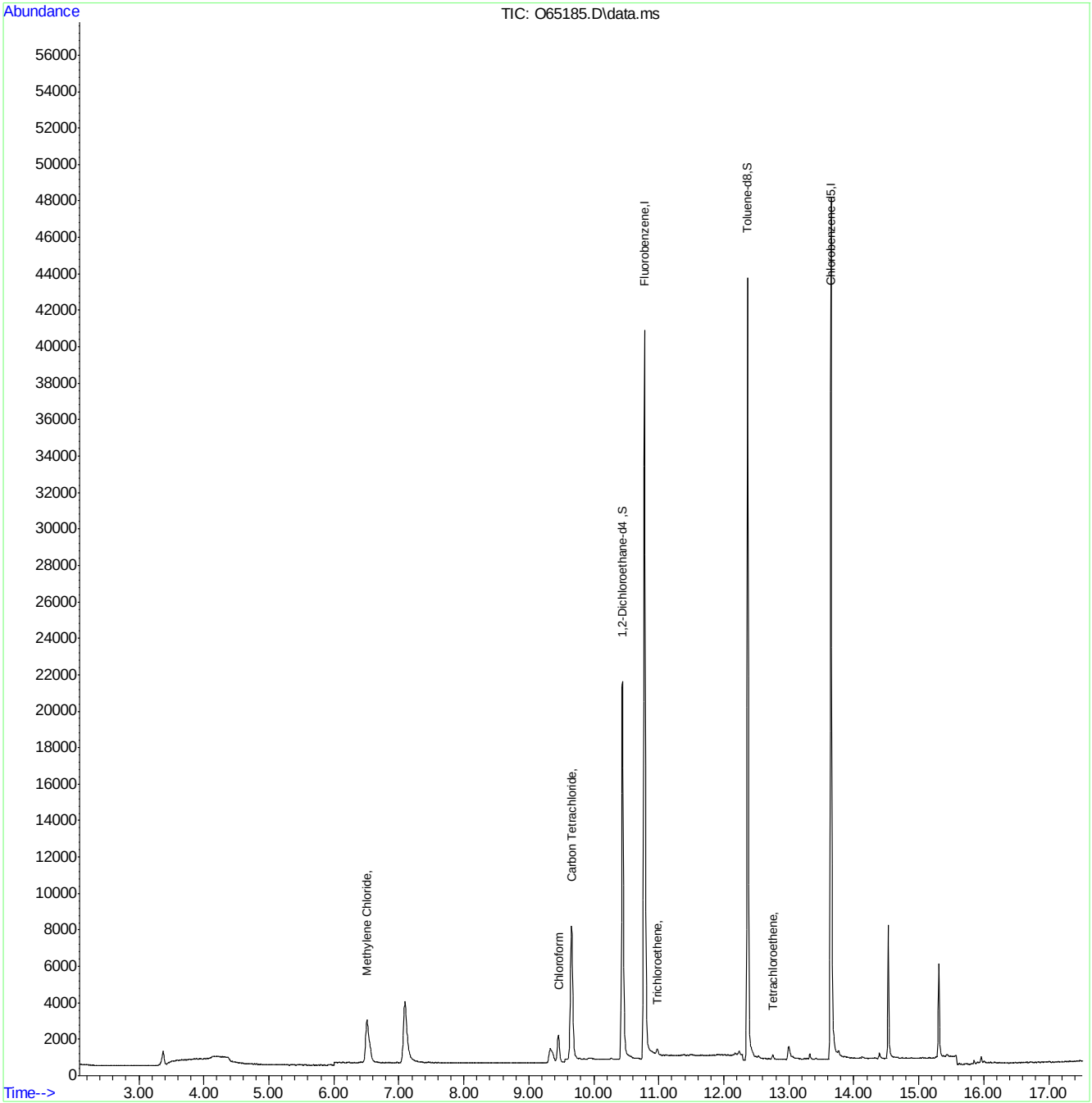
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47059	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32932	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	20012	5.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.40%			
19) Toluene-d8	12.367	98	37621	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3671	0.28	ug/L	88
9) Chloroform	9.456	83	1728m	0.16	ug/L	
10) Carbon Tetrachloride	9.656	117	6886m	1.03	ug/L	
15) Trichloroethene	10.974	95	177	0.03	ug/L	78
21) Tetrachloroethene	12.758	166	107	0.02	ug/L	87

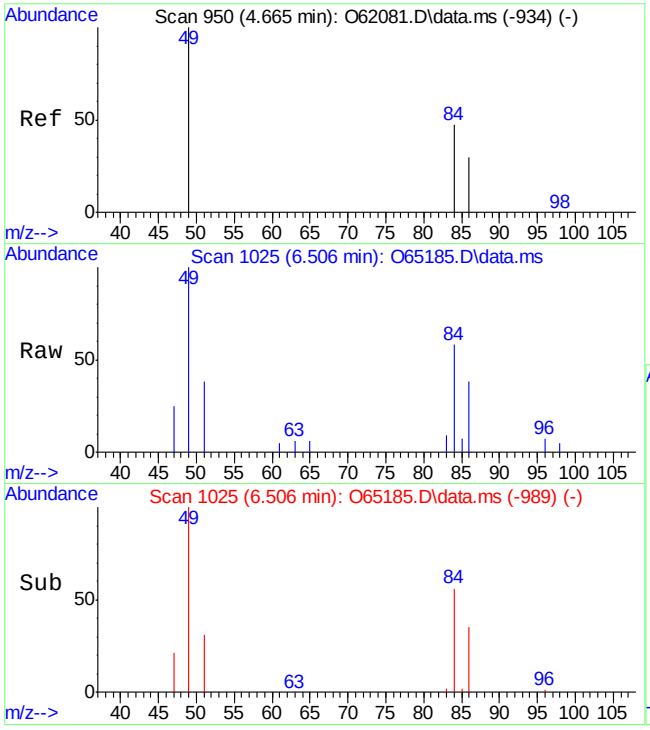
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:55:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

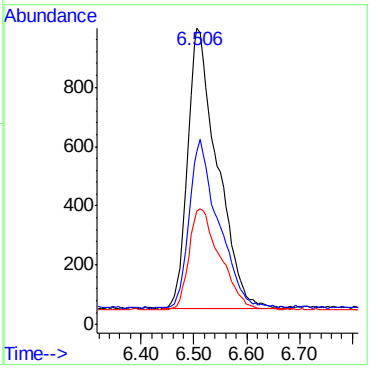


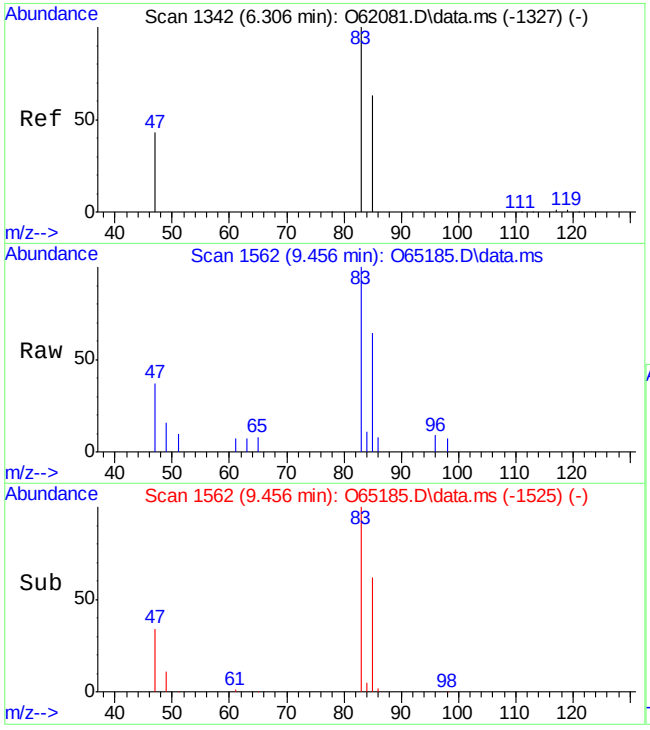


#5
Methylene Chloride
Concen: 0.28 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65185.D
Acq: 13 Sep 2021 5:48 pm

Tgt Ion: 49 Resp: 3671

Ion	Ratio	Lower	Upper
49	100		
84	55.9	35.5	95.5
86	35.3	12.8	72.8

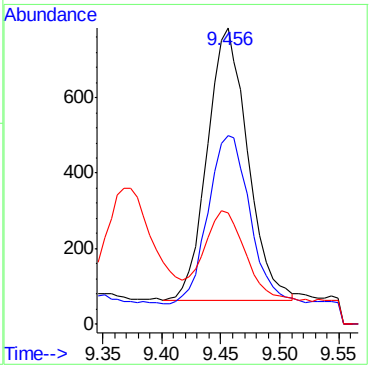


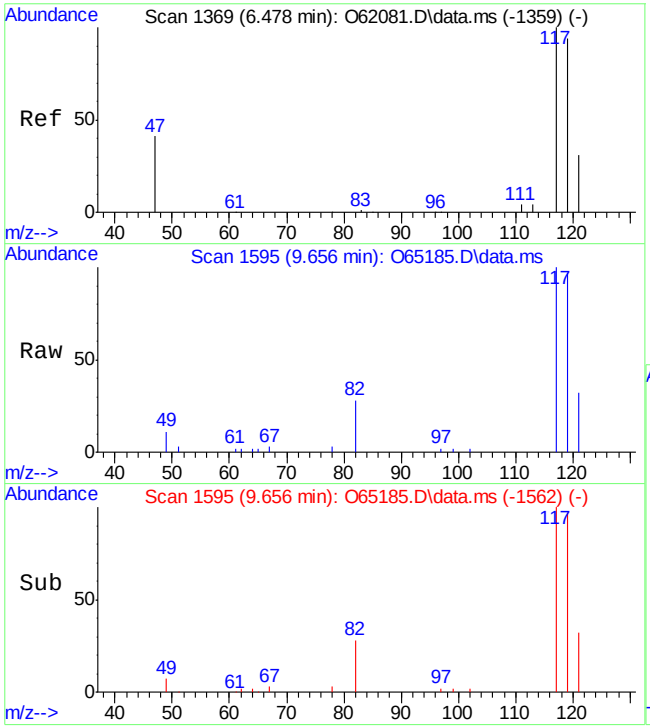


#9
Chloroform
Concen: 0.16 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65185.D
Acq: 13 Sep 2021 5:48 pm

Tgt Ion: 83 Resp: 1728

Ion	Ratio	Lower	Upper
83	100		
85	63.7	33.7	93.7
47	37.5	5.1	65.1

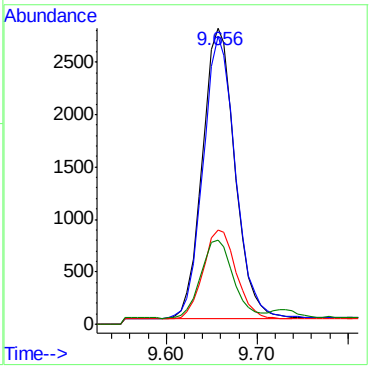


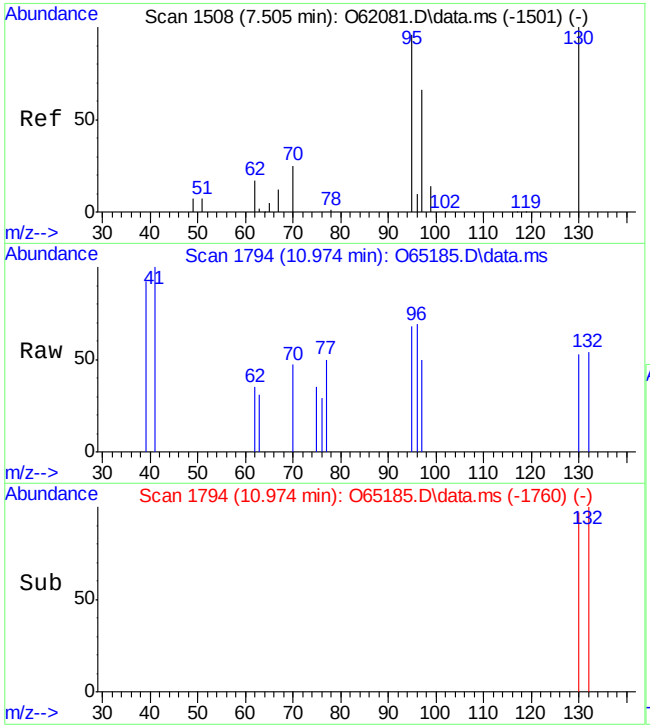


#10
Carbon Tetrachloride
Concen: 1.03 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65185.D
Acq: 13 Sep 2021 5:48 pm

Tgt Ion:117 Resp: 6886

Ion	Ratio	Lower	Upper
117	100		
119	97.4	68.2	128.2
121	31.7	1.1	61.1
82	28.3	0.0	54.2

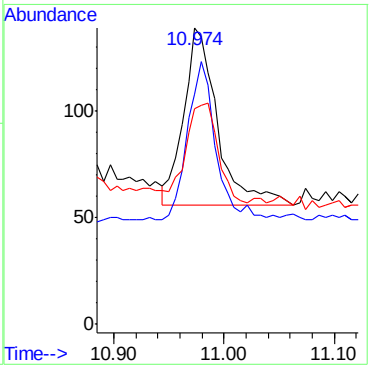


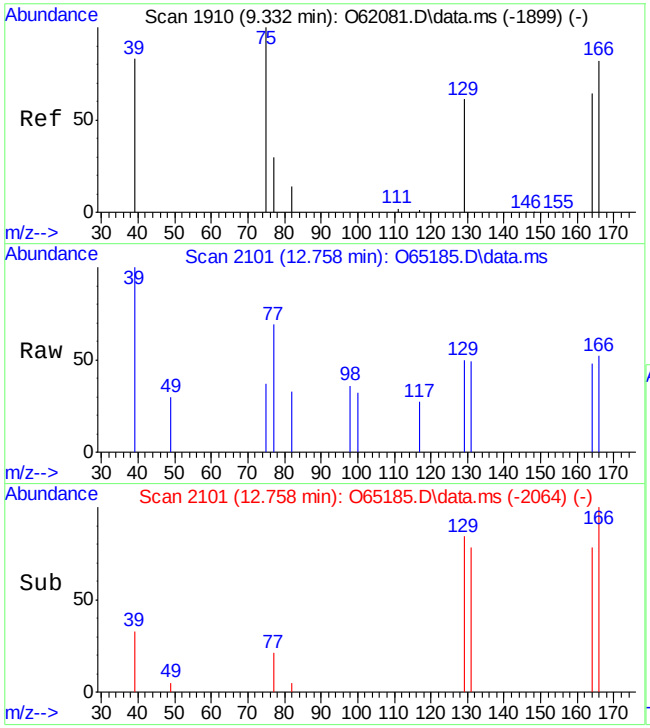


#15
Trichloroethene
Concen: 0.03 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65185.D
Acq: 13 Sep 2021 5:48 pm

Tgt Ion: 95 Resp: 177

Ion	Ratio	Lower	Upper
95	100		
130	71.1	69.9	129.9
97	54.2	34.0	94.0

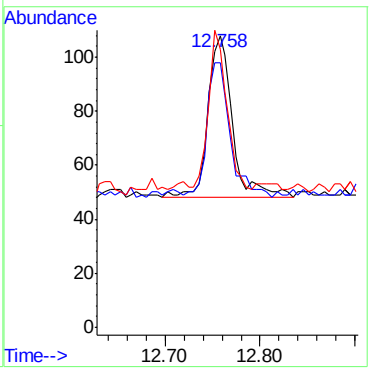




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65185.D
Acq: 13 Sep 2021 5:48 pm

Tgt Ion:166 Resp: 107

Ion	Ratio	Lower	Upper
166	100		
164	81.7	48.0	108.0
129	85.0	36.6	96.6



Manual Integration Approval Summary

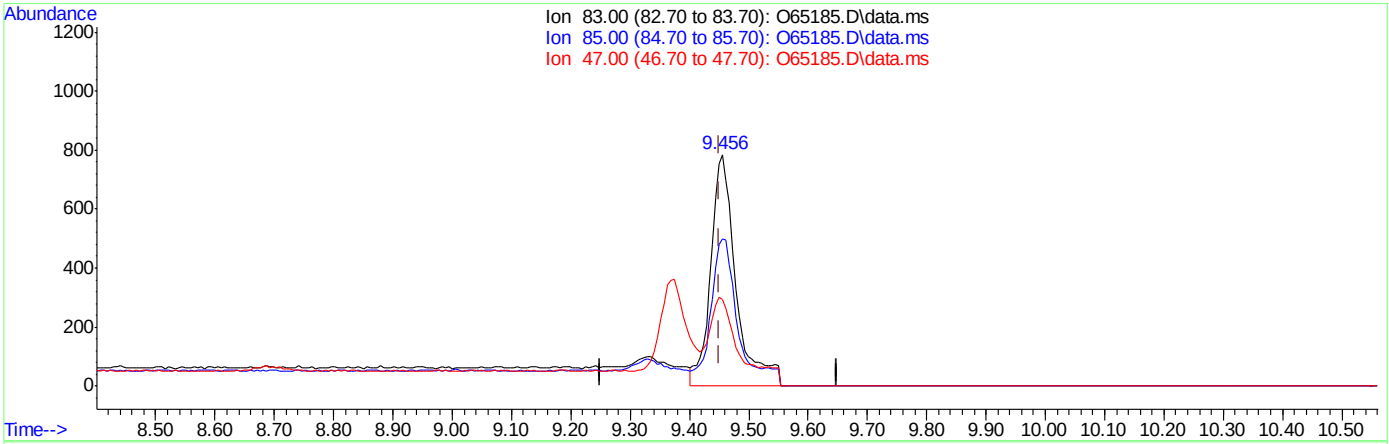
Sample Number: FA88736-3
Lab FileID: O65185.D
Injection Time: 09/13/21 17:48
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

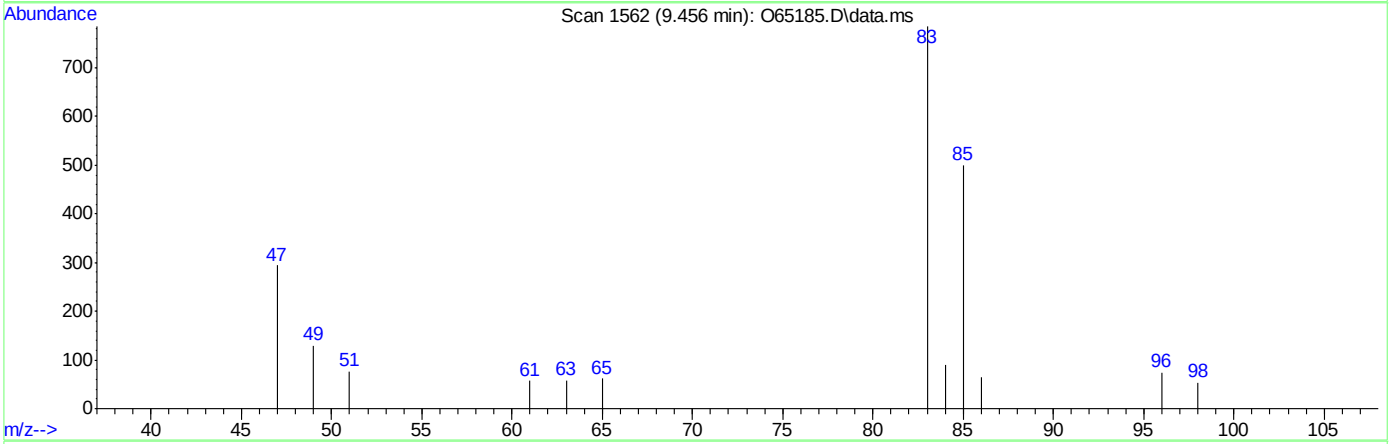
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:51:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65185.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.21ug/L

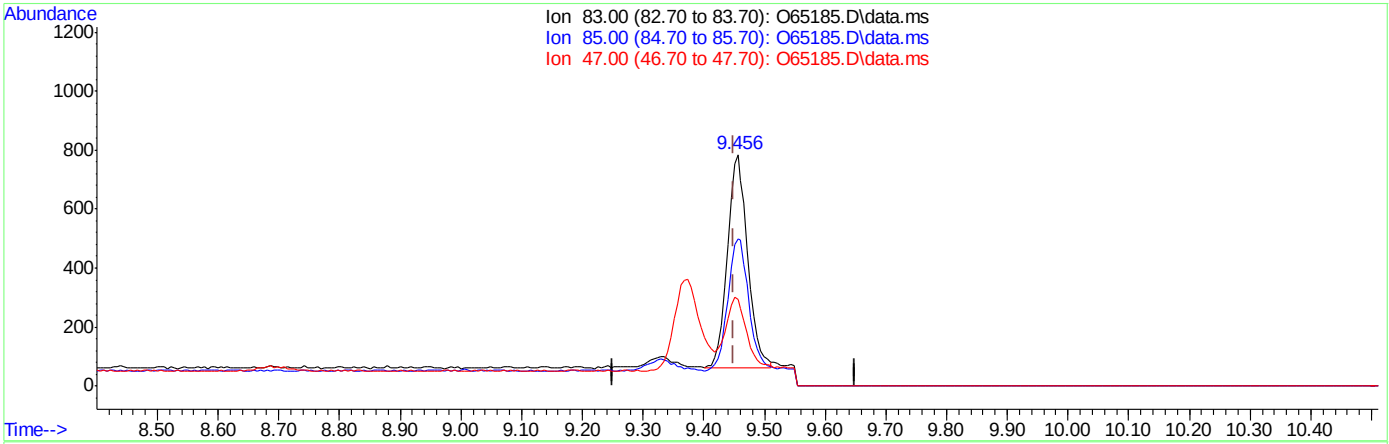
response 2316

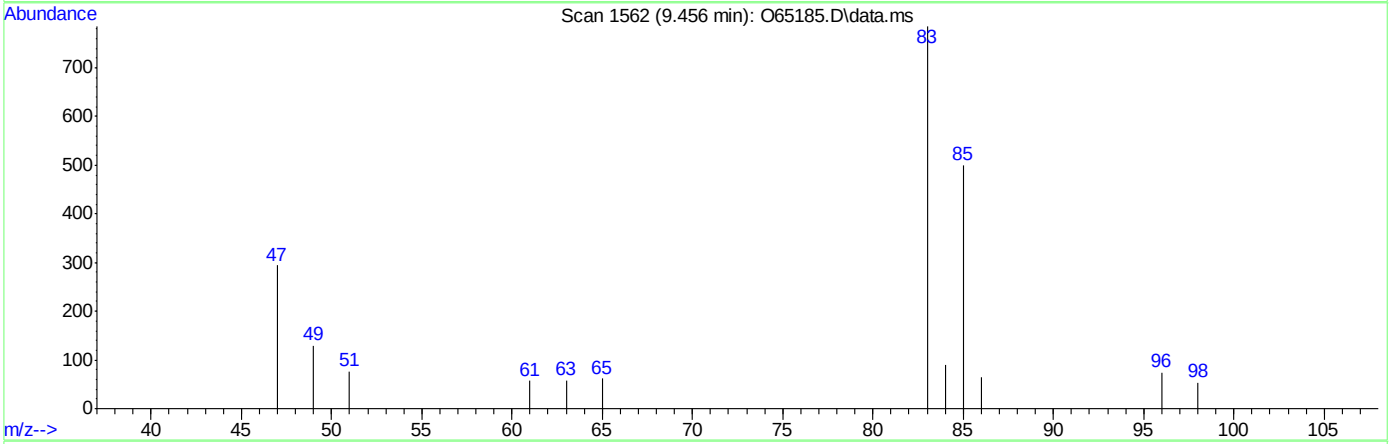
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.69
47.00	35.10	37.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:51:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65185.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.16ug/L m

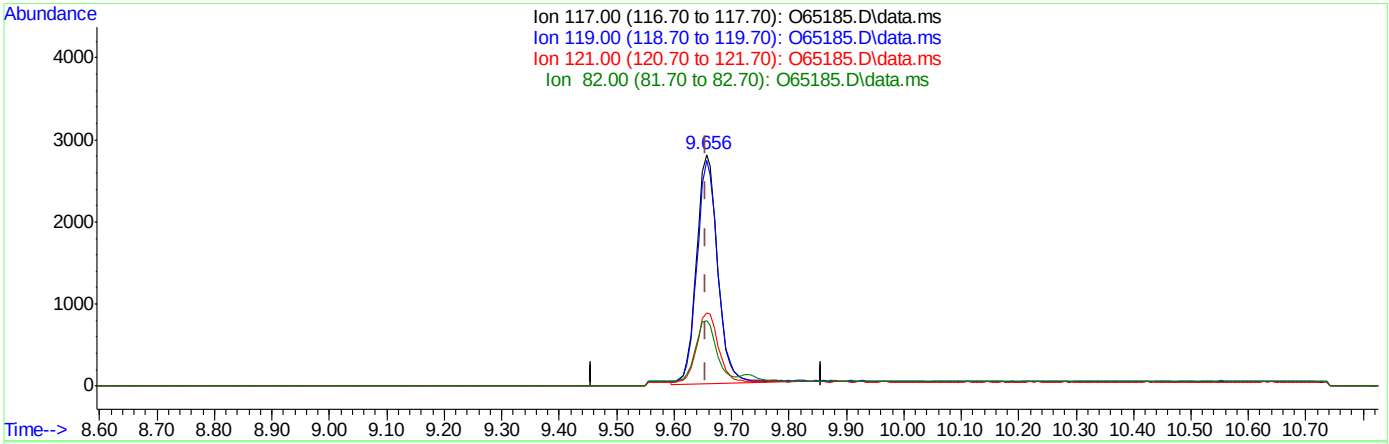
response 1728

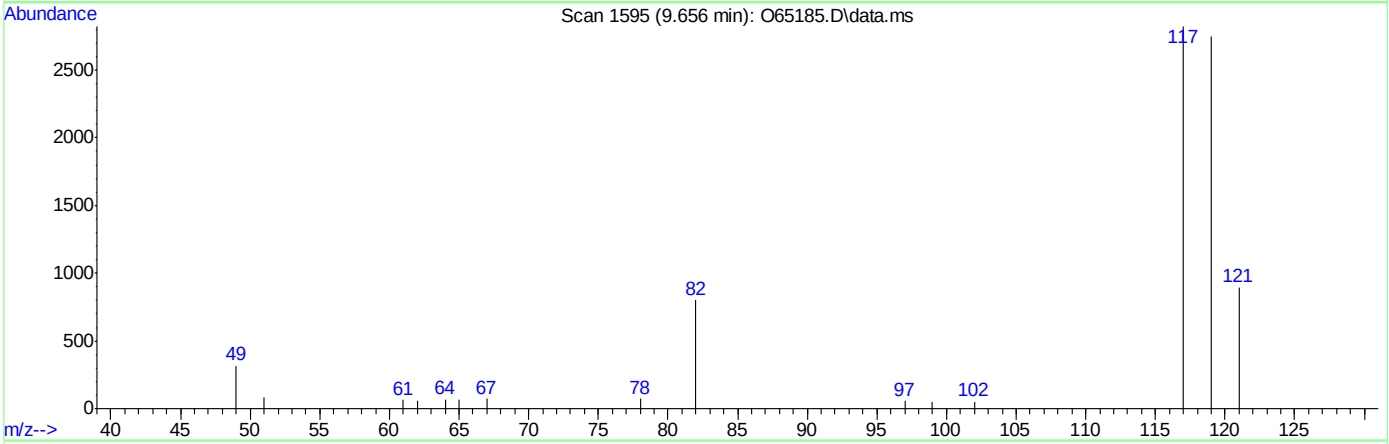
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.69
47.00	35.10	37.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:51:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65185.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 1.08ug/L

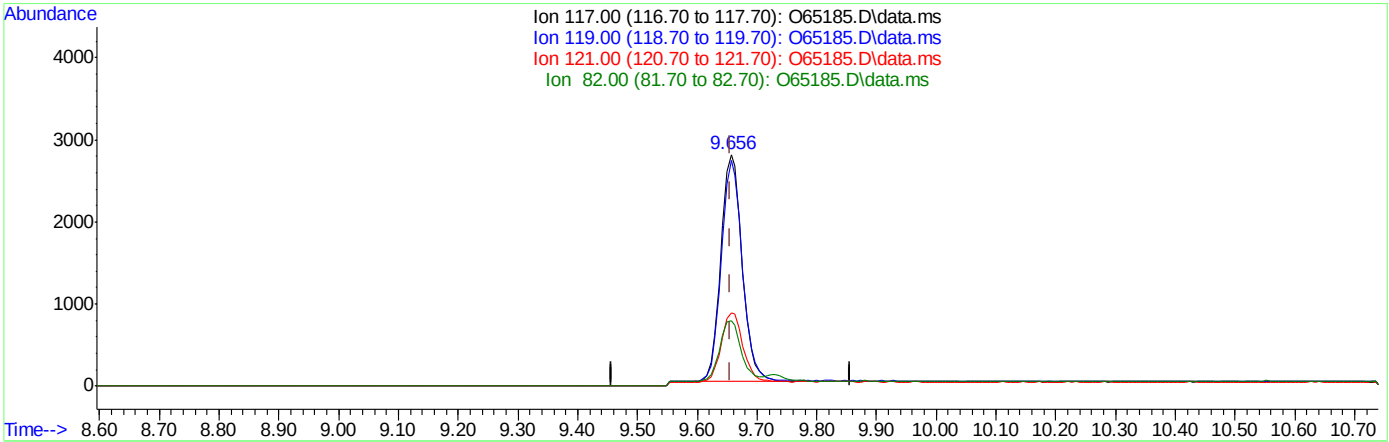
response 7213

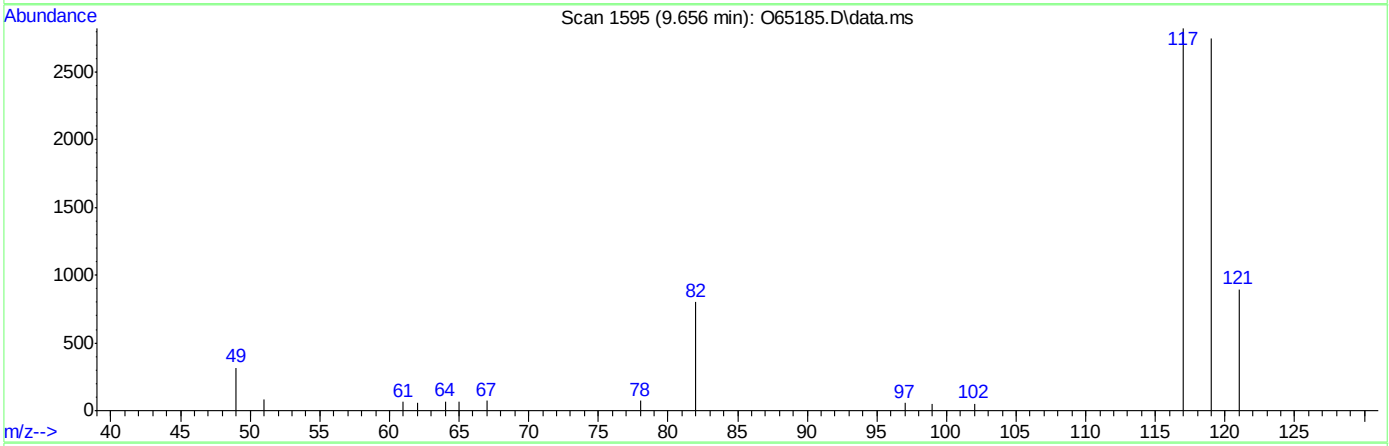
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.25
121.00	31.10	30.47
82.00	24.20	26.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65185.D
Acq On : 13 Sep 2021 5:48 pm
Operator : charleng
Sample : FA88736-3 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 10:51:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65185.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 1.03ug/L m

response 6886

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.38
121.00	31.10	31.72
82.00	24.20	28.31

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65186.D
Acq On : 13 Sep 2021 6:11 pm
Operator : charleng
Sample : FA88736-4 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 10:56:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

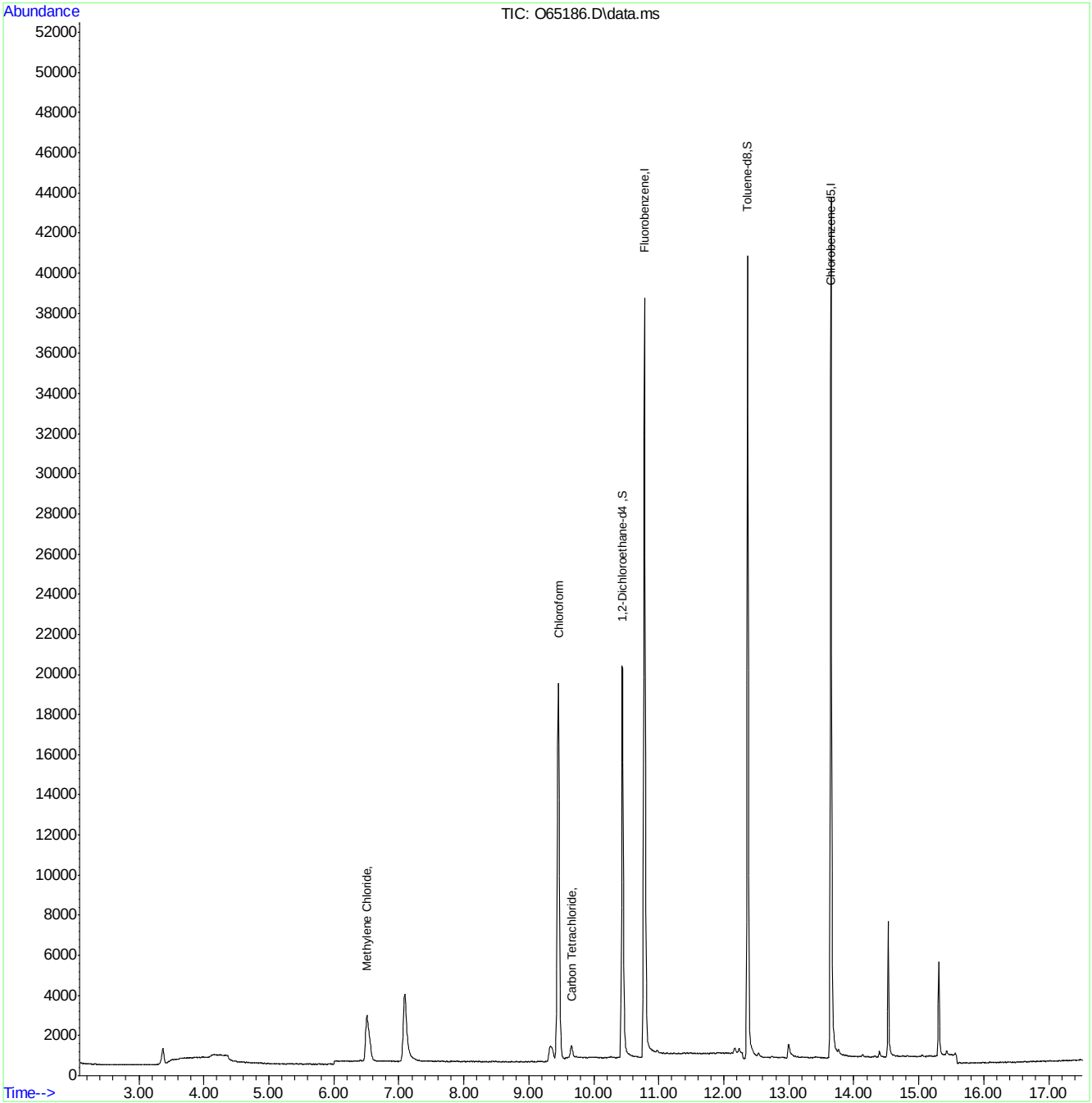
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43852	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30776	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18985	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	12.367	98	35242	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3685	0.30	ug/L	92
9) Chloroform	9.456	83	21643	2.15	ug/L	96
10) Carbon Tetrachloride	9.656	117	547m	0.09	ug/L	

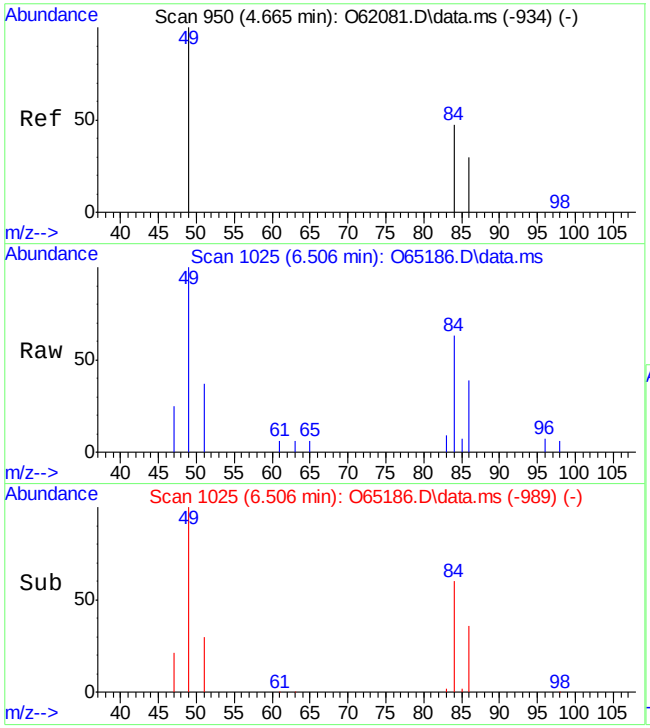
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65186.D
Acq On : 13 Sep 2021 6:11 pm
Operator : charleng
Sample : FA88736-4 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 10:56:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

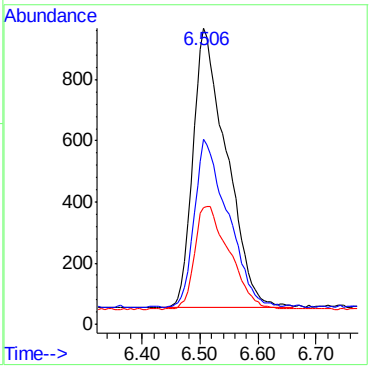


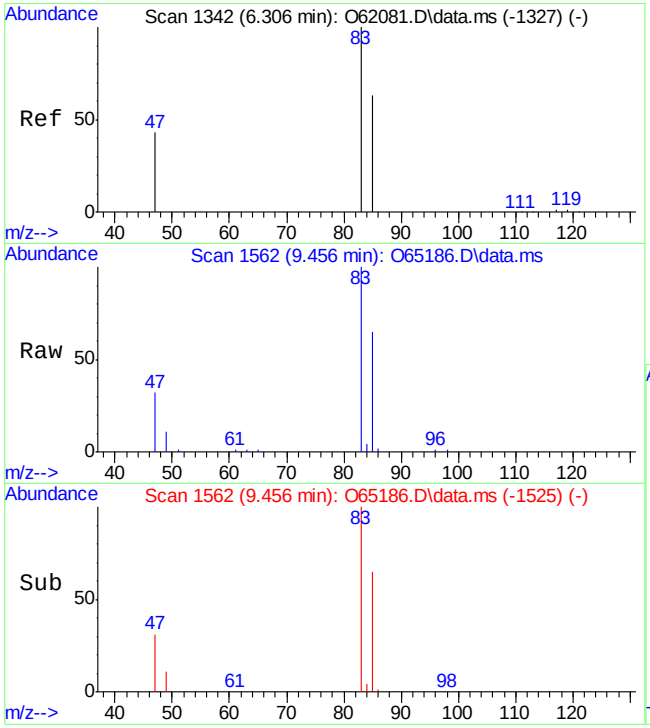


#5
Methylene Chloride
Concen: 0.30 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65186.D
Acq: 13 Sep 2021 6:11 pm

Tgt Ion: 49 Resp: 3685

Ion	Ratio	Lower	Upper
49	100		
84	60.0	35.5	95.5
86	36.4	12.8	72.8

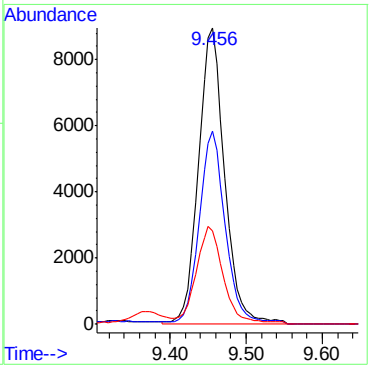


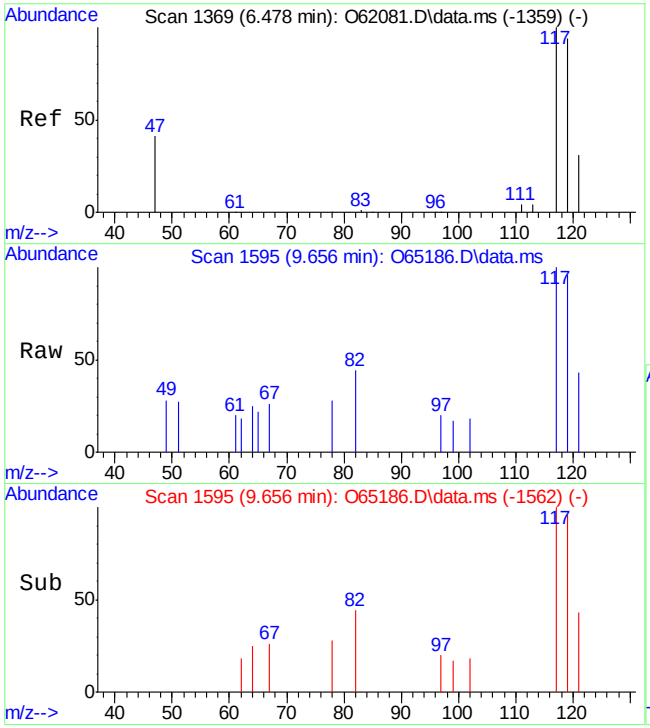


#9
Chloroform
Concen: 2.15 ug/L
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65186.D
Acq: 13 Sep 2021 6:11 pm

Tgt Ion: 83 Resp: 21643

Ion	Ratio	Lower	Upper
83	100		
85	65.3	33.7	93.7
47	31.6	5.1	65.1

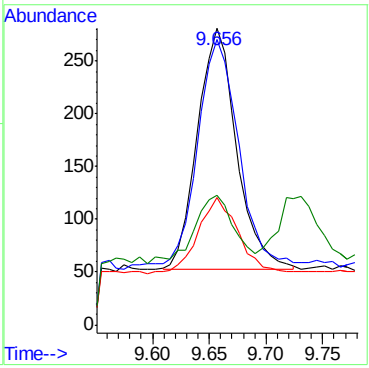




#10
Carbon Tetrachloride
Concen: 0.09 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65186.D
Acq: 13 Sep 2021 6:11 pm

Tgt Ion:117 Resp: 547

Ion	Ratio	Lower	Upper
117	100		
119	96.1	68.2	128.2
121	43.1	1.1	61.1
82	43.8	0.0	54.2



Manual Integration Approval Summary

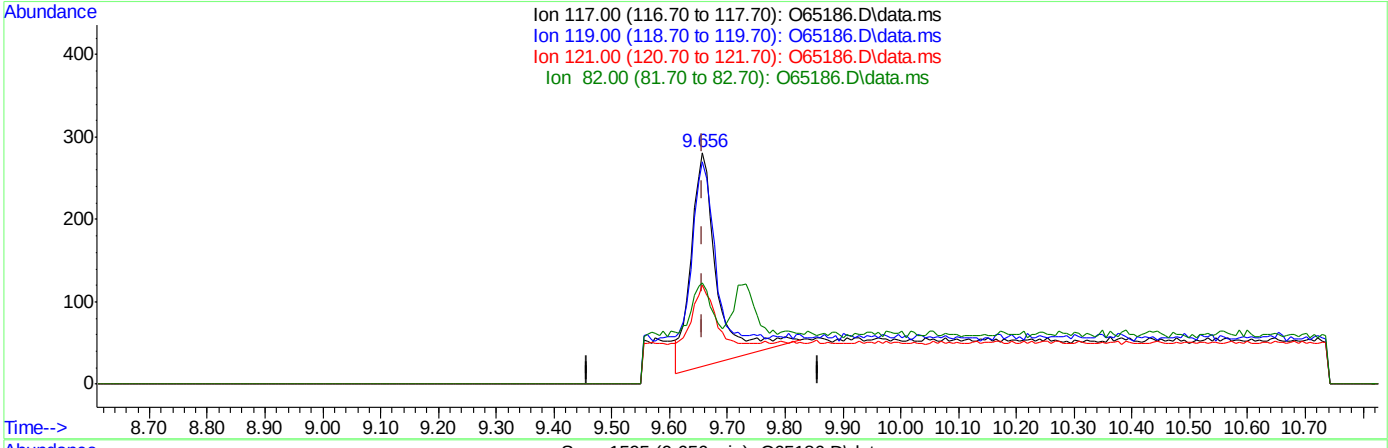
Sample Number: FA88736-4
Lab FileID: O65186.D
Injection Time: 09/13/21 18:11
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

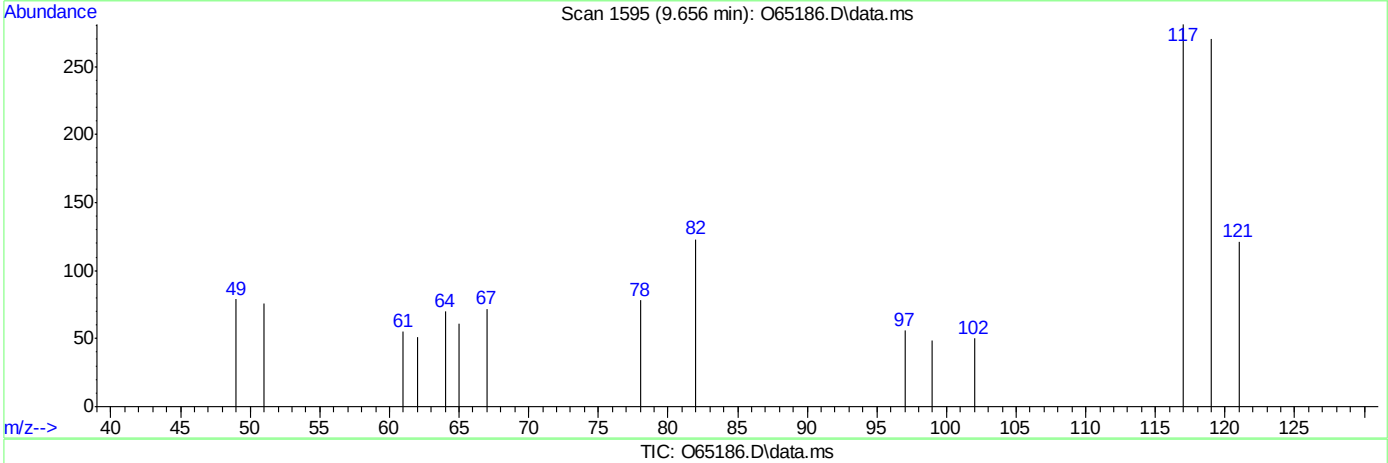
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65186.D
Acq On : 13 Sep 2021 6:11 pm
Operator : charleng
Sample : FA88736-4 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 10:51:58 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65186.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.13ug/L

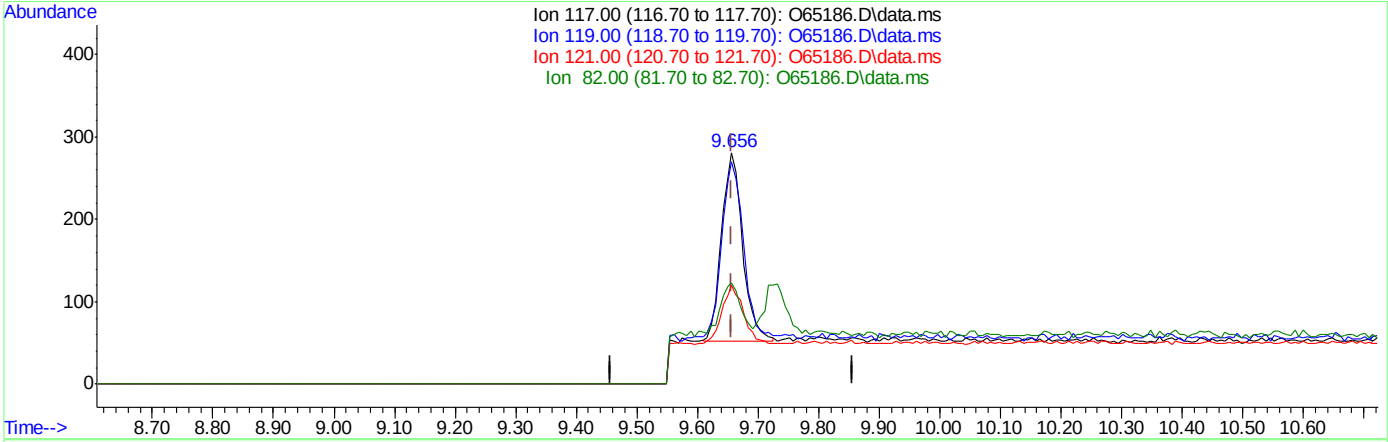
response 812

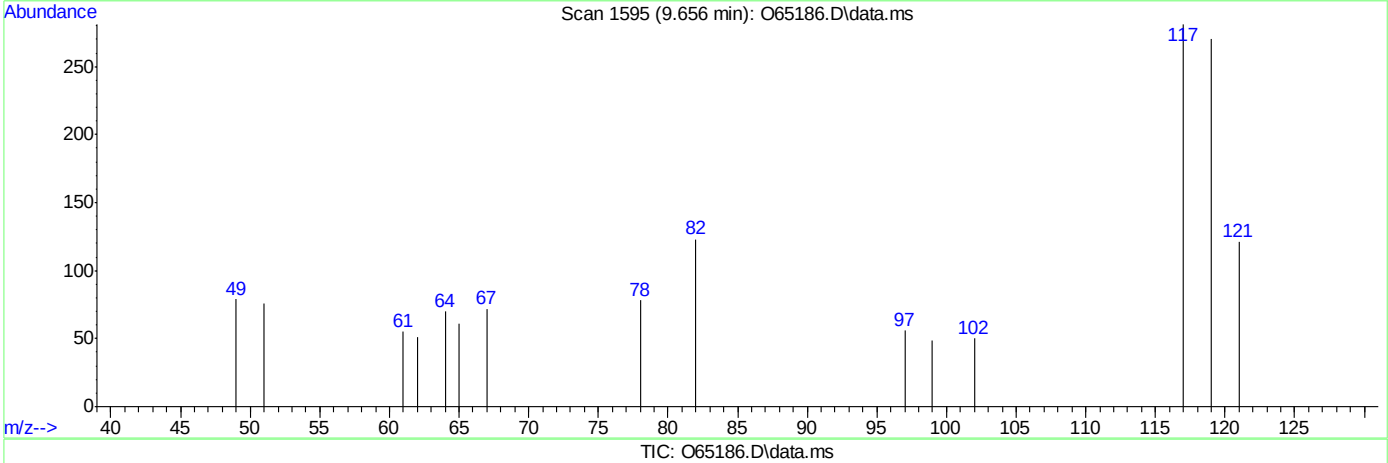
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.39
121.00	31.10	31.28
82.00	24.20	26.87

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65186.D
Acq On : 13 Sep 2021 6:11 pm
Operator : charleng
Sample : FA88736-4 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 10:51:58 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65186.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.09ug/L m

response 547

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.09
121.00	31.10	43.06
82.00	24.20	43.77

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:56:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

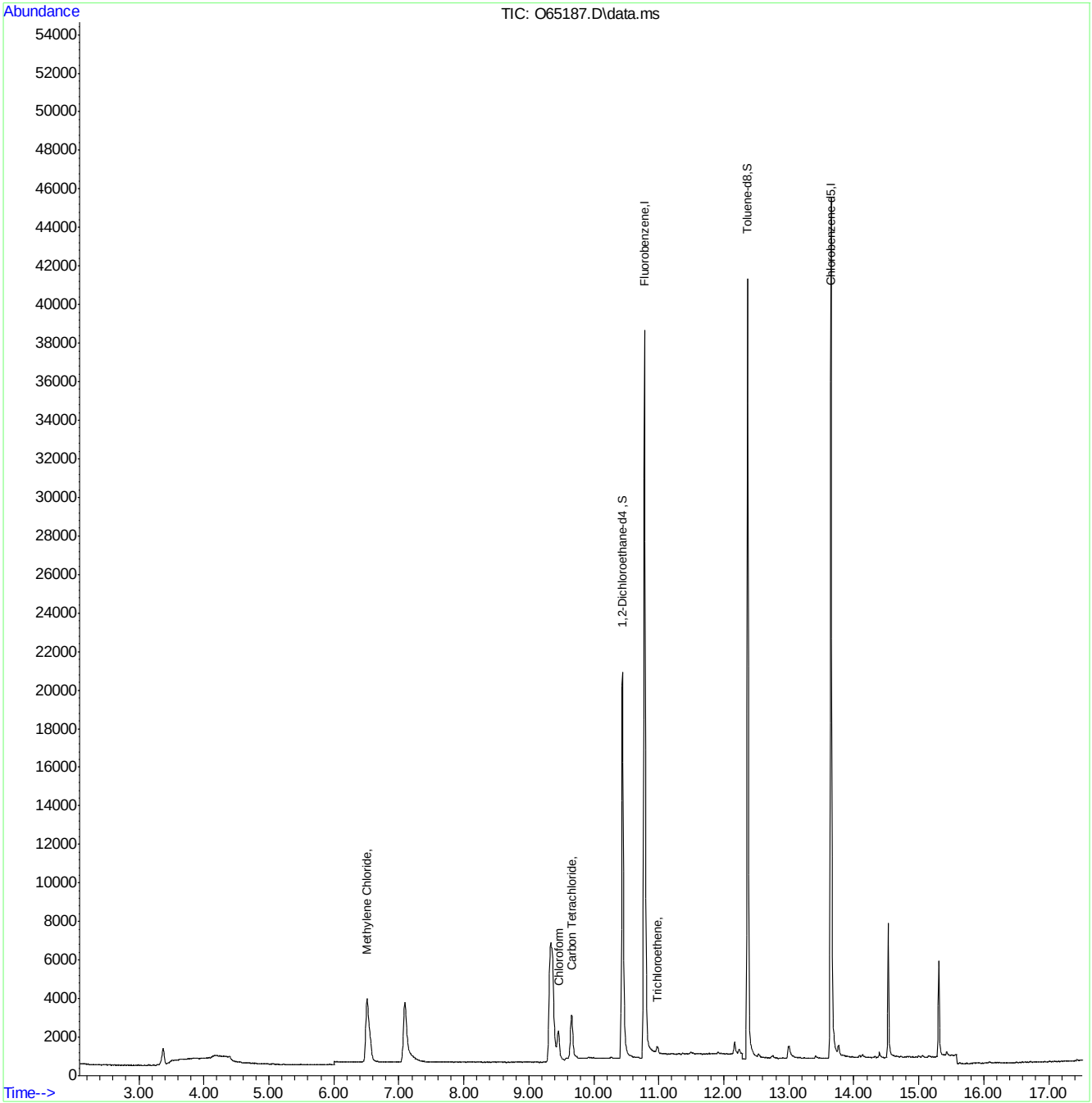
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	44719	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31473	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	19322	5.10	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.00%			
19) Toluene-d8	12.367	98	35767	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	5203	0.42	ug/L	90
9) Chloroform	9.456	83	1489m	0.14	ug/L	
10) Carbon Tetrachloride	9.657	117	2146m	0.34	ug/L	
15) Trichloroethene	10.974	95	183	0.03	ug/L	85

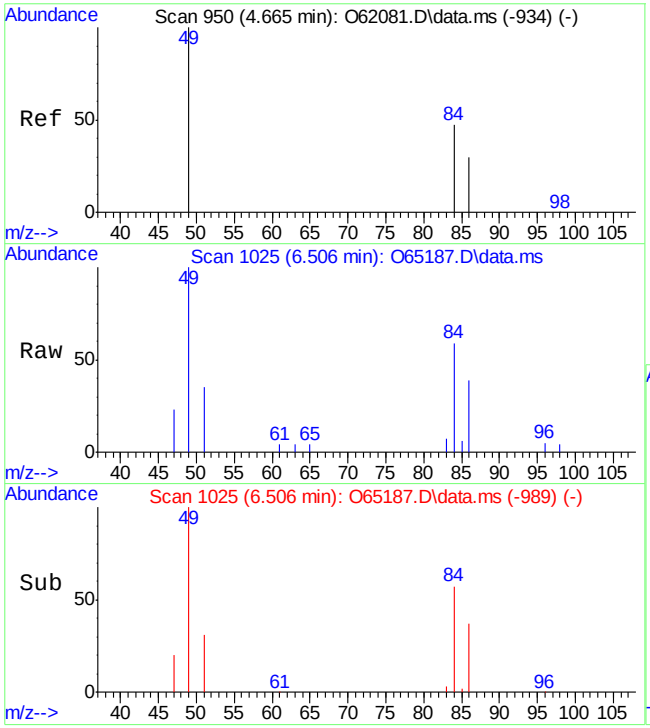
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:56:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

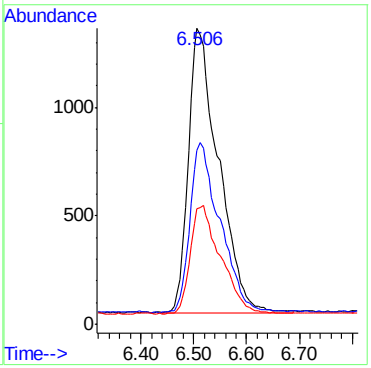


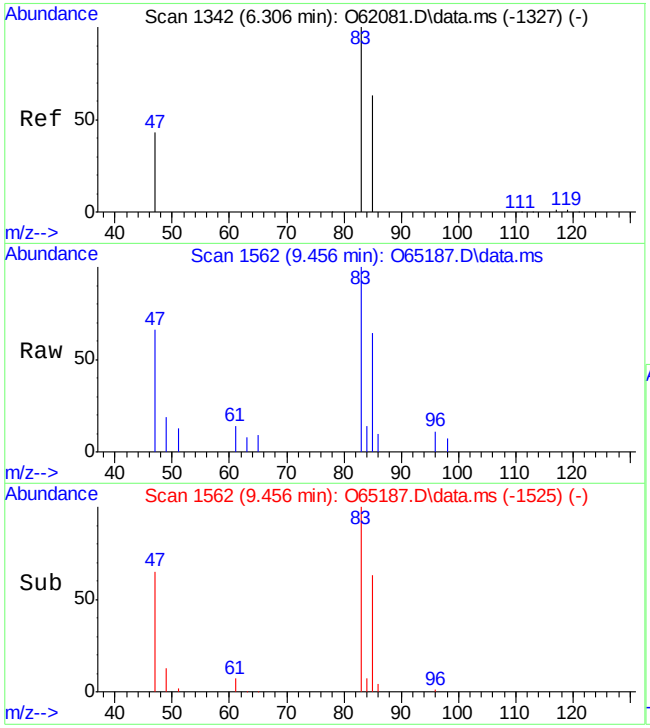


#5
Methylene Chloride
Concen: 0.42 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65187.D
Acq: 13 Sep 2021 6:34 pm

Tgt Ion: 49 Resp: 5203

Ion	Ratio	Lower	Upper
49	100		
84	57.0	35.5	95.5
86	36.8	12.8	72.8

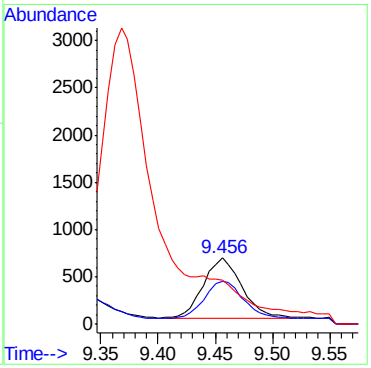


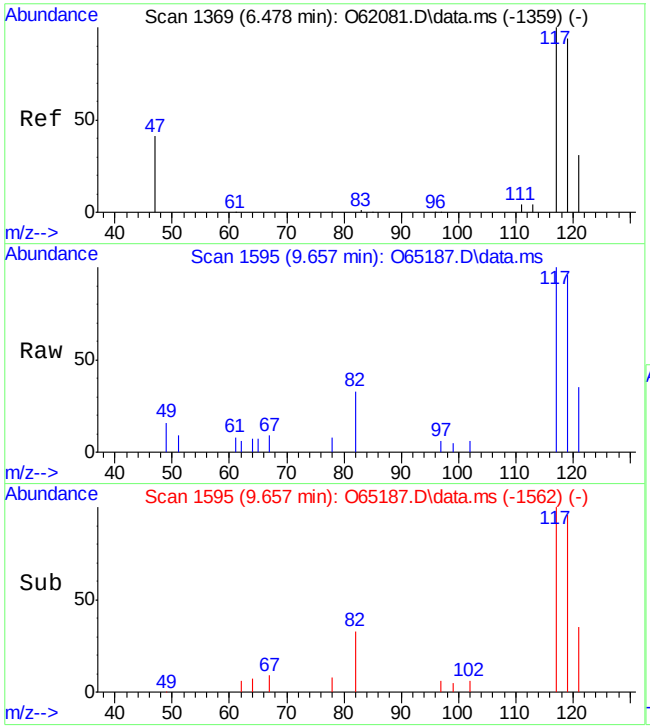


#9
Chloroform
Concen: 0.14 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65187.D
Acq: 13 Sep 2021 6:34 pm

Tgt Ion: 83 Resp: 1489

Ion	Ratio	Lower	Upper
83	100		
85	64.2	33.7	93.7
47	66.0	5.1	65.1#

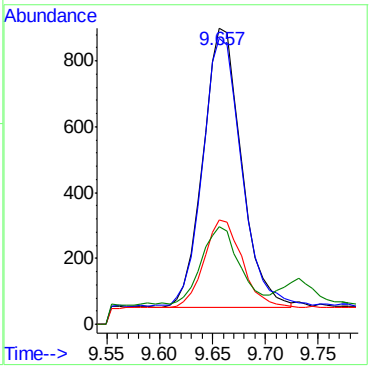


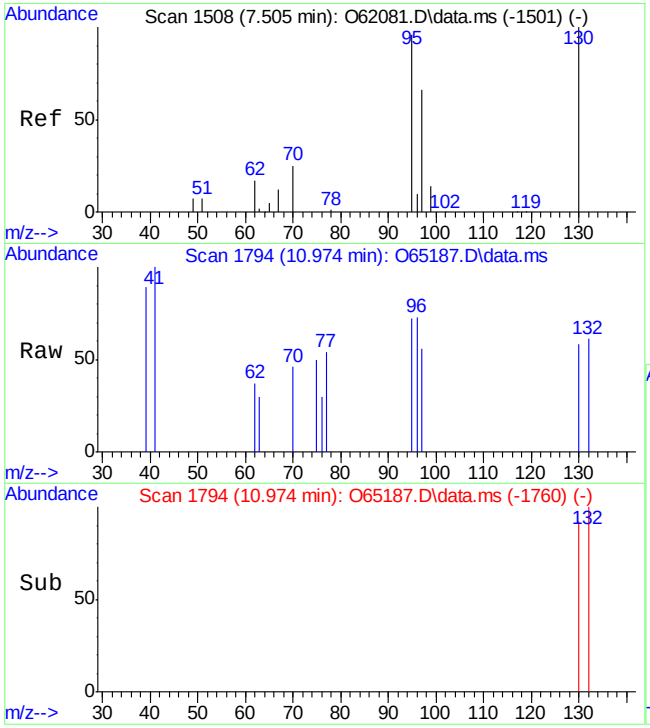


#10
Carbon Tetrachloride
Concen: 0.34 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65187.D
Acq: 13 Sep 2021 6:34 pm

Tgt Ion:117 Resp: 2146

Ion	Ratio	Lower	Upper
117	100		
119	96.4	68.2	128.2
121	35.4	1.1	61.1
82	33.1	0.0	54.2

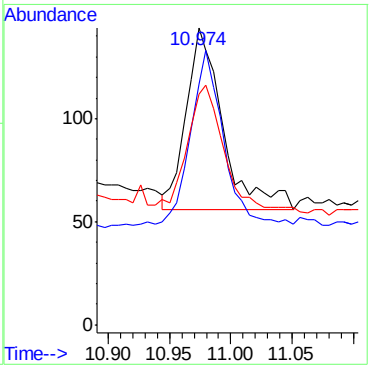




#15
Trichloroethene
Concen: 0.03 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65187.D
Acq: 13 Sep 2021 6:34 pm

Tgt Ion: 95 Resp: 183

Ion	Ratio	Lower	Upper
95	100		
130	77.3	69.9	129.9
97	62.5	34.0	94.0



Manual Integration Approval Summary

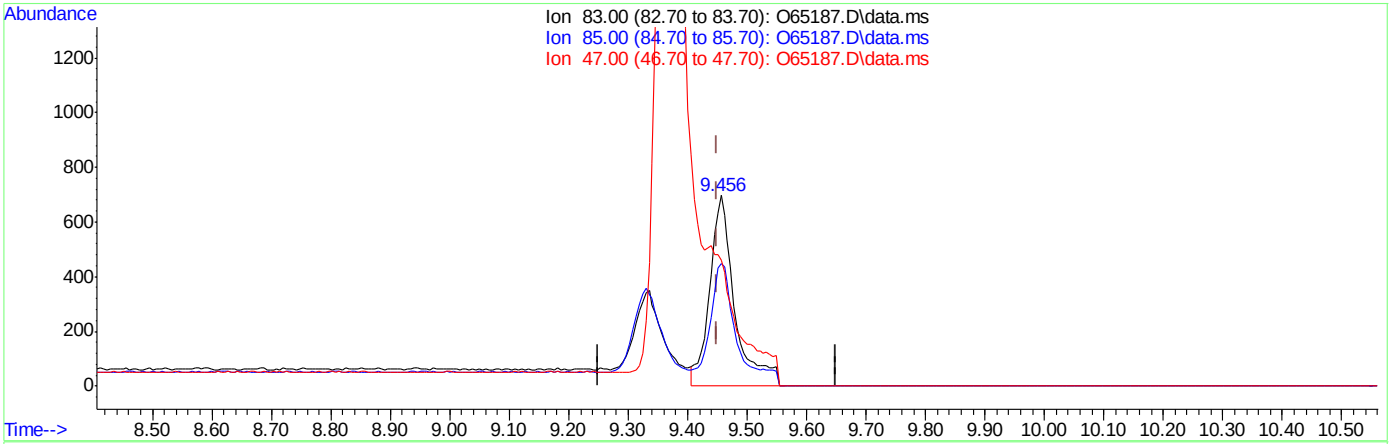
Sample Number: FA88736-5
Lab FileID: O65187.D
Injection Time: 09/13/21 18:34
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

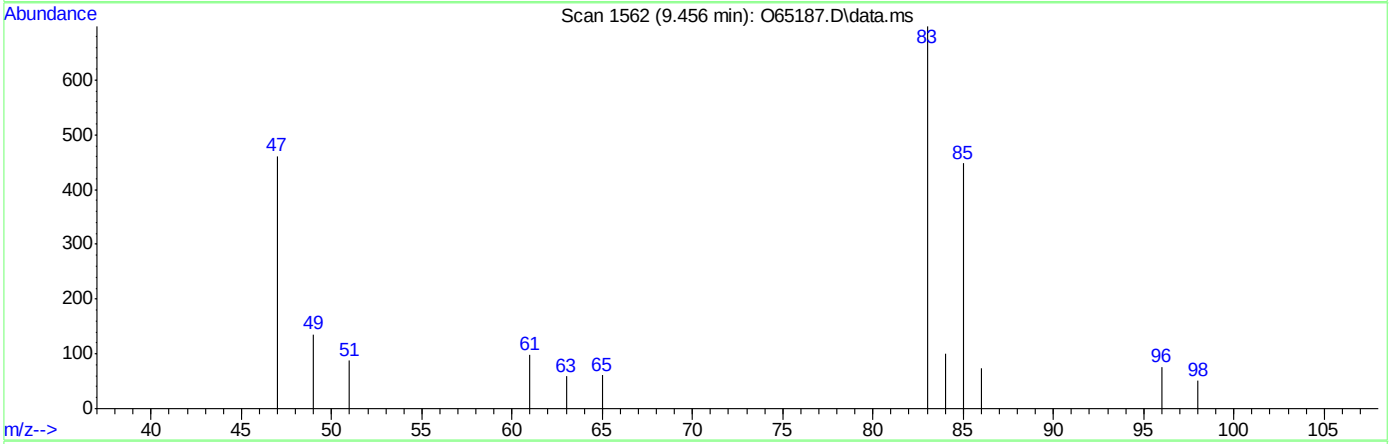
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:52:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65187.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.20ug/L

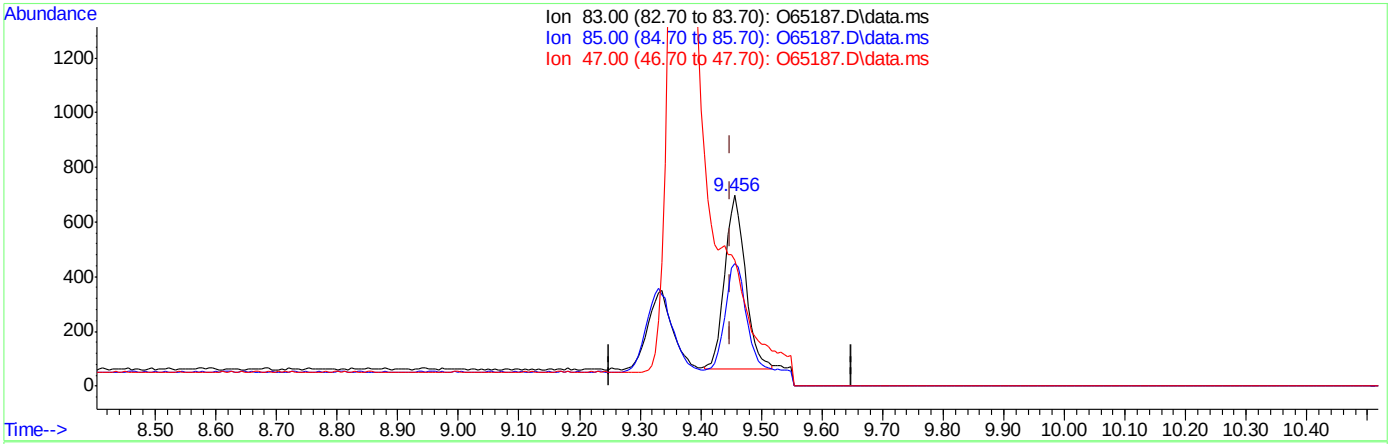
response 2061

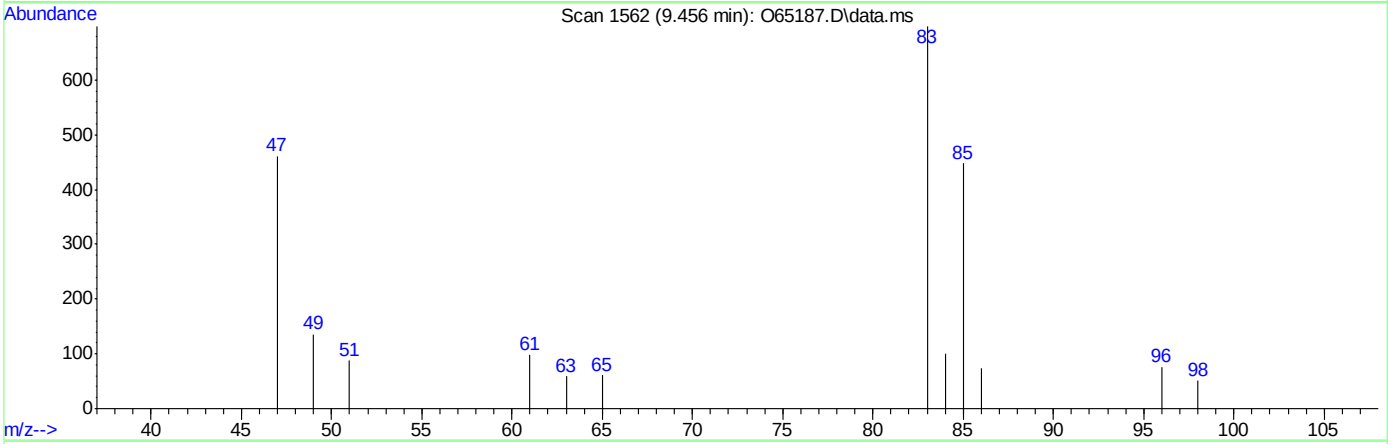
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.18
47.00	35.10	66.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:52:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65187.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.14ug/L m

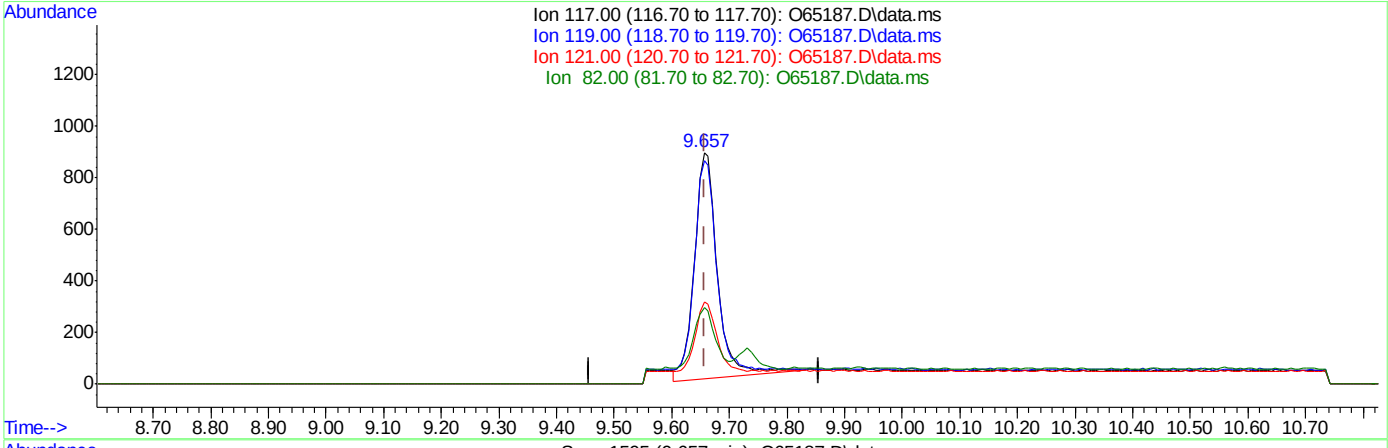
response 1489

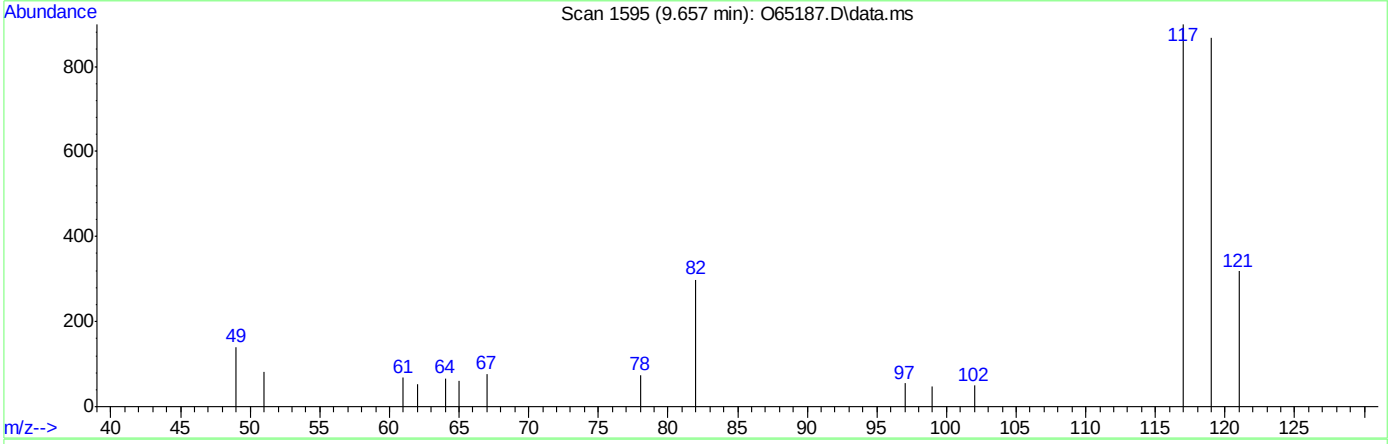
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.18
47.00	35.10	66.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:52:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65187.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.38ug/L

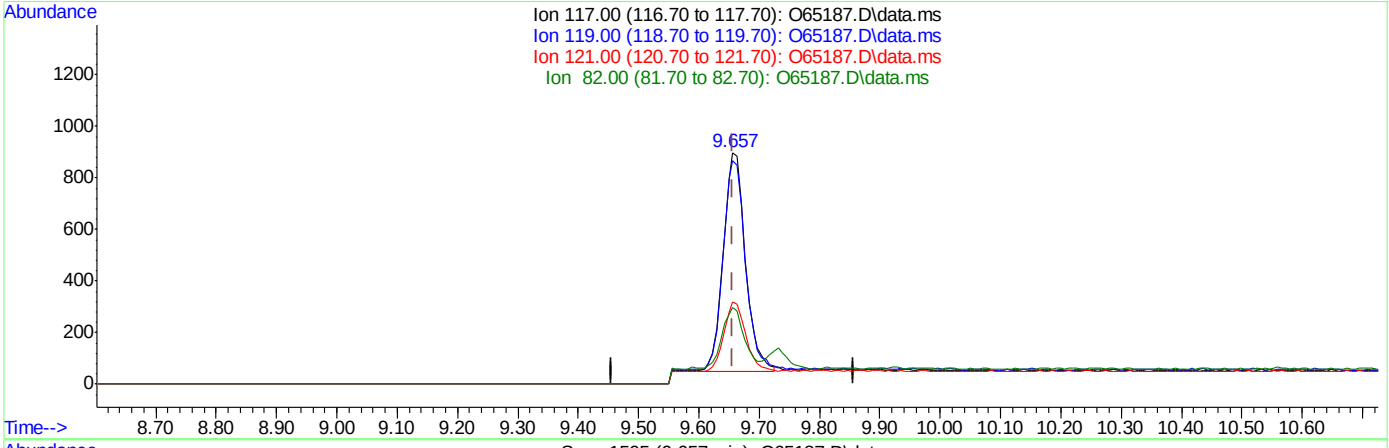
response 2426

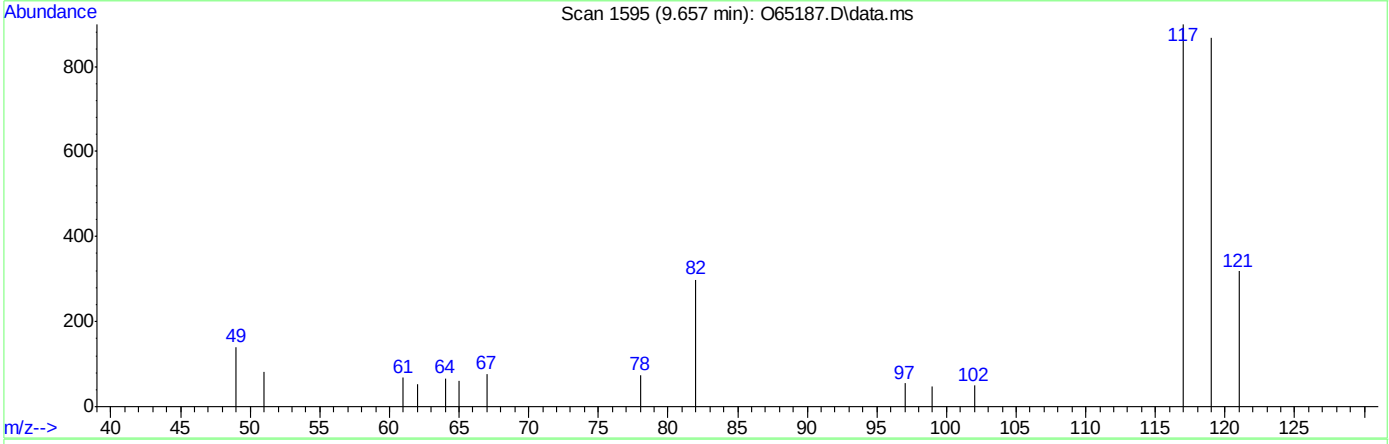
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.86
121.00	31.10	31.56
82.00	24.20	27.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65187.D
Acq On : 13 Sep 2021 6:34 pm
Operator : charleng
Sample : FA88736-5 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 10:52:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65187.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.34ug/L m

response 2146

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.44
121.00	31.10	35.37
82.00	24.20	33.15

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:57:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

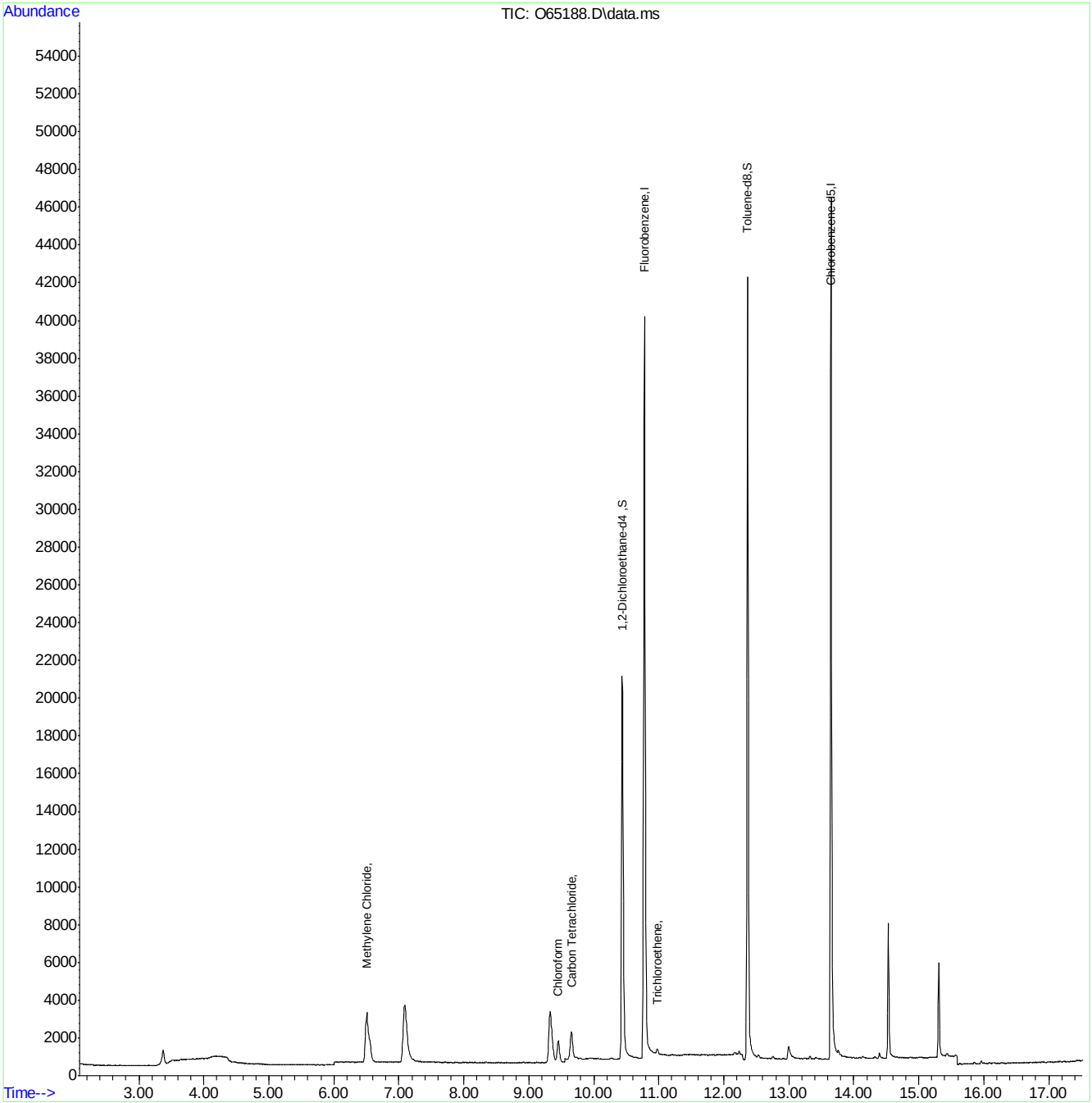
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45874	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32230	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19763	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	36631	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4041	0.32	ug/L	96
9) Chloroform	9.450	83	1259m	0.12	ug/L	
10) Carbon Tetrachloride	9.657	117	1409m	0.22	ug/L	
15) Trichloroethene	10.974	95	178	0.03	ug/L	91

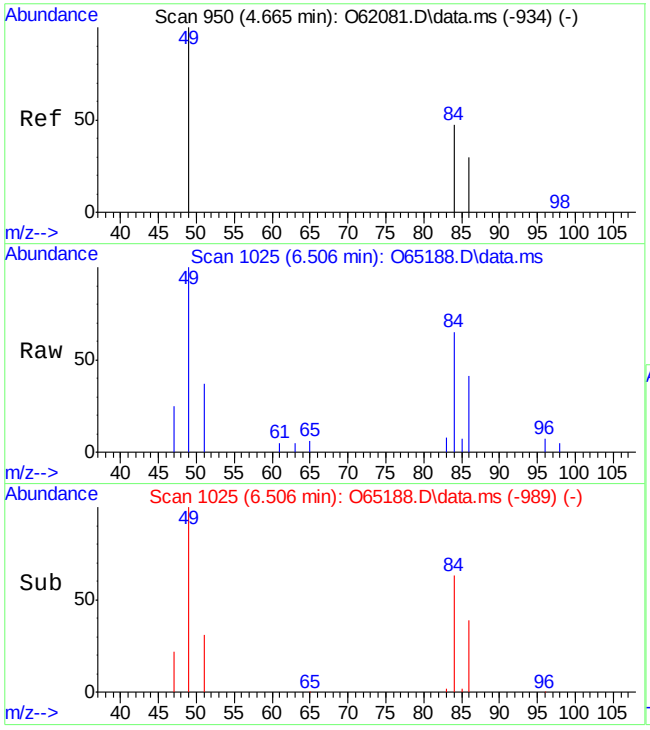
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:57:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

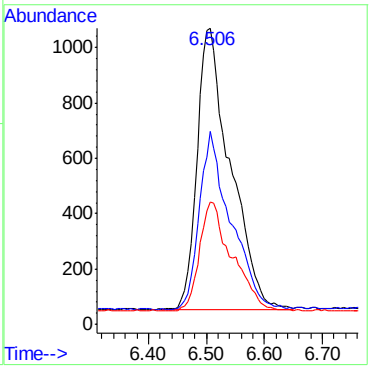


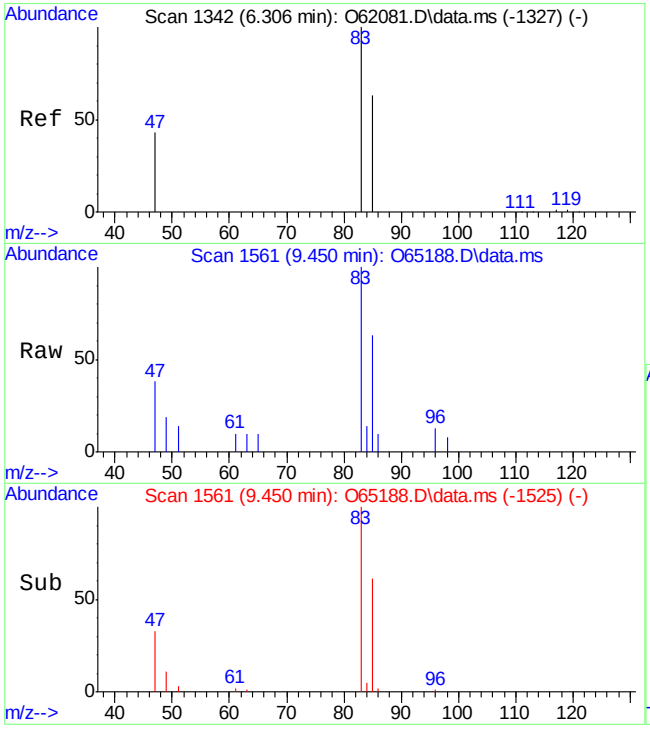


#5
Methylene Chloride
Concen: 0.32 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65188.D
Acq: 13 Sep 2021 6:58 pm

Tgt Ion: 49 Resp: 4041

Ion	Ratio	Lower	Upper
49	100		
84	63.0	35.5	95.5
86	38.7	12.8	72.8

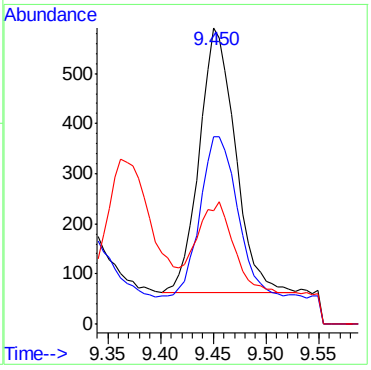


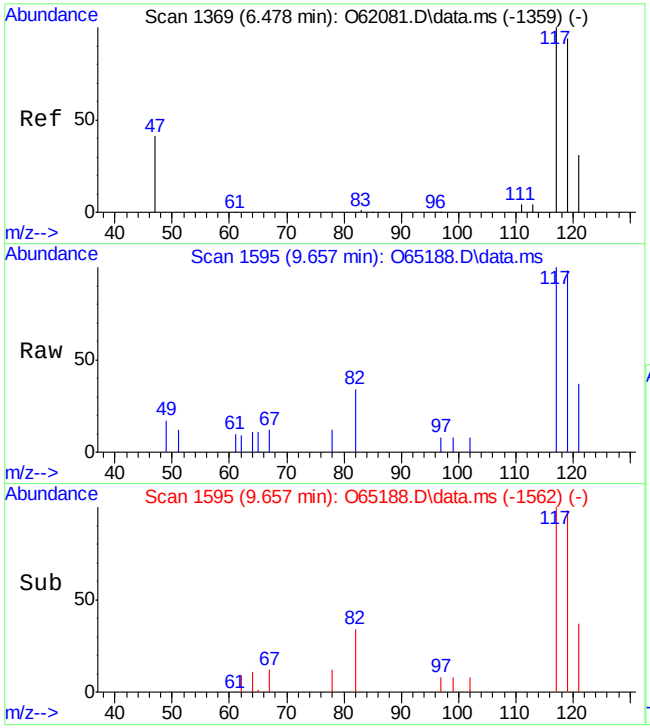


#9
Chloroform
Concen: 0.12 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65188.D
Acq: 13 Sep 2021 6:58 pm

Tgt Ion: 83 Resp: 1259

Ion	Ratio	Lower	Upper
83	100		
85	63.5	33.7	93.7
47	38.4	5.1	65.1

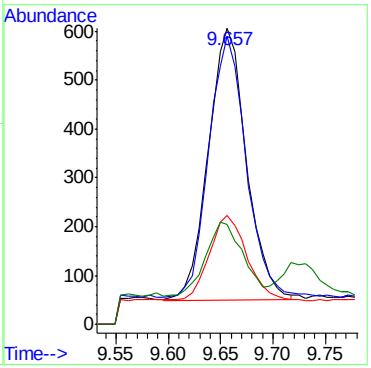


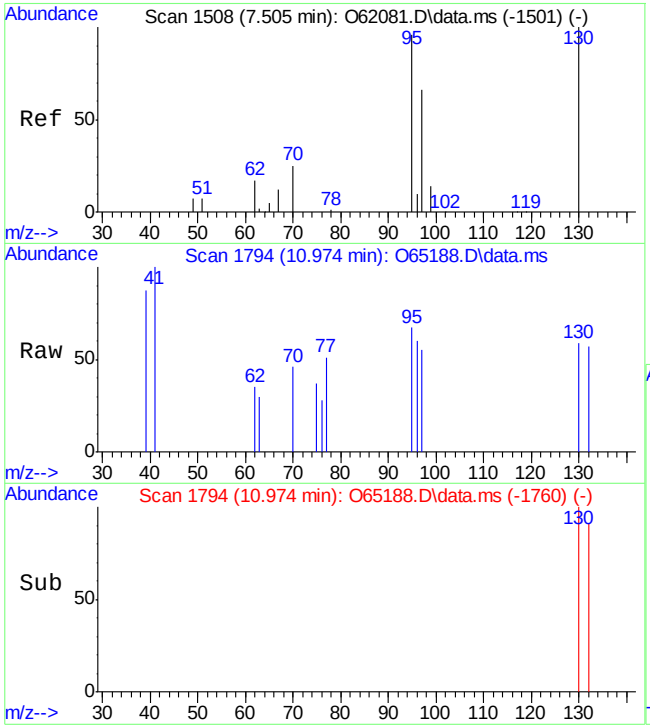


#10
Carbon Tetrachloride
Concen: 0.22 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65188.D
Acq: 13 Sep 2021 6:58 pm

Tgt Ion:117 Resp: 1409

Ion	Ratio	Lower	Upper
117	100		
119	97.5	68.2	128.2
121	37.0	1.1	61.1
82	33.7	0.0	54.2

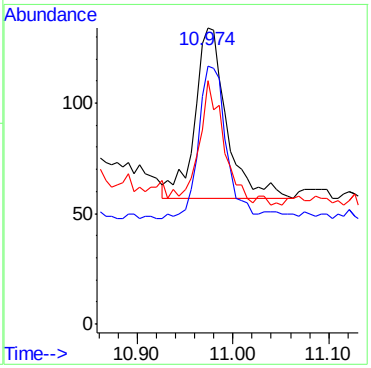




#15
Trichloroethene
Concen: 0.03 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65188.D
Acq: 13 Sep 2021 6:58 pm

Tgt Ion: 95 Resp: 178

Ion	Ratio	Lower	Upper
95	100		
130	89.6	69.9	129.9
97	68.8	34.0	94.0



Manual Integration Approval Summary

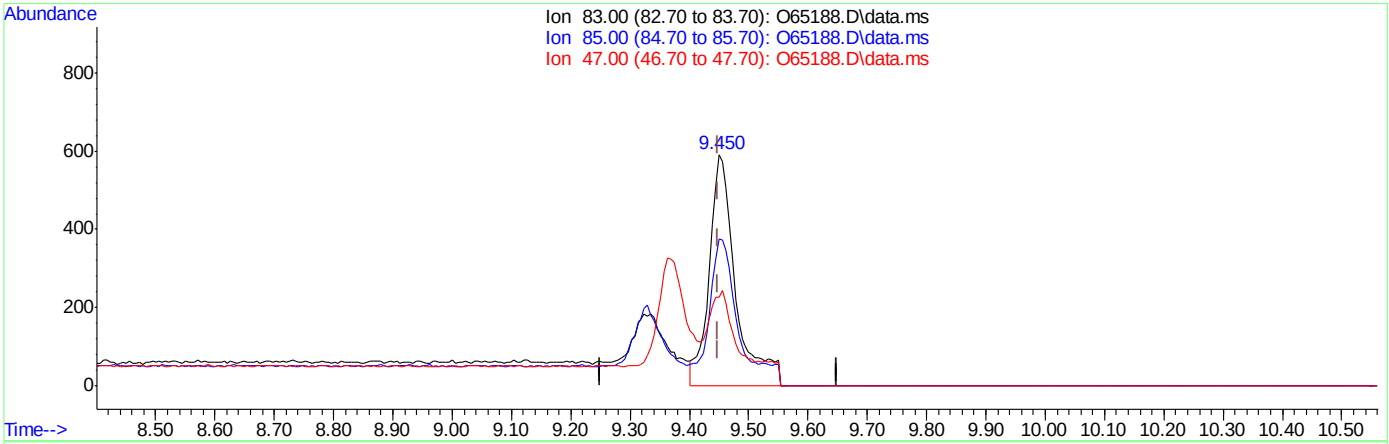
Sample Number: FA88736-6
Lab FileID: O65188.D
Injection Time: 09/13/21 18:58
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

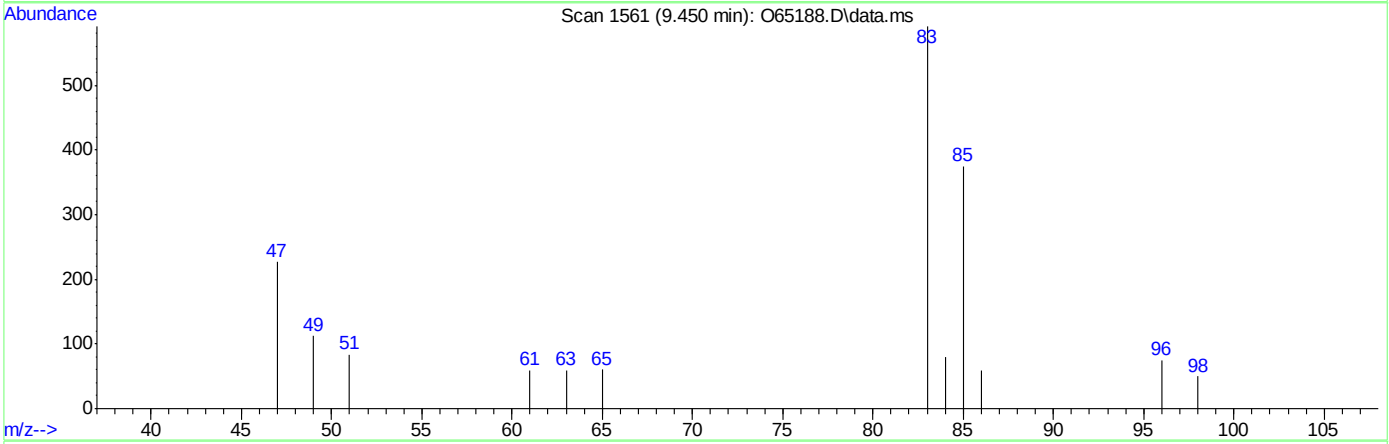
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:52:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65188.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.17ug/L

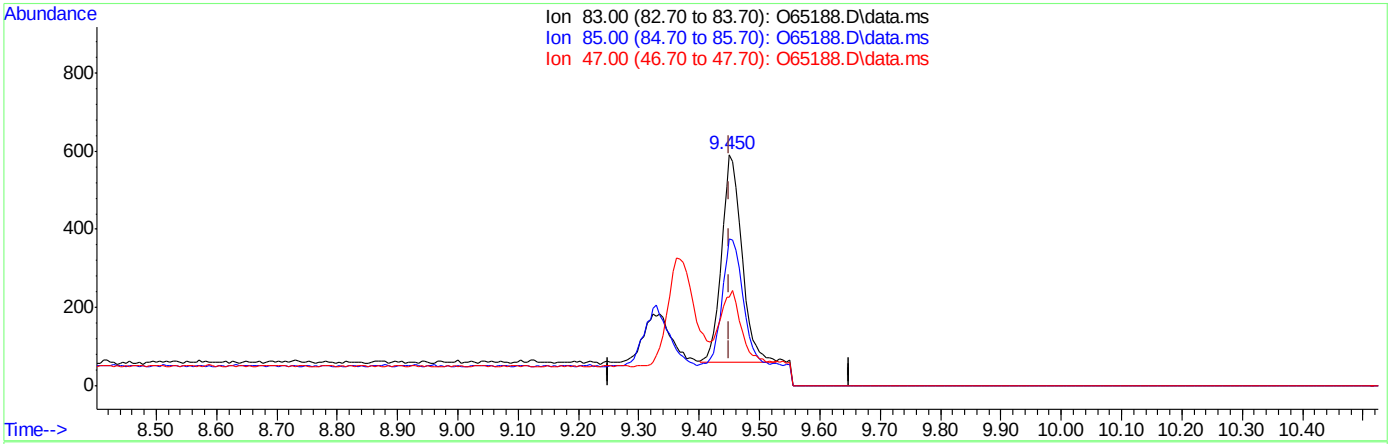
response 1832

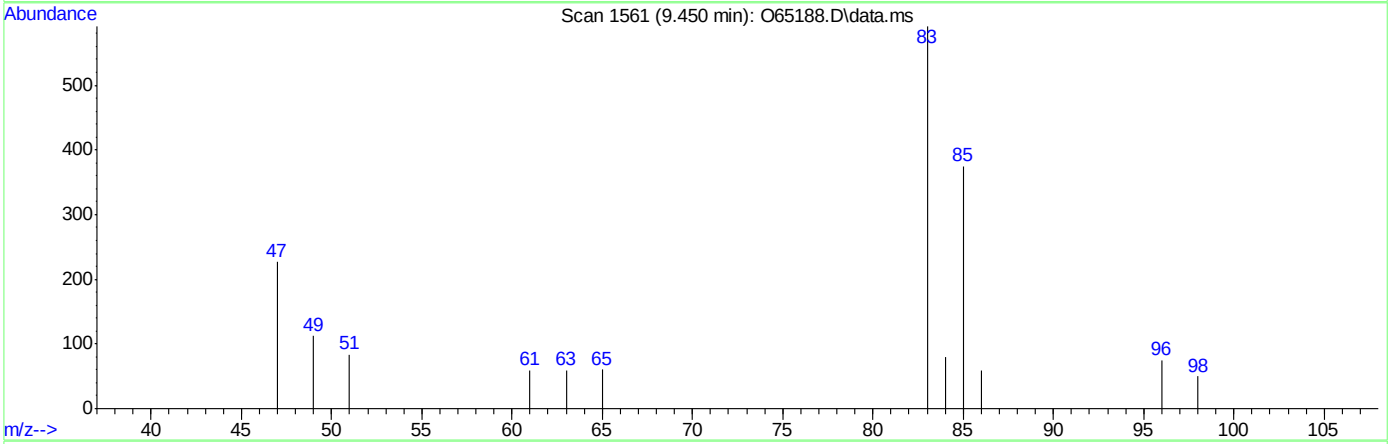
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.45
47.00	35.10	38.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:52:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65188.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.12ug/L m

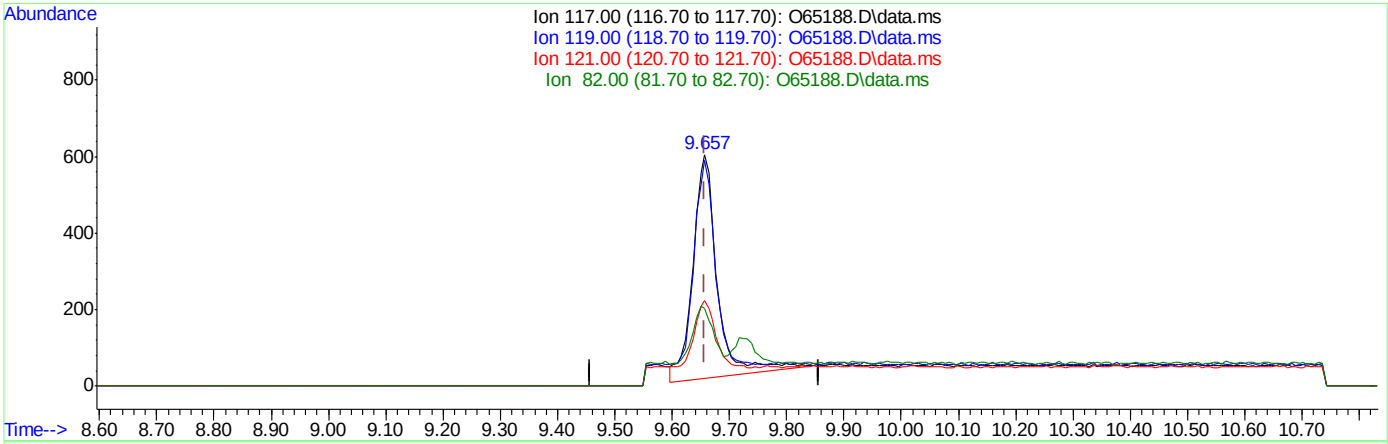
response 1259

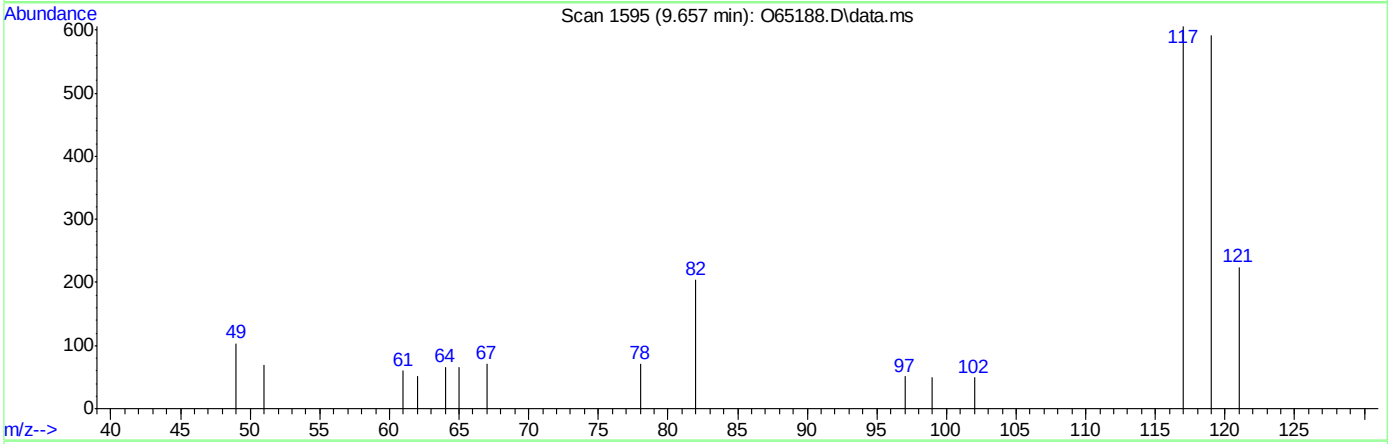
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.45
47.00	35.10	38.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:52:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65188.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.26ug/L

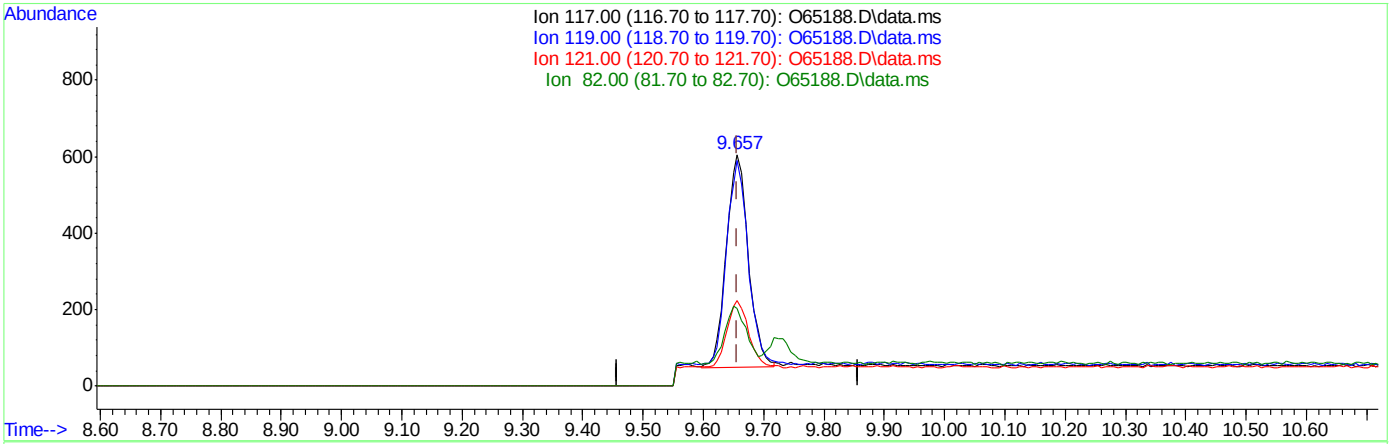
response 1726

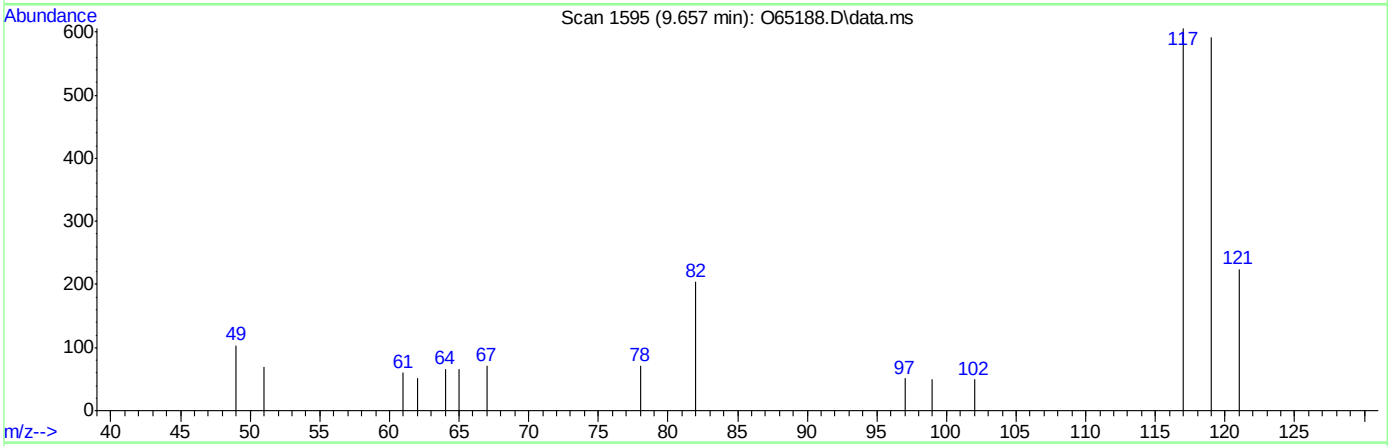
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	96.58
121.00	31.10	31.35
82.00	24.20	26.49

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65188.D
Acq On : 13 Sep 2021 6:58 pm
Operator : charleng
Sample : FA88736-6 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 10:52:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65188.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.22ug/L m

response 1409

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.52
121.00	31.10	36.96
82.00	24.20	33.66

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65189.D
Acq On : 13 Sep 2021 7:20 pm
Operator : charleng
Sample : FA88736-7 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:57:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

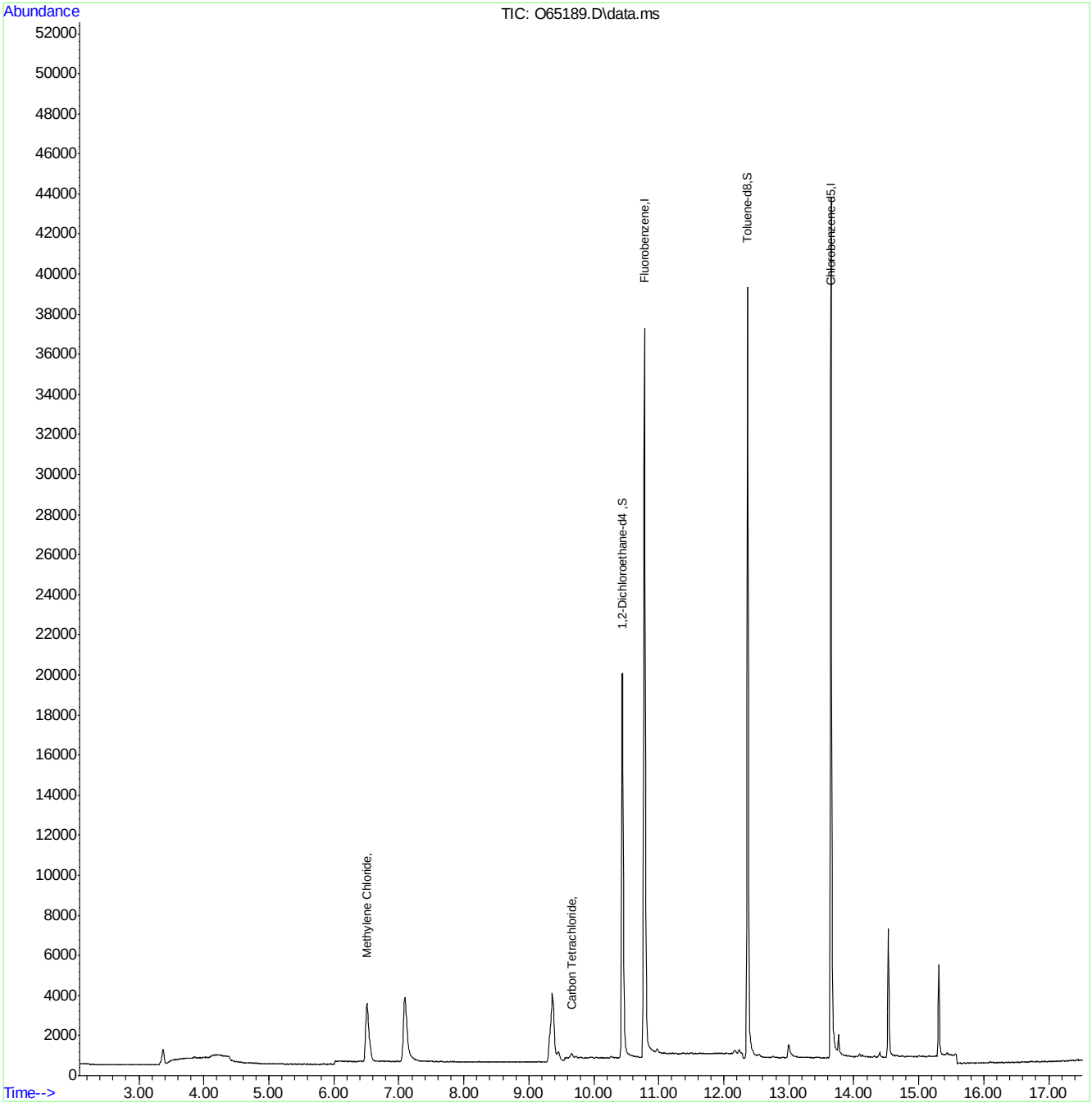
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42626	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29806	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	18525	5.13	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.60%			
19) Toluene-d8	12.367	98	33883	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	4099	0.35	ug/L	93
10) Carbon Tetrachloride	9.657	117	190m	0.03	ug/L	

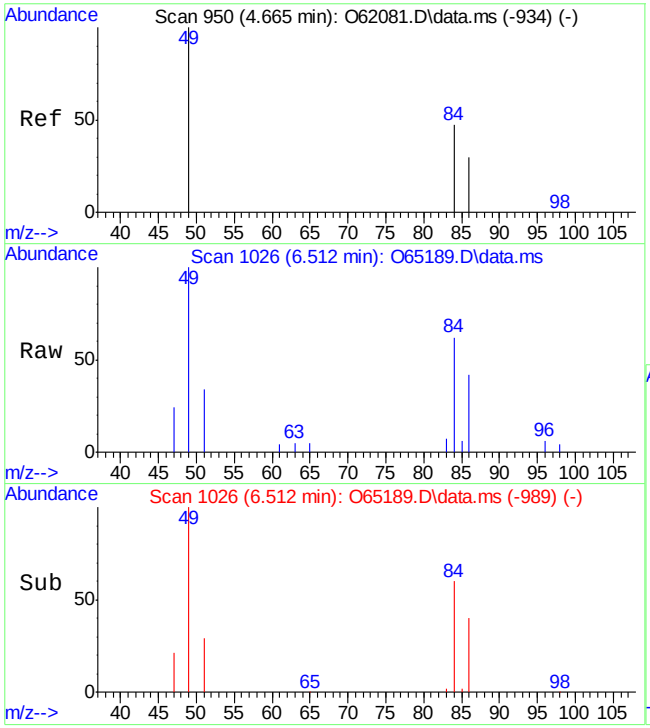
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65189.D
Acq On : 13 Sep 2021 7:20 pm
Operator : charleng
Sample : FA88736-7 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:57:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

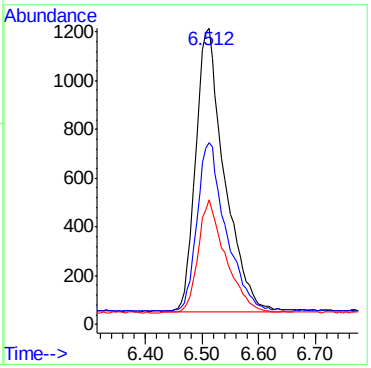


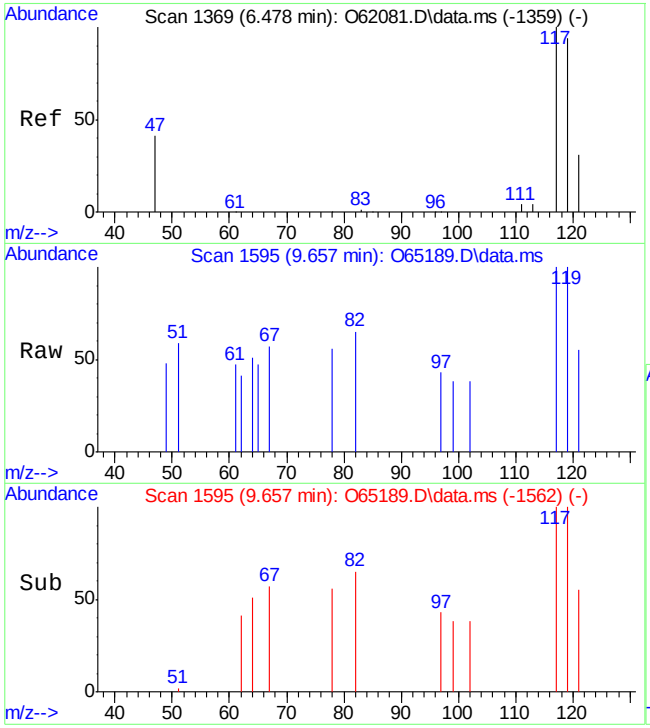


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.005 min
Lab File: O65189.D
Acq: 13 Sep 2021 7:20 pm

Tgt Ion: 49 Resp: 4099

Ion	Ratio	Lower	Upper
49	100		
84	59.5	35.5	95.5
86	39.6	12.8	72.8

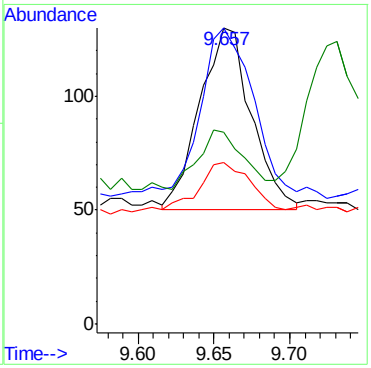




#10
Carbon Tetrachloride
Concen: 0.03 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65189.D
Acq: 13 Sep 2021 7:20 pm

Tgt Ion:117 Resp: 190

Ion	Ratio	Lower	Upper
117	100		
119	100.0	68.2	128.2
121	54.6	1.1	61.1
82	64.6	0.0	54.2#



Manual Integration Approval Summary

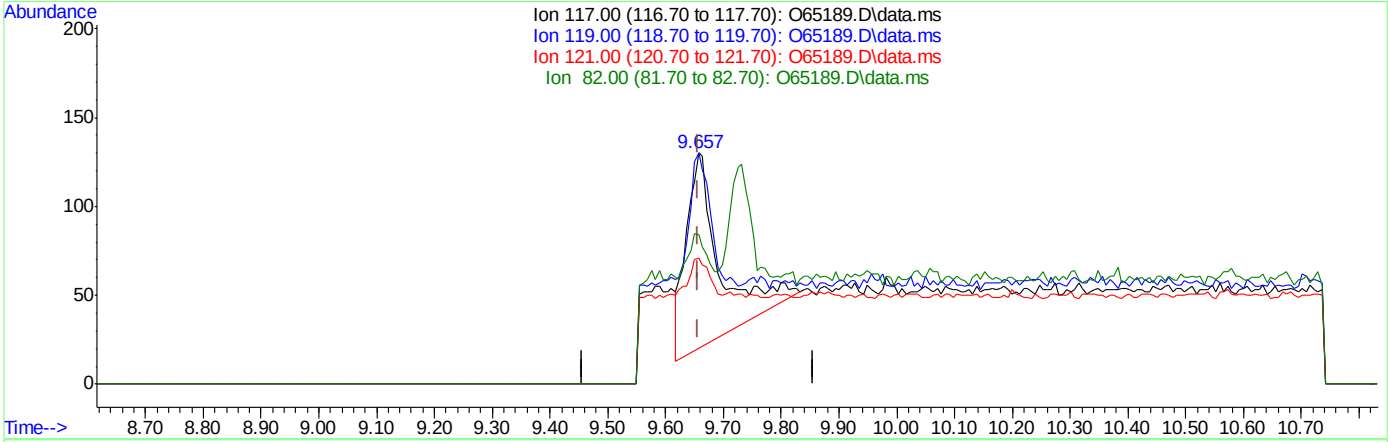
Sample Number:	FA88736-7	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65189.D	**Analyst approved:**	09/14/21 11:09 Charlene Gonzalez
Injection Time:	09/13/21 19:20	**Supervisor approved:**	09/19/21 23:03 Chelsea VanDenBurg

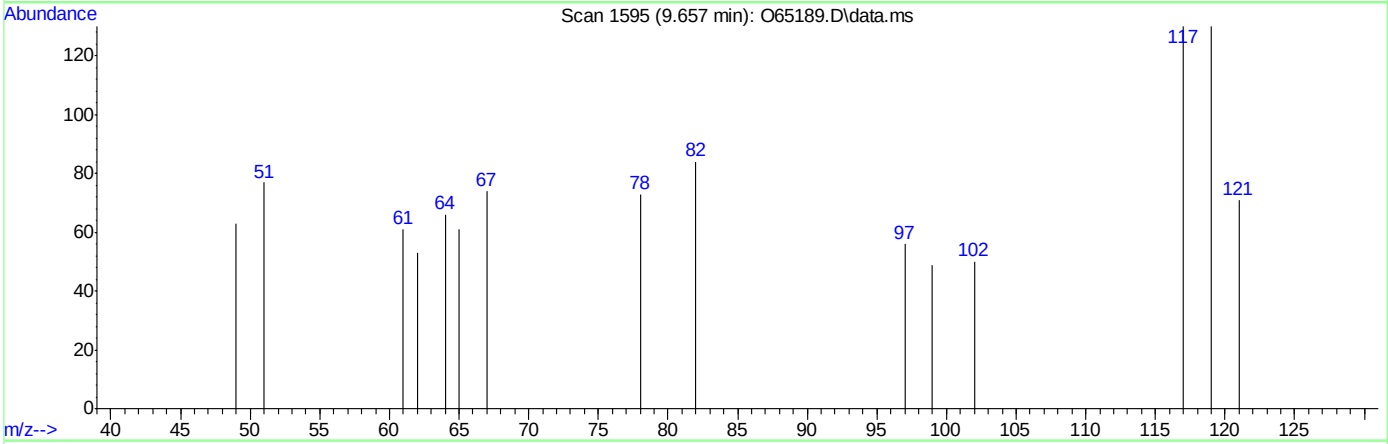
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65189.D
Acq On : 13 Sep 2021 7:20 pm
Operator : charleng
Sample : FA88736-7 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:52:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65189.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.07ug/L

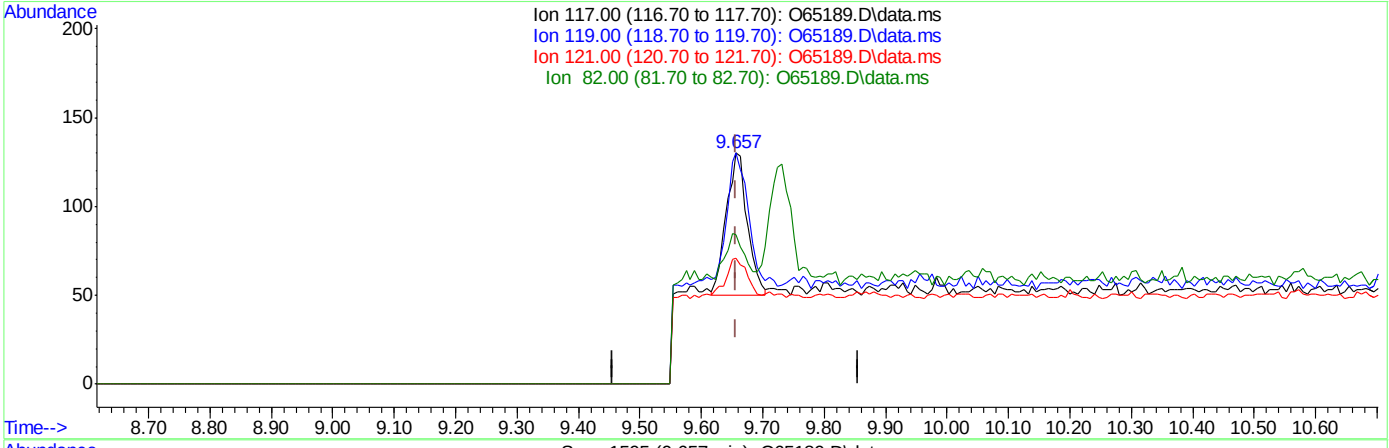
response 446

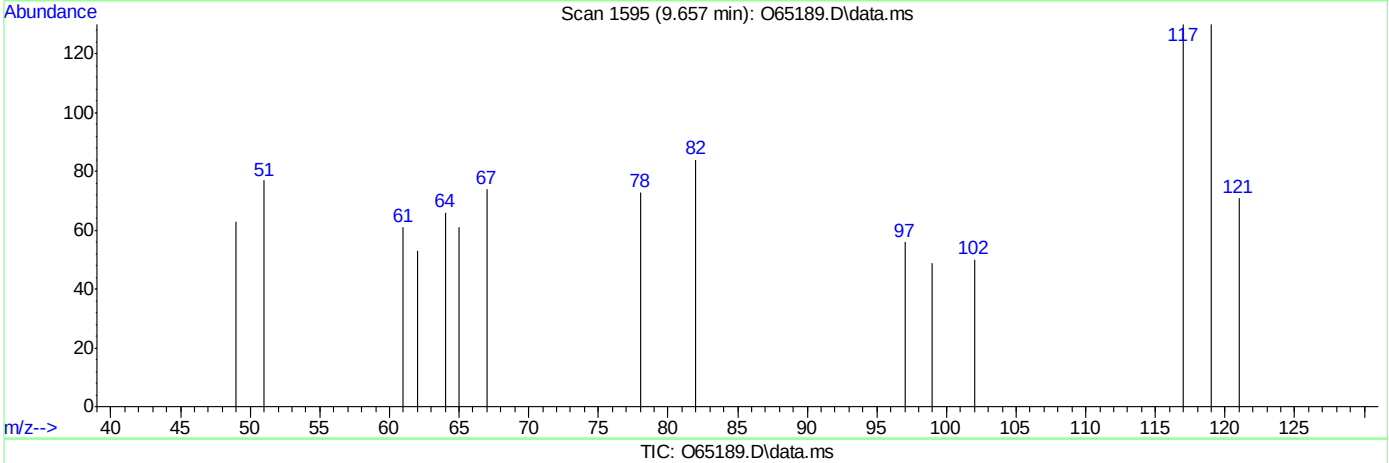
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.59
121.00	31.10	28.21
82.00	24.20	32.05

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65189.D
Acq On : 13 Sep 2021 7:20 pm
Operator : charleng
Sample : FA88736-7 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:52:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65189.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.03ug/L m

response 190

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	54.62
82.00	24.20	64.62#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65190.D
Acq On : 13 Sep 2021 7:44 pm
Operator : charleng
Sample : FA88736-8 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 11:00:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

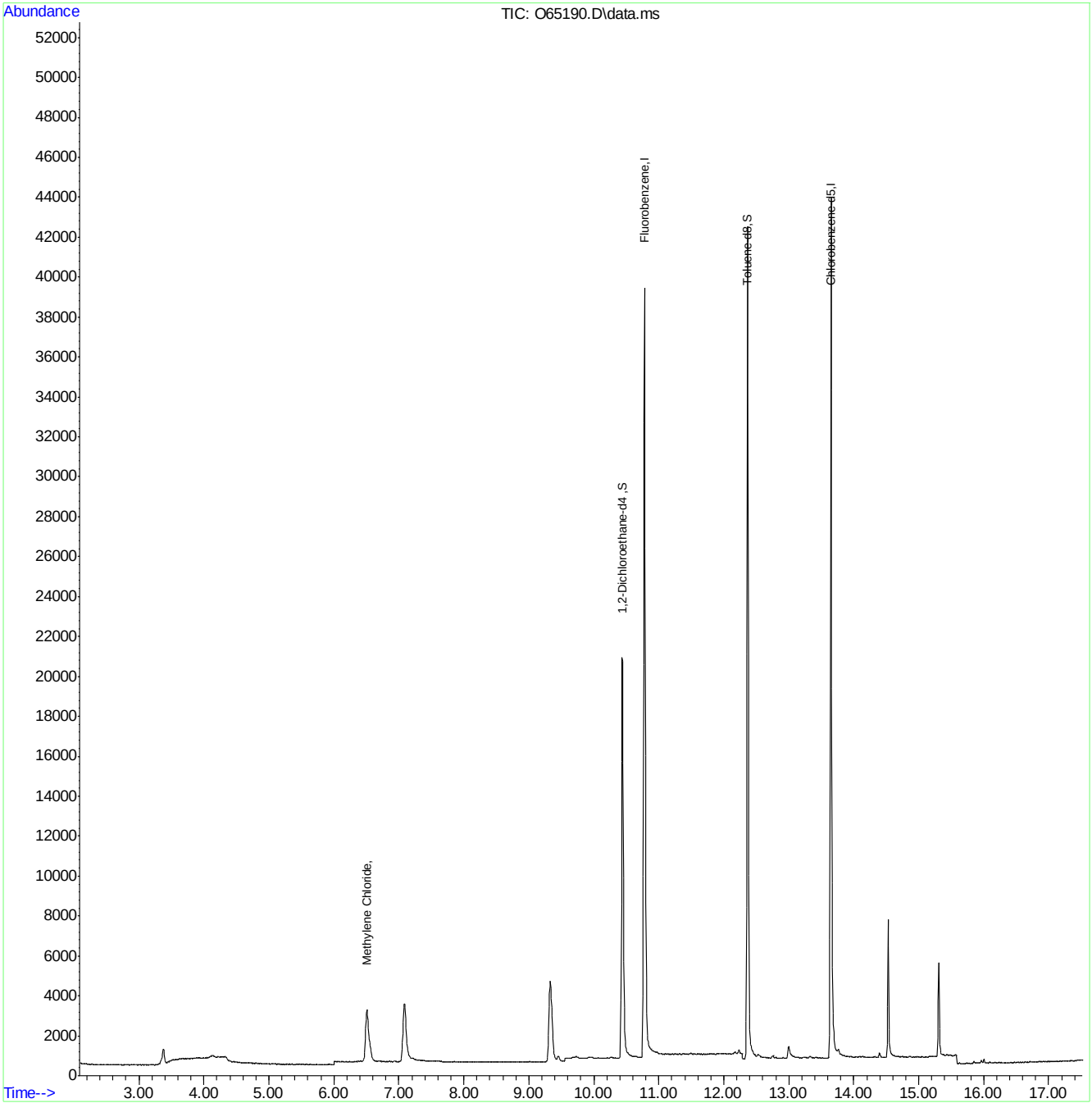
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45493	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32326	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19640	5.10	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.00%			
19) Toluene-d8	12.367	98	36956	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3861	0.31	ug/L	89

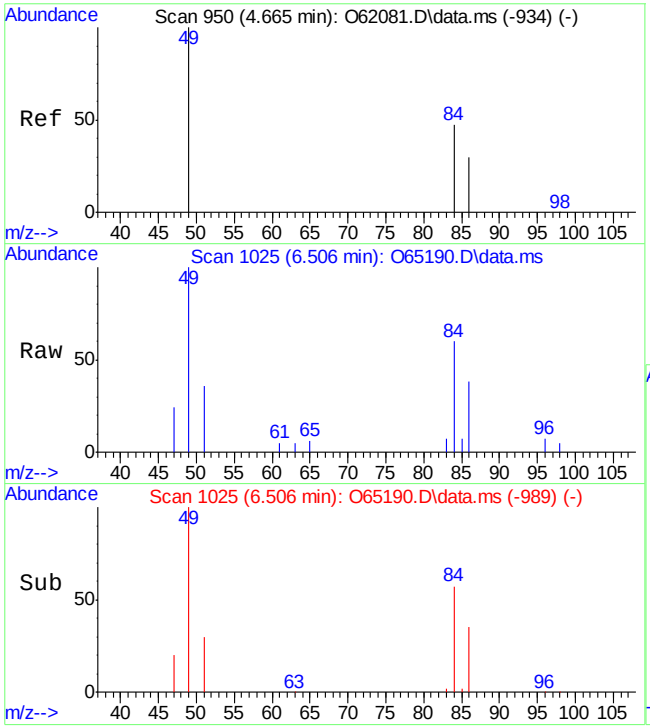
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65190.D
Acq On : 13 Sep 2021 7:44 pm
Operator : charleng
Sample : FA88736-8 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 11:00:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

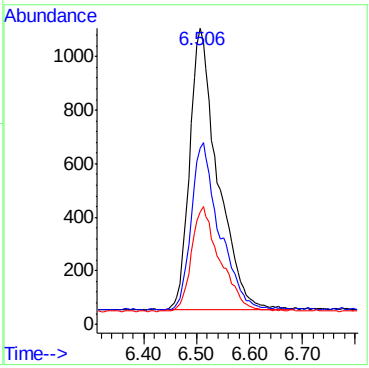




#5
Methylene Chloride
Concen: 0.31 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65190.D
Acq: 13 Sep 2021 7:44 pm

Tgt Ion: 49 Resp: 3861

Ion	Ratio	Lower	Upper
49	100		
84	57.3	35.5	95.5
86	35.1	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65191.D
Acq On : 13 Sep 2021 8:06 pm
Operator : charleng
Sample : FA88736-9 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 14 11:00:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

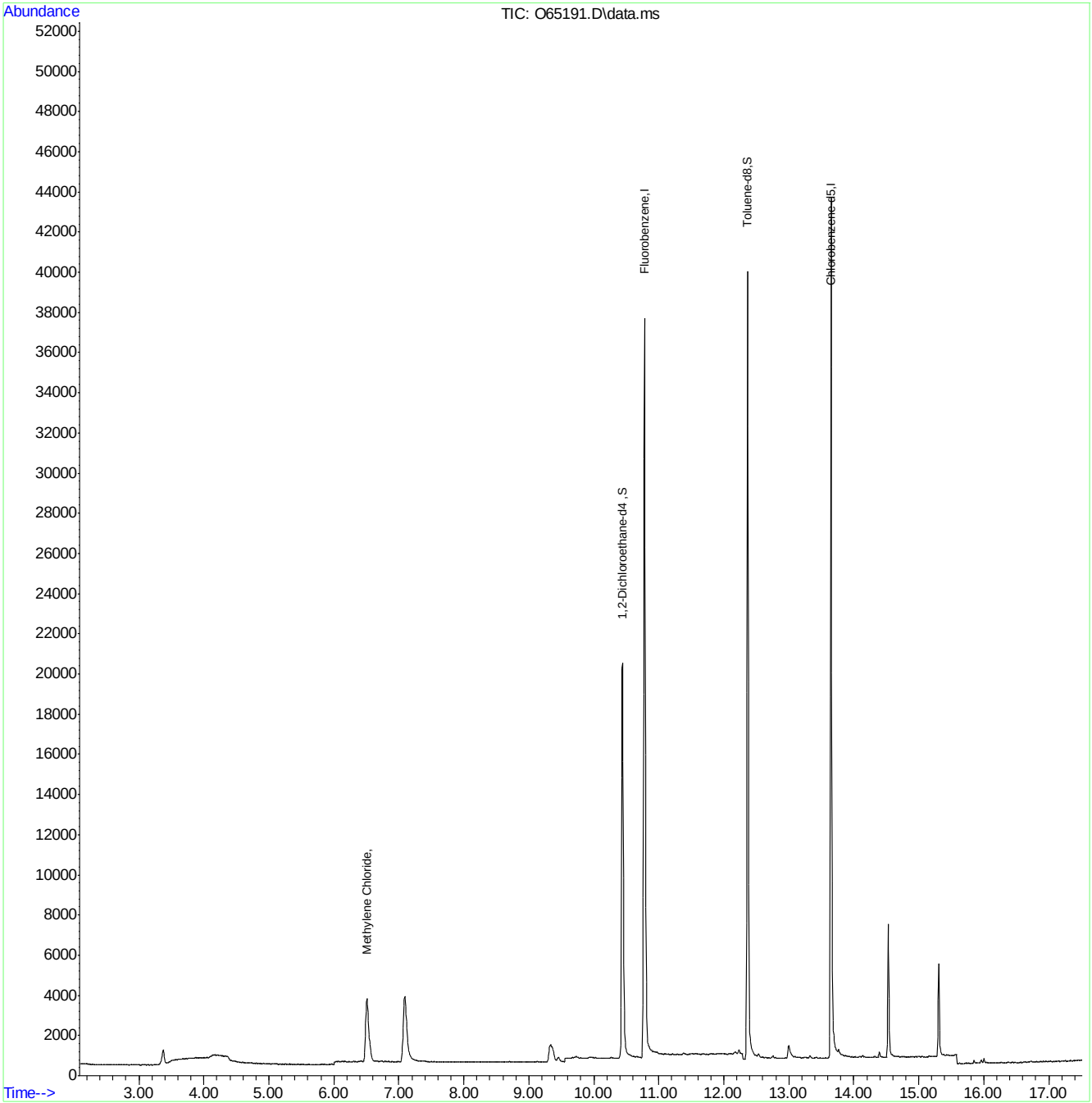
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43323	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30273	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	18843	5.14	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.80%			
19) Toluene-d8	12.367	98	34355	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4321	0.36	ug/L	90

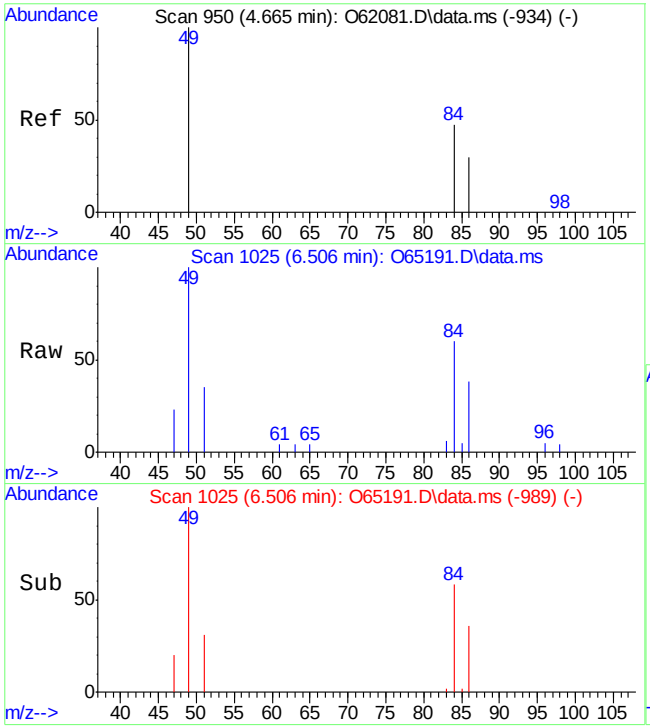
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65191.D
Acq On : 13 Sep 2021 8:06 pm
Operator : charleng
Sample : FA88736-9 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 14 11:00:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

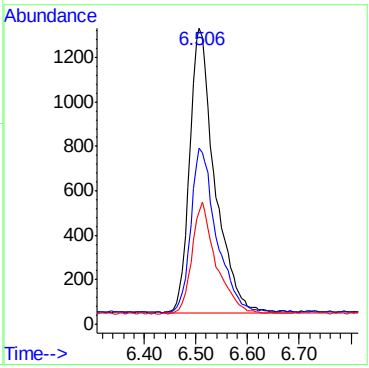




#5
Methylene Chloride
Concen: 0.36 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65191.D
Acq: 13 Sep 2021 8:06 pm

Tgt Ion: 49 Resp: 4321

Ion	Ratio	Lower	Upper
49	100		
84	58.0	35.5	95.5
86	35.6	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65192.D
Acq On : 13 Sep 2021 8:29 pm
Operator : charleng
Sample : FA88736-10 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 14 11:00:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

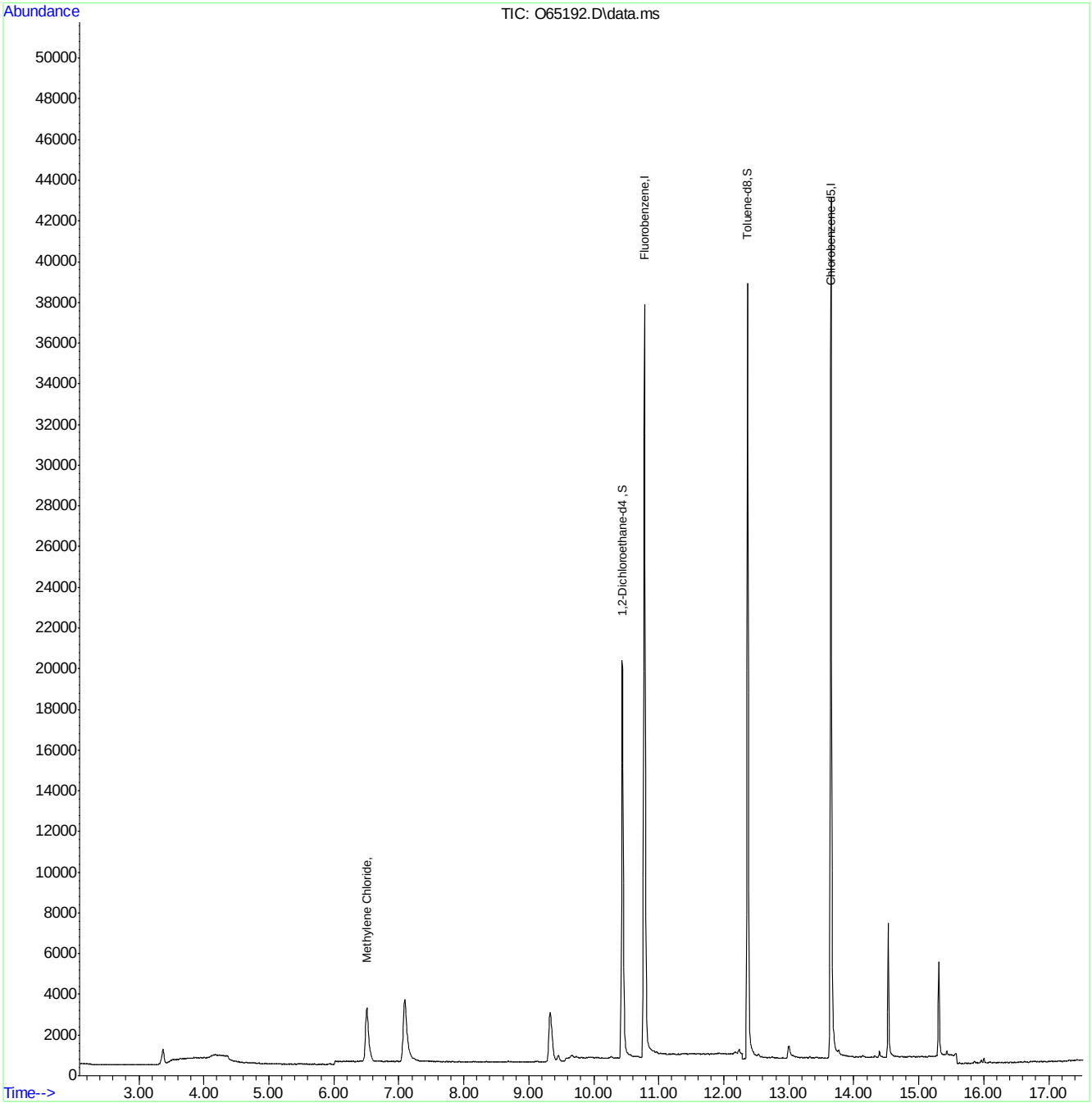
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	43237	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30128	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18841	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	34286	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3596	0.30	ug/L	89

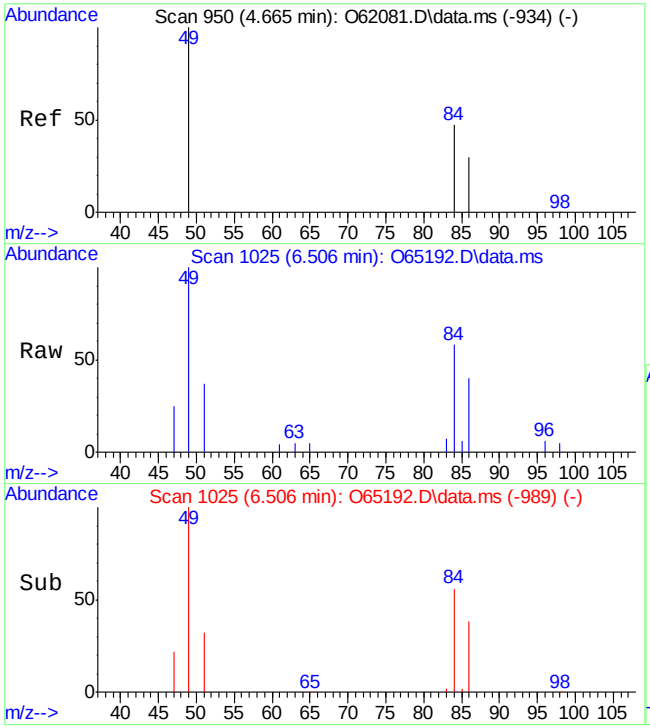
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65192.D
Acq On : 13 Sep 2021 8:29 pm
Operator : charleng
Sample : FA88736-10 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 14 11:00:54 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

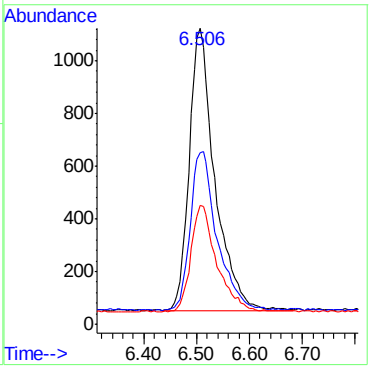




#5
Methylene Chloride
Concen: 0.30 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65192.D
Acq: 13 Sep 2021 8:29 pm

Tgt Ion: 49 Resp: 3596

Ion	Ratio	Lower	Upper
49	100		
84	55.9	35.5	95.5
86	37.5	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 11:01:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

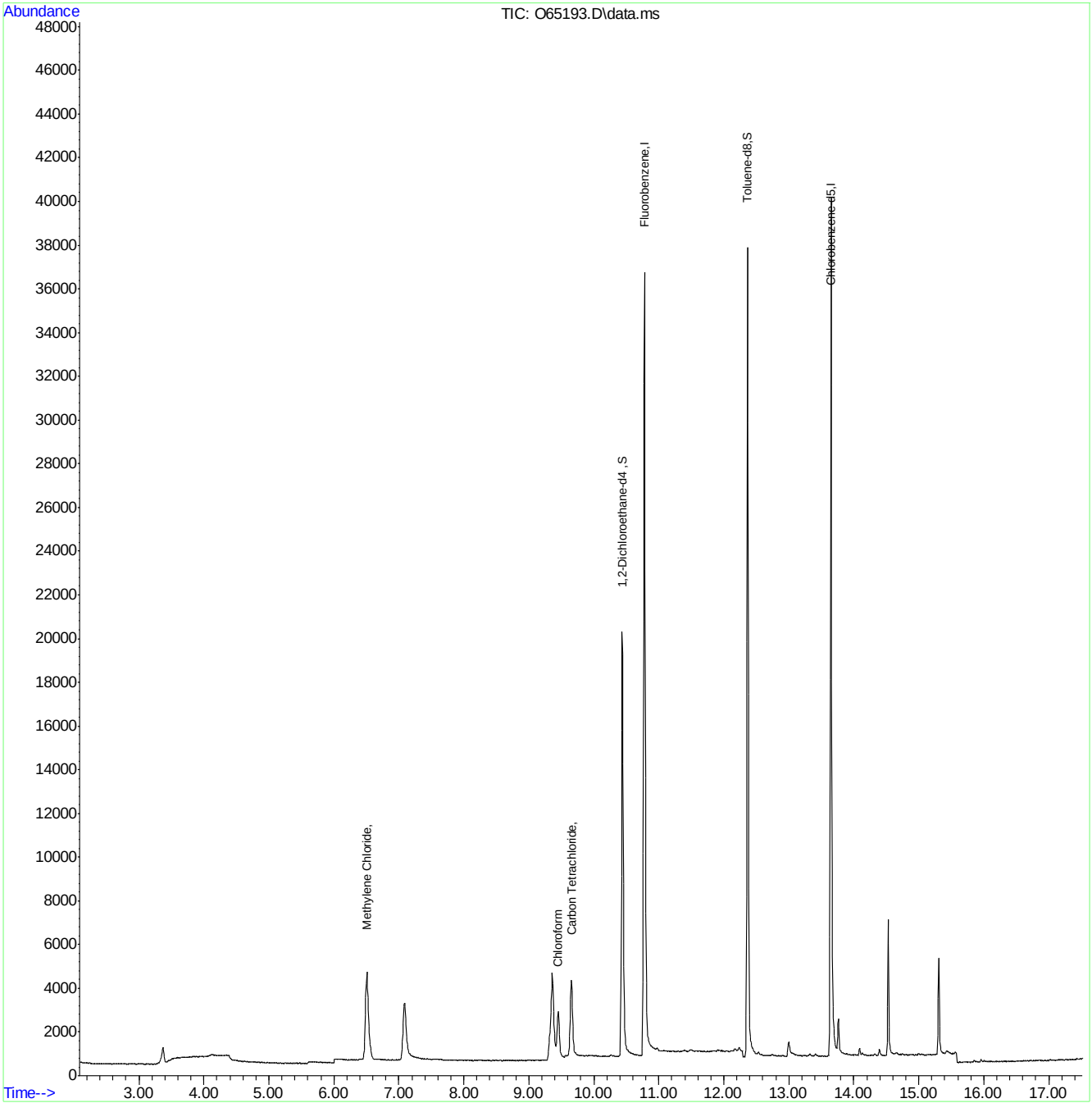
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42148	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29126	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18659	5.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%			
19) Toluene-d8	12.367	98	32958	4.84	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	5417	0.46	ug/L	88
9) Chloroform	9.450	83	2224m	0.23	ug/L	
10) Carbon Tetrachloride	9.657	117	3308m	0.55	ug/L	

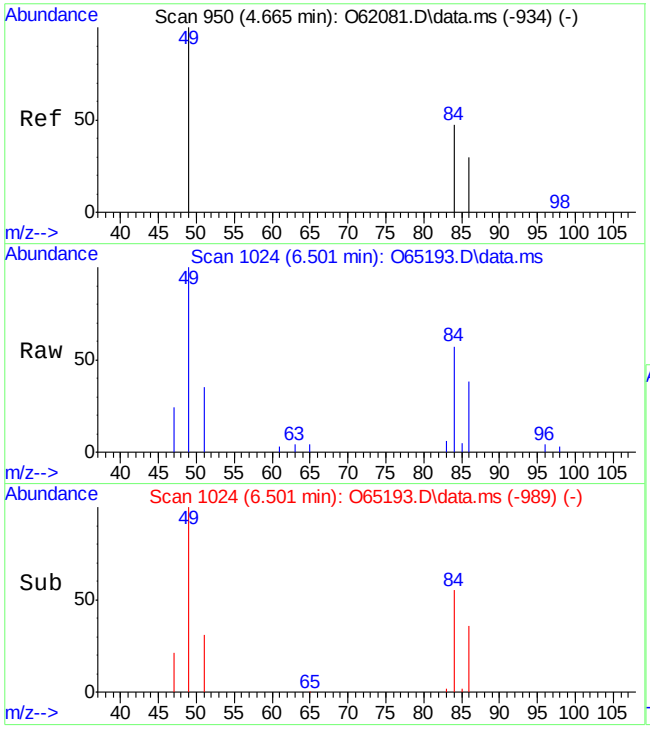
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 11:01:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

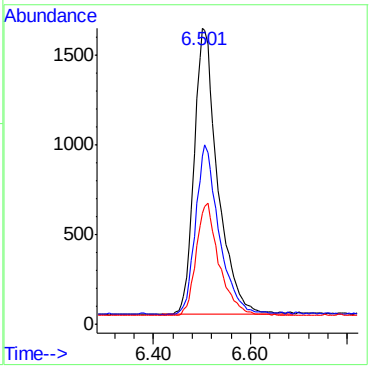


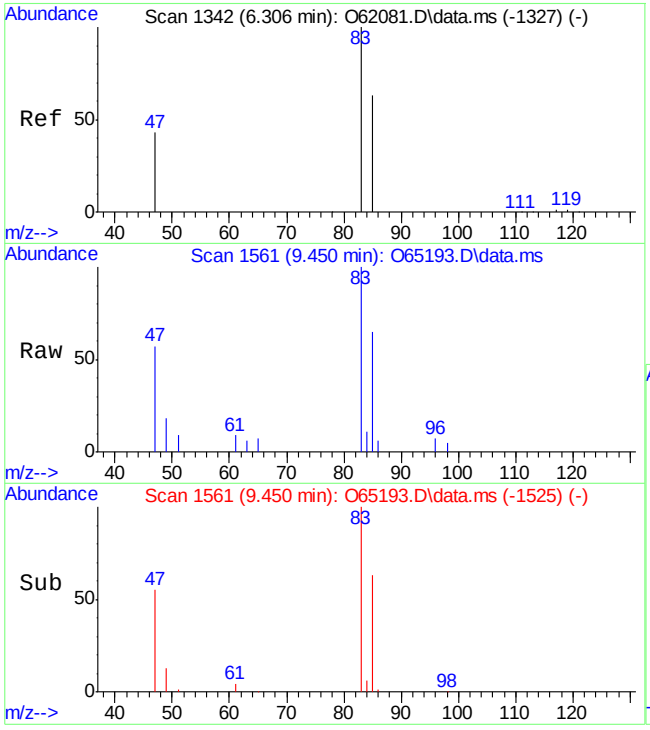


#5
Methylene Chloride
Concen: 0.46 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65193.D
Acq: 13 Sep 2021 8:52 pm

Tgt Ion: 49 Resp: 5417

Ion	Ratio	Lower	Upper
49	100		
84	55.1	35.5	95.5
86	35.9	12.8	72.8

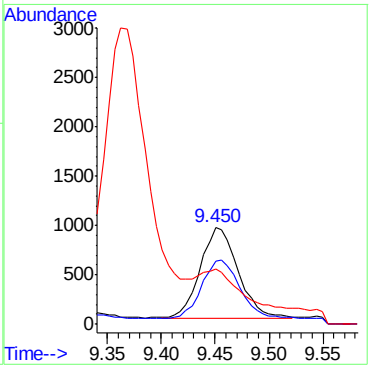


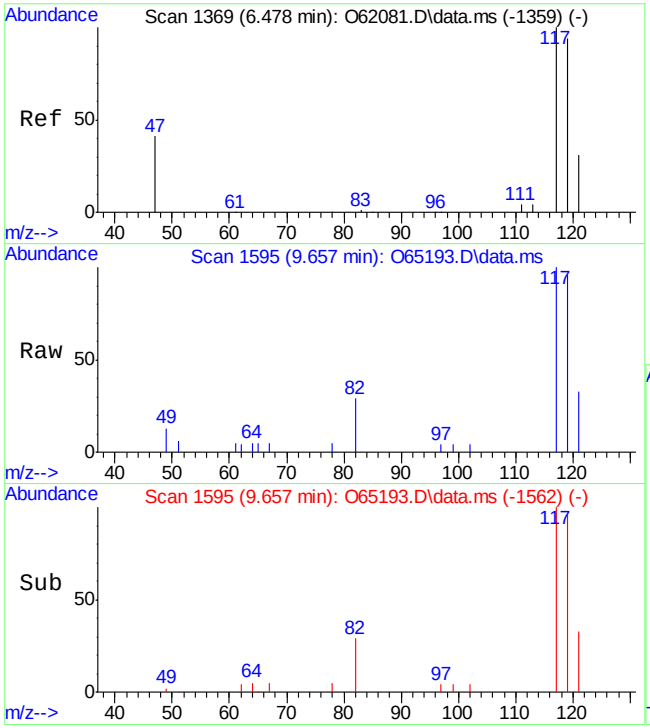


#9
Chloroform
Concen: 0.23 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65193.D
Acq: 13 Sep 2021 8:52 pm

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
85	64.8	33.7	93.7
47	57.1	5.1	65.1

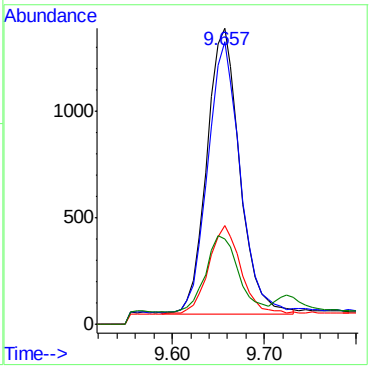




#10
Carbon Tetrachloride
Concen: 0.55 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65193.D
Acq: 13 Sep 2021 8:52 pm

Tgt Ion:117 Resp: 3308

Ion	Ratio	Lower	Upper
117	100		
119	95.5	68.2	128.2
121	33.4	1.1	61.1
82	28.9	0.0	54.2



Manual Integration Approval Summary

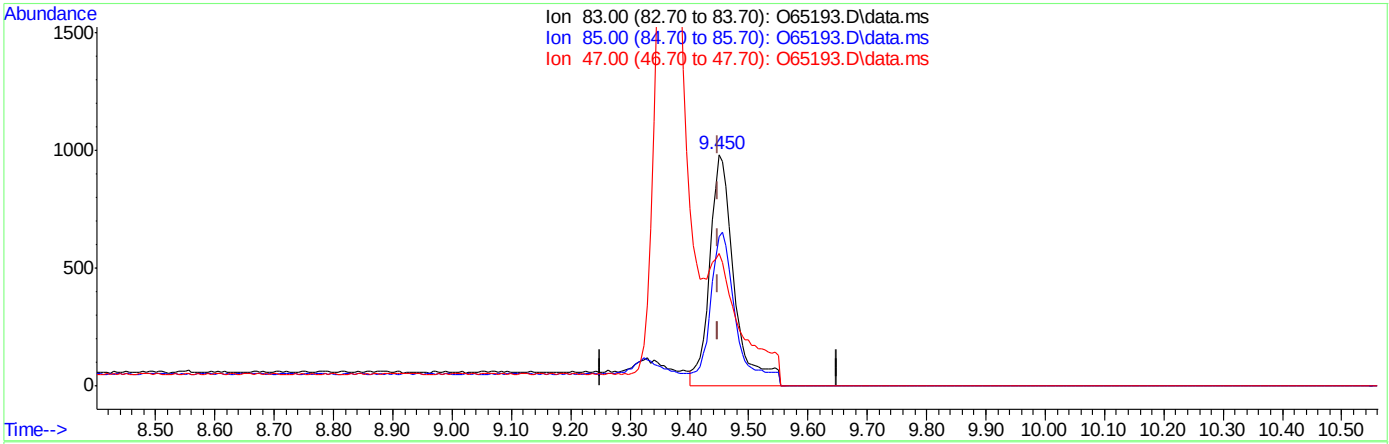
Sample Number: FA88736-11
Lab FileID: O65193.D
Injection Time: 09/13/21 20:52
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

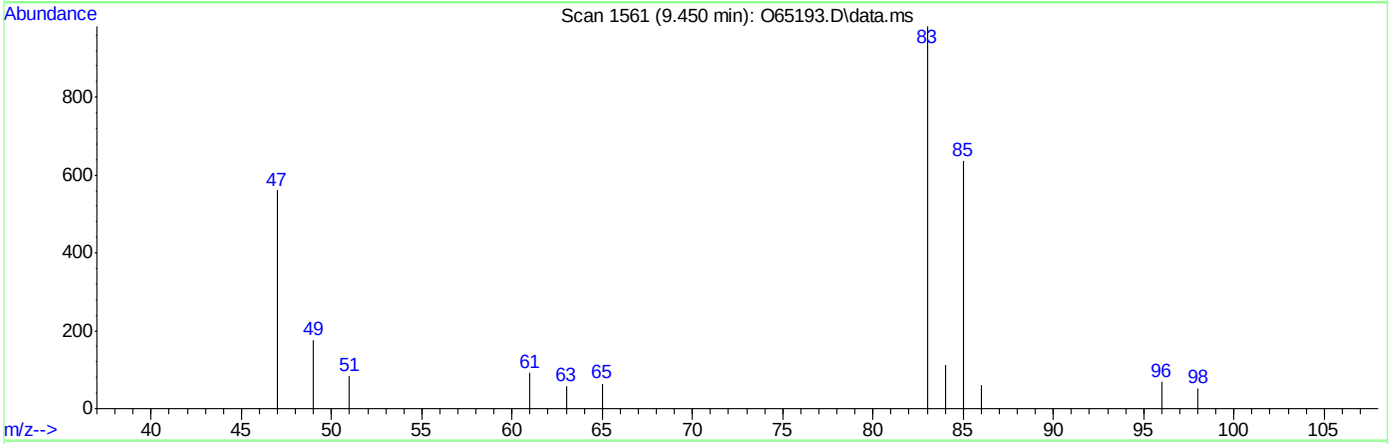
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 10:52:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65193.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.29ug/L

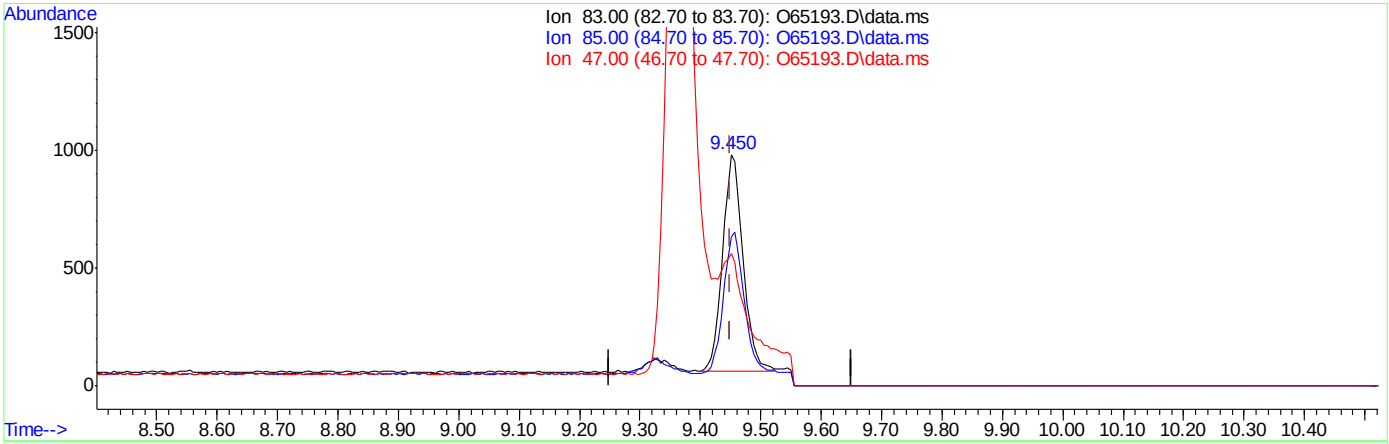
response 2823

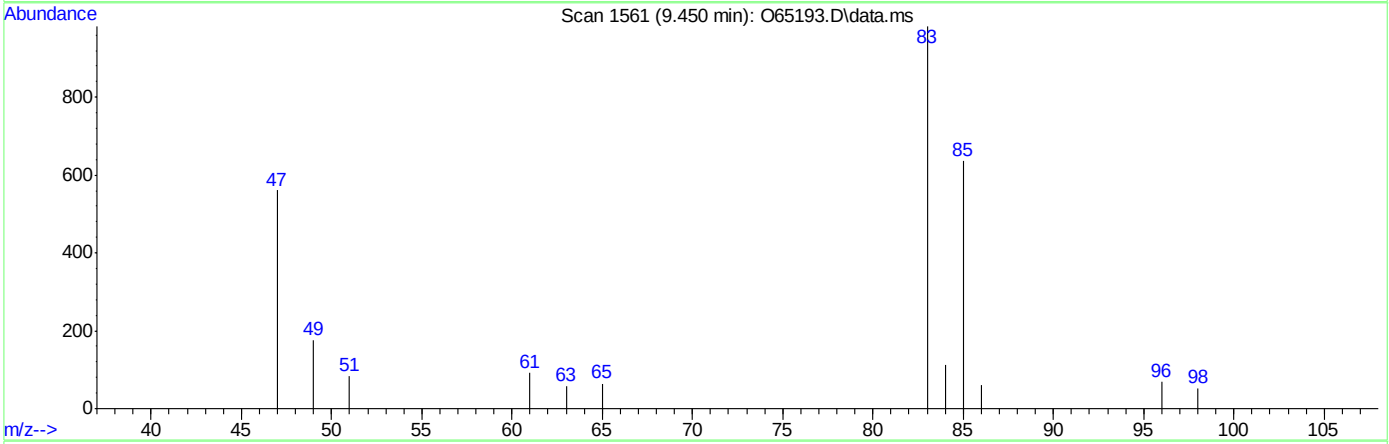
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.77
47.00	35.10	57.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 10:52:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65193.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.23ug/L m

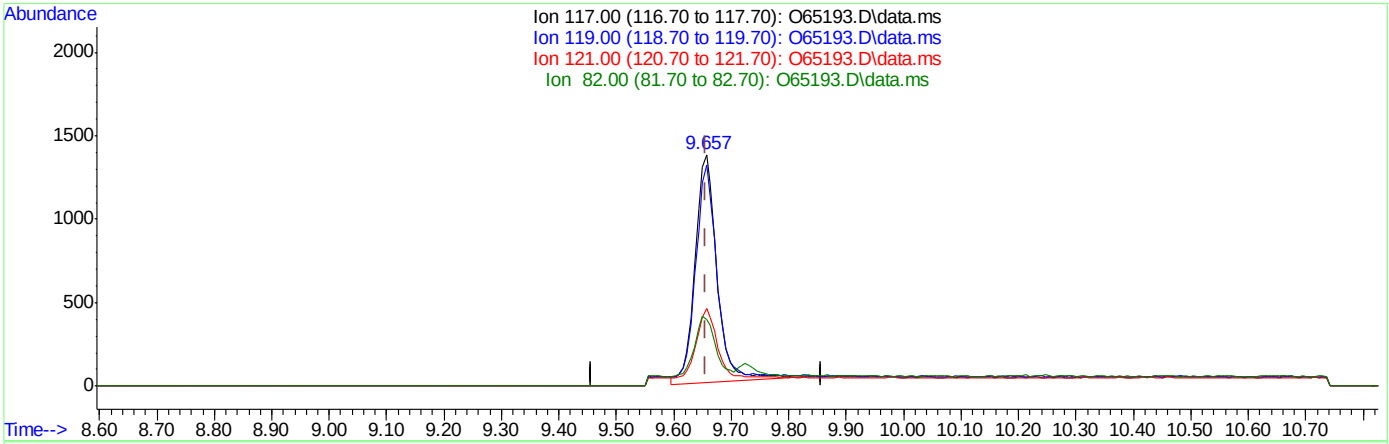
response 2224

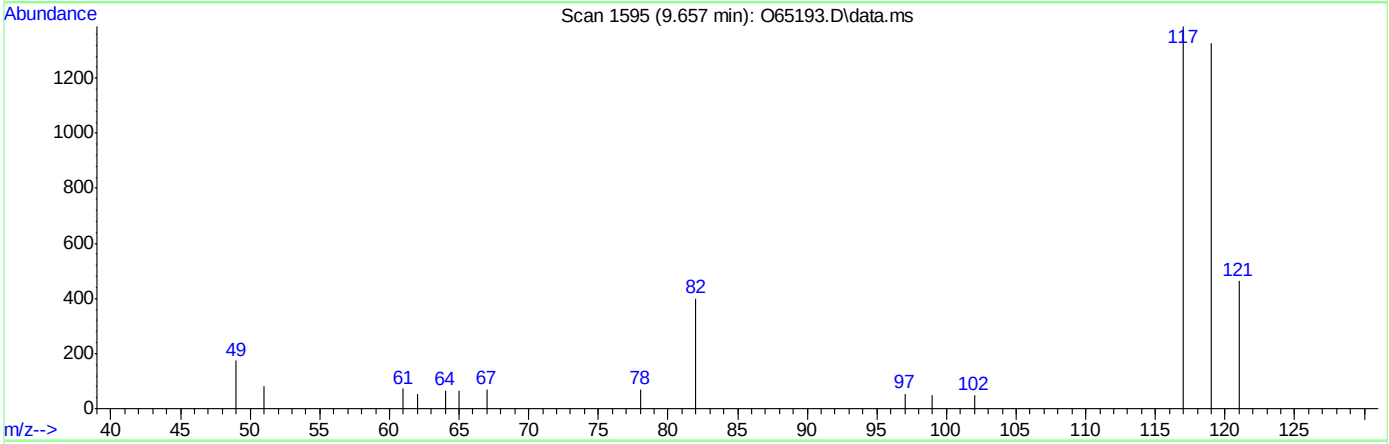
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.77
47.00	35.10	57.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 10:52:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65193.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.60ug/L

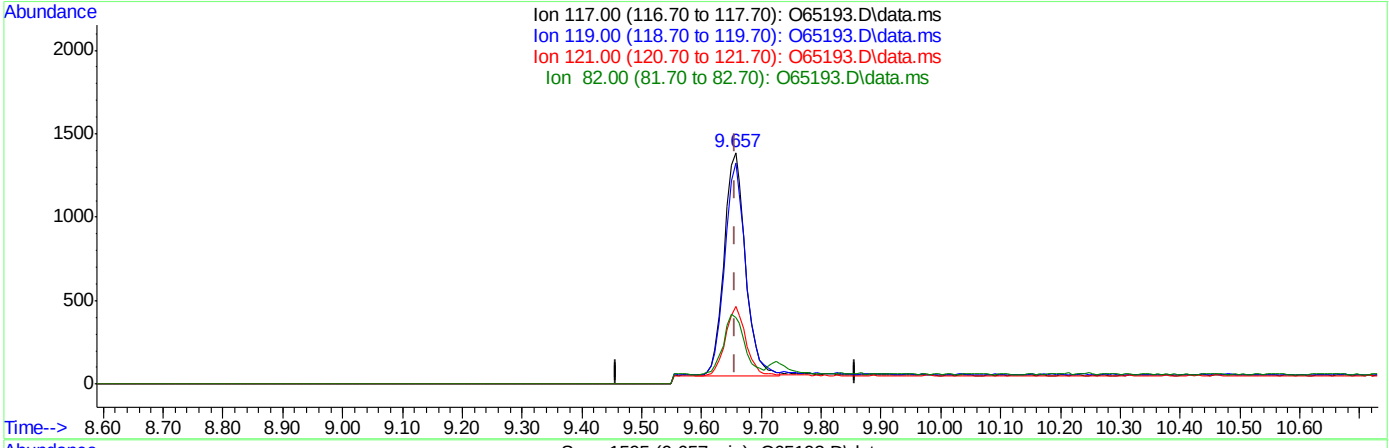
response 3613

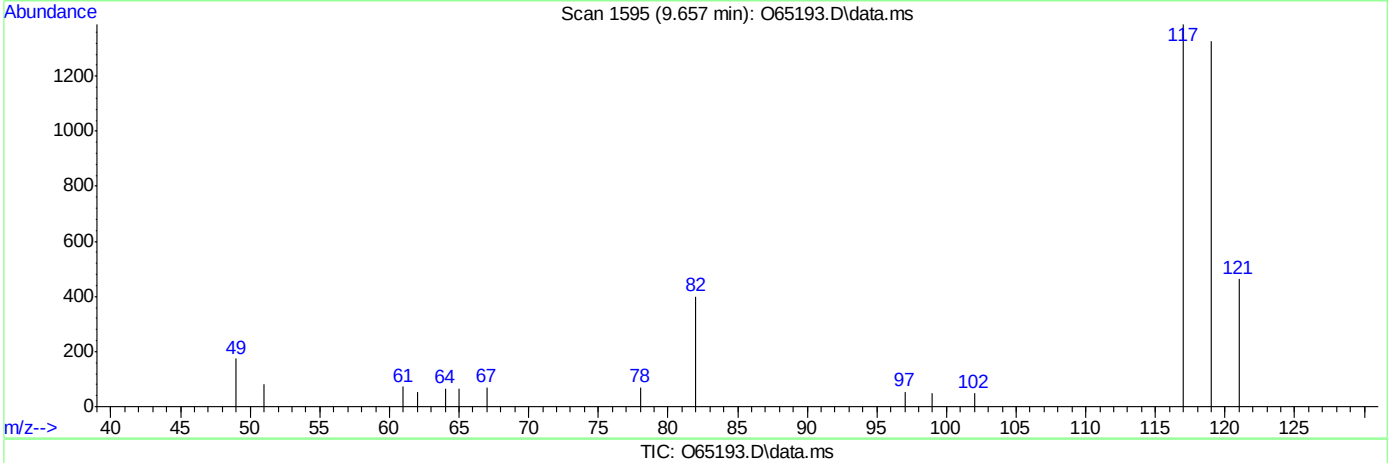
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.05
121.00	31.10	30.91
82.00	24.20	25.88

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65193.D
Acq On : 13 Sep 2021 8:52 pm
Operator : charleng
Sample : FA88736-11 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 10:52:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65193.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.55ug/L m

response 3308

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.53
121.00	31.10	33.43
82.00	24.20	28.89

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 11:01:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

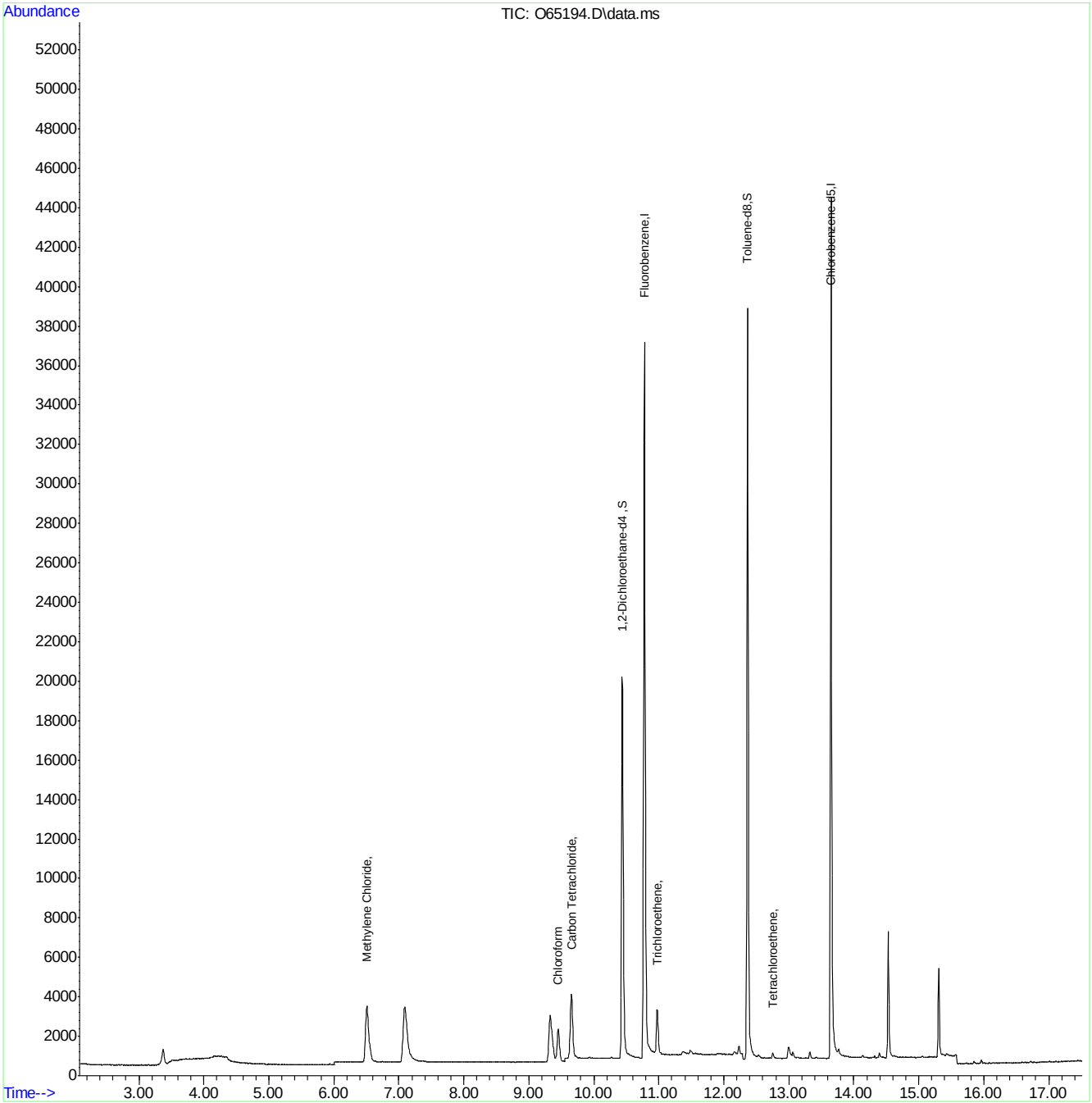
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42522	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30007	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18699	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	33686	4.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	3933	0.33	ug/L	91
9) Chloroform	9.450	83	1881m	0.19	ug/L	
10) Carbon Tetrachloride	9.657	117	3131m	0.52	ug/L	
15) Trichloroethene	10.974	95	1145	0.21	ug/L	95
21) Tetrachloroethene	12.758	166	124	0.03	ug/L	96

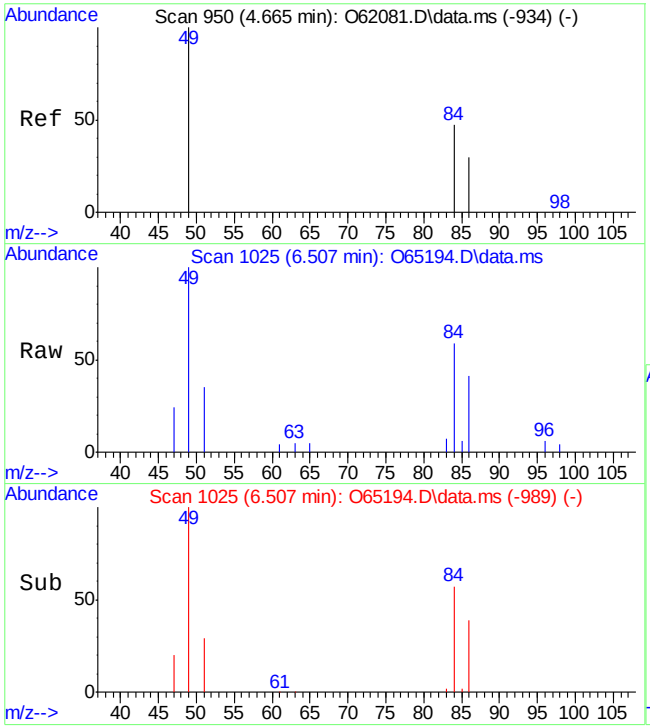
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 11:01:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

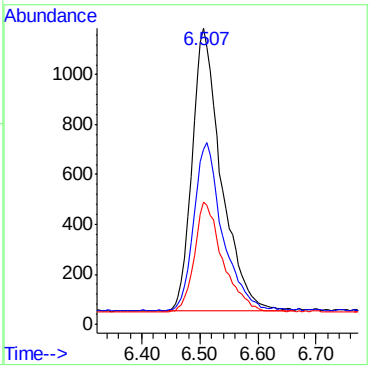


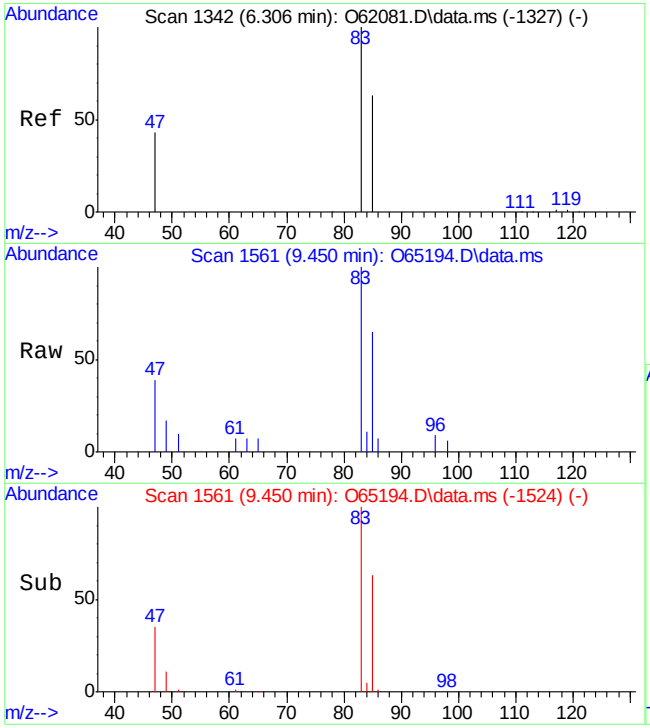


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. -0.000 min
Lab File: O65194.D
Acq: 13 Sep 2021 9:15 pm

Tgt Ion: 49 Resp: 3933

Ion	Ratio	Lower	Upper
49	100		
84	57.2	35.5	95.5
86	39.1	12.8	72.8

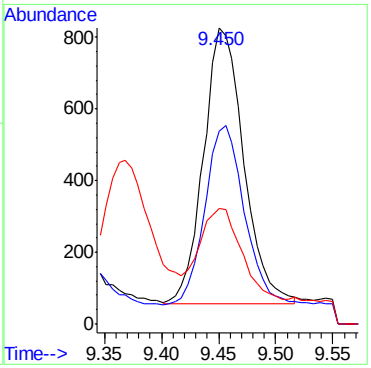


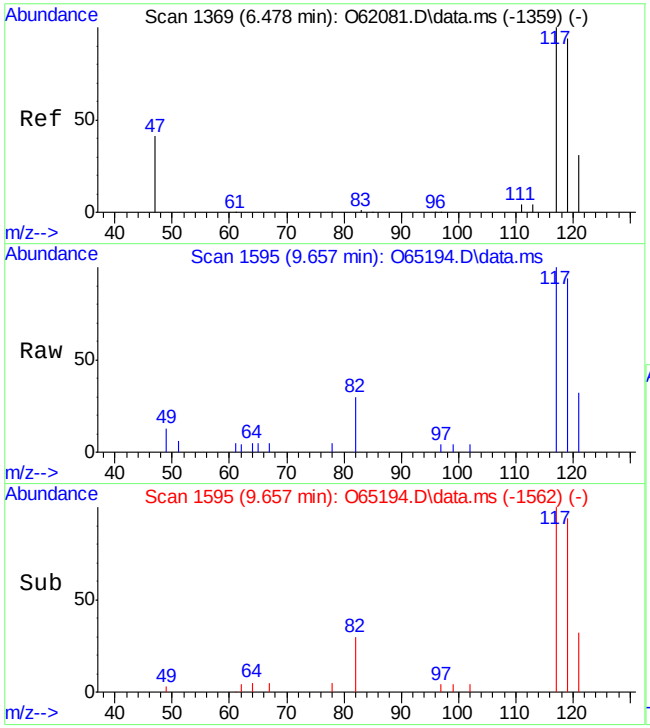


#9
Chloroform
Concen: 0.19 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.001 min
Lab File: O65194.D
Acq: 13 Sep 2021 9:15 pm

Tgt Ion: 83 Resp: 1881

Ion	Ratio	Lower	Upper
83	100		
85	65.1	33.7	93.7
47	39.1	5.1	65.1

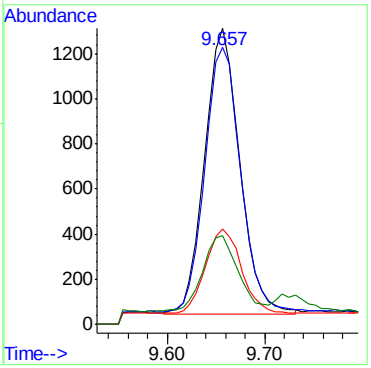


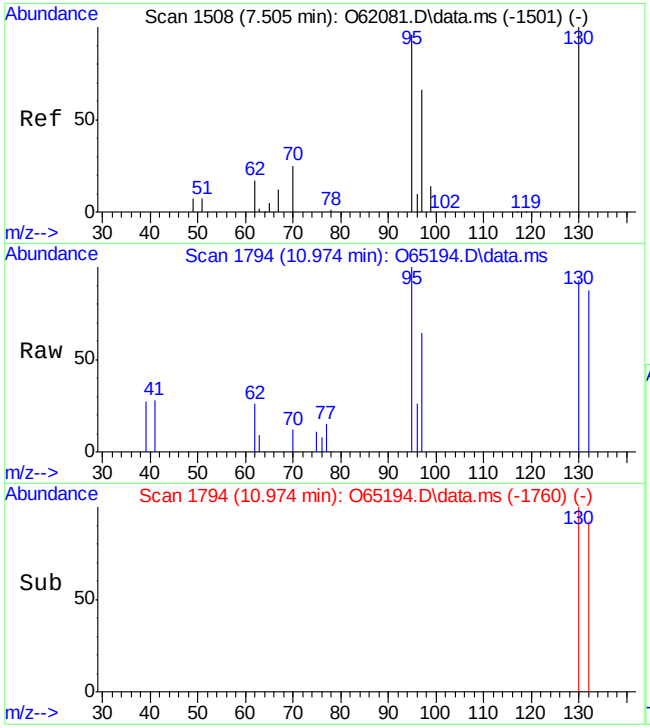


#10
Carbon Tetrachloride
Concen: 0.52 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65194.D
Acq: 13 Sep 2021 9:15 pm

Tgt Ion:117 Resp: 3131

Ion	Ratio	Lower	Upper
117	100		
119	93.8	68.2	128.2
121	32.2	1.1	61.1
82	29.9	0.0	54.2

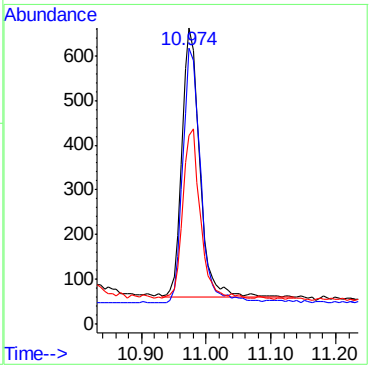


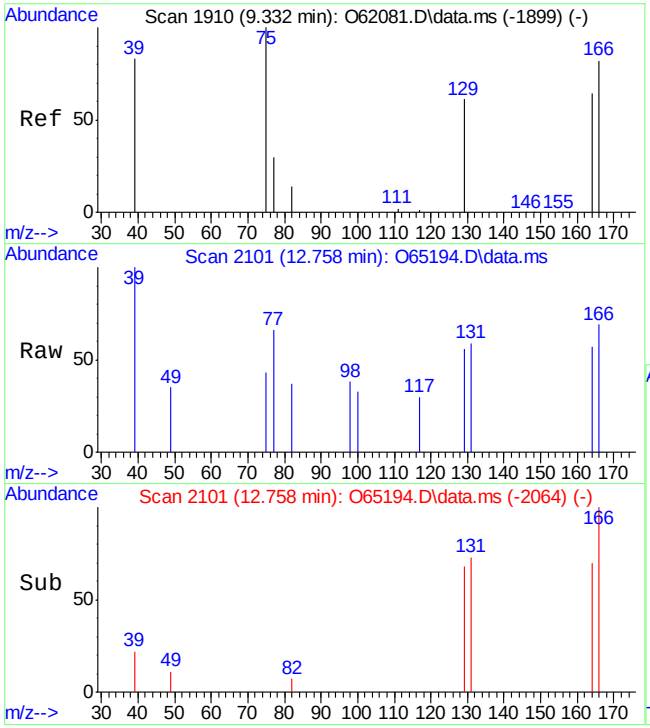


#15
Trichloroethene
Concen: 0.21 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65194.D
Acq: 13 Sep 2021 9:15 pm

Tgt Ion: 95 Resp: 1145

Ion	Ratio	Lower	Upper
95	100		
130	94.5	69.9	129.9
97	60.3	34.0	94.0

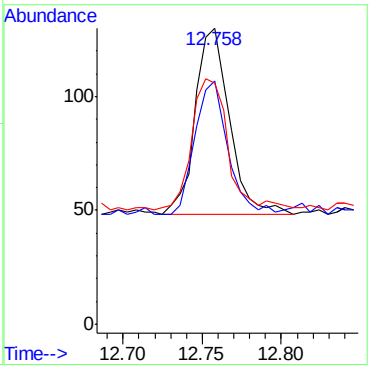




#21
Tetrachloroethene
Concen: 0.03 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65194.D
Acq: 13 Sep 2021 9:15 pm

Tgt Ion:166 Resp: 124

Ion	Ratio	Lower	Upper
166	100		
164	72.0	48.0	108.0
129	67.1	36.6	96.6



Manual Integration Approval Summary

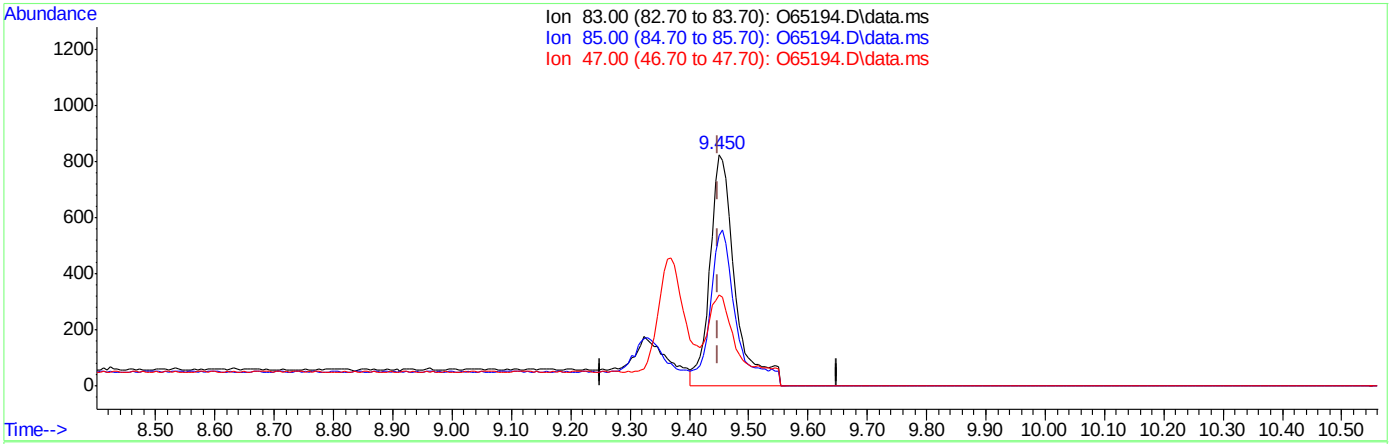
Sample Number: FA88736-12
Lab FileID: O65194.D
Injection Time: 09/13/21 21:15
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

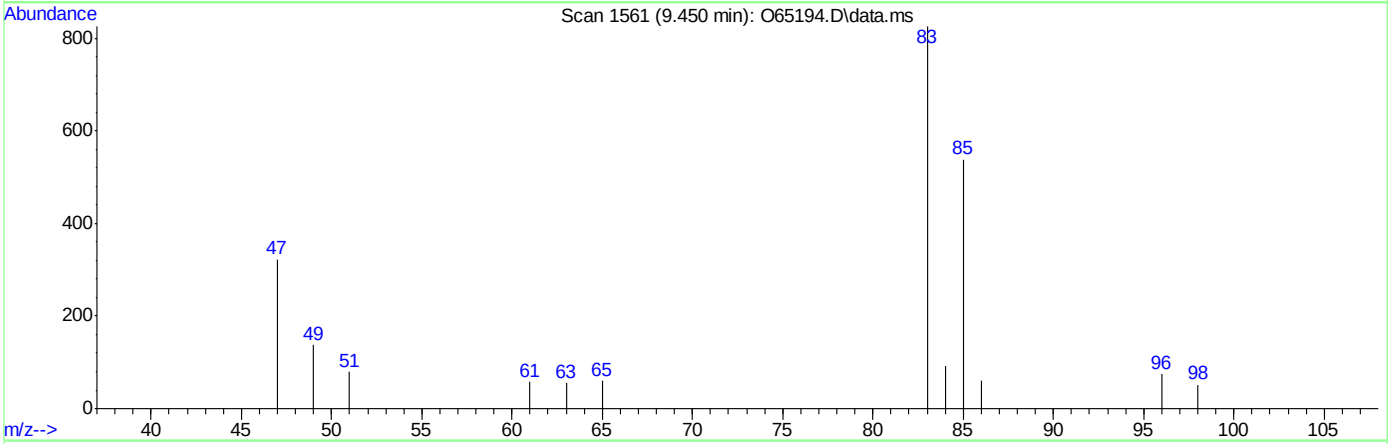
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 10:52:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65194.D\data.ms

(9) Chloroform

9.450min (+0.001) 0.25ug/L

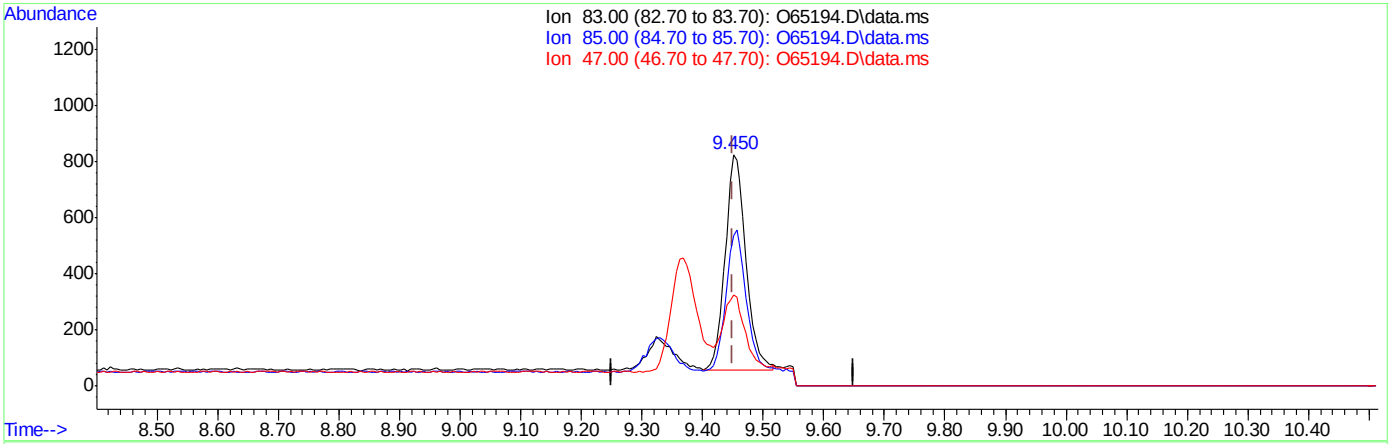
response 2432

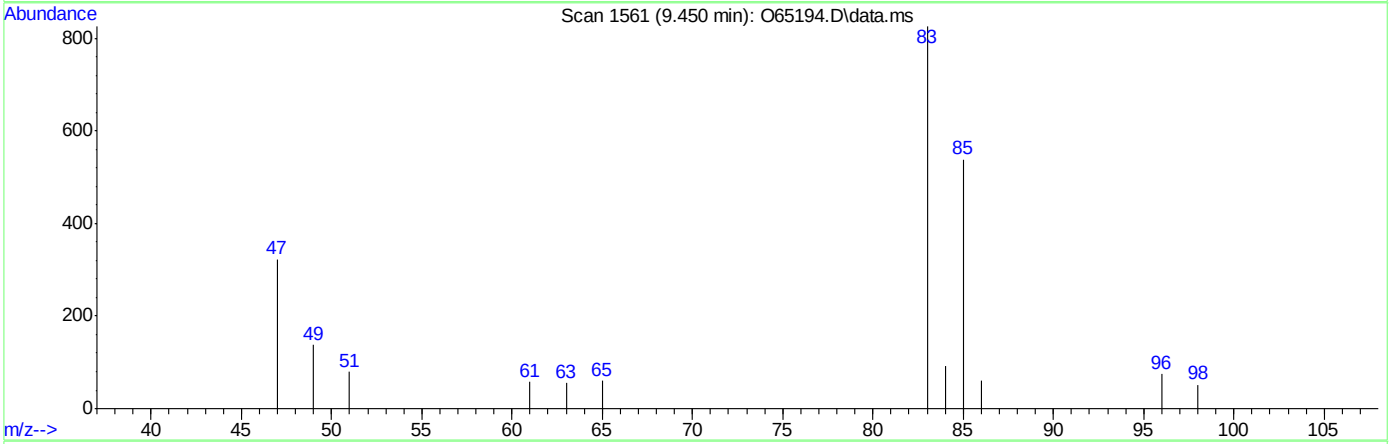
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.13
47.00	35.10	39.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 10:52:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65194.D\data.ms

(9) Chloroform

9.450min (+0.001) 0.19ug/L m

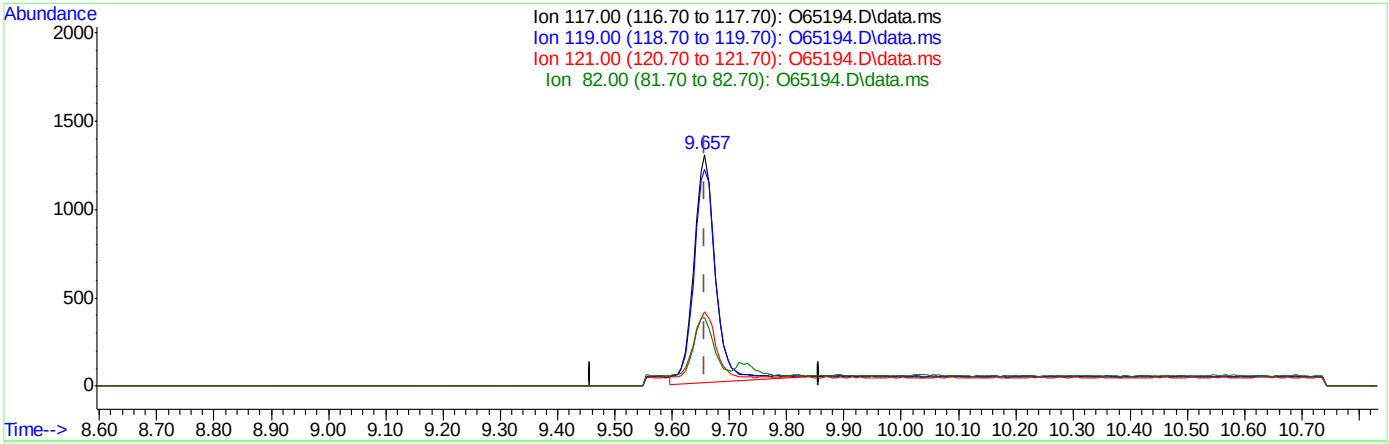
response 1881

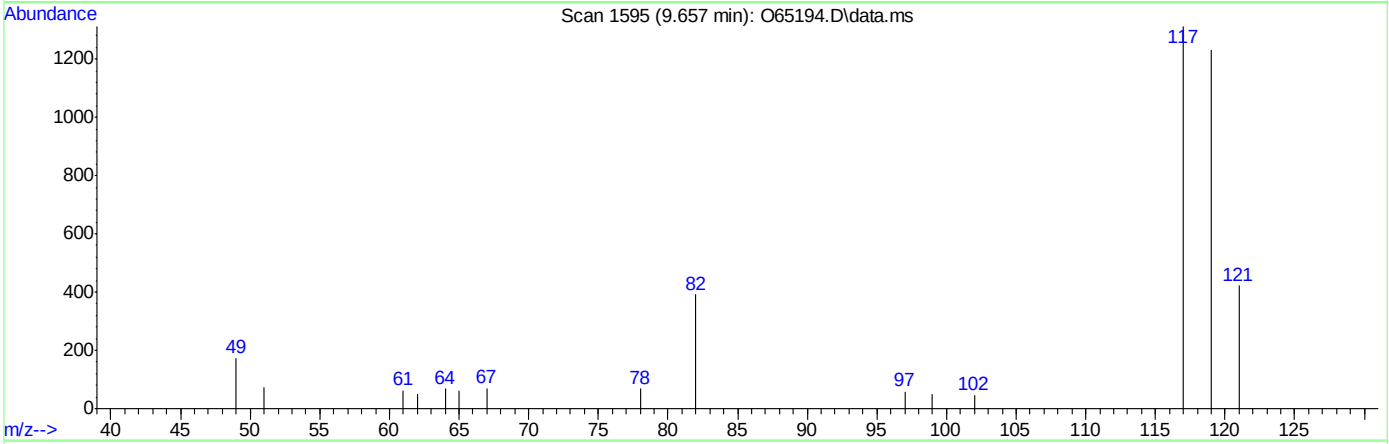
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.13
47.00	35.10	39.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 10:52:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65194.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.57ug/L

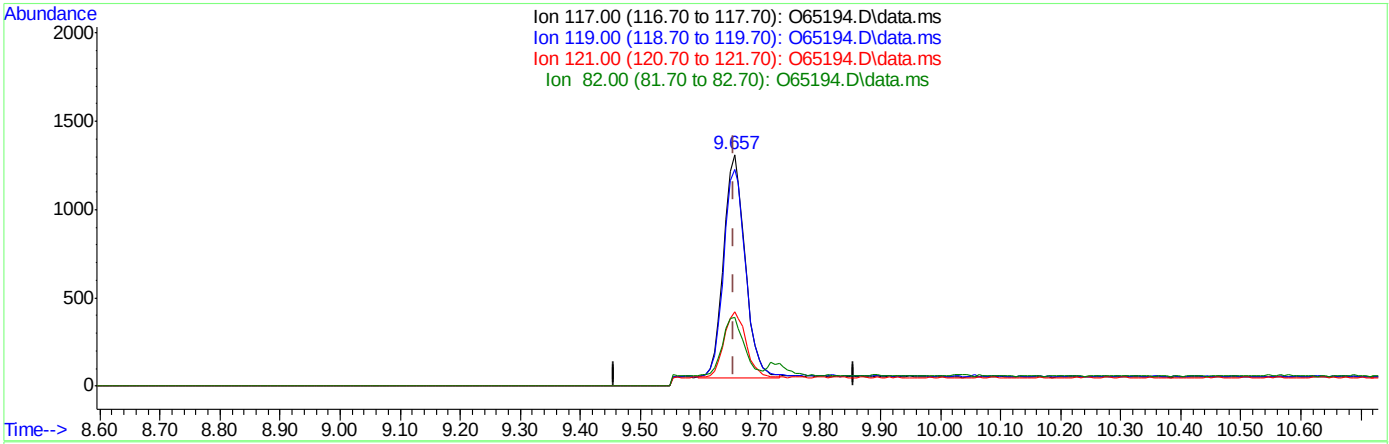
response 3433

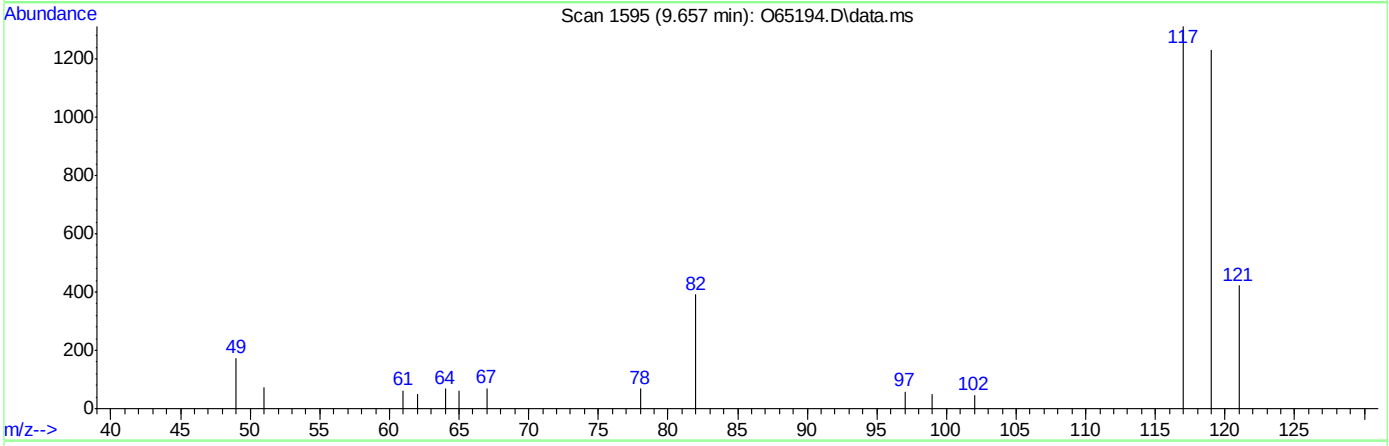
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.25
121.00	31.10	29.44
82.00	24.20	26.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65194.D
Acq On : 13 Sep 2021 9:15 pm
Operator : charleng
Sample : FA88736-12 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 10:52:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65194.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.52ug/L m

response 3131

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.75
121.00	31.10	32.16
82.00	24.20	29.88

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65195.D
Acq On : 13 Sep 2021 9:39 pm
Operator : charleng
Sample : FA88736-13 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 11:02:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

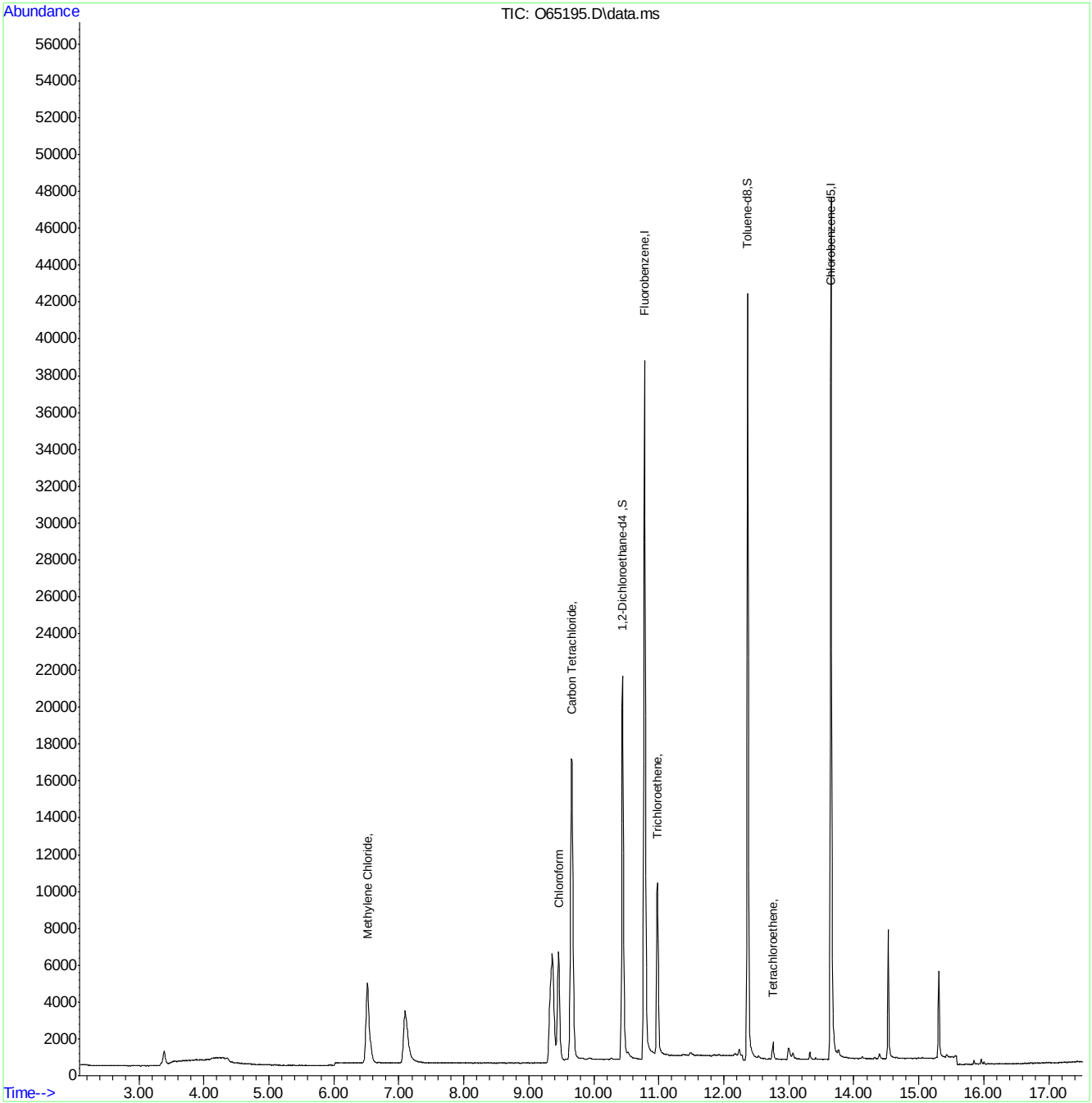
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.784	96	45785	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32671	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	20074	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	36721	4.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.517	49	6211	0.49	ug/L	95
9) Chloroform	9.456	83	6717m	0.64	ug/L	
10) Carbon Tetrachloride	9.657	117	16113	2.47	ug/L	97
15) Trichloroethene	10.980	95	4562	0.76	ug/L	95
21) Tetrachloroethene	12.758	166	405	0.08	ug/L	88

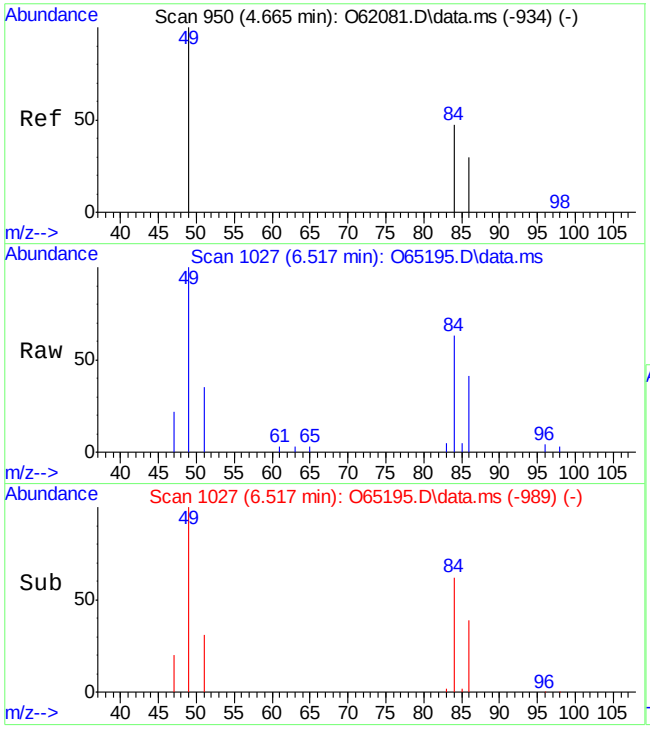
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65195.D
Acq On : 13 Sep 2021 9:39 pm
Operator : charleng
Sample : FA88736-13 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 11:02:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

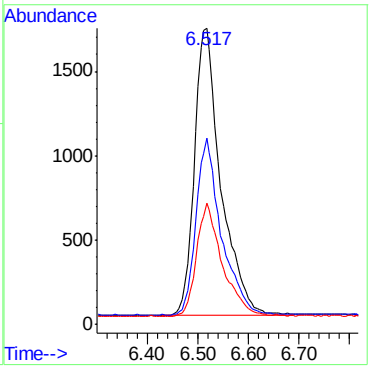


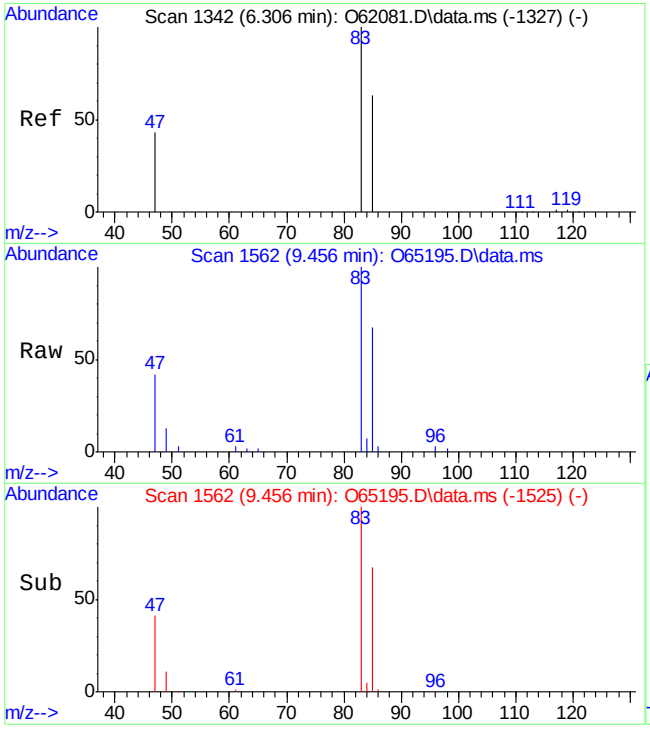


#5
Methylene Chloride
Concen: 0.49 ug/L
RT: 6.517 min Scan# 1027
Delta R.T. 0.010 min
Lab File: O65195.D
Acq: 13 Sep 2021 9:39 pm

Tgt Ion: 49 Resp: 6211

Ion	Ratio	Lower	Upper
49	100		
84	61.4	35.5	95.5
86	39.2	12.8	72.8

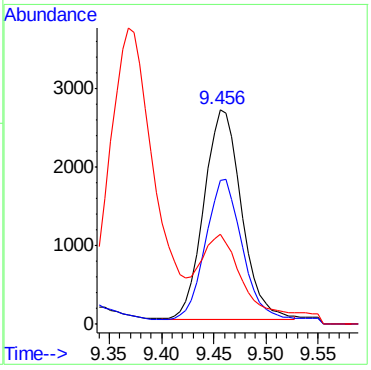


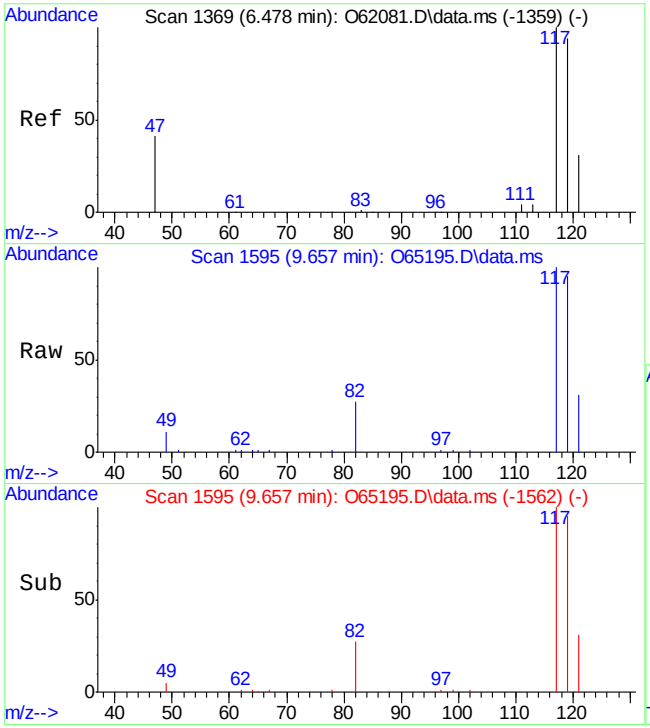


#9
Chloroform
Concen: 0.64 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65195.D
Acq: 13 Sep 2021 9:39 pm

Tgt Ion: 83 Resp: 6717

Ion	Ratio	Lower	Upper
83	100		
85	67.1	33.7	93.7
47	41.7	5.1	65.1

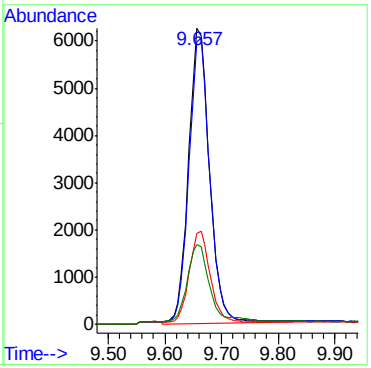


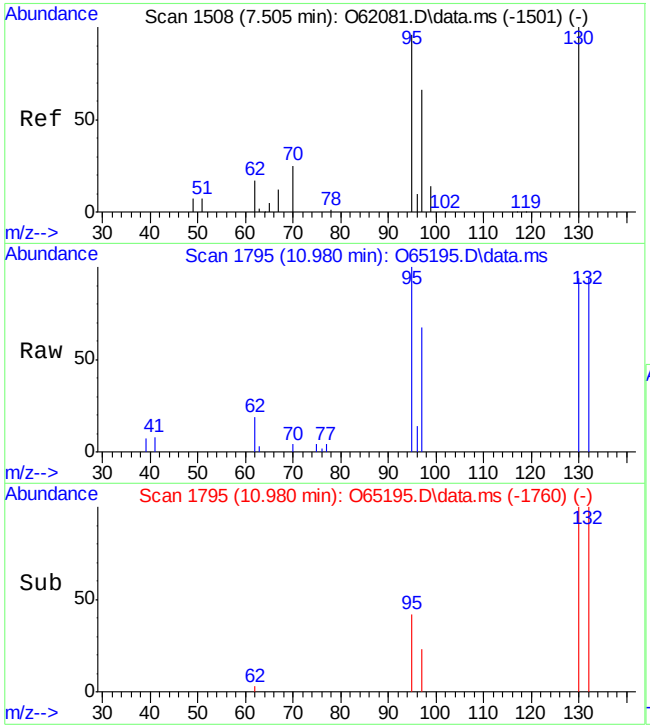


#10
Carbon Tetrachloride
Concen: 2.47 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65195.D
Acq: 13 Sep 2021 9:39 pm

Tgt Ion:117 Resp: 16113

Ion	Ratio	Lower	Upper
117	100		
119	95.3	68.2	128.2
121	30.1	1.1	61.1
82	26.3	0.0	54.2

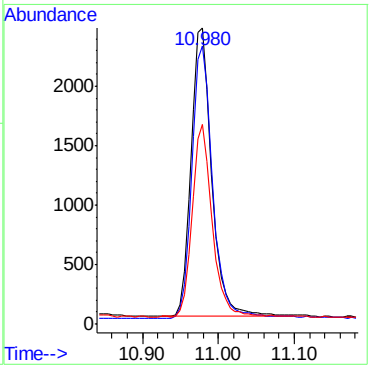


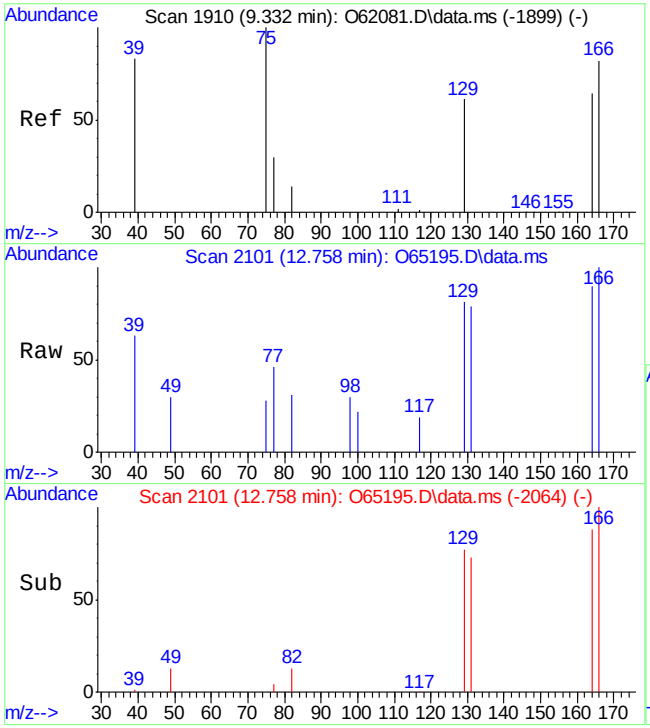


#15
Trichloroethene
Concen: 0.76 ug/L
RT: 10.980 min Scan# 1795
Delta R.T. 0.006 min
Lab File: O65195.D
Acq: 13 Sep 2021 9:39 pm

Tgt Ion: 95 Resp: 4562

Ion	Ratio	Lower	Upper
95	100		
130	94.6	69.9	129.9
97	66.6	34.0	94.0

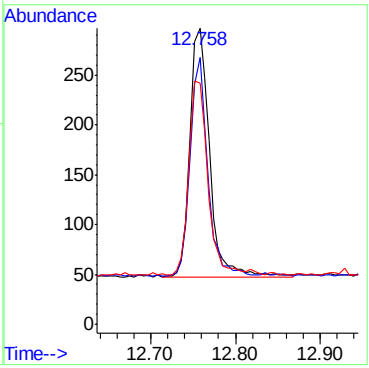




#21
Tetrachloroethene
Concen: 0.08 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65195.D
Acq: 13 Sep 2021 9:39 pm

Tgt Ion:166 Resp: 405

Ion	Ratio	Lower	Upper
166	100		
164	88.0	48.0	108.0
129	76.8	36.6	96.6



Manual Integration Approval Summary

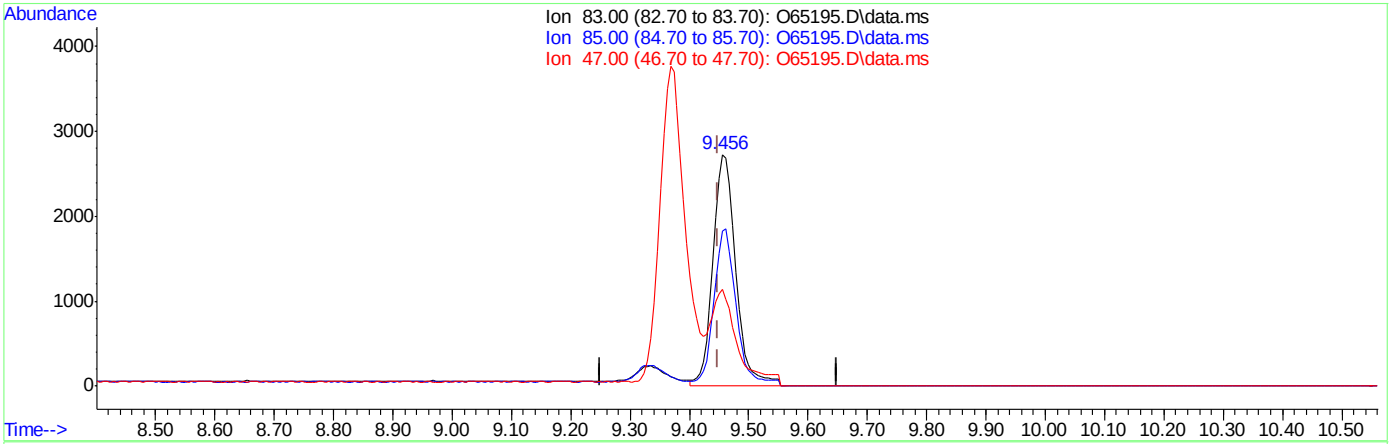
Sample Number: FA88736-13
Lab FileID: O65195.D
Injection Time: 09/13/21 21:39
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

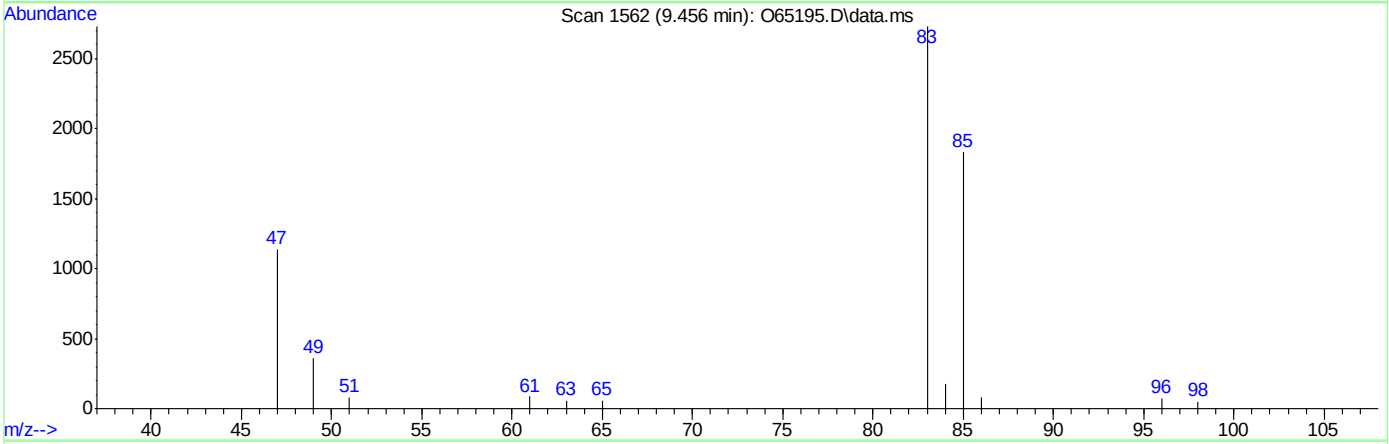
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65195.D
Acq On : 13 Sep 2021 9:39 pm
Operator : charleng
Sample : FA88736-13 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 10:52:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65195.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.69ug/L

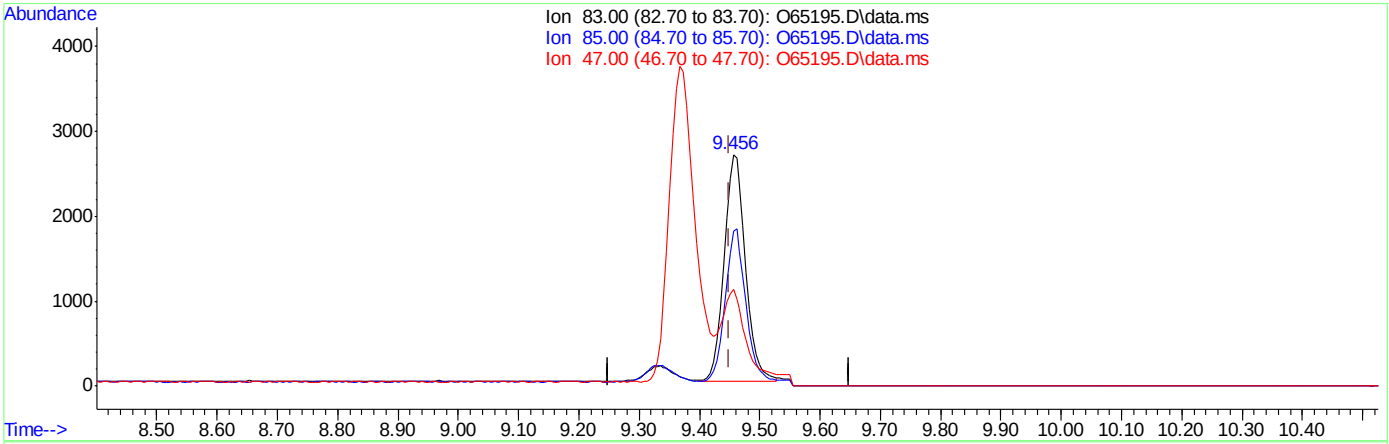
response 7308

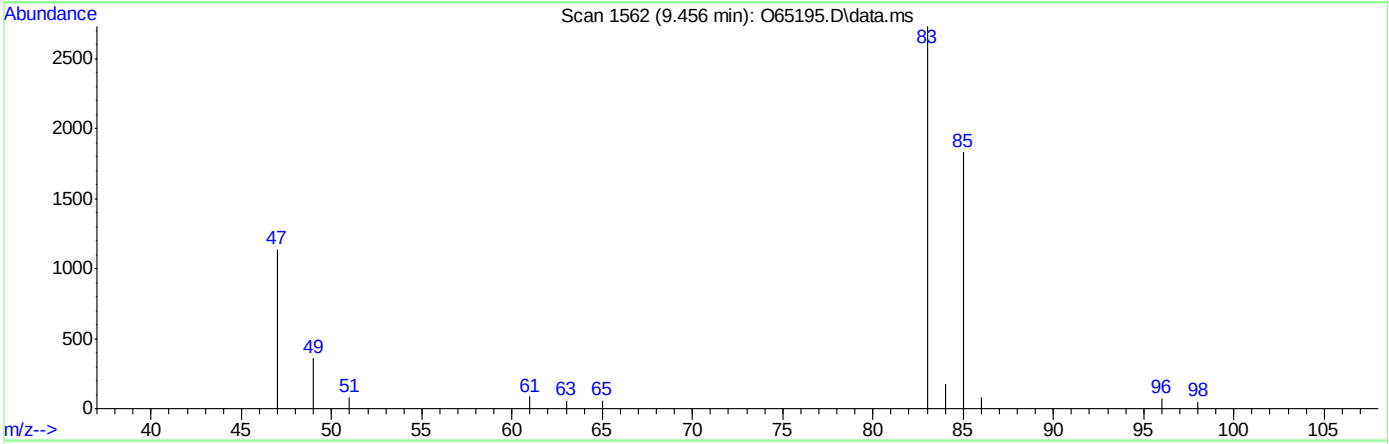
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.13
47.00	35.10	41.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65195.D
Acq On : 13 Sep 2021 9:39 pm
Operator : charleng
Sample : FA88736-13 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 10:52:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65195.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.64ug/L m

response 6717

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.13
47.00	35.10	41.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65196.D
Acq On : 13 Sep 2021 10:02 pm
Operator : charleng
Sample : FA88736-14 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 11:02:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

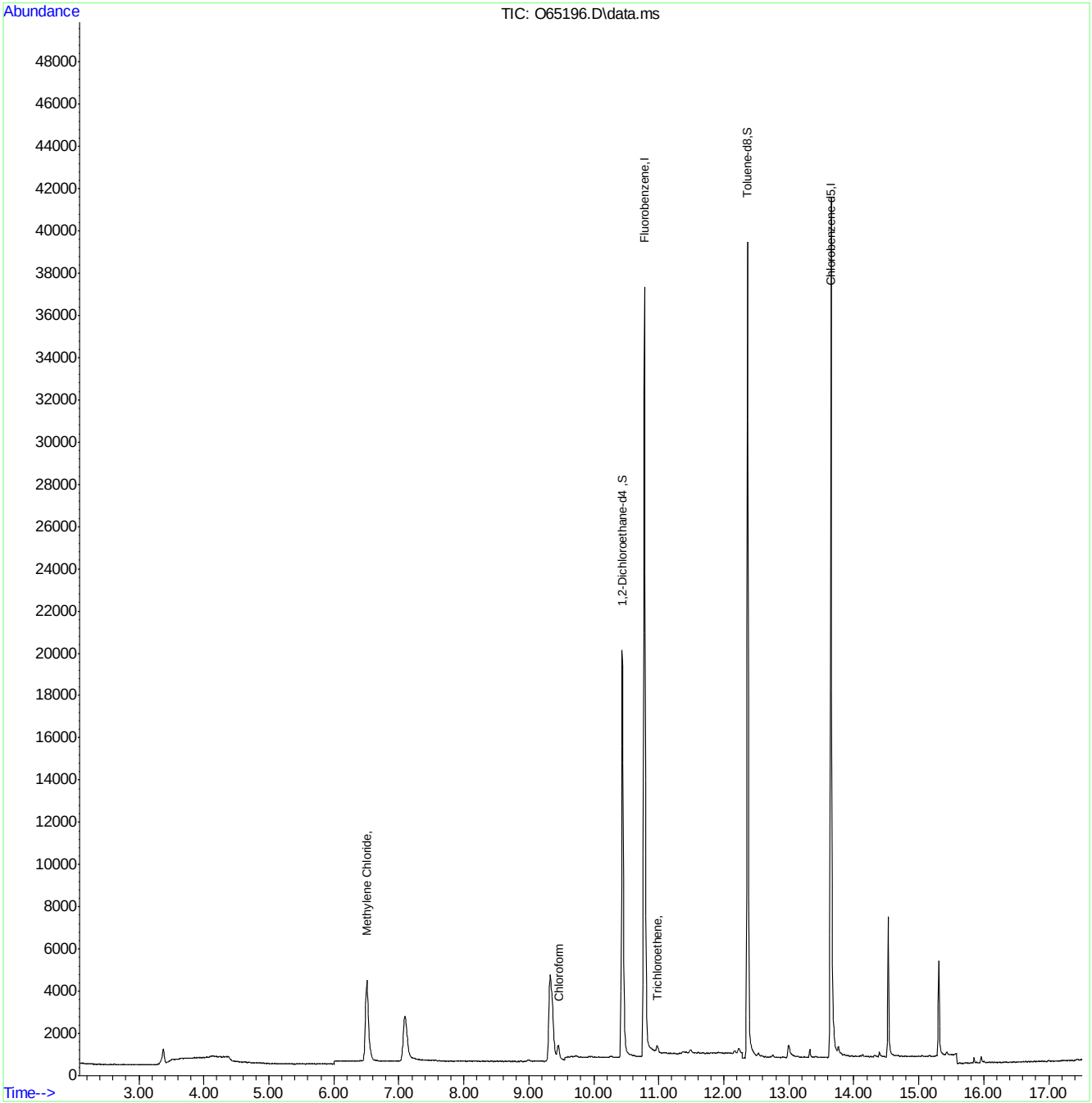
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42856	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	30474	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18790	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	35285	4.96	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	5052	0.42	ug/L	92
9) Chloroform	9.456	83	727m	0.07	ug/L	
15) Trichloroethene	10.974	95	168	0.03	ug/L	93

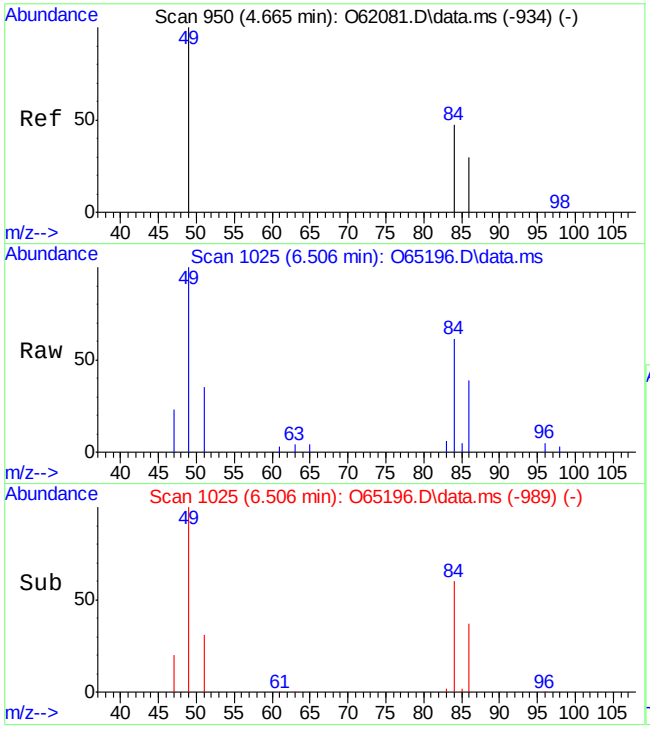
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65196.D
Acq On : 13 Sep 2021 10:02 pm
Operator : charleng
Sample : FA88736-14 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 11:02:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

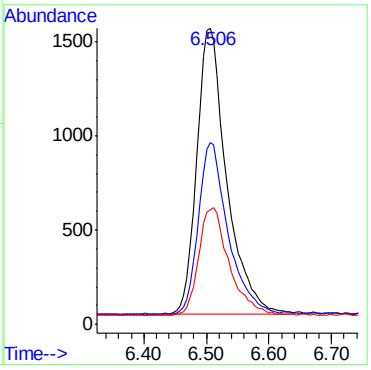


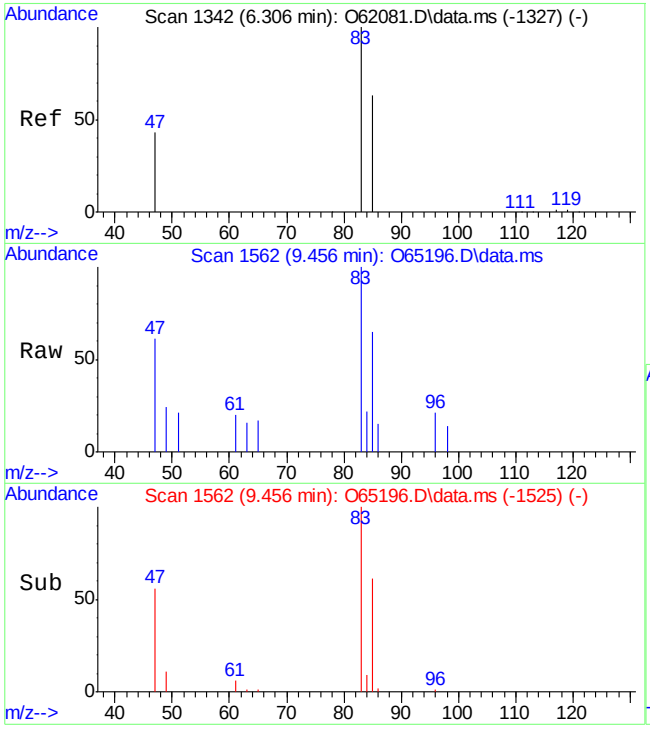


#5
Methylene Chloride
Concen: 0.42 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65196.D
Acq: 13 Sep 2021 10:02 pm

Tgt Ion: 49 Resp: 5052

Ion	Ratio	Lower	Upper
49	100		
84	59.7	35.5	95.5
86	36.9	12.8	72.8

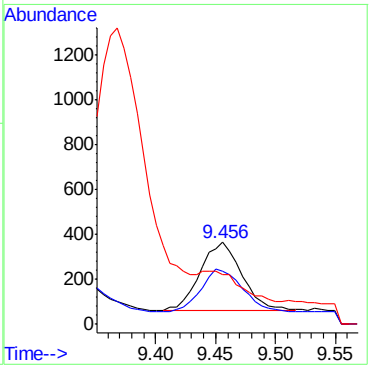


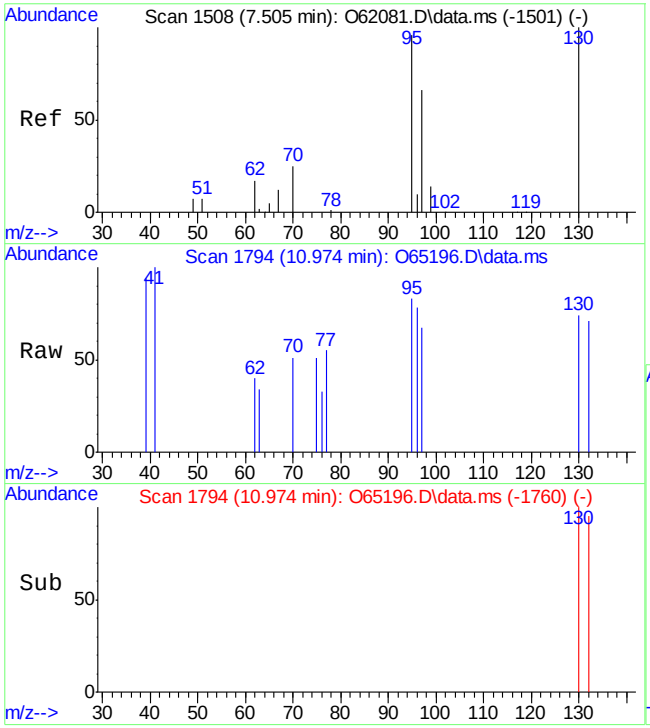


#9
Chloroform
Concen: 0.07 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65196.D
Acq: 13 Sep 2021 10:02 pm

Tgt Ion: 83 Resp: 727

Ion	Ratio	Lower	Upper
83	100		
85	65.1	33.7	93.7
47	61.3	5.1	65.1

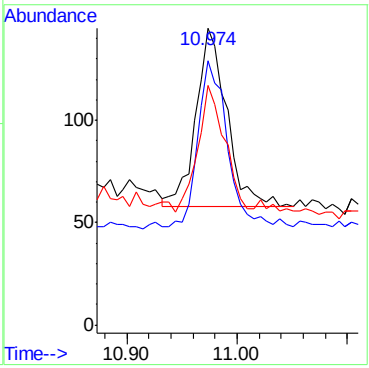




#15
Trichloroethene
Concen: 0.03 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65196.D
Acq: 13 Sep 2021 10:02 pm

Tgt Ion: 95 Resp: 168

Ion	Ratio	Lower	Upper
95	100		
130	93.1	69.9	129.9
97	70.1	34.0	94.0



Manual Integration Approval Summary

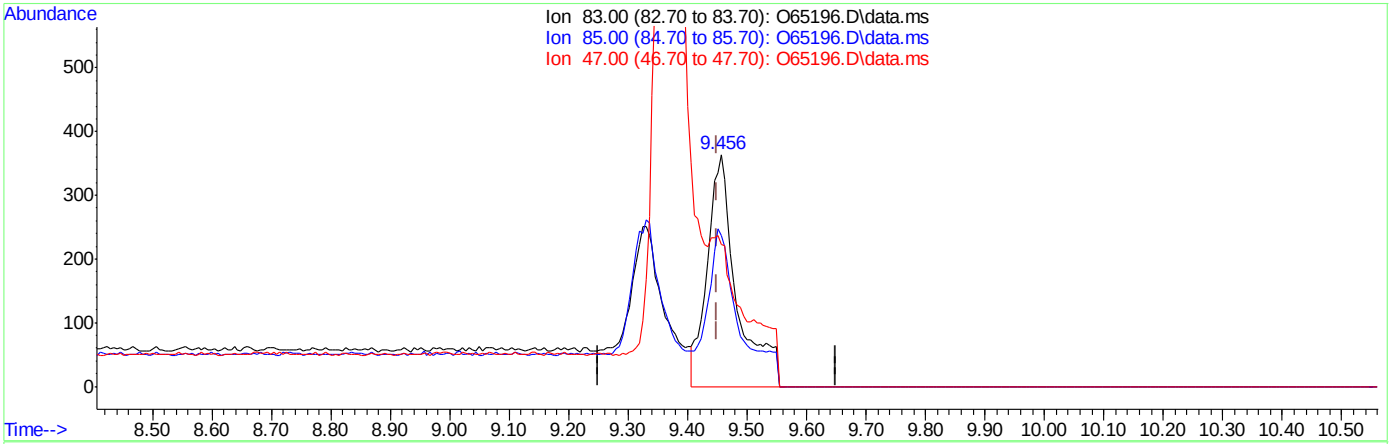
Sample Number: FA88736-14
Lab FileID: O65196.D
Injection Time: 09/13/21 22:02
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

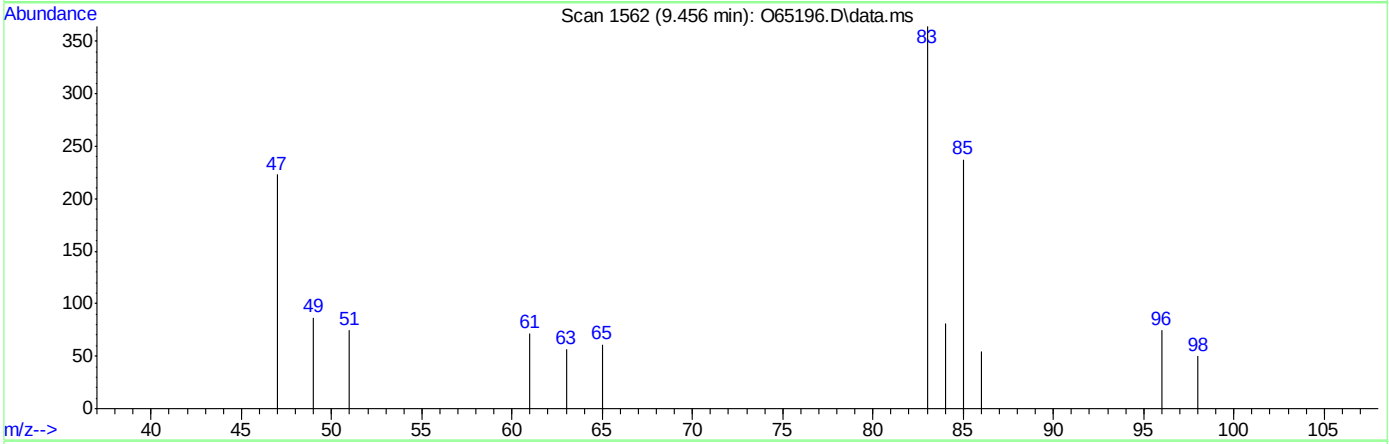
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65196.D
Acq On : 13 Sep 2021 10:02 pm
Operator : charleng
Sample : FA88736-14 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 10:52:18 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65196.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L

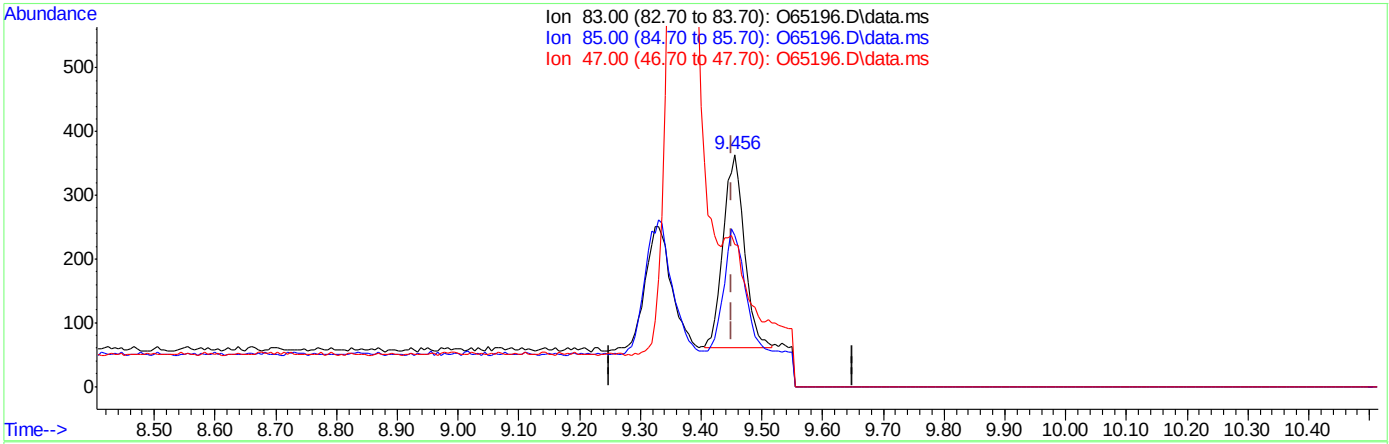
response 1266

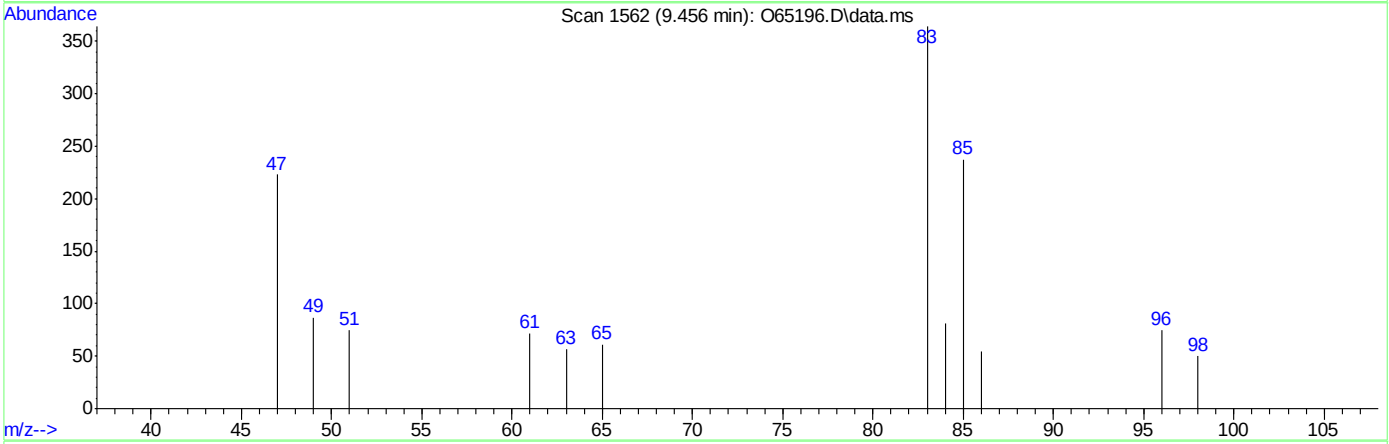
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.11
47.00	35.10	61.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65196.D
Acq On : 13 Sep 2021 10:02 pm
Operator : charleng
Sample : FA88736-14 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 10:52:18 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65196.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.07ug/L m

response 727

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.11
47.00	35.10	61.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65197.D
Acq On : 13 Sep 2021 10:25 pm
Operator : charleng
Sample : FA88736-15 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 11:03:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

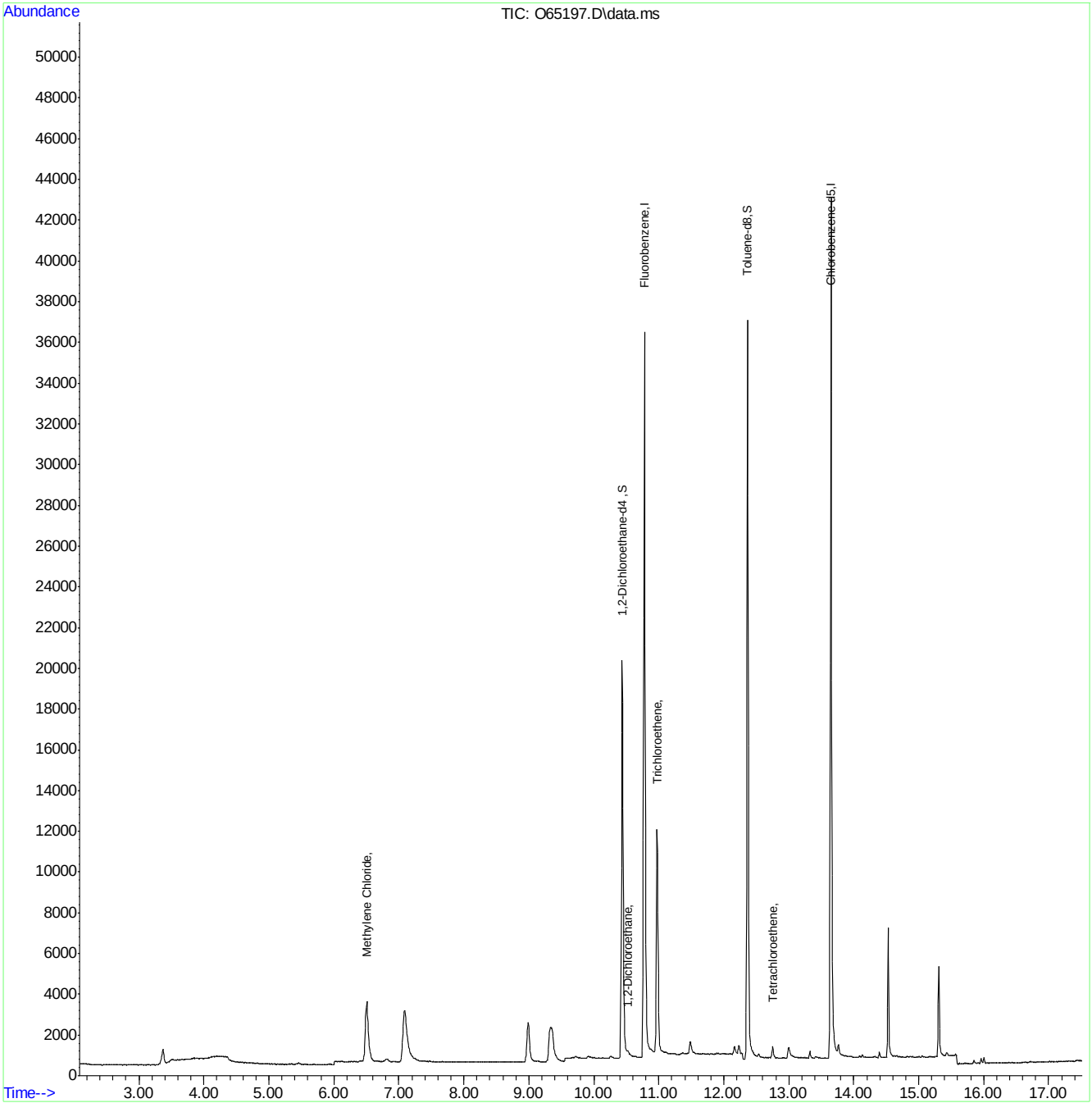
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	41697	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29399	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18486	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	32695	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3857	0.33	ug/L	93
14) 1,2-Dichloroethane	10.525	62	186	0.02	ug/L	86
15) Trichloroethene	10.974	95	5263	0.96	ug/L	97
21) Tetrachloroethene	12.758	166	244	0.05	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

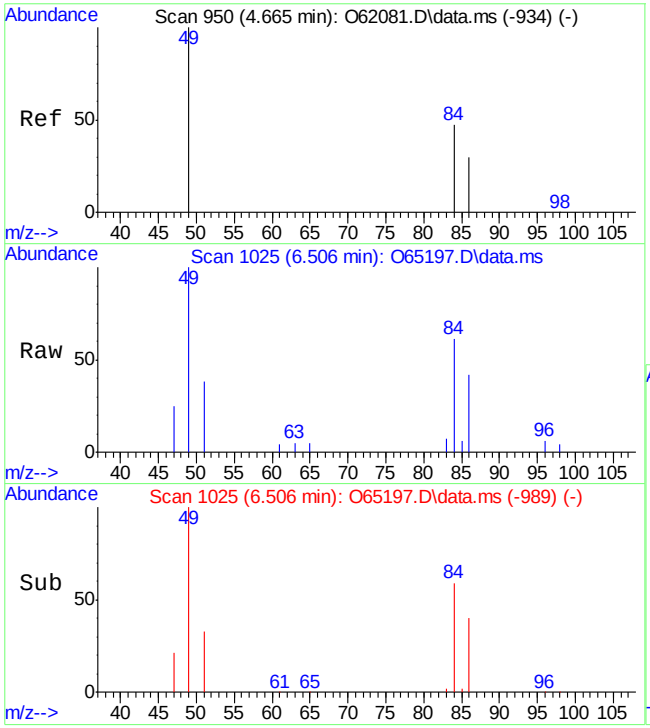
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65197.D
Acq On : 13 Sep 2021 10:25 pm
Operator : charleng
Sample : FA88736-15 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 14 11:03:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



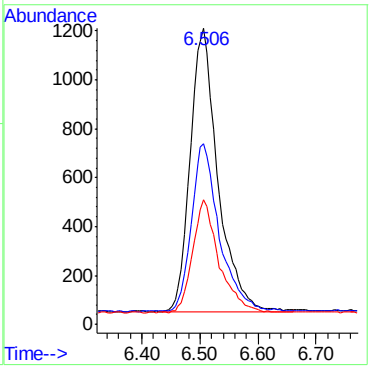
SIMCL-09-13-2021.M Tue Sep 14 11:11:20 2021 Page: 2

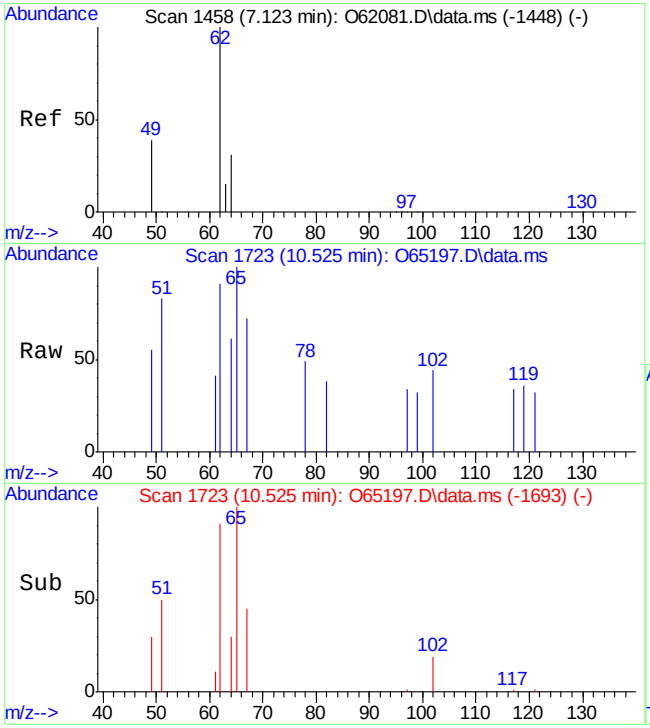


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65197.D
Acq: 13 Sep 2021 10:25 pm

Tgt Ion: 49 Resp: 3857

Ion	Ratio	Lower	Upper
49	100		
84	59.0	35.5	95.5
86	39.7	12.8	72.8

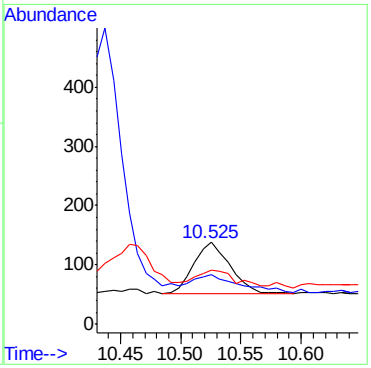


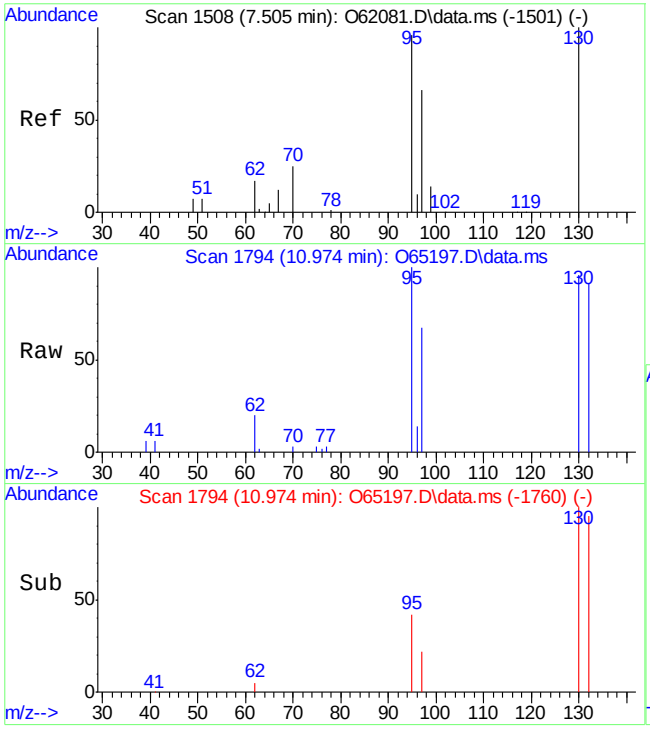


#14
1,2-Dichloroethane
Concen: 0.02 ug/L
RT: 10.525 min Scan# 1723
Delta R.T. 0.006 min
Lab File: O65197.D
Acq: 13 Sep 2021 10:25 pm

Tgt Ion: 62 Resp: 186

Ion	Ratio	Lower	Upper
62	100		
49	33.3	0.0	50.2
64	35.6	3.0	63.0

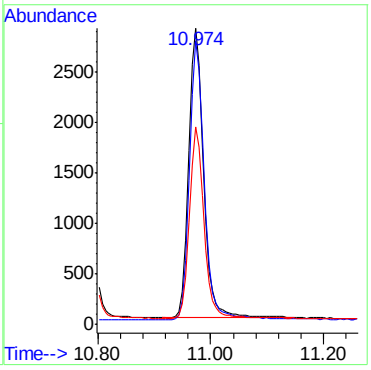


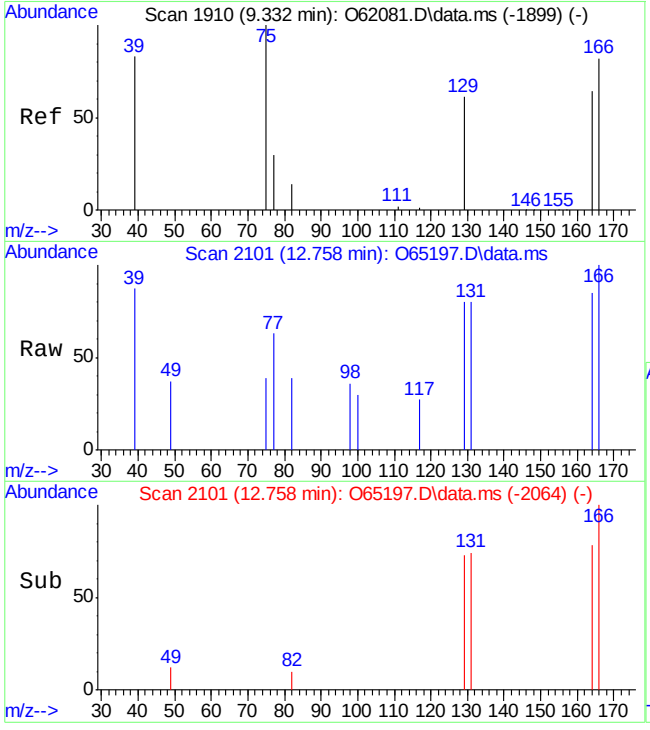


#15
Trichloroethene
Concen: 0.96 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65197.D
Acq: 13 Sep 2021 10:25 pm

Tgt Ion: 95 Resp: 5263

Ion	Ratio	Lower	Upper
95	100		
130	96.4	69.9	129.9
97	66.0	34.0	94.0

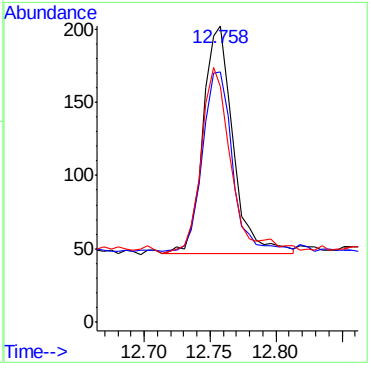




#21
Tetrachloroethene
Concen: 0.05 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65197.D
Acq: 13 Sep 2021 10:25 pm

Tgt Ion:166 Resp: 244

Ion	Ratio	Lower	Upper
166	100		
164	79.4	48.0	108.0
129	73.5	36.6	96.6



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 11:03:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

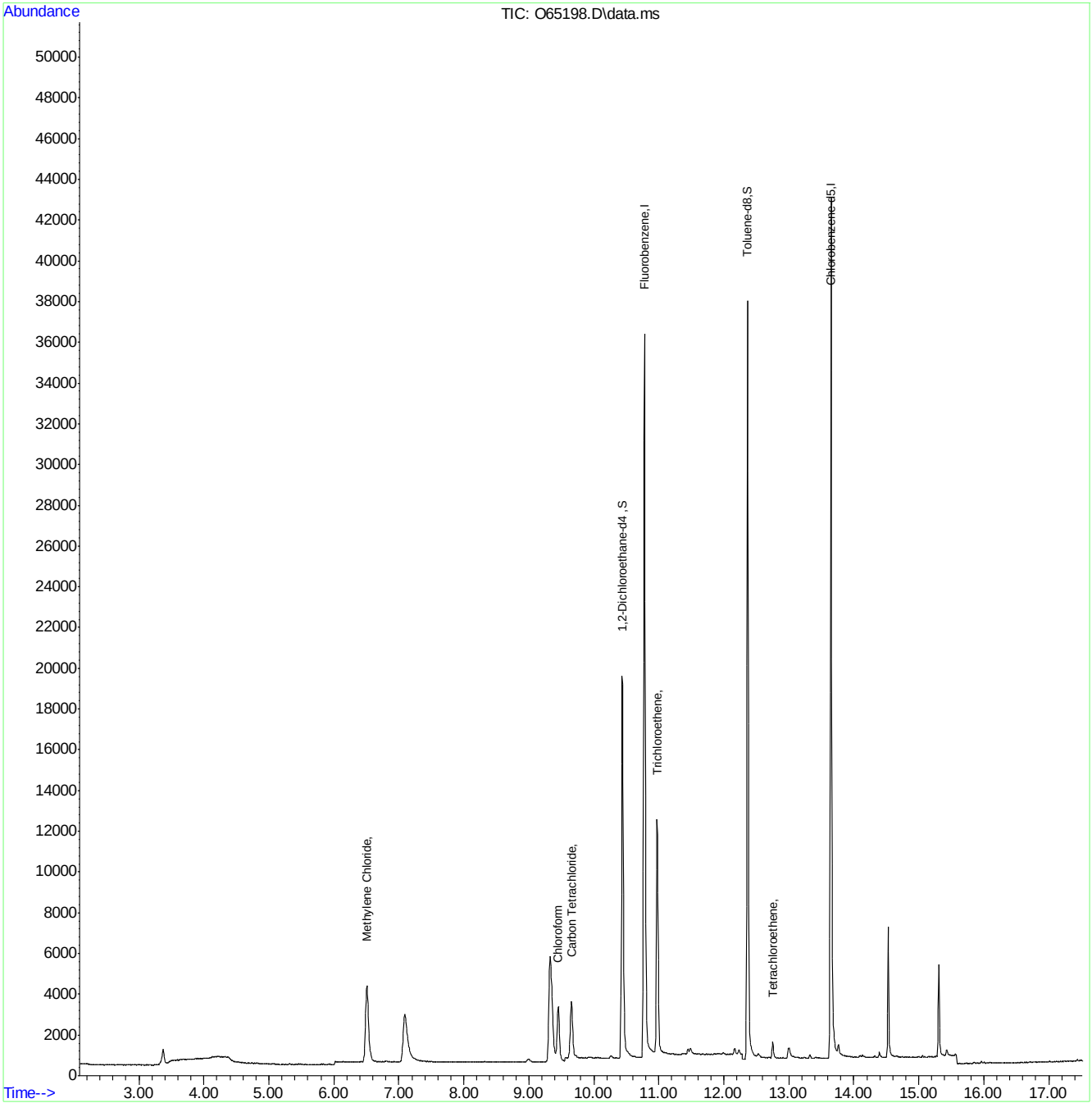
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	41662	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29606	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18298	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	33072	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4881	0.42	ug/L	92
9) Chloroform	9.450	83	2995m	0.31	ug/L	
10) Carbon Tetrachloride	9.656	117	2545m	0.43	ug/L	
15) Trichloroethene	10.974	95	5511	1.01	ug/L	95
21) Tetrachloroethene	12.758	166	343	0.07	ug/L	95

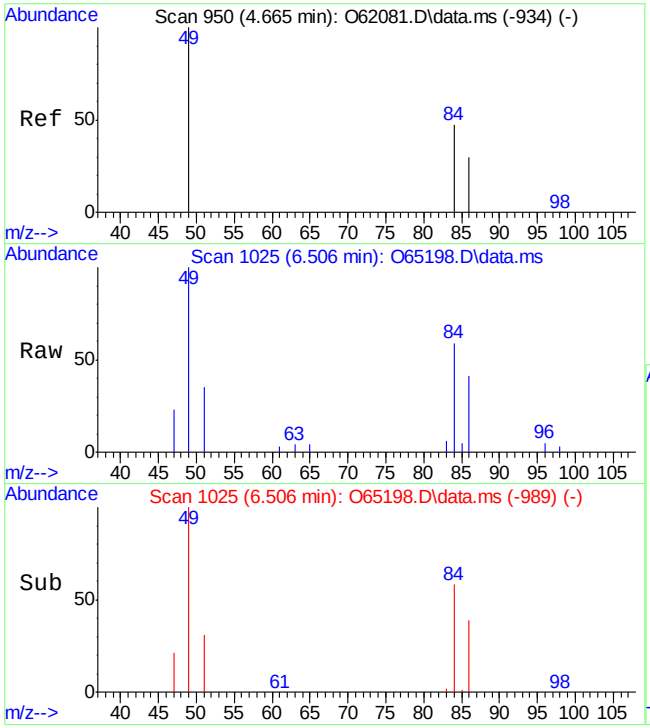
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 11:03:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

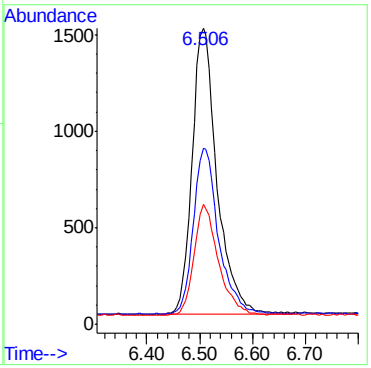


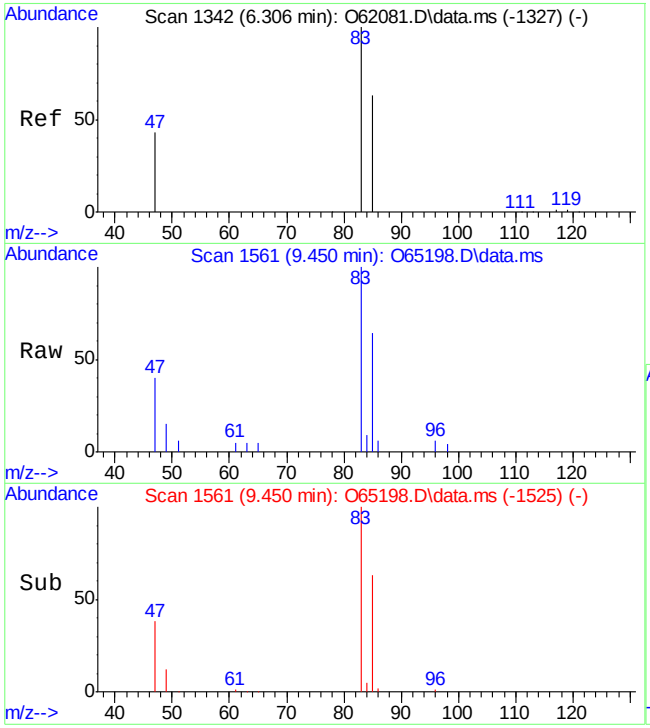


#5
Methylene Chloride
Concen: 0.42 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65198.D
Acq: 13 Sep 2021 10:49 pm

Tgt Ion: 49 Resp: 4881

Ion	Ratio	Lower	Upper
49	100		
84	57.8	35.5	95.5
86	38.7	12.8	72.8

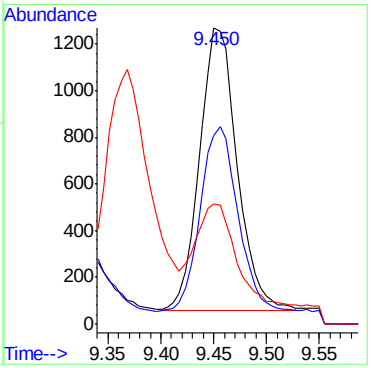


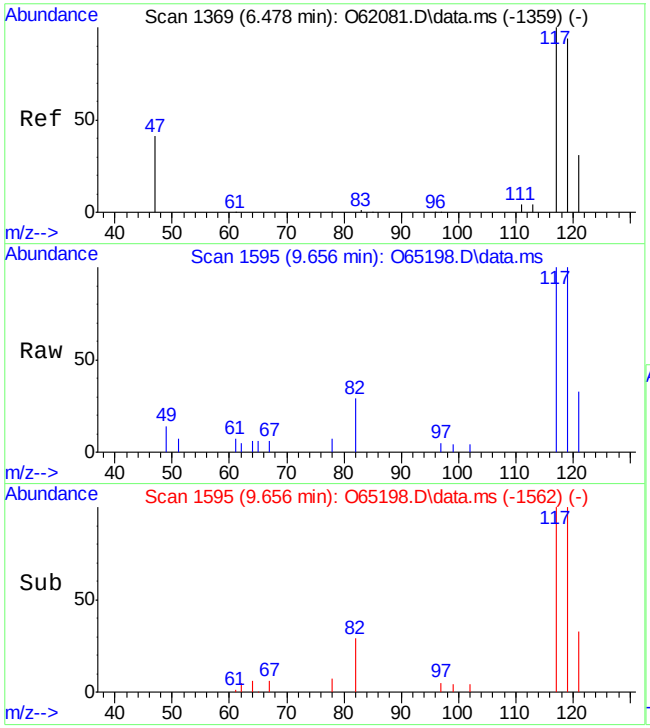


#9
Chloroform
Concen: 0.31 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65198.D
Acq: 13 Sep 2021 10:49 pm

Tgt Ion: 83 Resp: 2995

Ion	Ratio	Lower	Upper
83	100		
85	63.6	33.7	93.7
47	40.5	5.1	65.1

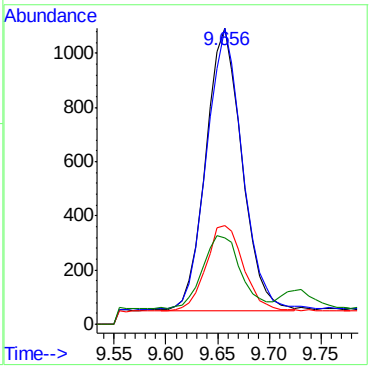


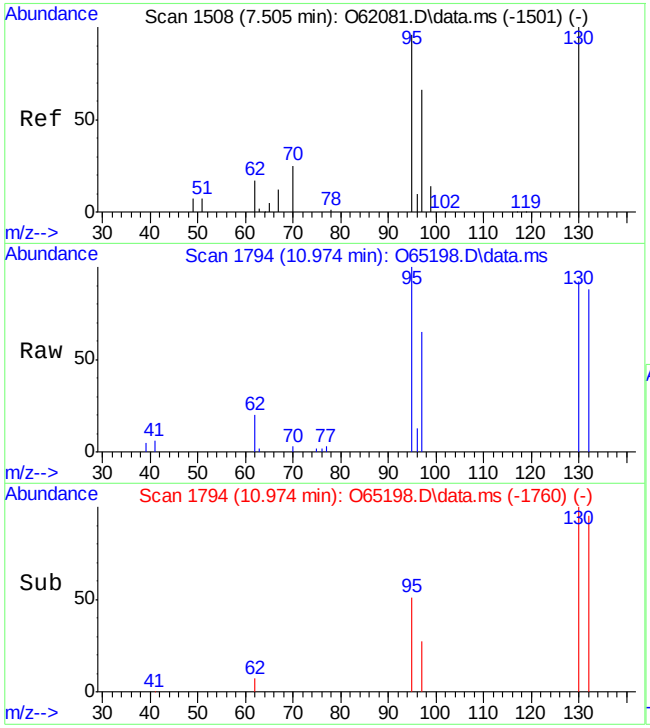


#10
Carbon Tetrachloride
Concen: 0.43 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65198.D
Acq: 13 Sep 2021 10:49 pm

Tgt Ion:117 Resp: 2545

Ion	Ratio	Lower	Upper
117	100		
119	100.0	68.2	128.2
121	33.3	1.1	61.1
82	29.2	0.0	54.2

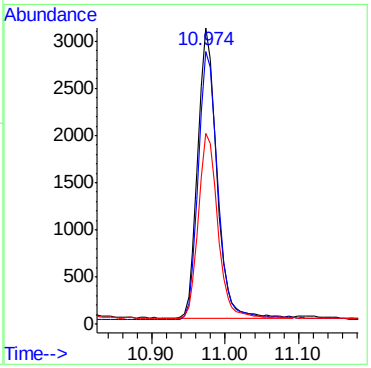


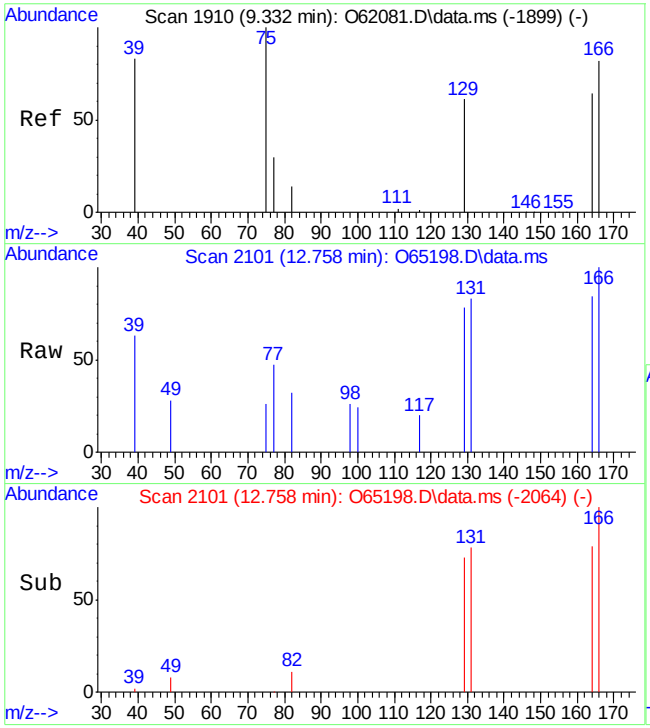


#15
Trichloroethene
Concen: 1.01 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65198.D
Acq: 13 Sep 2021 10:49 pm

Tgt Ion: 95 Resp: 5511

Ion	Ratio	Lower	Upper
95	100		
130	92.1	69.9	129.9
97	63.8	34.0	94.0

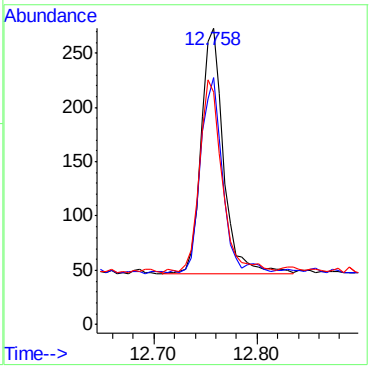




#21
Tetrachloroethene
Concen: 0.07 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65198.D
Acq: 13 Sep 2021 10:49 pm

Tgt Ion:166 Resp: 343

Ion	Ratio	Lower	Upper
166	100		
164	79.2	48.0	108.0
129	73.5	36.6	96.6



Manual Integration Approval Summary

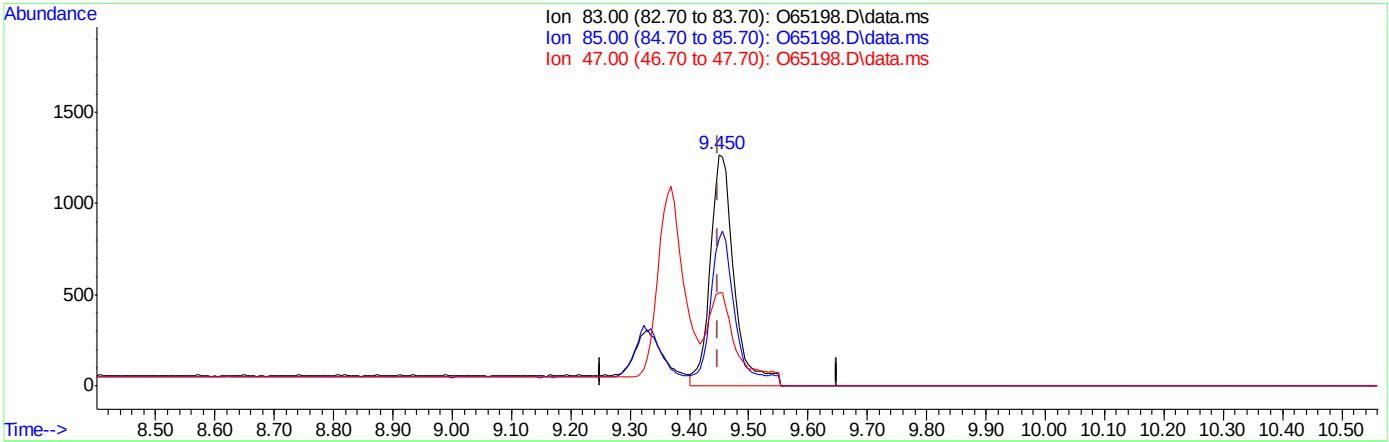
Sample Number: FA88736-16
Lab FileID: O65198.D
Injection Time: 09/13/21 22:49
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

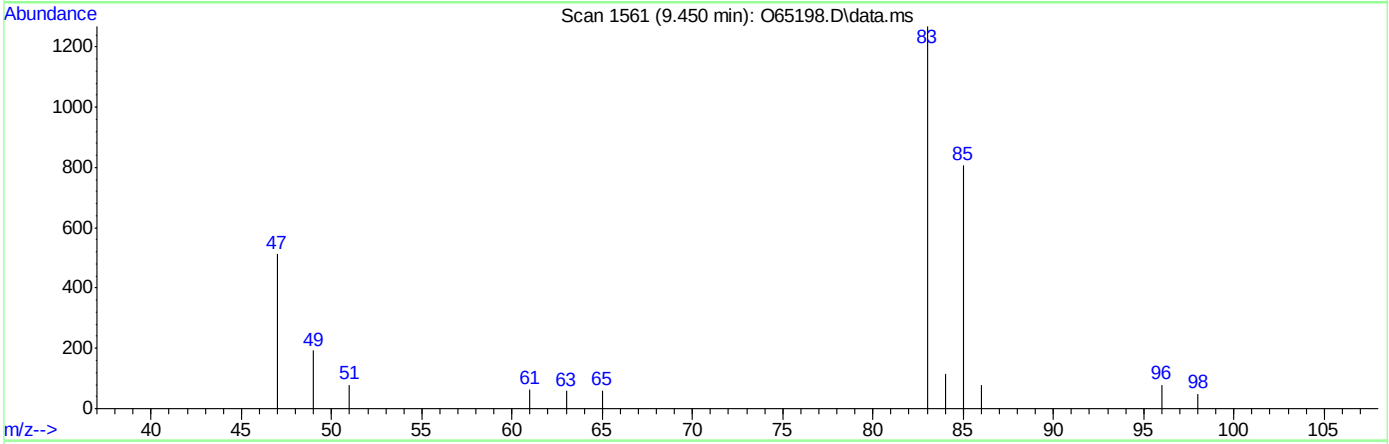
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 10:52:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65198.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.37ug/L

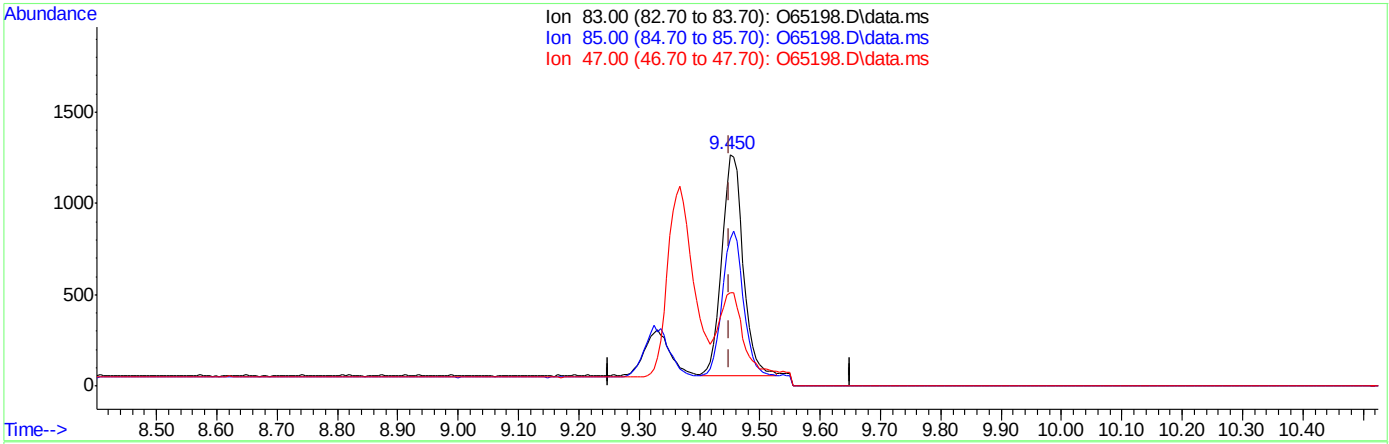
response 3553

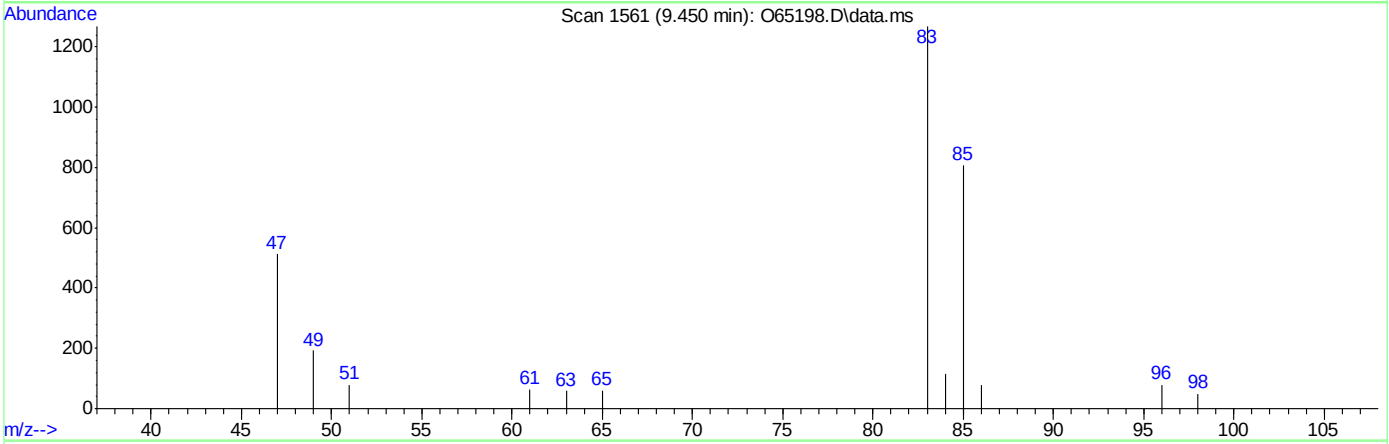
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.64
47.00	35.10	40.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 10:52:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65198.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.31ug/L m

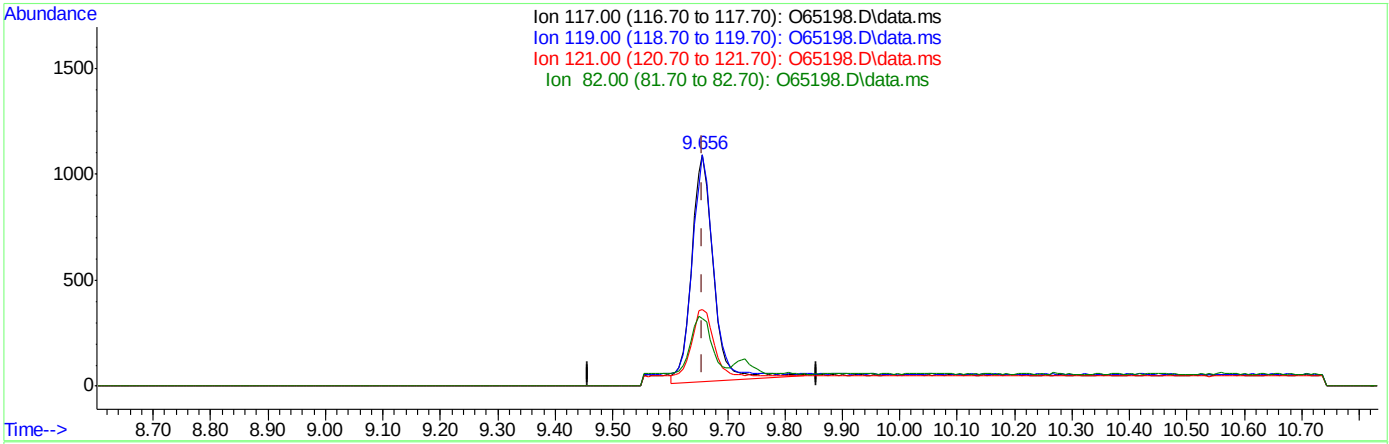
response 2995

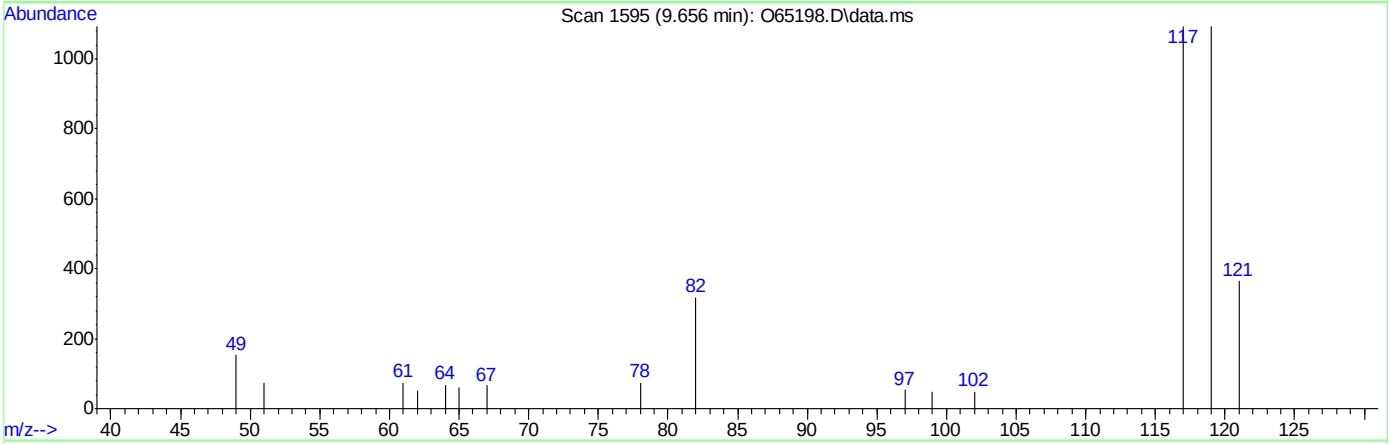
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.64
47.00	35.10	40.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 10:52:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65198.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.48ug/L

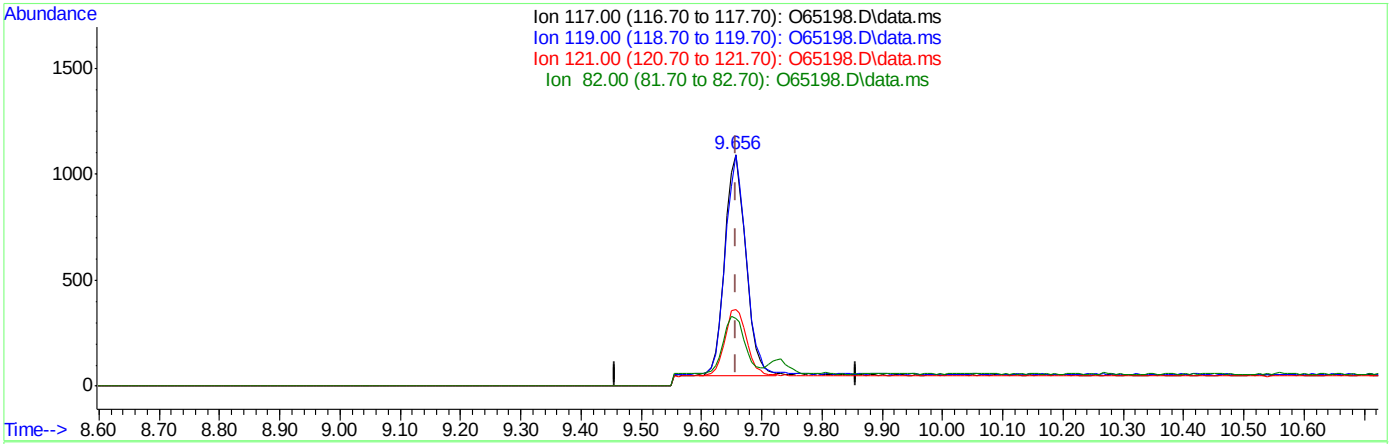
response 2828

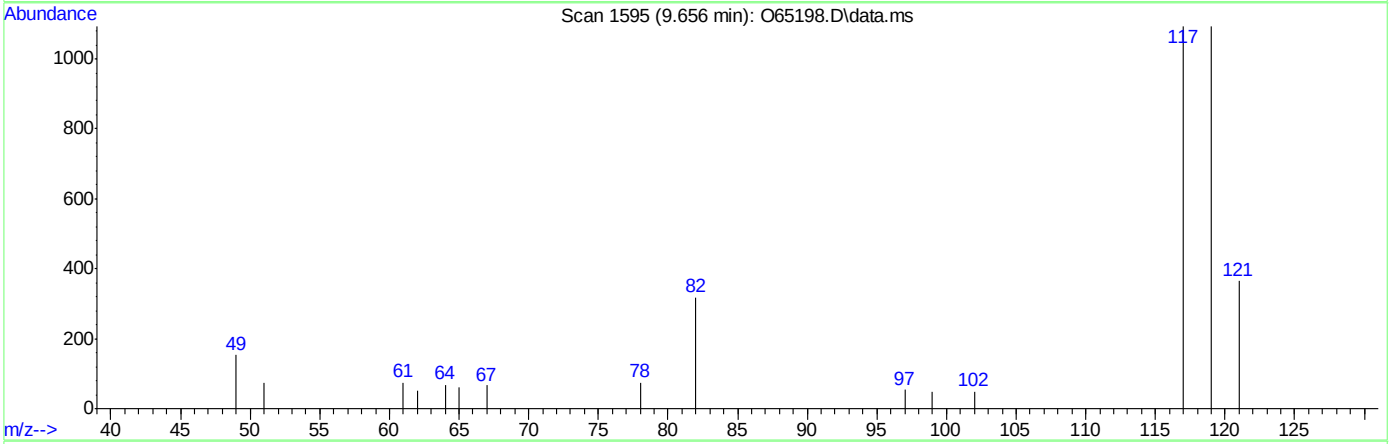
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	99.42
121.00	31.10	30.26
82.00	24.20	24.98

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65198.D
Acq On : 13 Sep 2021 10:49 pm
Operator : charleng
Sample : FA88736-16 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 14 10:52:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65198.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.43ug/L m

response 2545

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	33.30
82.00	24.20	29.19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65199.D
Acq On : 13 Sep 2021 11:12 pm
Operator : charleng
Sample : FA88736-17 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 11:03:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

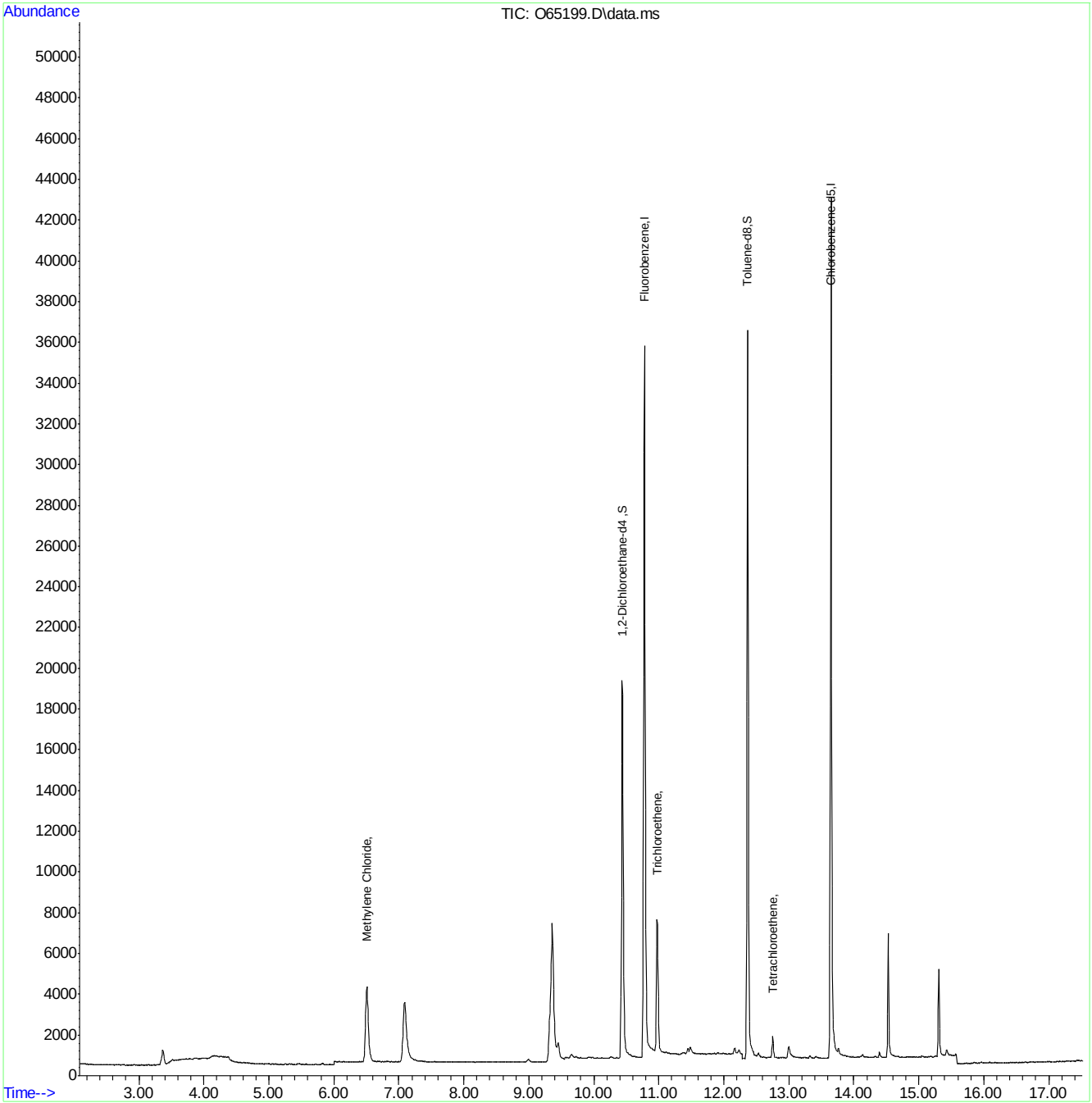
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40398	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28728	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17749	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	31773	4.73	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4411	0.39	ug/L	92
15) Trichloroethene	10.974	95	3121	0.59	ug/L	99
21) Tetrachloroethene	12.758	166	440	0.10	ug/L	95

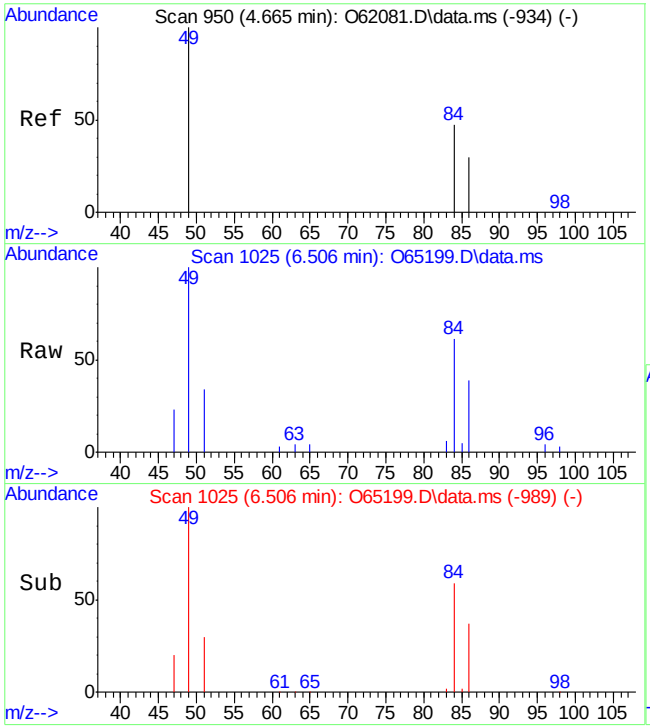
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65199.D
Acq On : 13 Sep 2021 11:12 pm
Operator : charleng
Sample : FA88736-17 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 11:03:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

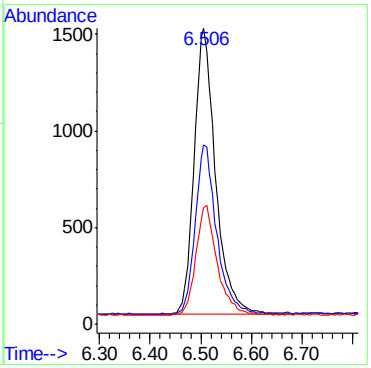


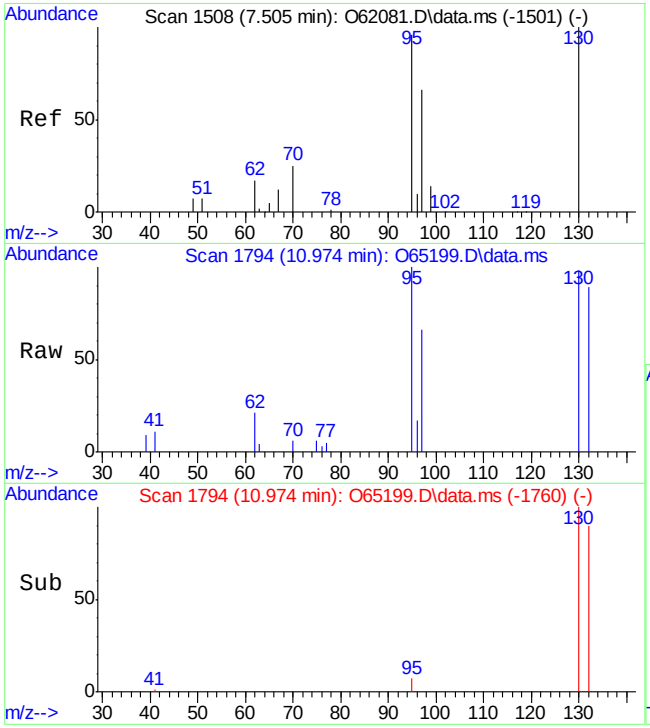


#5
Methylene Chloride
Concen: 0.39 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65199.D
Acq: 13 Sep 2021 11:12 pm

Tgt Ion: 49 Resp: 4411

Ion	Ratio	Lower	Upper
49	100		
84	59.0	35.5	95.5
86	37.4	12.8	72.8

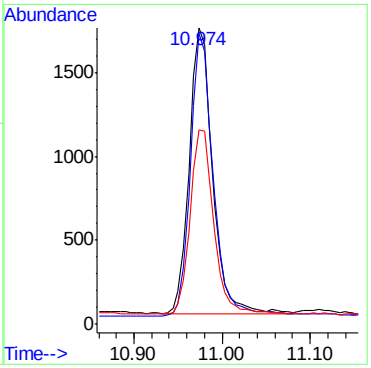


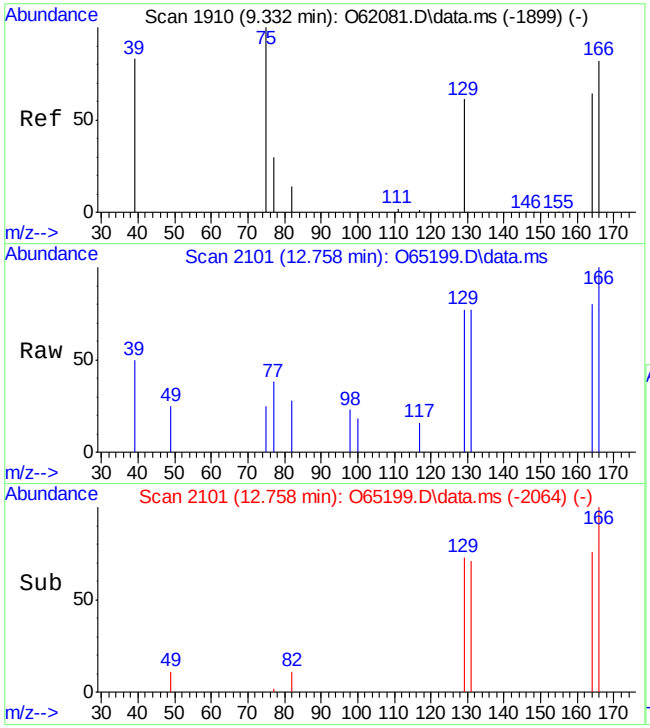


#15
Trichloroethene
Concen: 0.59 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65199.D
Acq: 13 Sep 2021 11:12 pm

Tgt Ion: 95 Resp: 3121

Ion	Ratio	Lower	Upper
95	100		
130	98.8	69.9	129.9
97	64.6	34.0	94.0

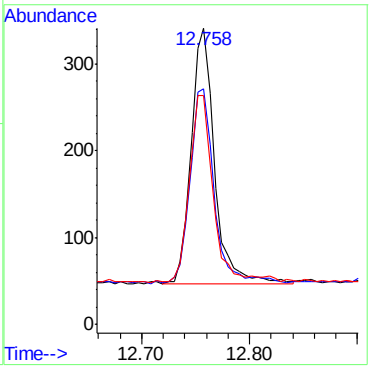




#21
Tetrachloroethene
Concen: 0.10 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65199.D
Acq: 13 Sep 2021 11:12 pm

Tgt Ion:166 Resp: 440

Ion	Ratio	Lower	Upper
166	100		
164	76.2	48.0	108.0
129	72.8	36.6	96.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65200.D
Acq On : 13 Sep 2021 11:35 pm
Operator : charleng
Sample : FA88736-18 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 14 11:03:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

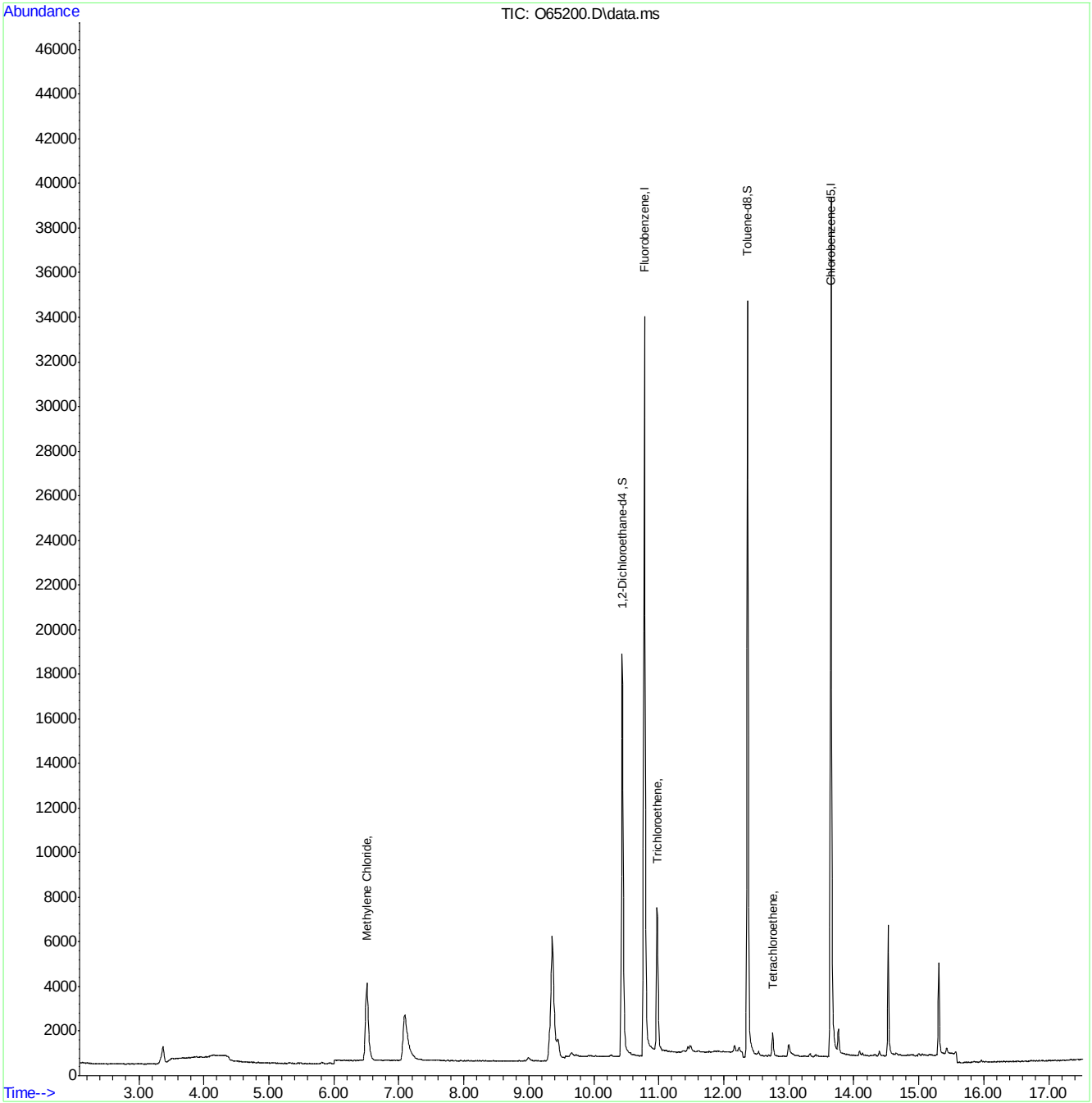
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38741	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27259	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17291	5.27	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.40%			
19) Toluene-d8	12.367	98	30252	4.75	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	4486	0.42	ug/L	88
15) Trichloroethene	10.974	95	3105	0.61	ug/L	96
21) Tetrachloroethene	12.758	166	449	0.10	ug/L	95

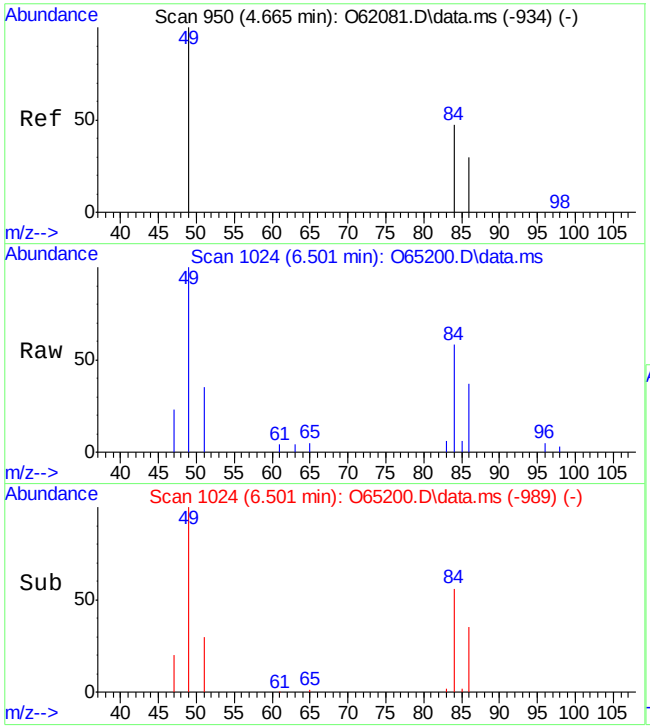
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65200.D
Acq On : 13 Sep 2021 11:35 pm
Operator : charleng
Sample : FA88736-18 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 14 11:03:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

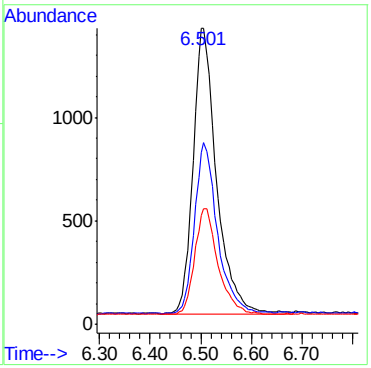


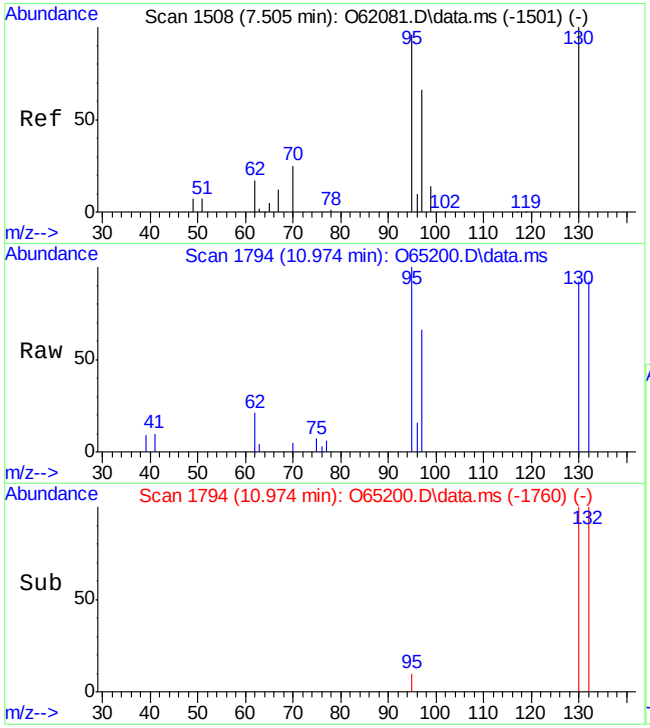


#5
Methylene Chloride
Concen: 0.42 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65200.D
Acq: 13 Sep 2021 11:35 pm

Tgt Ion: 49 Resp: 4486

Ion	Ratio	Lower	Upper
49	100		
84	56.2	35.5	95.5
86	34.6	12.8	72.8

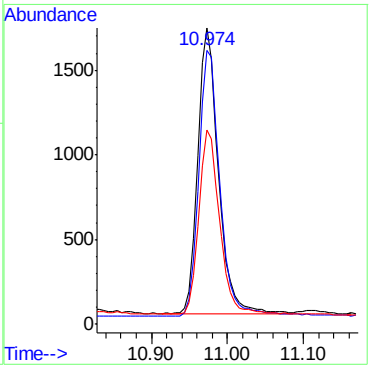


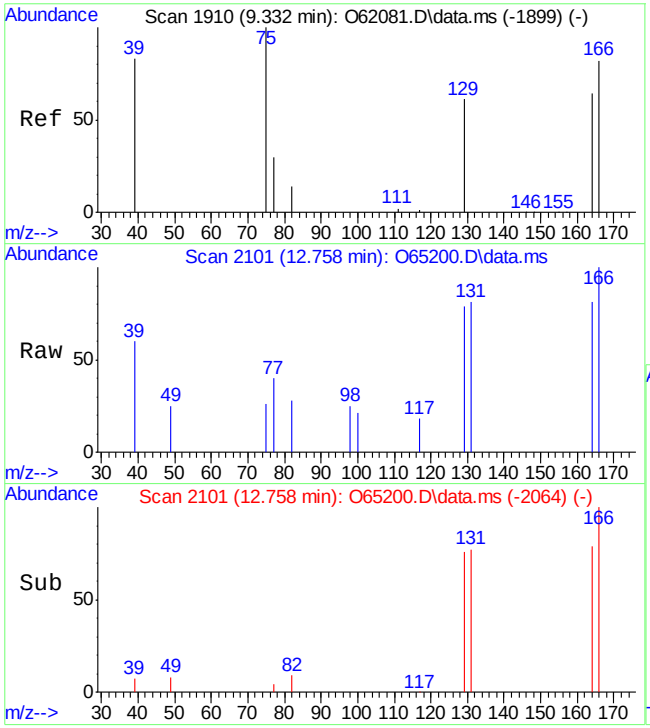


#15
Trichloroethene
Concen: 0.61 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65200.D
Acq: 13 Sep 2021 11:35 pm

Tgt Ion: 95 Resp: 3105

Ion	Ratio	Lower	Upper
95	100		
130	92.9	69.9	129.9
97	64.4	34.0	94.0

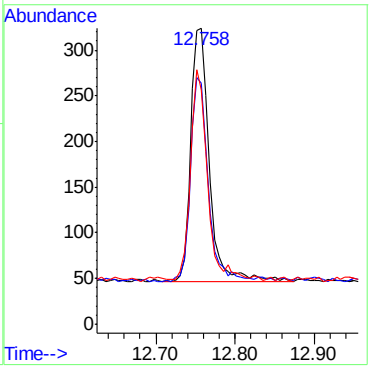




#21
Tetrachloroethene
Concen: 0.10 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65200.D
Acq: 13 Sep 2021 11:35 pm

Tgt Ion:166 Resp: 449

Ion	Ratio	Lower	Upper
166	100		
164	78.3	48.0	108.0
129	74.7	36.6	96.6



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65201.D
Acq On : 13 Sep 2021 11:58 pm
Operator : charleng
Sample : FA88736-19 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 14 11:04:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40137	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28557	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17830	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	31768	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3714	0.33	ug/L	91
9) Chloroform	9.450	83	4614m	0.50	ug/L	
10) Carbon Tetrachloride	9.657	117	11574	2.03	ug/L	98
15) Trichloroethene	10.974	95	5877	1.12	ug/L	96
21) Tetrachloroethene	12.758	166	487	0.11	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

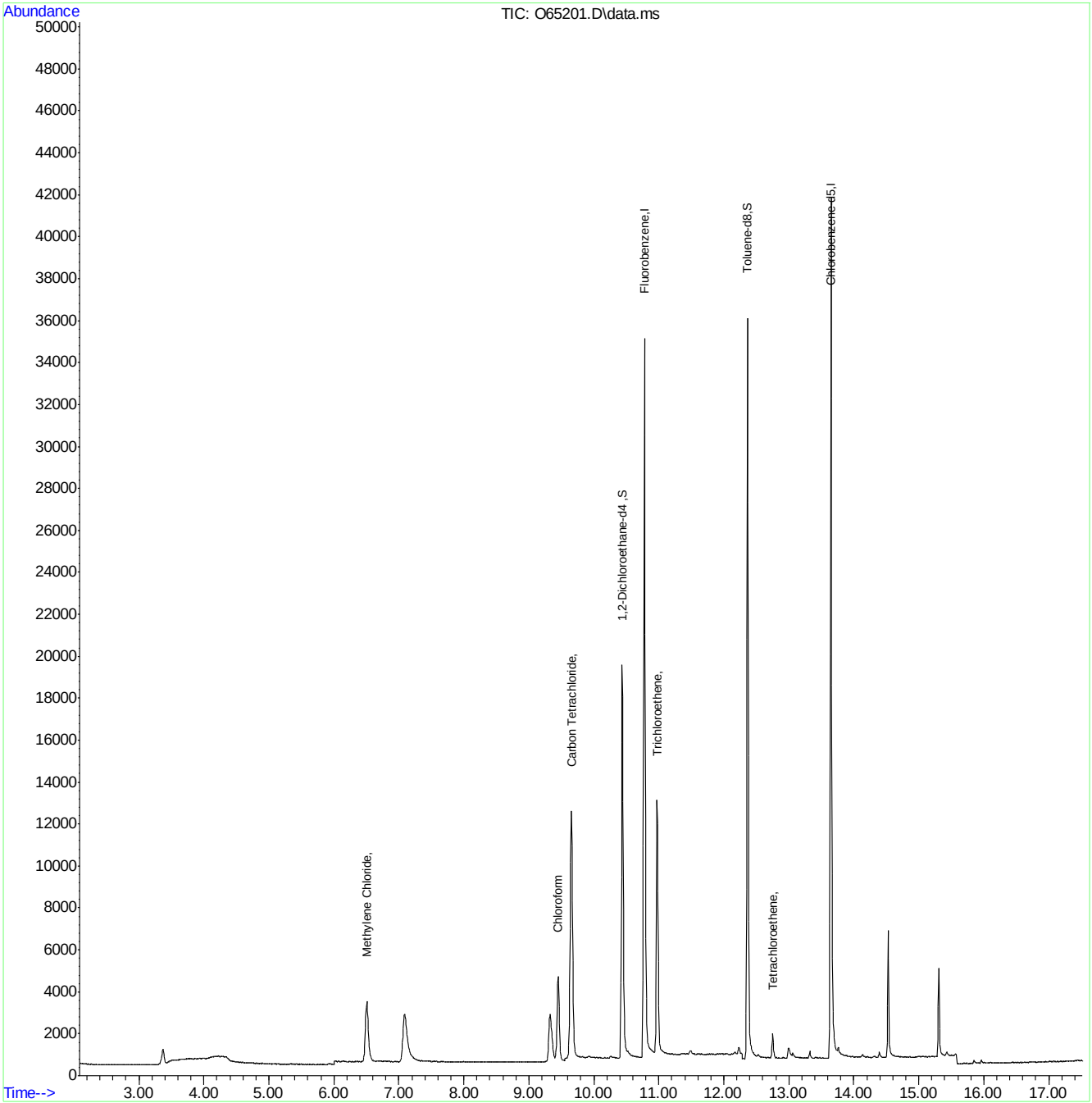
7.1.19

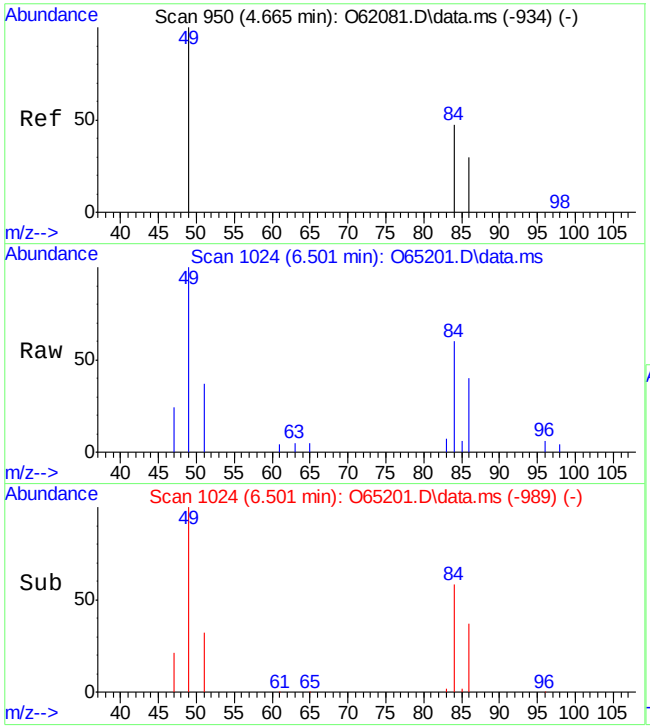
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65201.D
Acq On : 13 Sep 2021 11:58 pm
Operator : charleng
Sample : FA88736-19 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 14 11:04:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

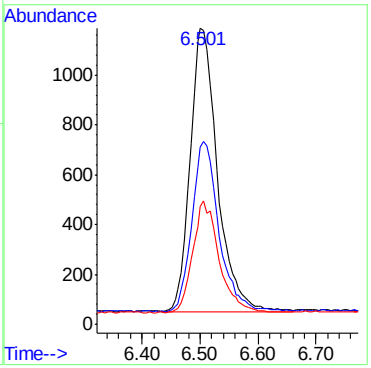


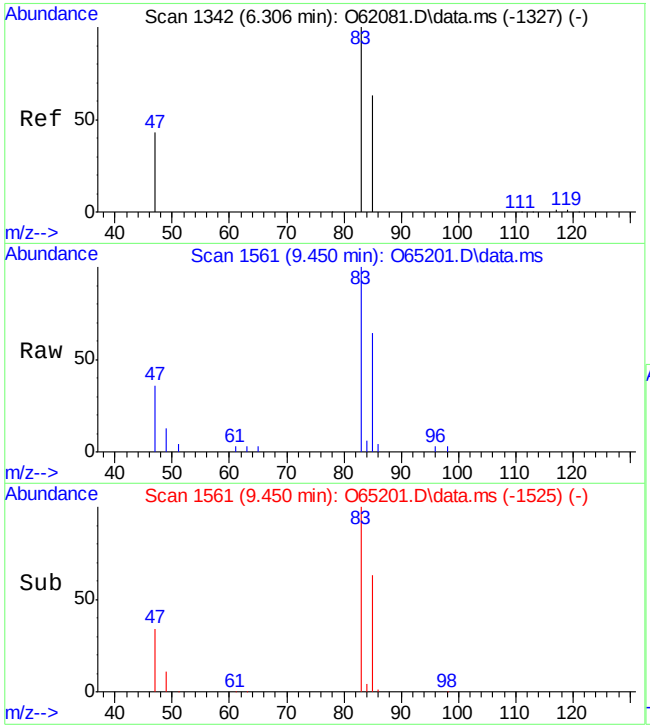


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65201.D
Acq: 13 Sep 2021 11:58 pm

Tgt Ion: 49 Resp: 3714

Ion	Ratio	Lower	Upper
49	100		
84	57.9	35.5	95.5
86	37.1	12.8	72.8

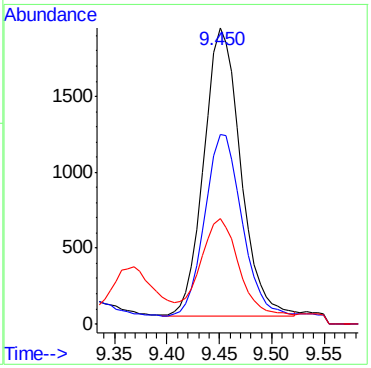


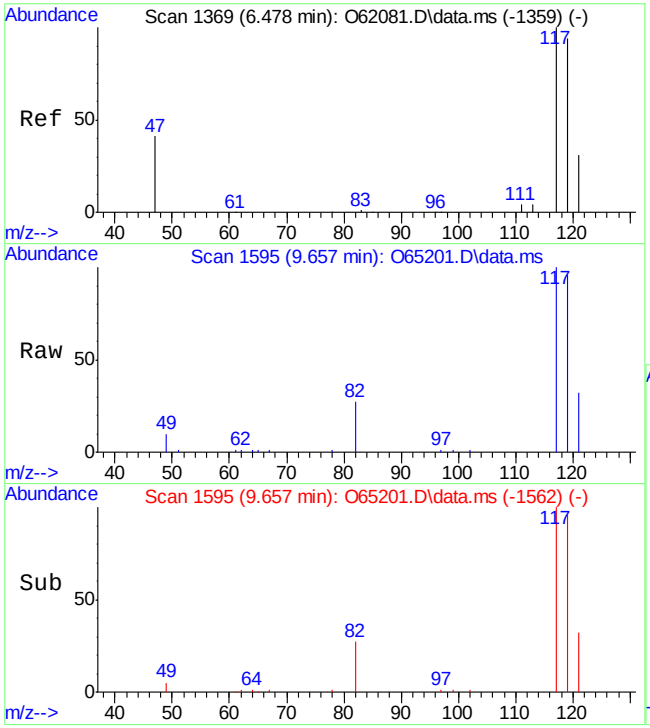


#9
Chloroform
Concen: 0.50 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65201.D
Acq: 13 Sep 2021 11:58 pm

Tgt Ion: 83 Resp: 4614

Ion	Ratio	Lower	Upper
83	100		
85	64.2	33.7	93.7
47	35.6	5.1	65.1

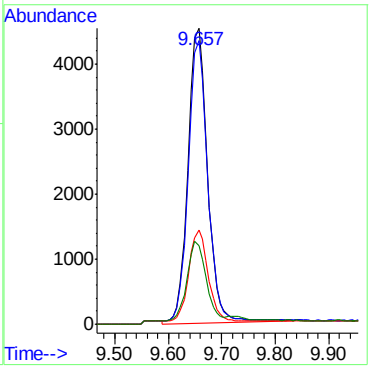


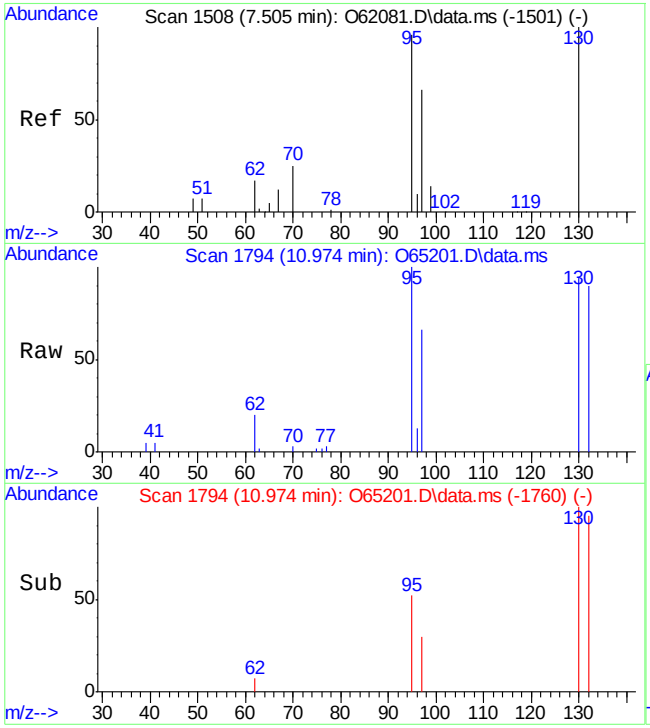


#10
Carbon Tetrachloride
Concen: 2.03 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65201.D
Acq: 13 Sep 2021 11:58 pm

Tgt Ion:117 Resp: 11574

Ion	Ratio	Lower	Upper
117	100		
119	95.8	68.2	128.2
121	31.0	1.1	61.1
82	25.7	0.0	54.2

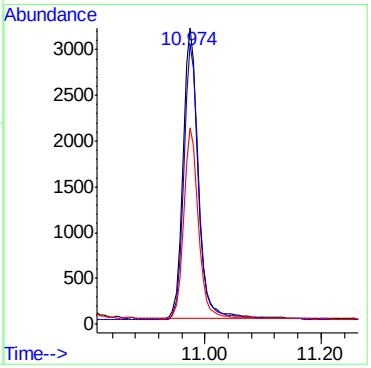


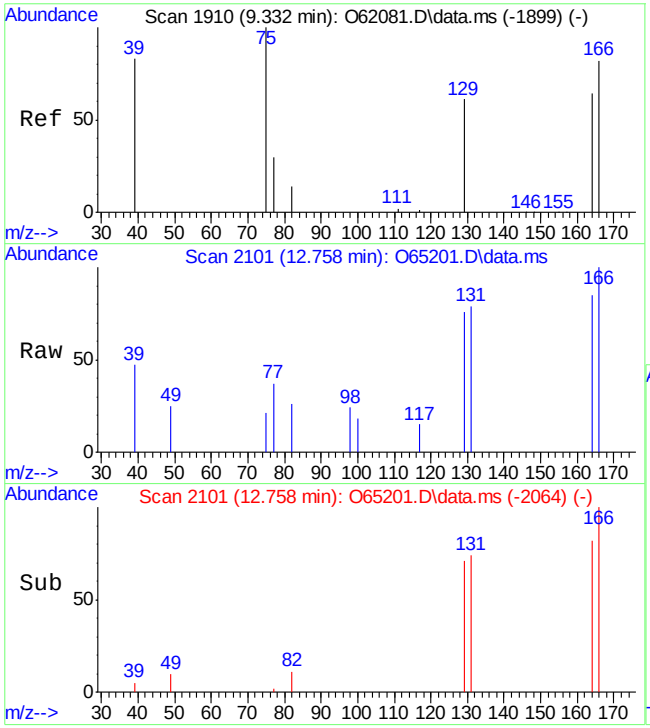


#15
Trichloroethene
Concen: 1.12 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65201.D
Acq: 13 Sep 2021 11:58 pm

Tgt Ion: 95 Resp: 5877

Ion	Ratio	Lower	Upper
95	100		
130	94.4	69.9	129.9
97	65.6	34.0	94.0

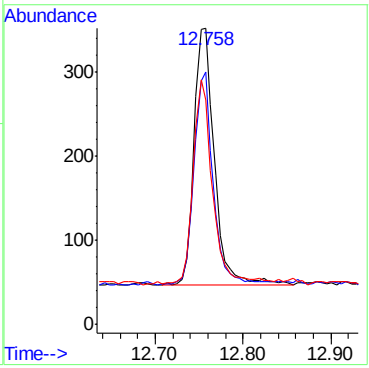




#21
Tetrachloroethene
Concen: 0.11 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65201.D
Acq: 13 Sep 2021 11:58 pm

Tgt Ion:166 Resp: 487

Ion	Ratio	Lower	Upper
166	100		
164	82.6	48.0	108.0
129	71.5	36.6	96.6



Manual Integration Approval Summary

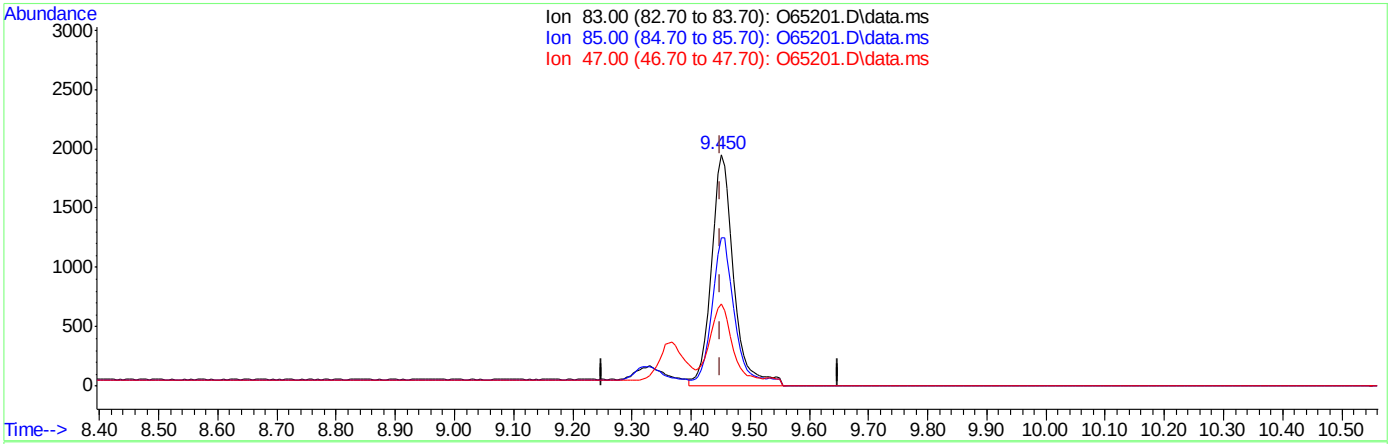
Sample Number: FA88736-19
Lab FileID: O65201.D
Injection Time: 09/13/21 23:58
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:09 Charlene Gonzalez
Supervisor approved: 09/19/21 23:03 Chelsea VanDenBurg

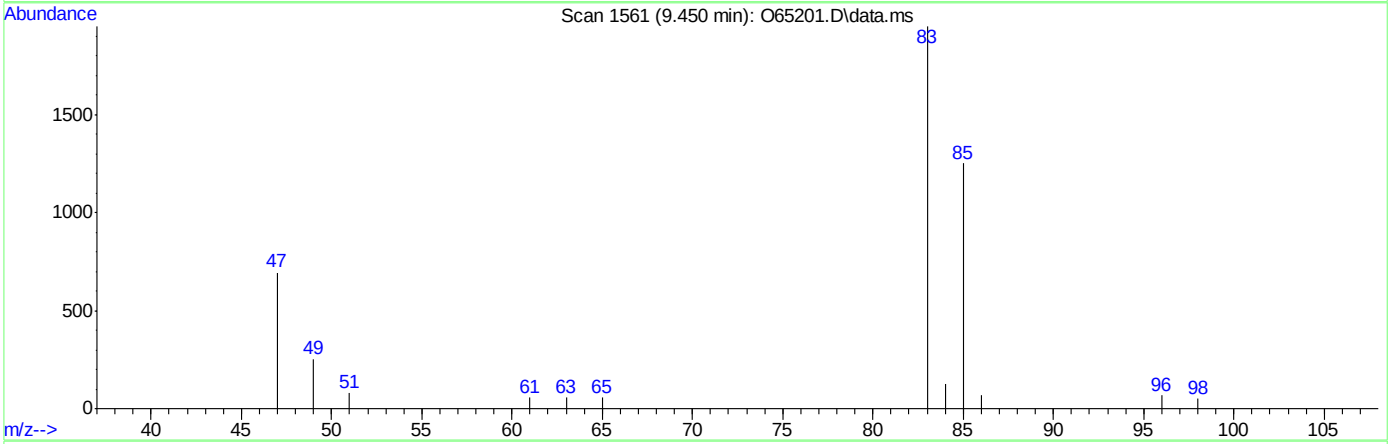
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65201.D
Acq On : 13 Sep 2021 11:58 pm
Operator : charleng
Sample : FA88736-19 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 14 10:52:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65201.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.56ug/L

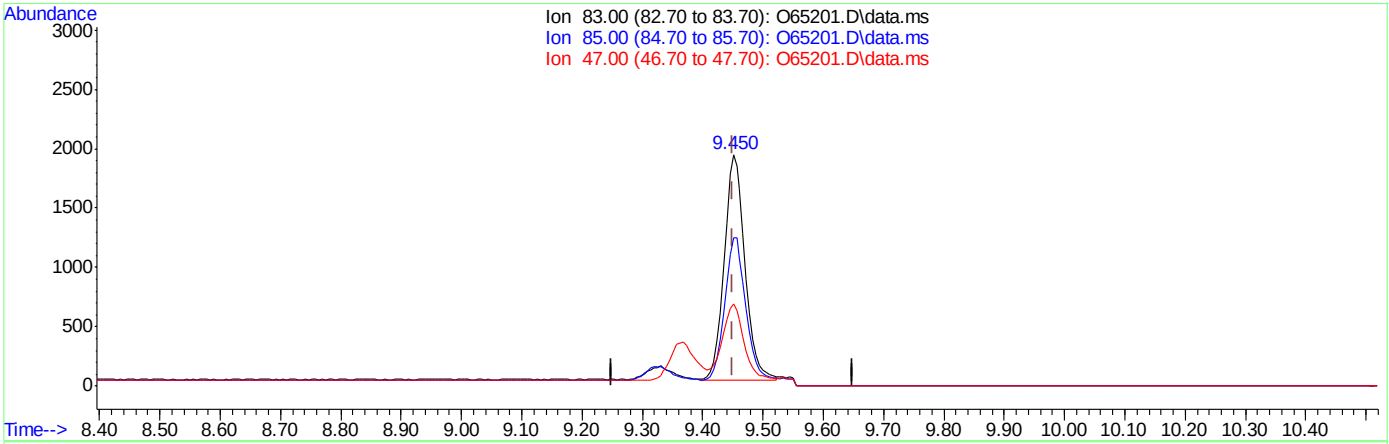
response 5193

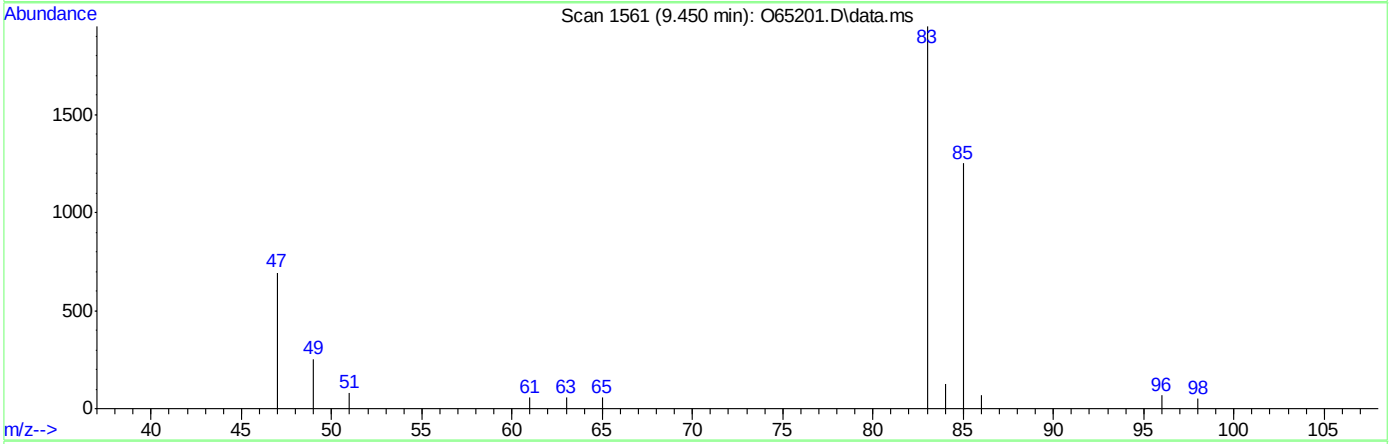
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.17
47.00	35.10	35.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65201.D
Acq On : 13 Sep 2021 11:58 pm
Operator : charleng
Sample : FA88736-19 Inst : MSVOA12
Misc : MS49714,VO2557,,,,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 14 10:52:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65201.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.50ug/L m

response 4614

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.17
47.00	35.10	35.62
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:37:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

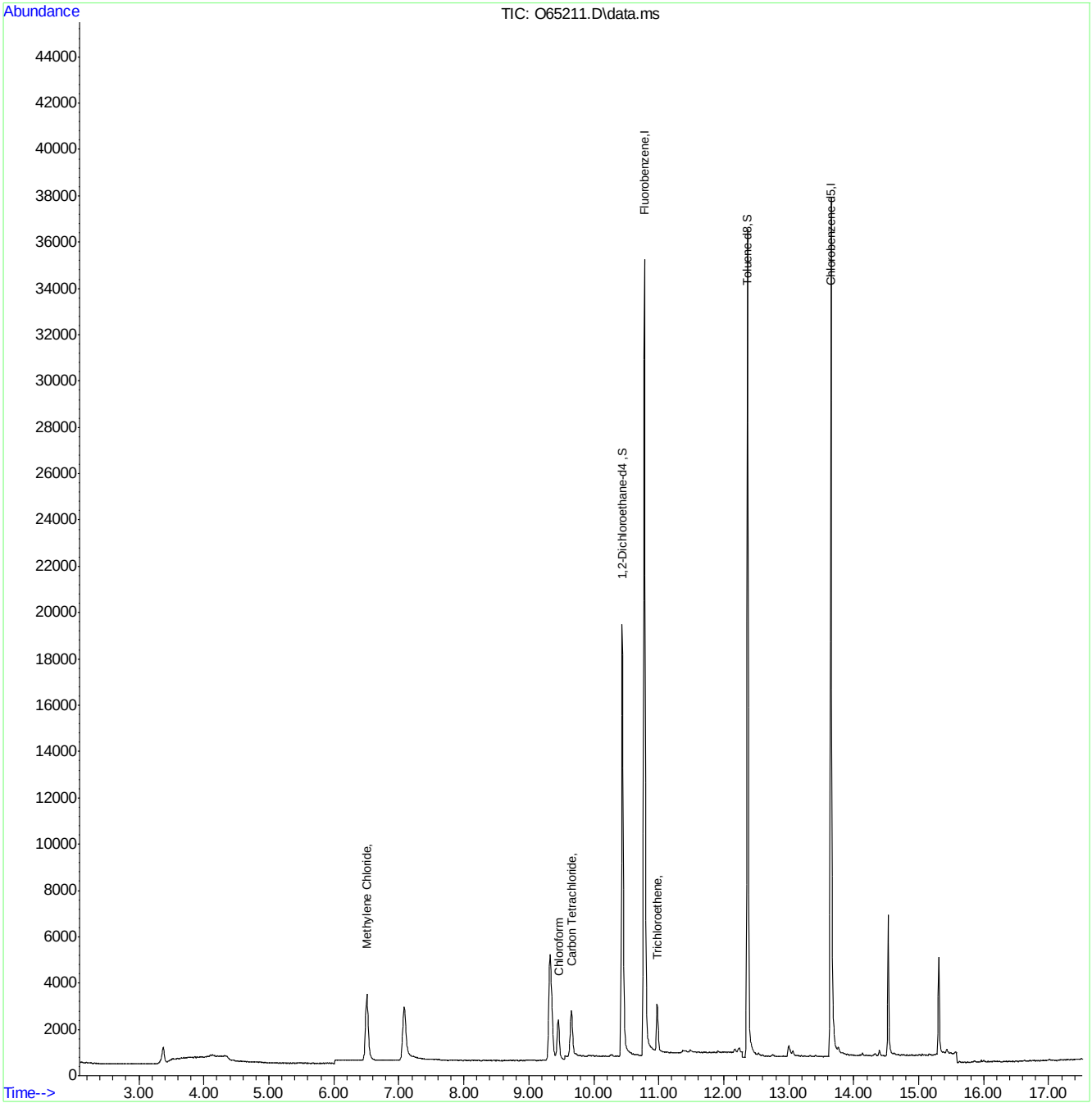
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40508	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28331	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17879	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	12.367	98	31660	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3468	0.31	ug/L	93
9) Chloroform	9.456	83	1940m	0.21	ug/L	
10) Carbon Tetrachloride	9.657	117	1832m	0.32	ug/L	
15) Trichloroethene	10.974	95	1044	0.20	ug/L	96

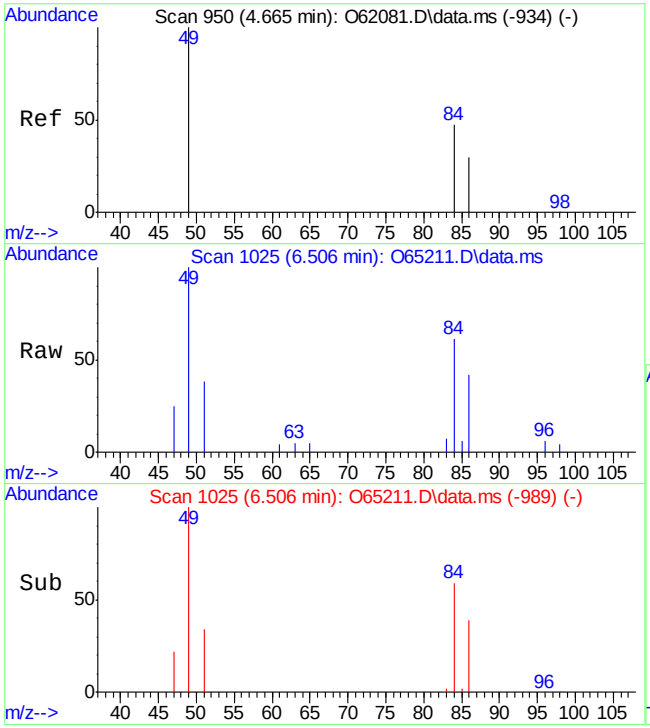
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:37:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

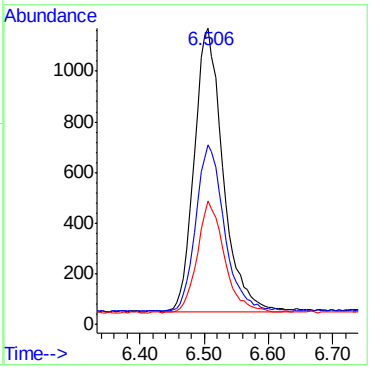


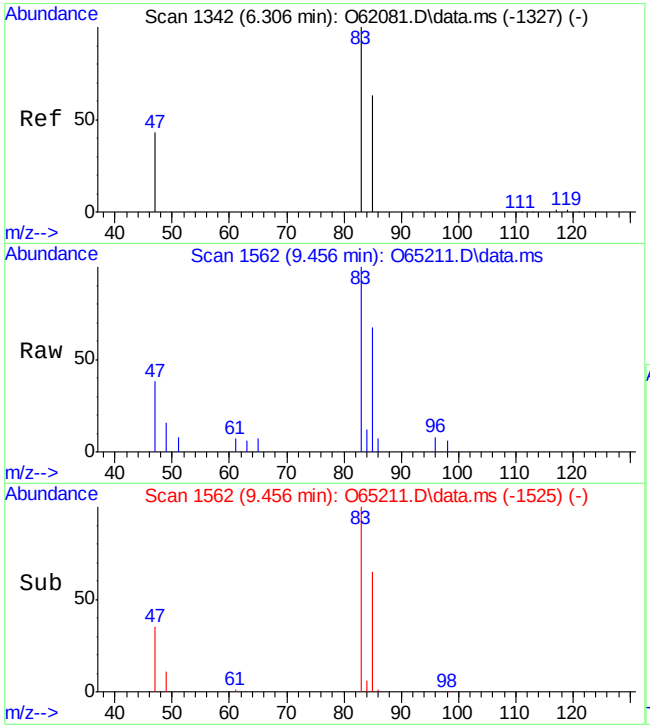


#5
Methylene Chloride
Concen: 0.31 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65211.D
Acq: 14 Sep 2021 3:50 am

Tgt Ion: 49 Resp: 3468

Ion	Ratio	Lower	Upper
49	100		
84	58.6	35.5	95.5
86	39.4	12.8	72.8

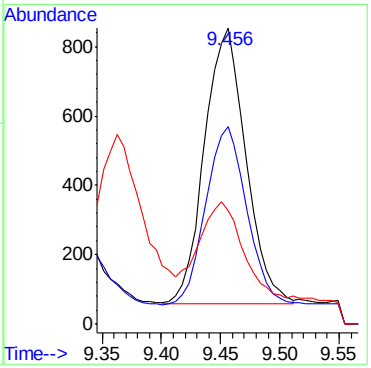


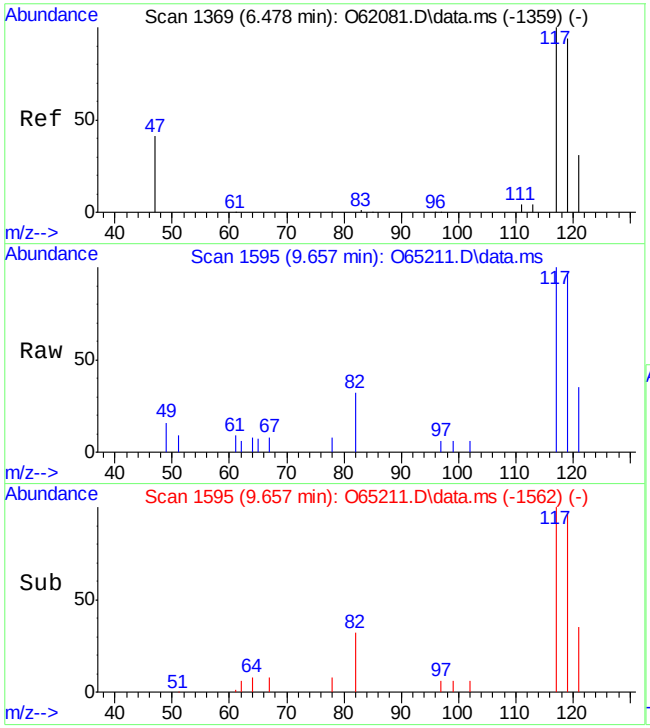


#9
Chloroform
Concen: 0.21 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65211.D
Acq: 14 Sep 2021 3:50 am

Tgt Ion: 83 Resp: 1940

Ion	Ratio	Lower	Upper
83	100		
85	66.5	33.7	93.7
47	38.3	5.1	65.1

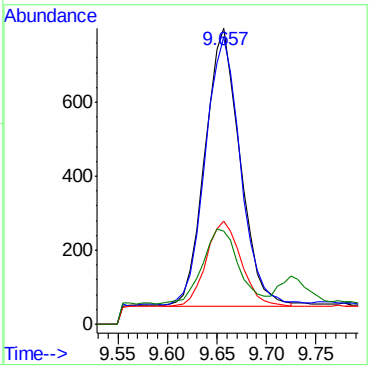


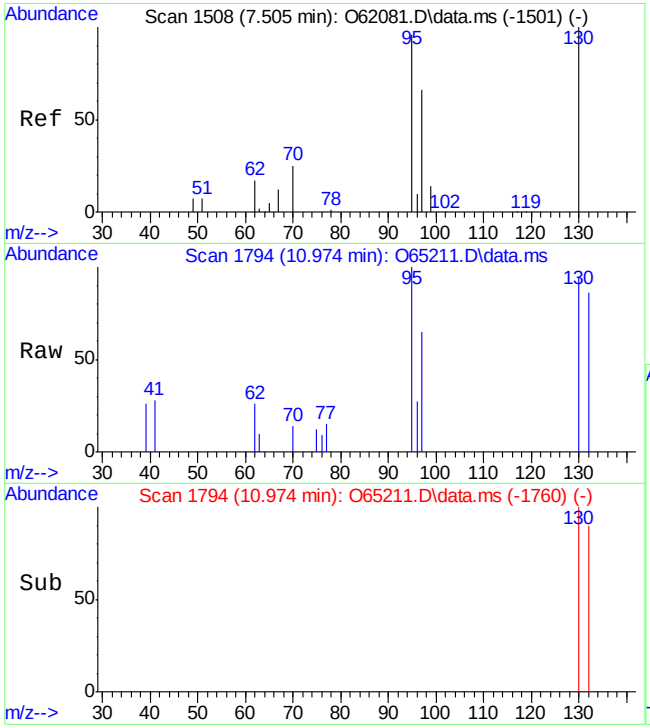


#10
Carbon Tetrachloride
Concen: 0.32 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65211.D
Acq: 14 Sep 2021 3:50 am

Tgt Ion:117 Resp: 1832

Ion	Ratio	Lower	Upper
117	100		
119	97.1	68.2	128.2
121	35.0	1.1	61.1
82	31.6	0.0	54.2

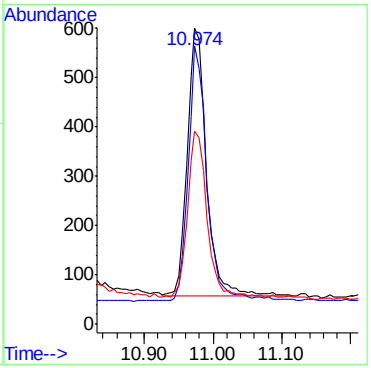




#15
Trichloroethene
Concen: 0.20 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65211.D
Acq: 14 Sep 2021 3:50 am

Tgt Ion: 95 Resp: 1044

Ion	Ratio	Lower	Upper
95	100		
130	95.2	69.9	129.9
97	61.8	34.0	94.0



Manual Integration Approval Summary

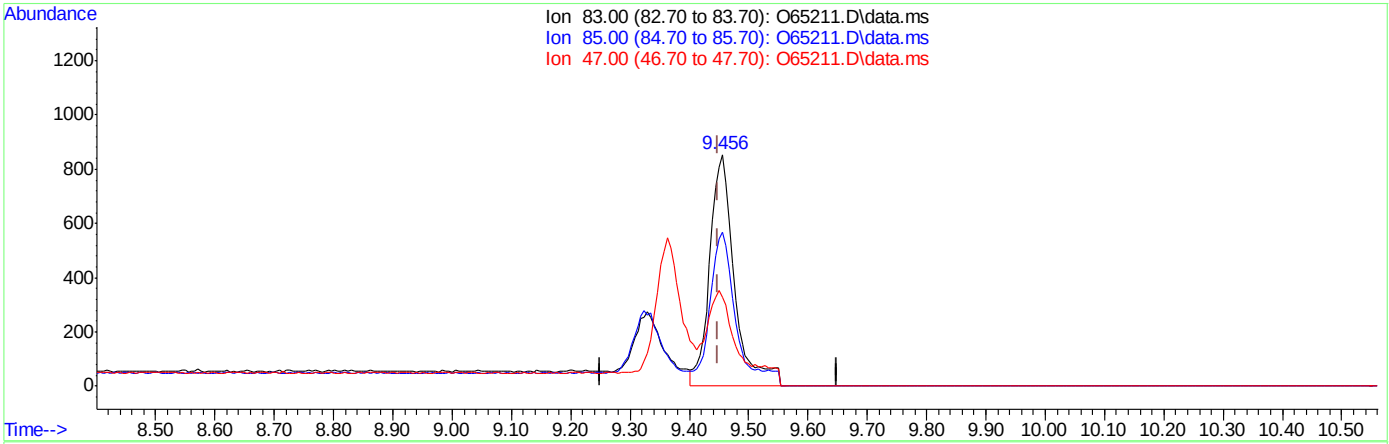
Sample Number: FA88736-20
Lab FileID: O65211.D
Injection Time: 09/14/21 03:50
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

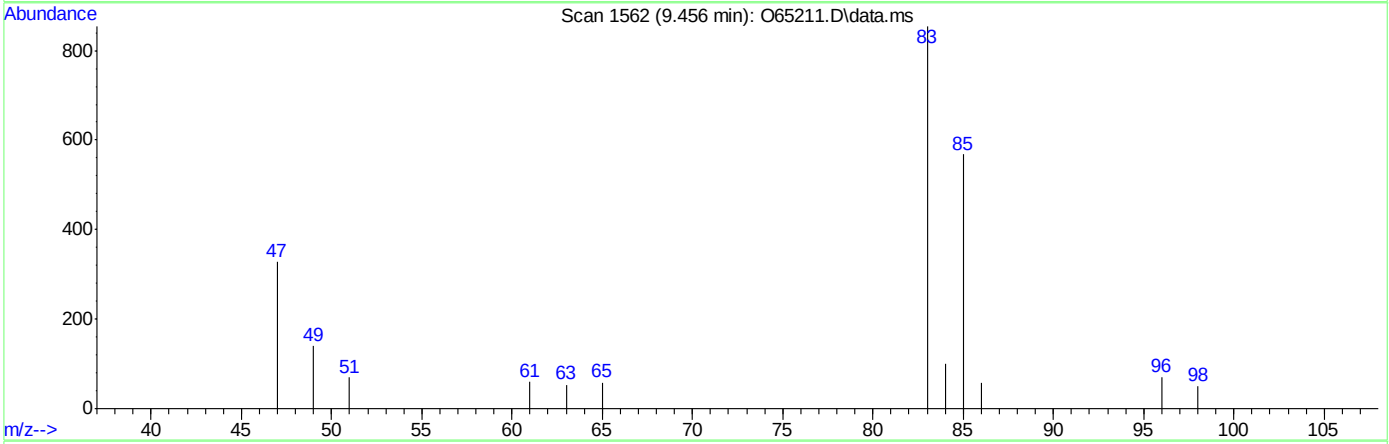
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:32:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65211.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.27ug/L

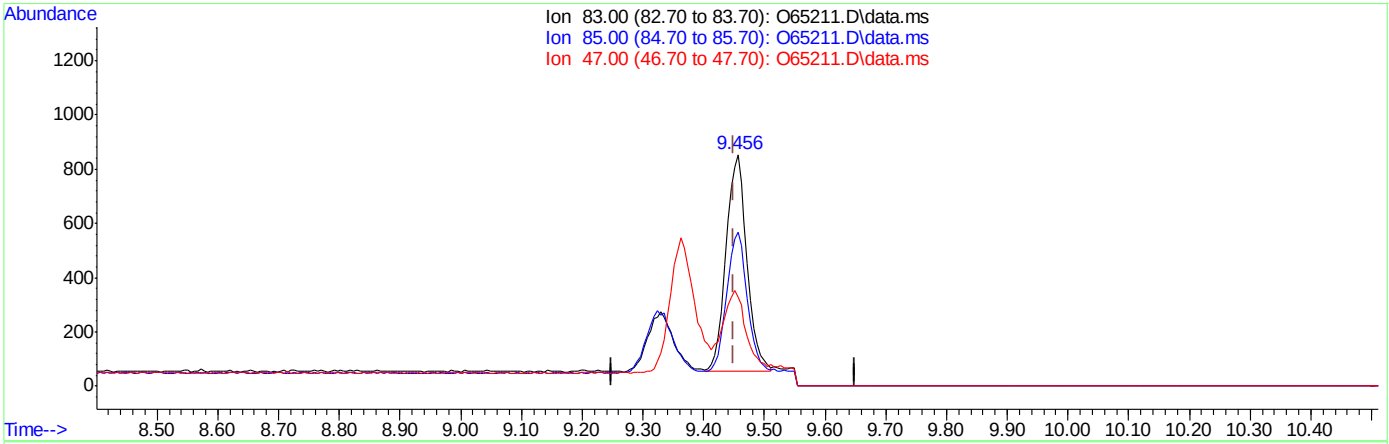
response 2488

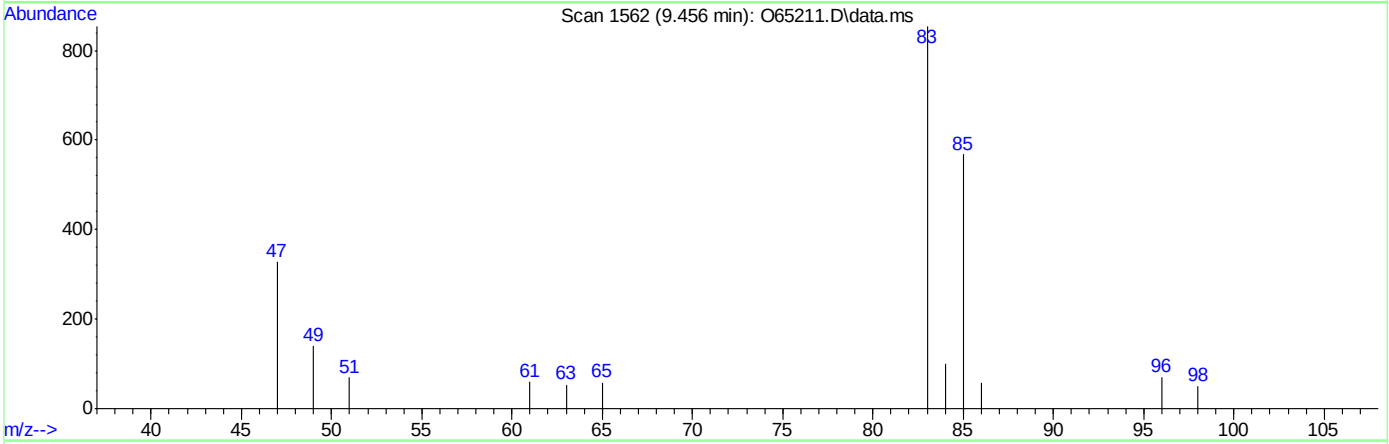
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.51
47.00	35.10	38.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:32:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65211.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.21ug/L m

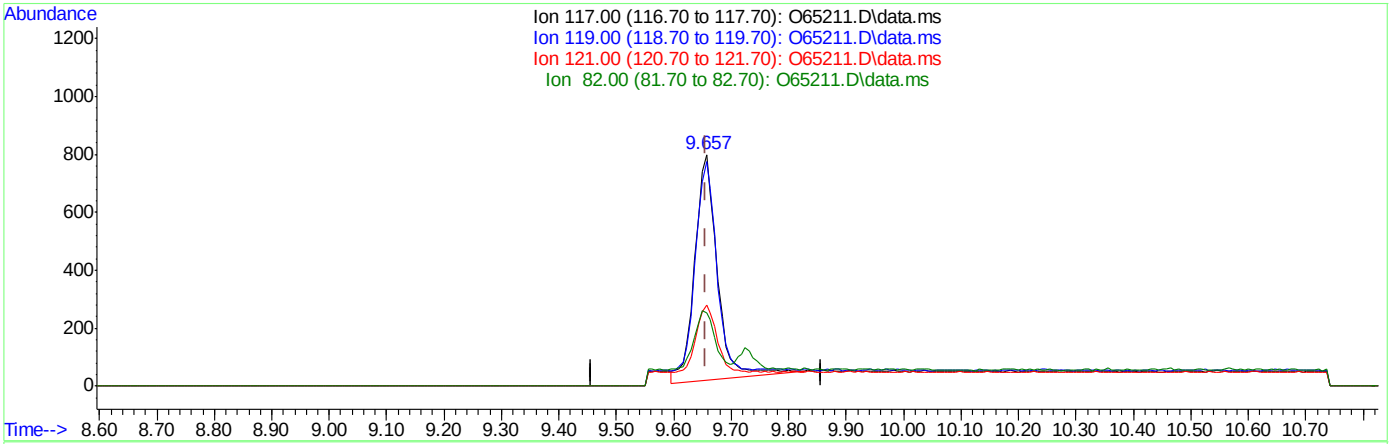
response 1940

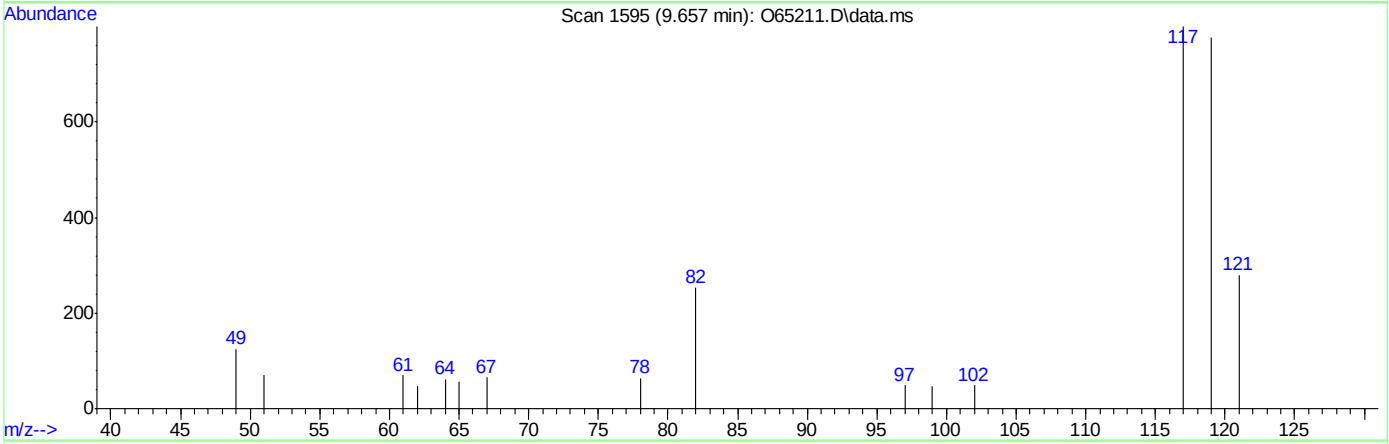
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.51
47.00	35.10	38.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:32:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65211.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.37ug/L

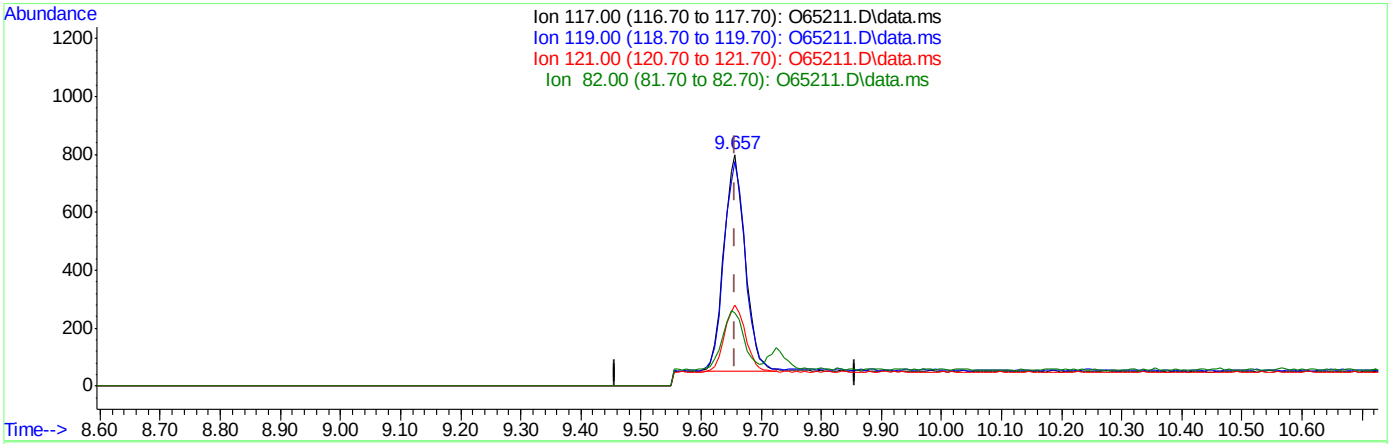
response 2121

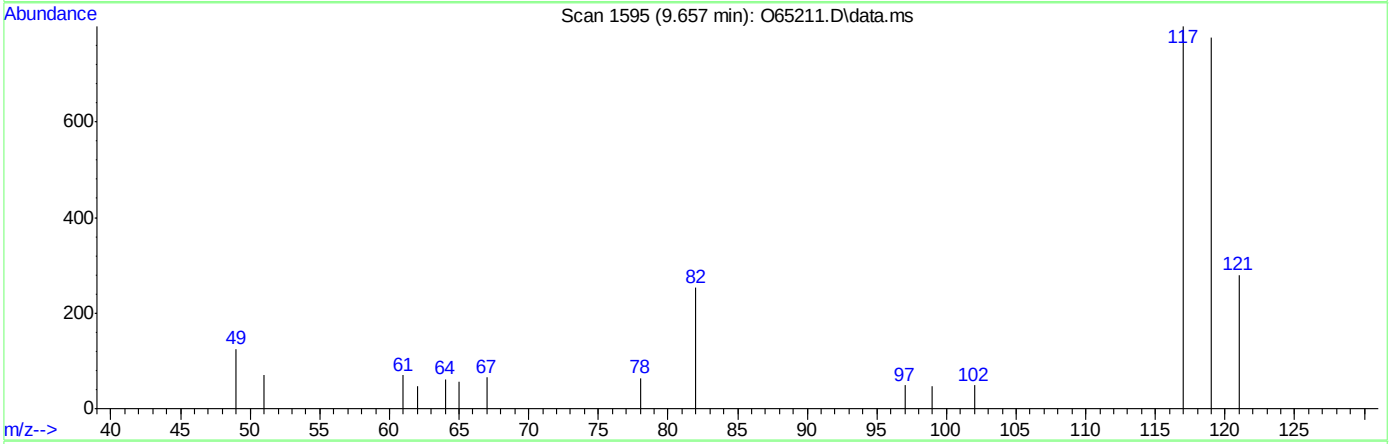
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.06
121.00	31.10	30.88
82.00	24.20	26.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65211.D
Acq On : 14 Sep 2021 3:50 am
Operator : charleng
Sample : FA88736-20 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 14 11:32:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65211.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.32ug/L m

response 1832

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.13
121.00	31.10	35.00
82.00	24.20	31.62

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65212.D
Acq On : 14 Sep 2021 4:14 am
Operator : charleng
Sample : FA88736-21 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 14 11:38:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

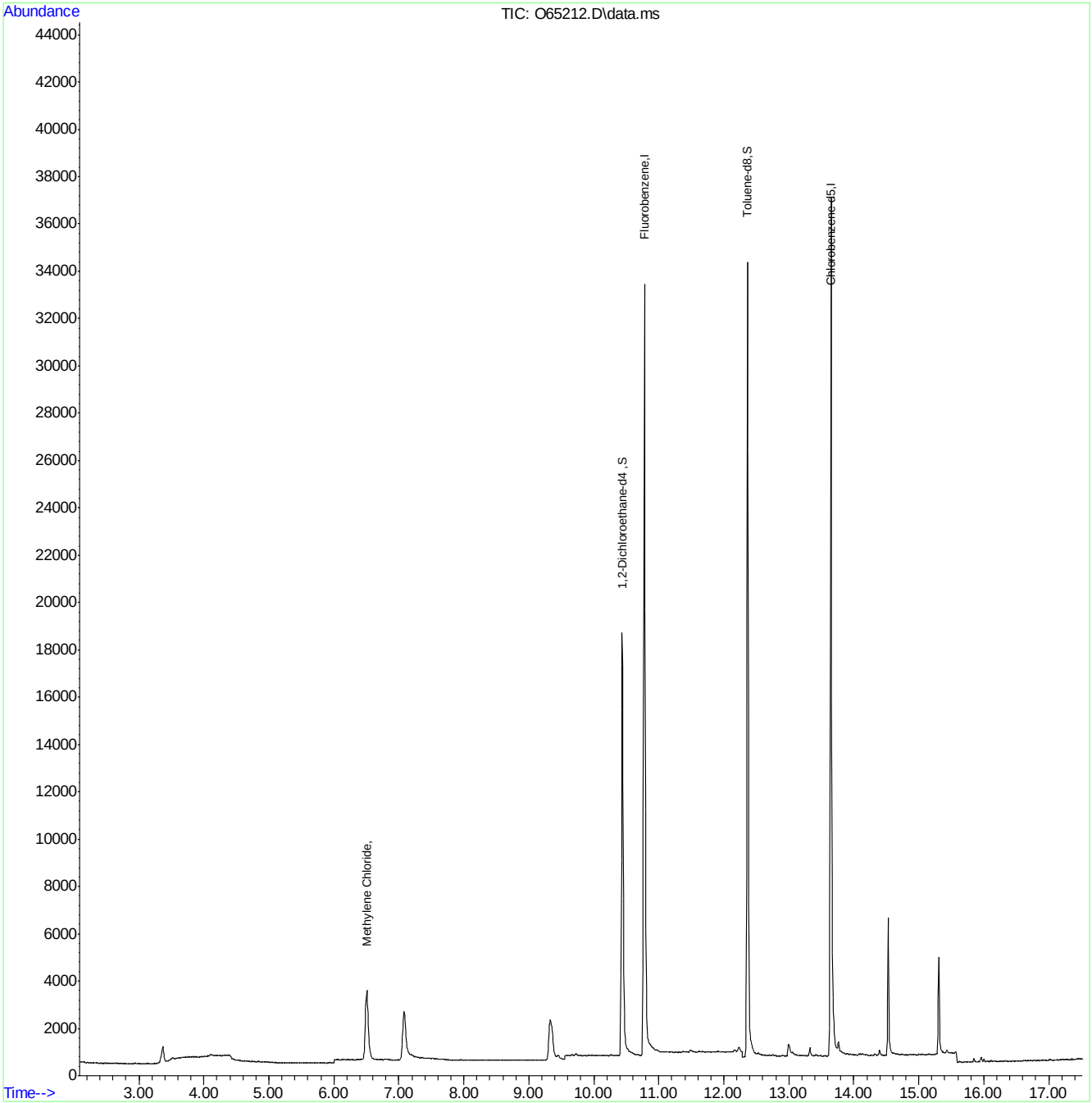
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38730	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27469	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17167	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	30709	4.79	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3732	0.35	ug/L	88

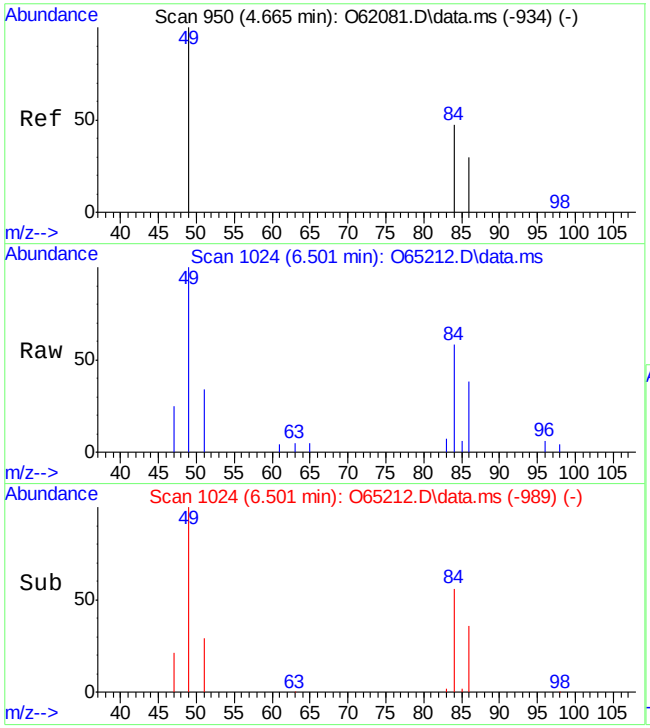
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65212.D
Acq On : 14 Sep 2021 4:14 am
Operator : charleng
Sample : FA88736-21 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 14 11:38:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

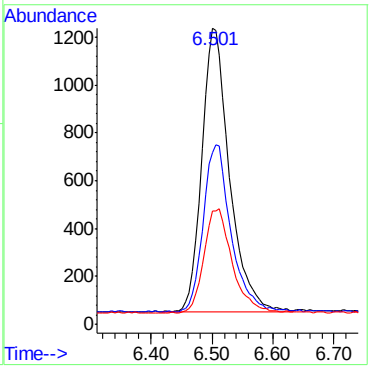




#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65212.D
Acq: 14 Sep 2021 4:14 am

Tgt Ion: 49 Resp: 3732

Ion	Ratio	Lower	Upper
49	100		
84	55.9	35.5	95.5
86	36.0	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:38:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

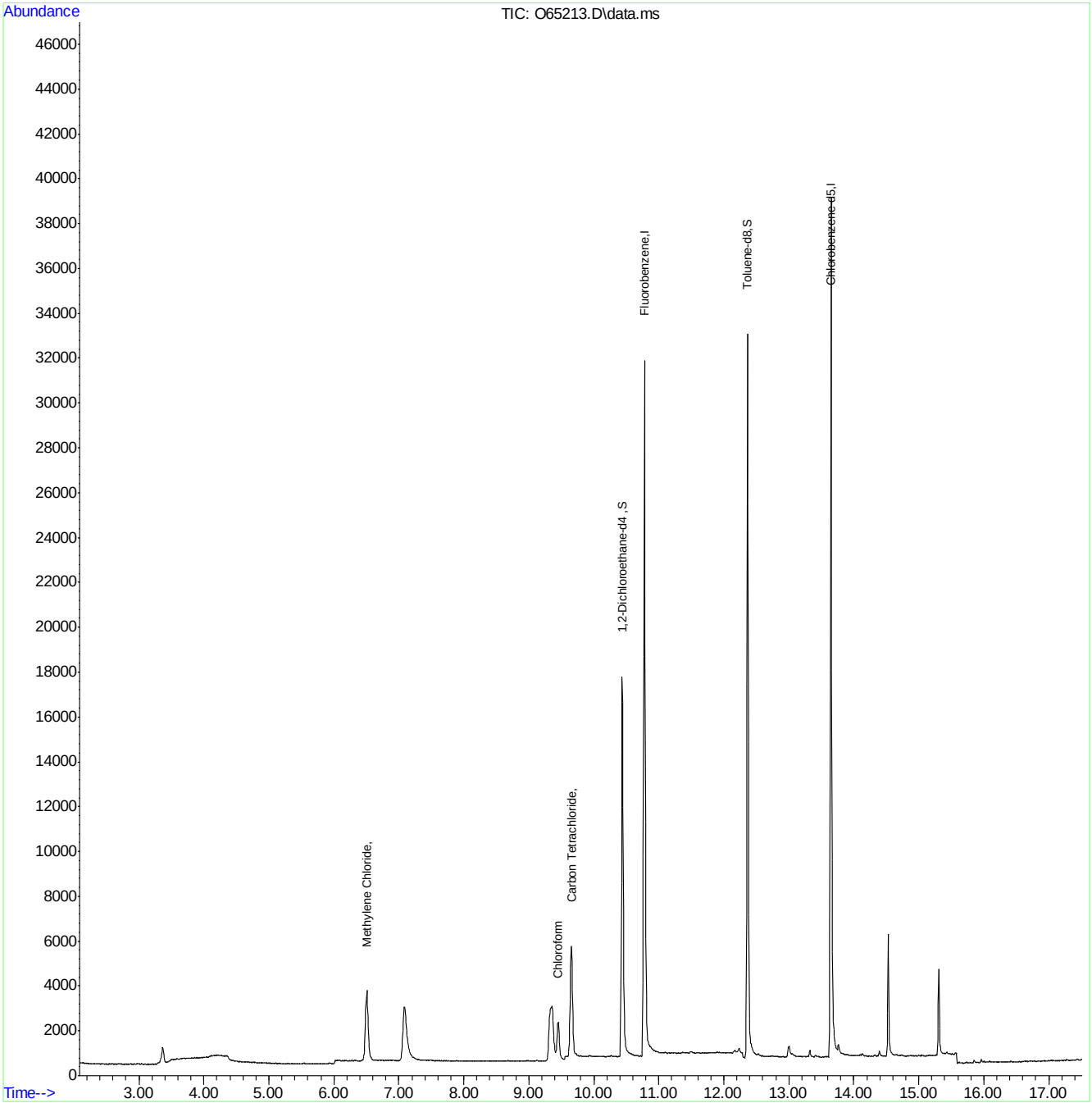
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36577	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25934	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16240	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	28732	4.74	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3744	0.37	ug/L	89
9) Chloroform	9.450	83	1887m	0.22	ug/L	
10) Carbon Tetrachloride	9.657	117	4632m	0.89	ug/L	

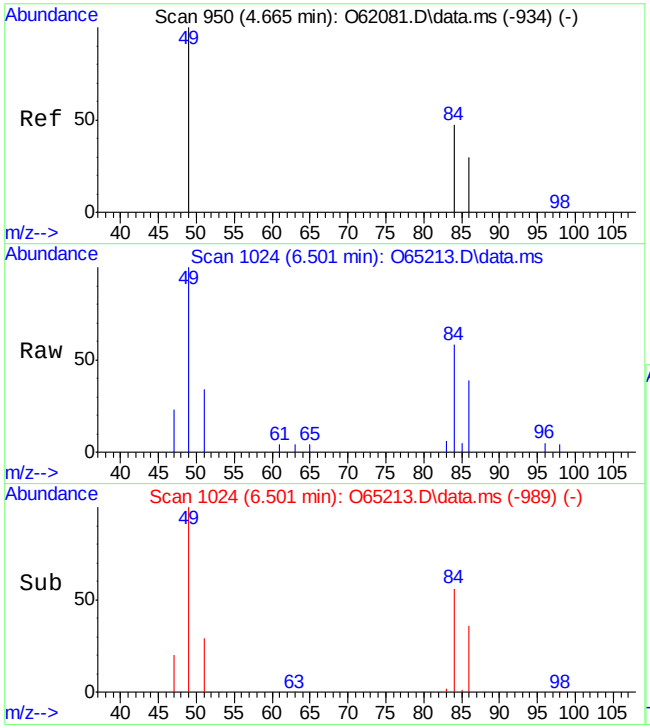
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:38:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

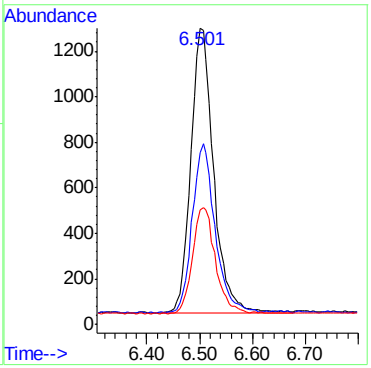


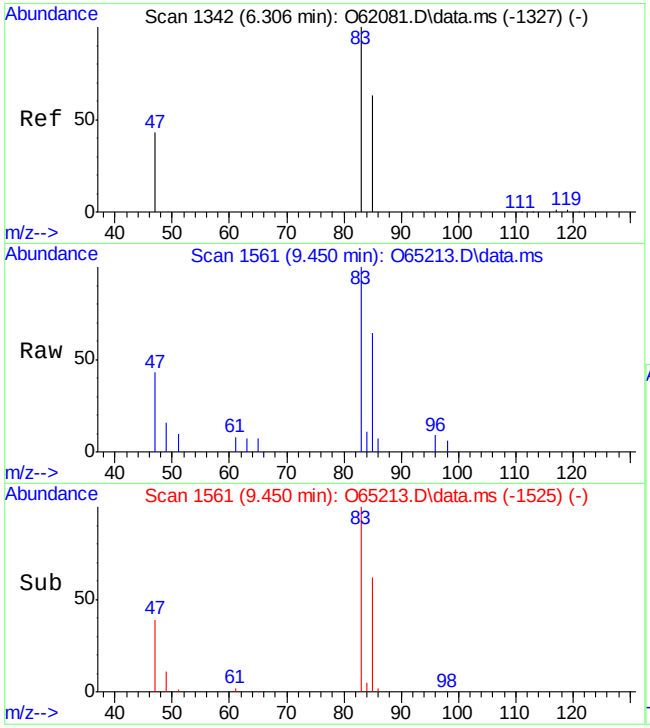


#5
Methylene Chloride
Concen: 0.37 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65213.D
Acq: 14 Sep 2021 4:37 am

Tgt Ion: 49 Resp: 3744

Ion	Ratio	Lower	Upper
49	100		
84	56.2	35.5	95.5
86	36.4	12.8	72.8

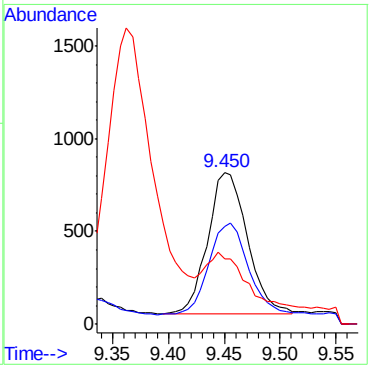


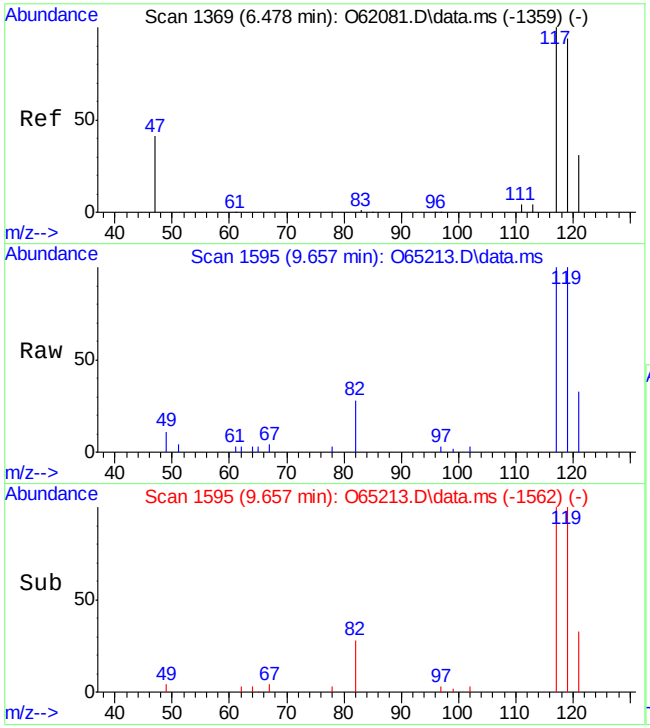


#9
Chloroform
Concen: 0.22 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65213.D
Acq: 14 Sep 2021 4:37 am

Tgt Ion: 83 Resp: 1887

Ion	Ratio	Lower	Upper
83	100		
85	64.3	33.7	93.7
47	43.0	5.1	65.1

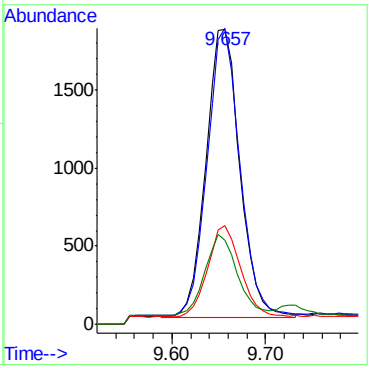




#10
Carbon Tetrachloride
Concen: 0.89 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65213.D
Acq: 14 Sep 2021 4:37 am

Tgt Ion:117 Resp: 4632

Ion	Ratio	Lower	Upper
117	100		
119	100.5	68.2	128.2
121	33.6	1.1	61.1
82	28.5	0.0	54.2



Manual Integration Approval Summary

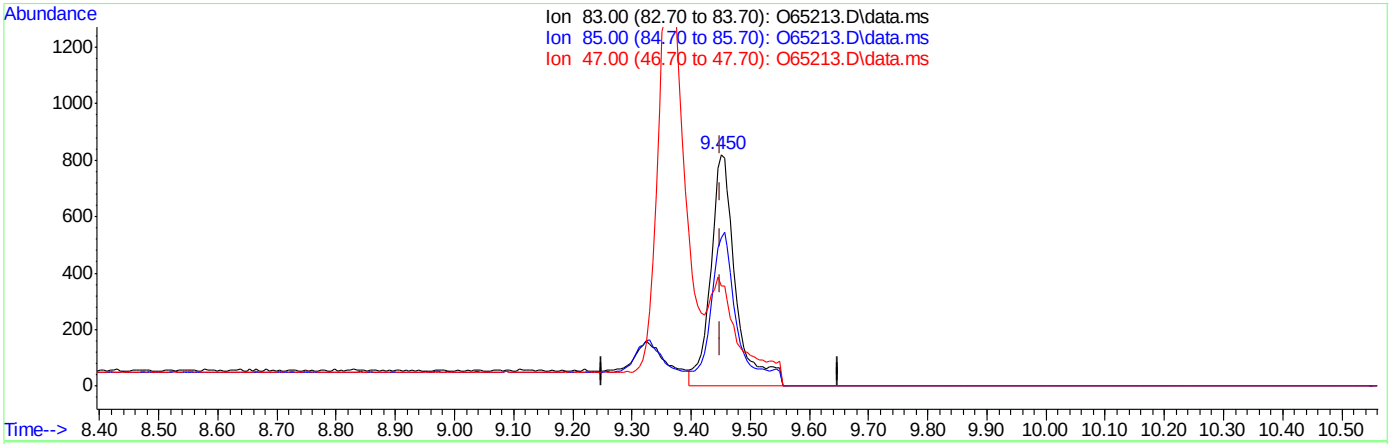
Sample Number: FA88736-22
Lab FileID: O65213.D
Injection Time: 09/14/21 04:37
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

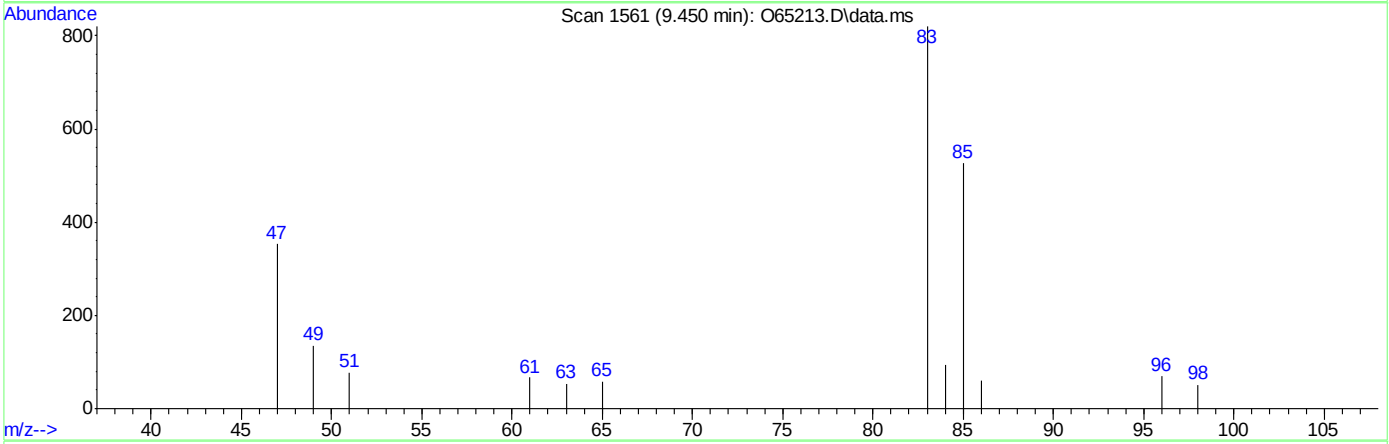
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:32:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65213.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.29ug/L

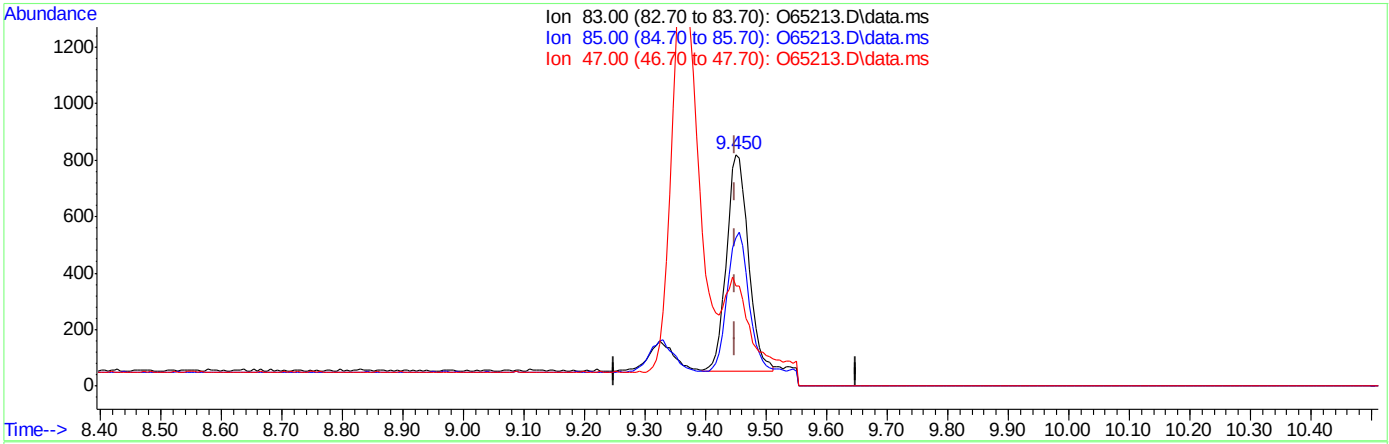
response 2440

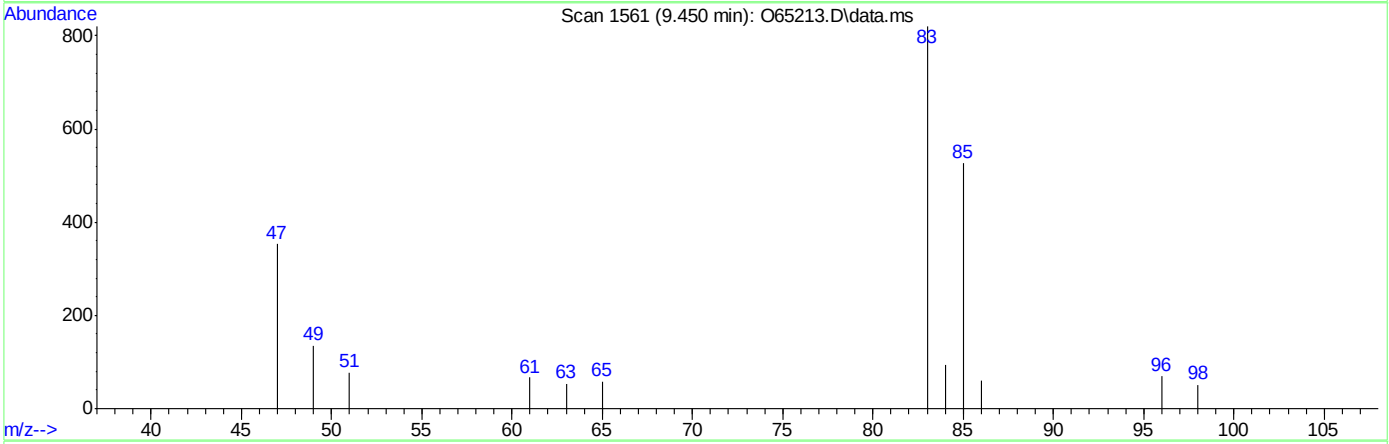
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.27
47.00	35.10	43.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:32:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65213.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.22ug/L m

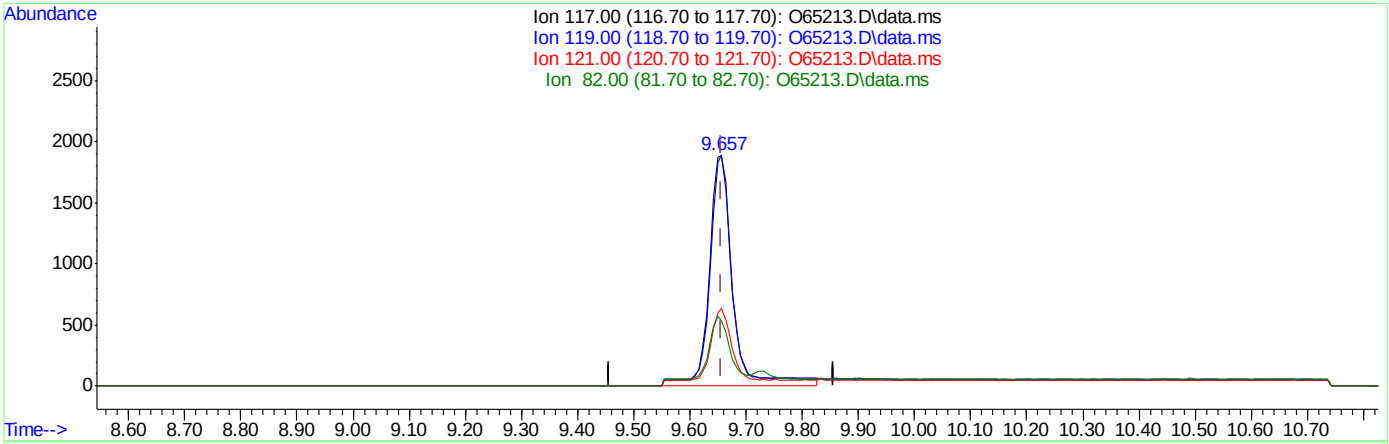
response 1887

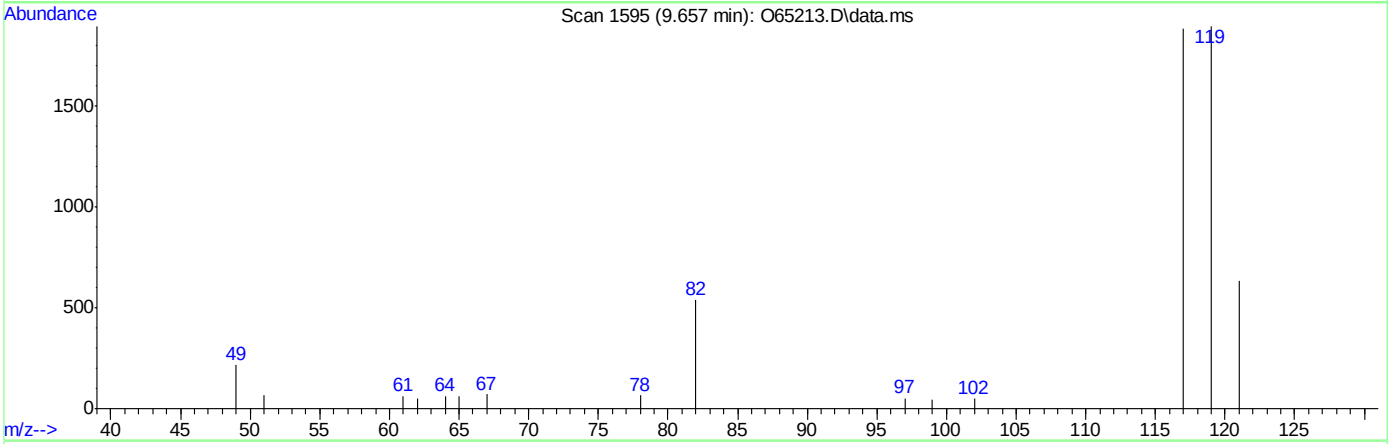
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.27
47.00	35.10	43.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:32:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65213.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 1.05ug/L

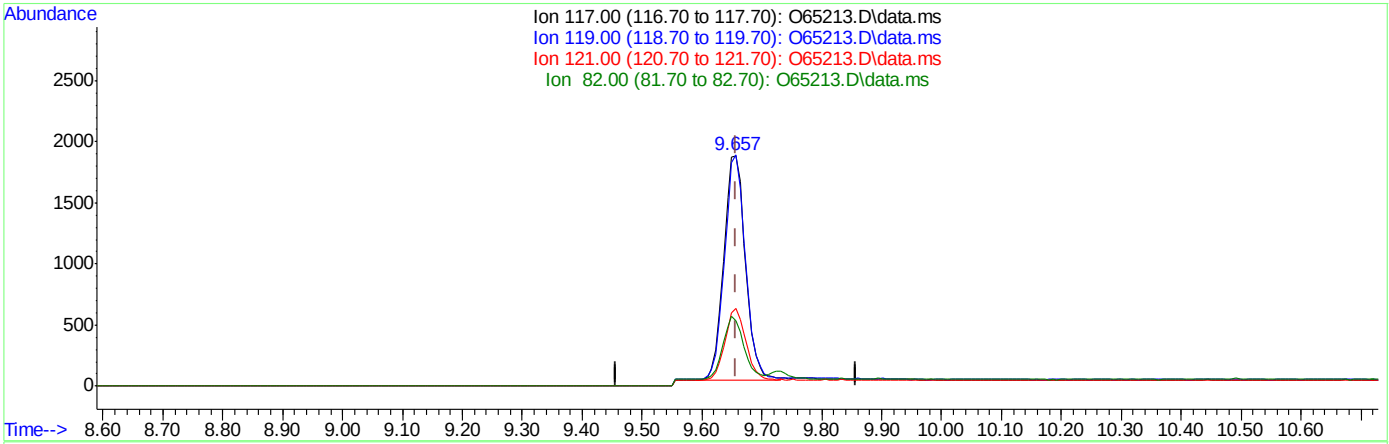
response 5450

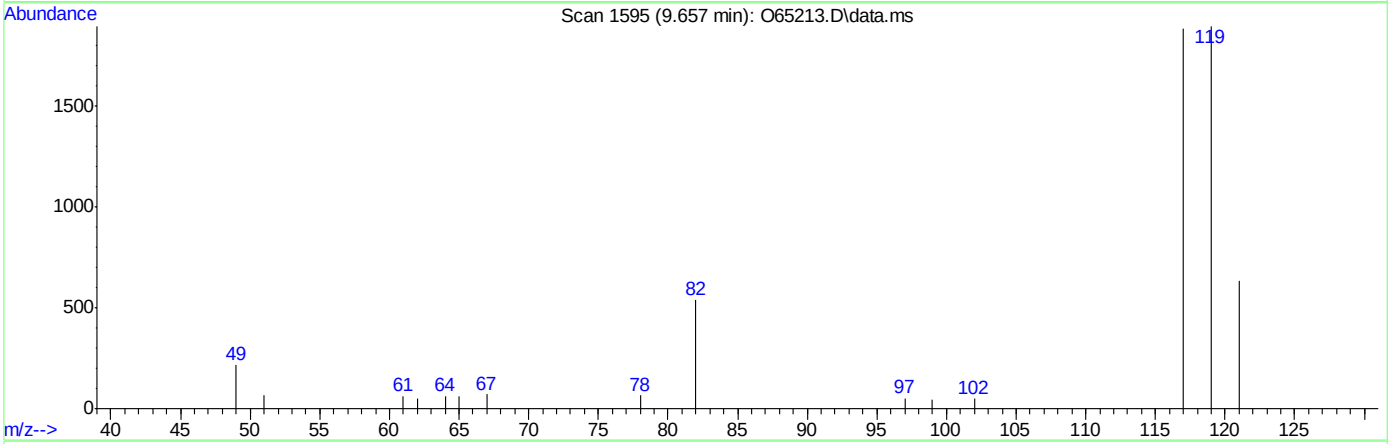
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.48
121.00	31.10	33.60
82.00	24.20	28.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65213.D
Acq On : 14 Sep 2021 4:37 am
Operator : charleng
Sample : FA88736-22 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 14 11:32:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65213.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.89ug/L m

response 4632

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.48
121.00	31.10	33.60
82.00	24.20	28.46

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:38:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

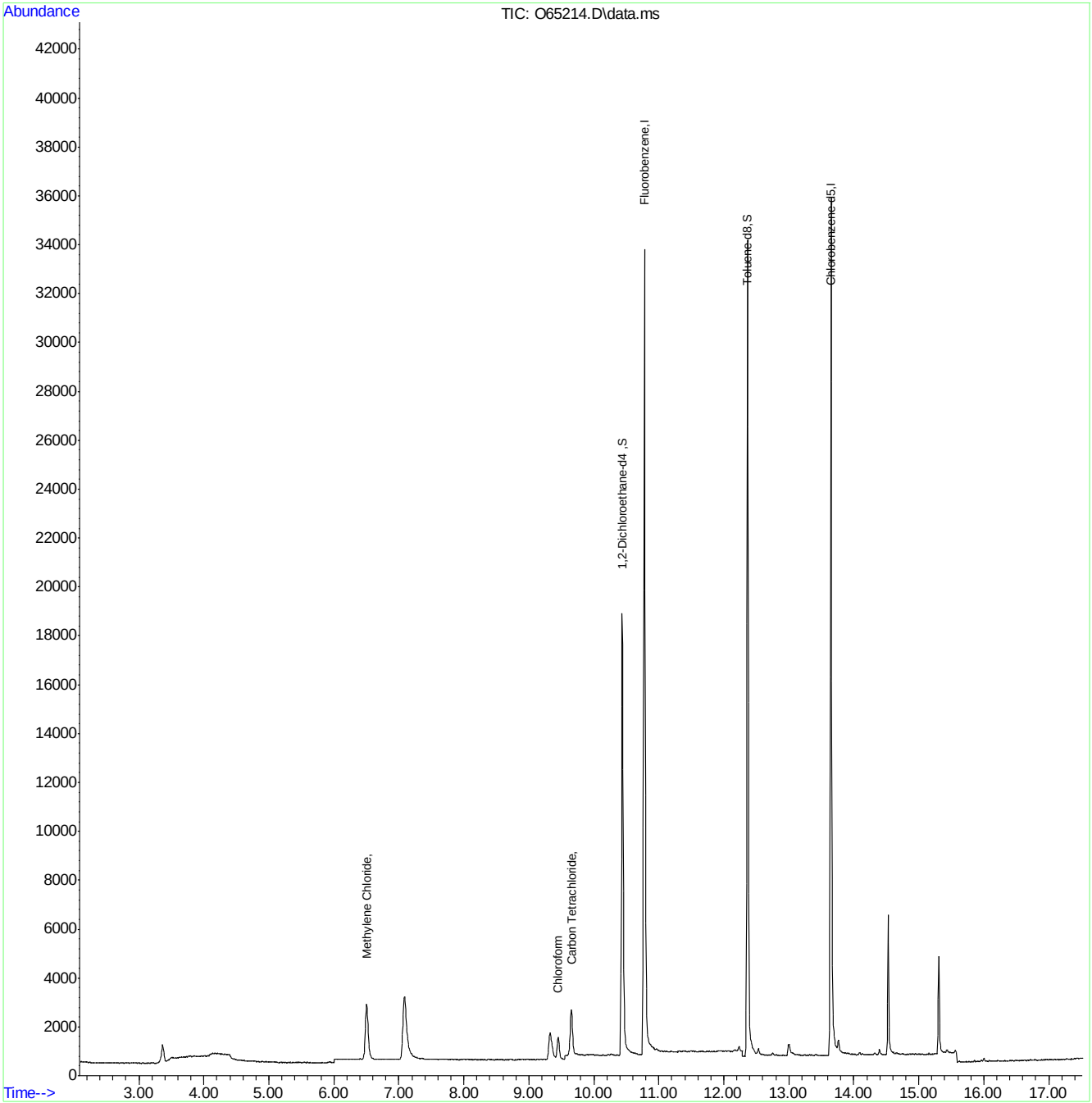
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38574	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	26832	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17112	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	12.367	98	30982	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	2779	0.26	ug/L	90
9) Chloroform	9.450	83	1003m	0.11	ug/L	
10) Carbon Tetrachloride	9.656	117	1734m	0.32	ug/L	

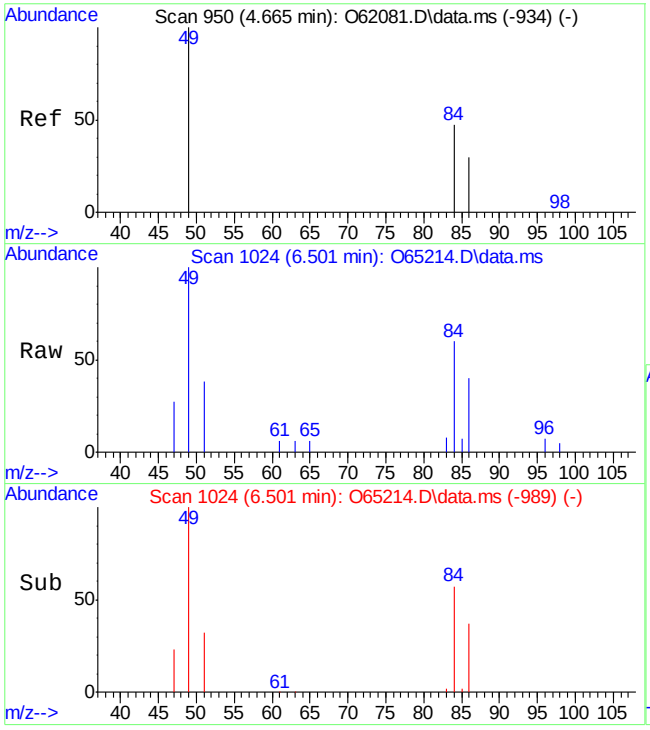
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:38:45 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

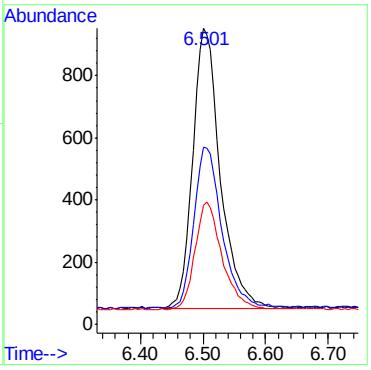


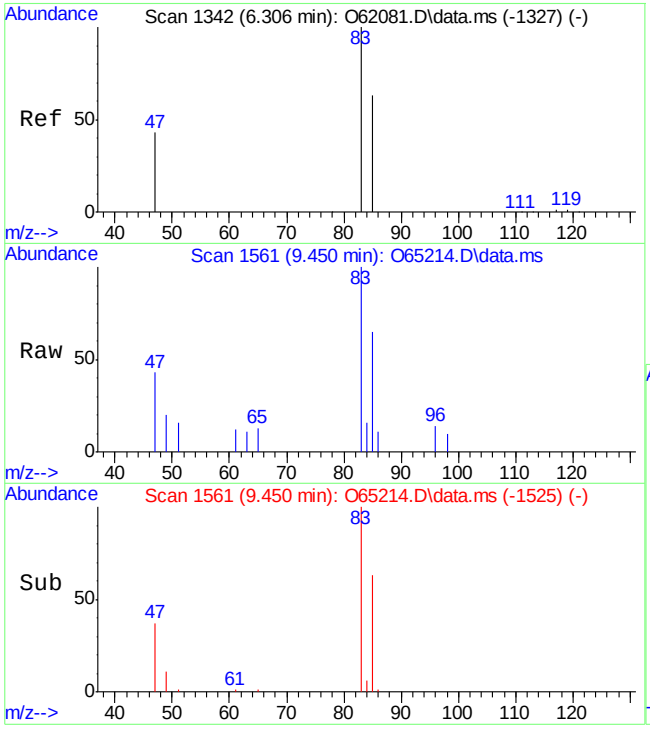


#5
Methylene Chloride
Concen: 0.26 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65214.D
Acq: 14 Sep 2021 5:00 am

Tgt Ion: 49 Resp: 2779

Ion	Ratio	Lower	Upper
49	100		
84	57.6	35.5	95.5
86	36.8	12.8	72.8

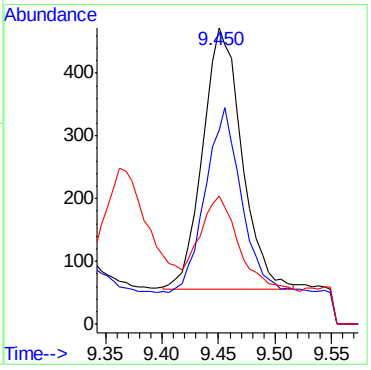


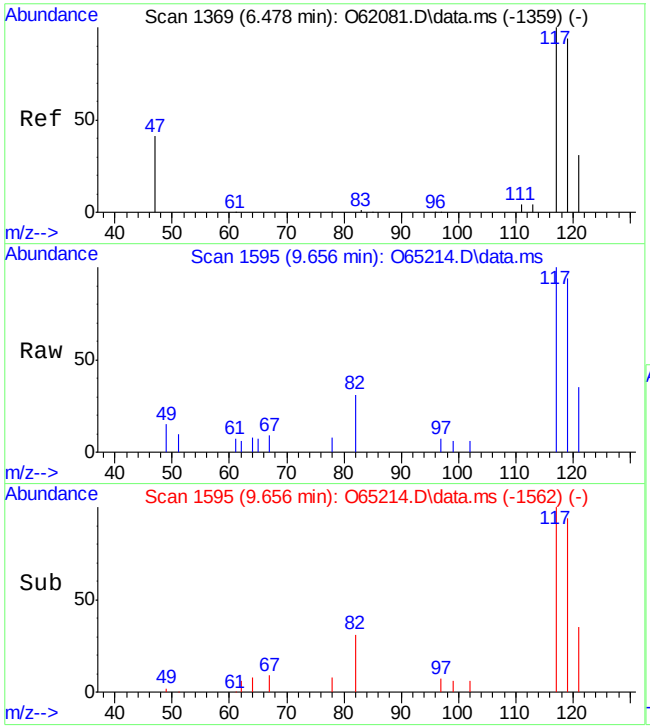


#9
Chloroform
Concen: 0.11 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65214.D
Acq: 14 Sep 2021 5:00 am

Tgt Ion: 83 Resp: 1003

Ion	Ratio	Lower	Upper
83	100		
85	65.5	33.7	93.7
47	43.2	5.1	65.1

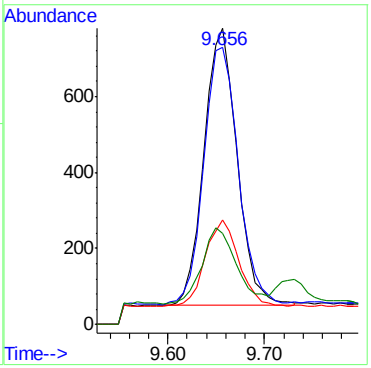




#10
Carbon Tetrachloride
Concen: 0.32 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65214.D
Acq: 14 Sep 2021 5:00 am

Tgt Ion:117 Resp: 1734

Ion	Ratio	Lower	Upper
117	100		
119	93.6	68.2	128.2
121	35.3	1.1	61.1
82	30.6	0.0	54.2



Manual Integration Approval Summary

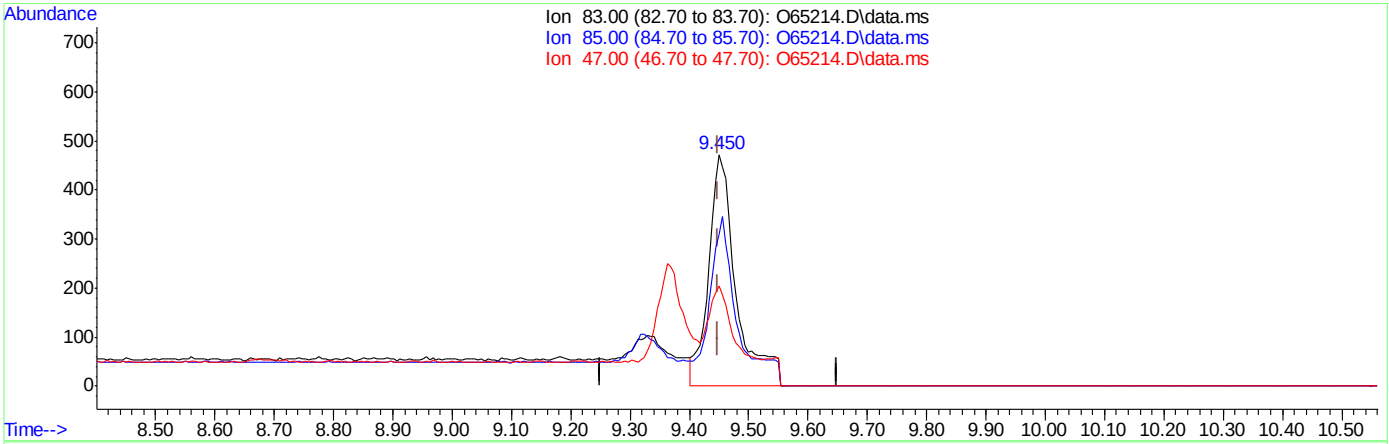
Sample Number: FA88736-23
Lab FileID: O65214.D
Injection Time: 09/14/21 05:00
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

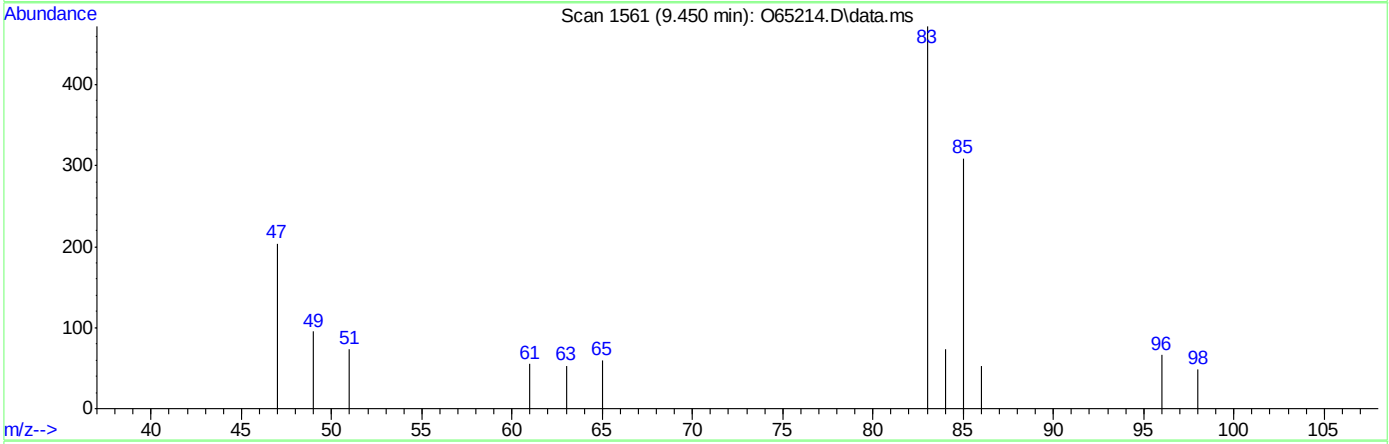
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:32:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65214.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.17ug/L

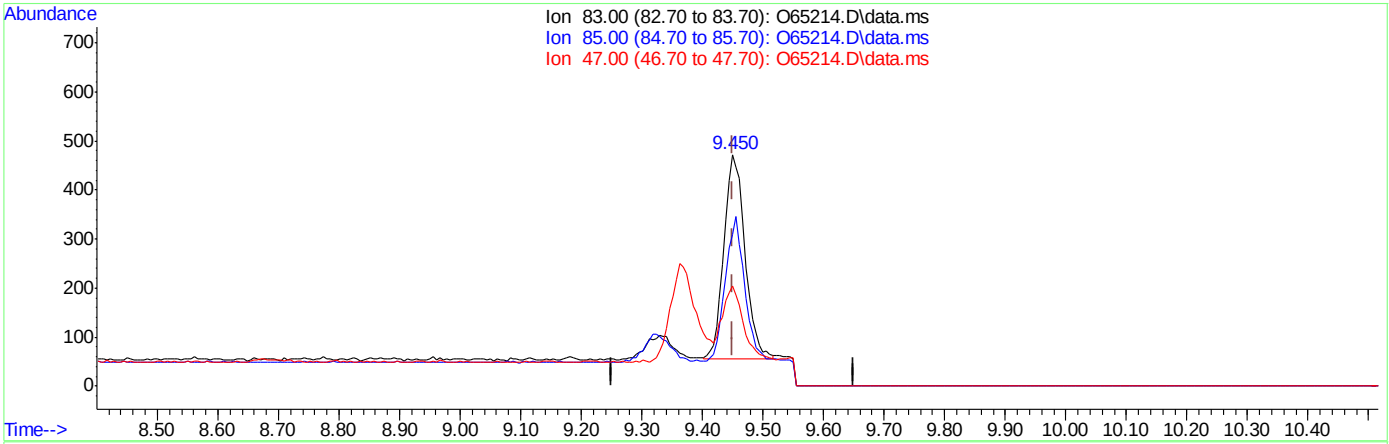
response 1522

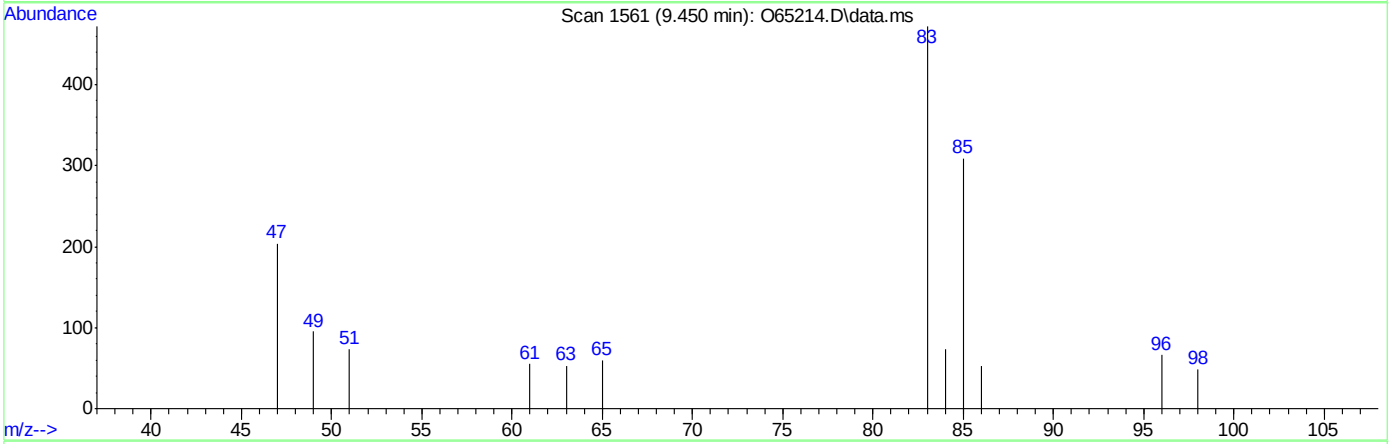
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.47
47.00	35.10	43.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:32:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65214.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.11ug/L m

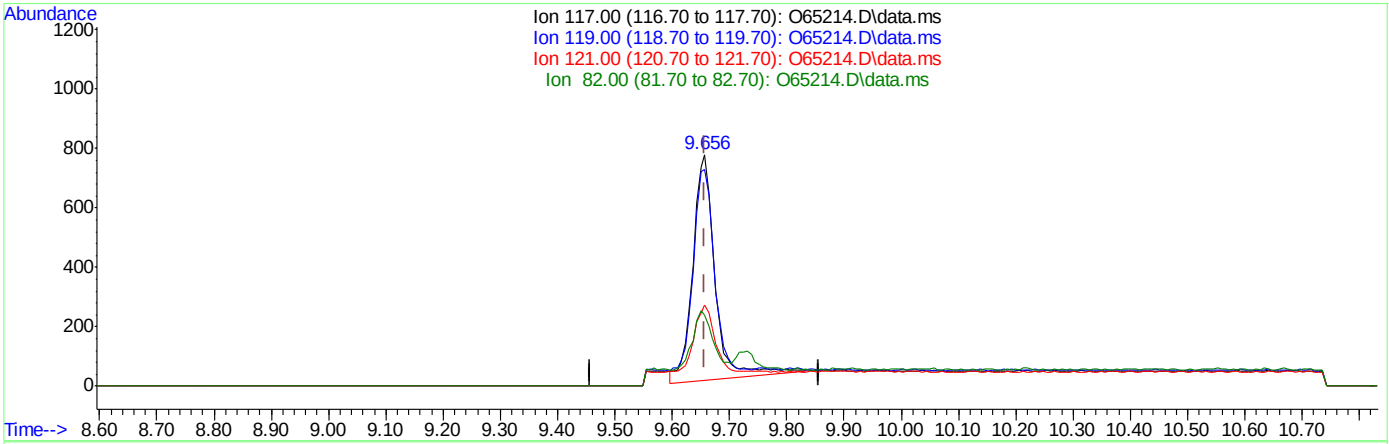
response 1003

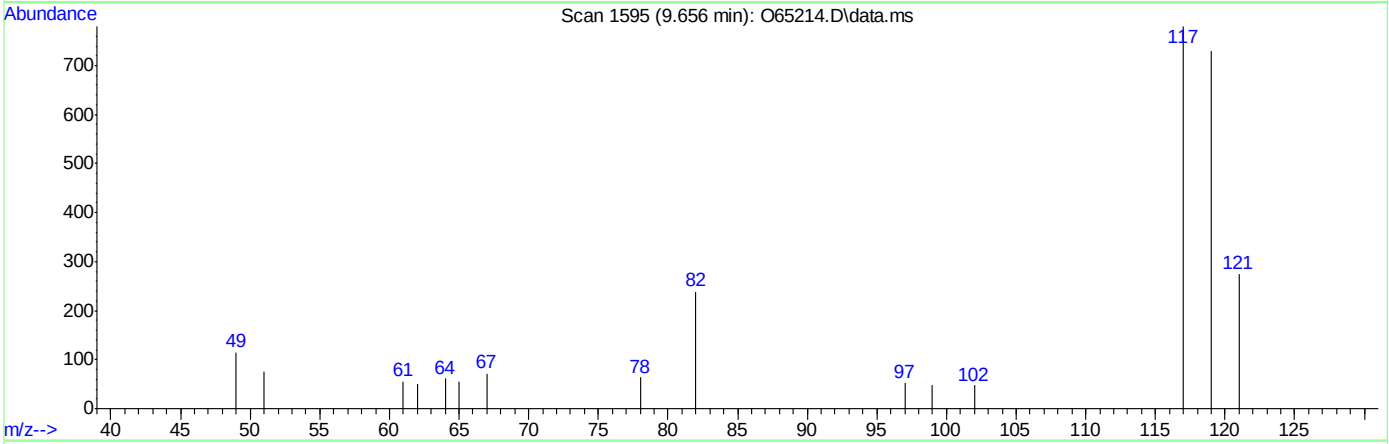
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.47
47.00	35.10	43.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:32:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65214.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.37ug/L

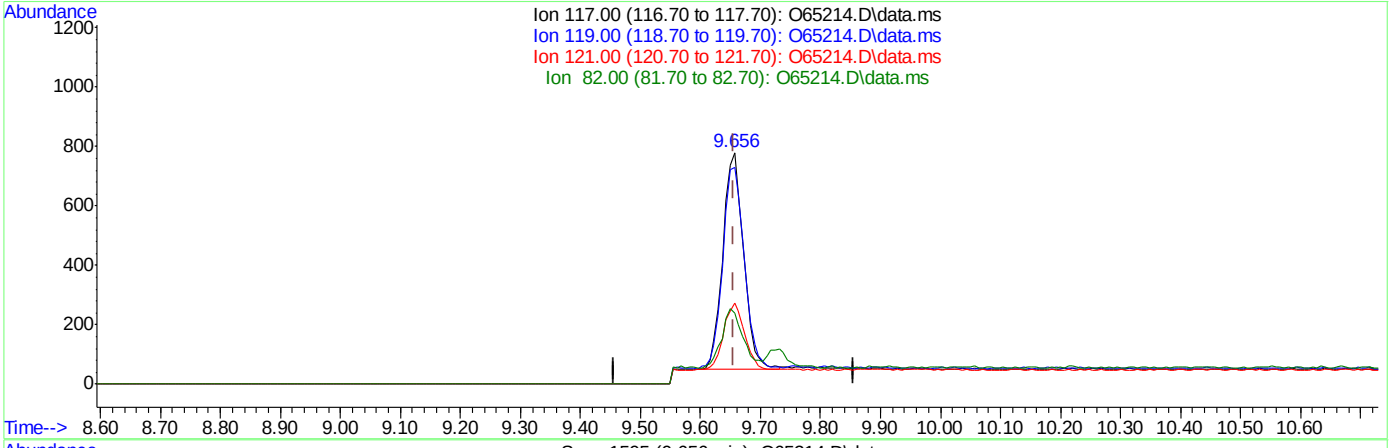
response 2055

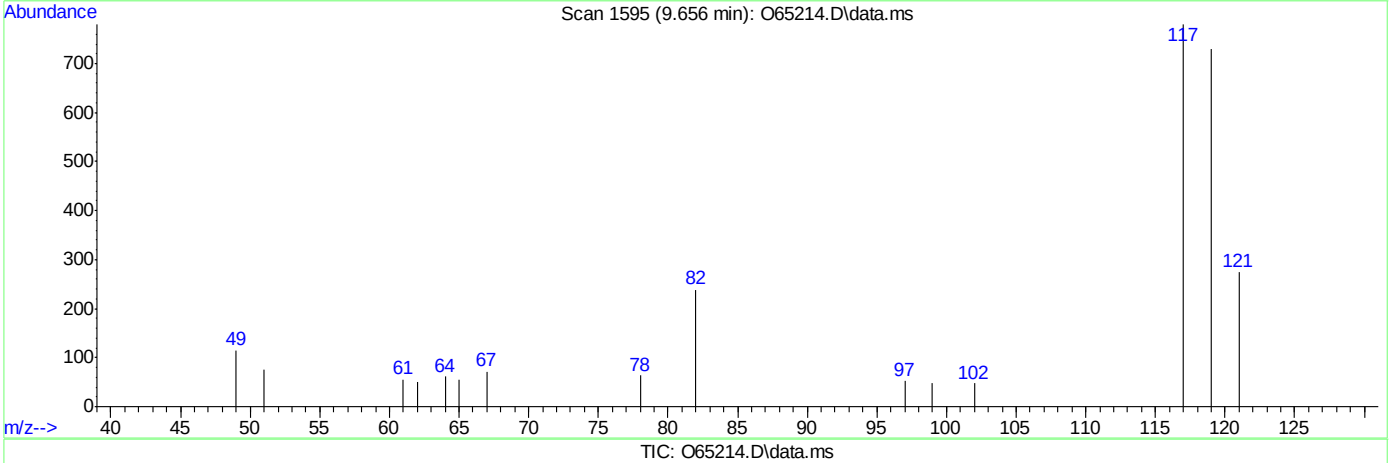
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.00
121.00	31.10	31.14
82.00	24.20	25.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65214.D
Acq On : 14 Sep 2021 5:00 am
Operator : charleng
Sample : FA88736-23 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 14 11:32:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65214.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.32ug/L m

response 1734

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.59
121.00	31.10	35.26
82.00	24.20	30.64

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65215.D
Acq On : 14 Sep 2021 5:23 am
Operator : charleng
Sample : FA88736-24 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 14 11:38:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

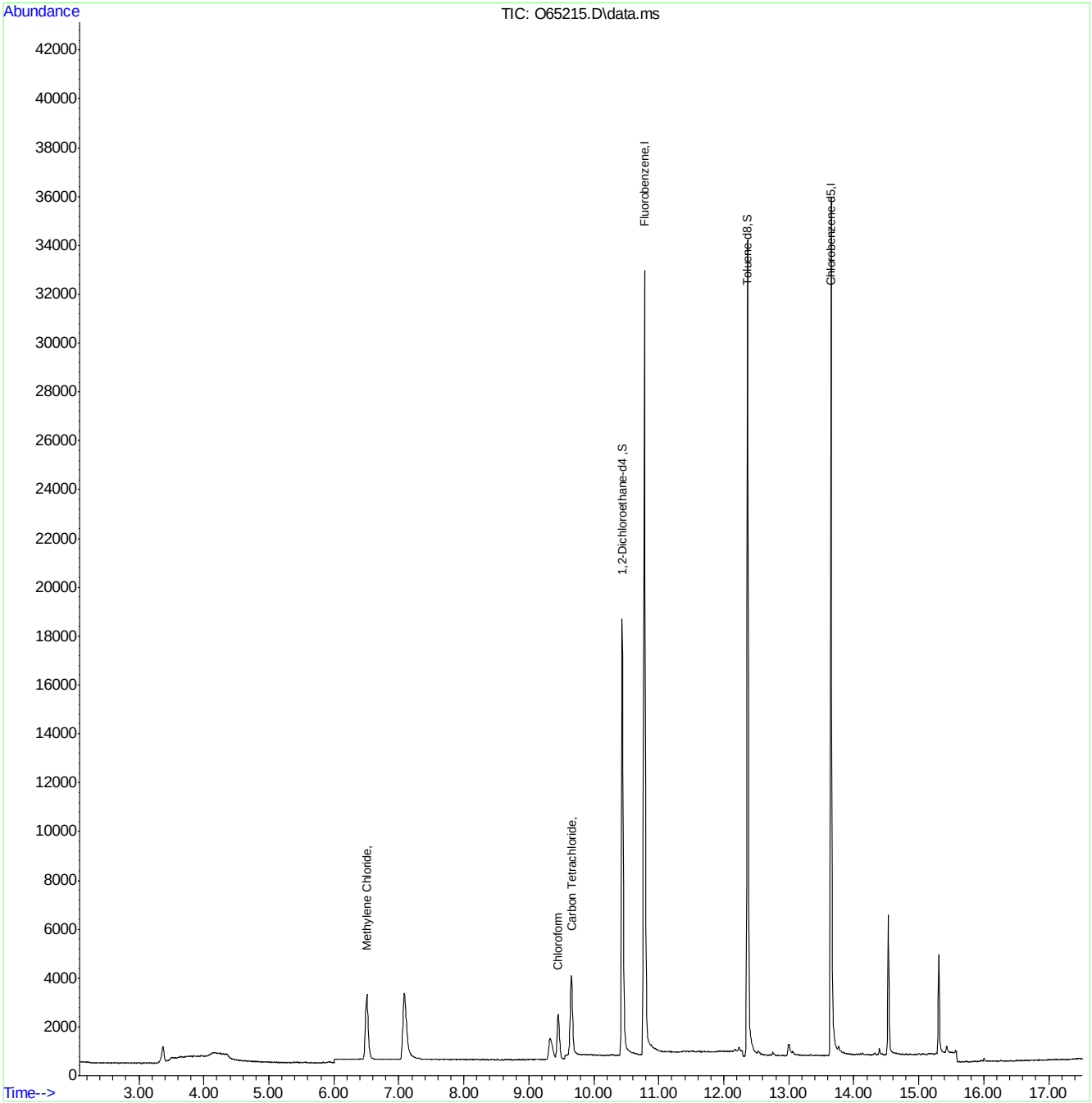
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38342	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	26881	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16944	5.22	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.40%			
19) Toluene-d8	12.367	98	30097	4.79	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3170	0.30	ug/L	89
9) Chloroform	9.450	83	2156m	0.24	ug/L	
10) Carbon Tetrachloride	9.657	117	3075	0.56	ug/L	98

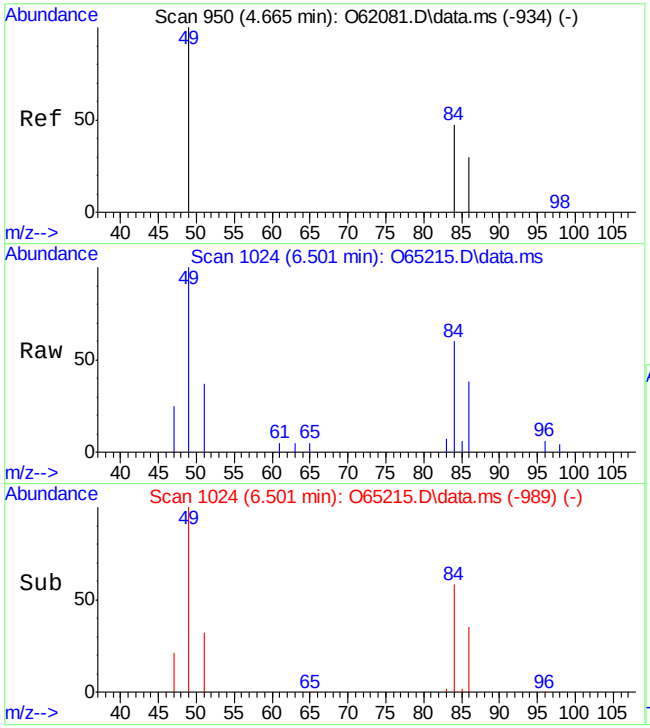
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65215.D
Acq On : 14 Sep 2021 5:23 am
Operator : charleng
Sample : FA88736-24 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 14 11:38:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

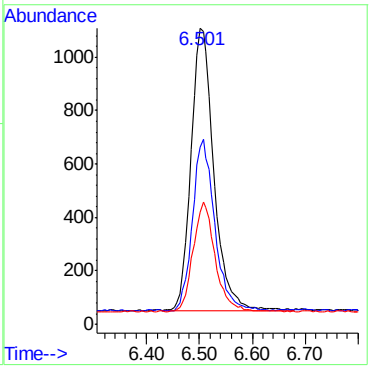


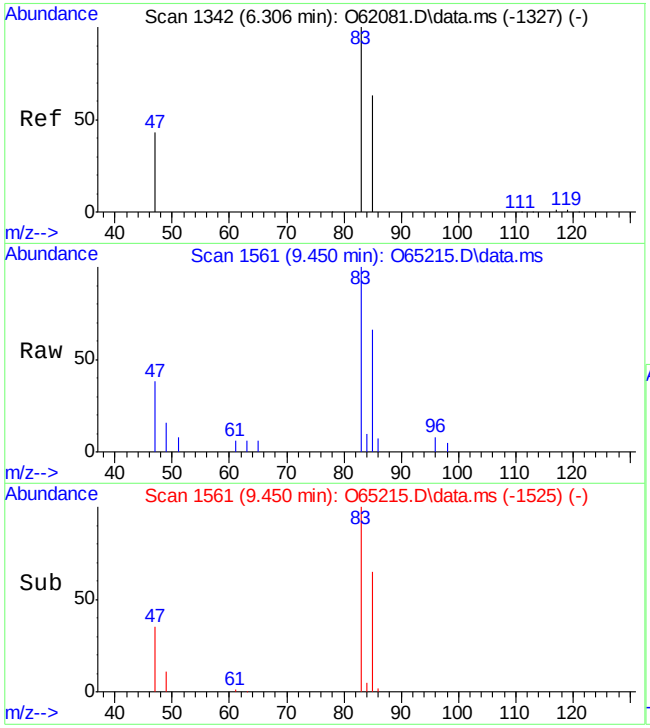


#5
Methylene Chloride
Concen: 0.30 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65215.D
Acq: 14 Sep 2021 5:23 am

Tgt Ion: 49 Resp: 3170

Ion	Ratio	Lower	Upper
49	100		
84	57.8	35.5	95.5
86	35.0	12.8	72.8

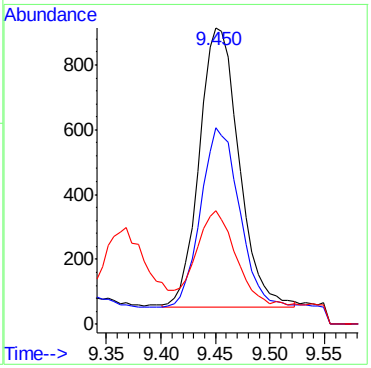


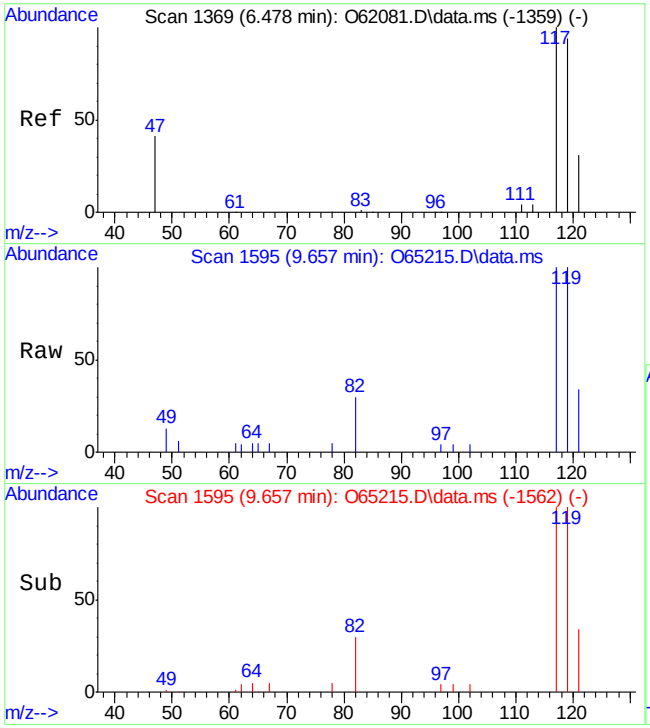


#9
Chloroform
Concen: 0.24 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65215.D
Acq: 14 Sep 2021 5:23 am

Tgt Ion: 83 Resp: 2156

Ion	Ratio	Lower	Upper
83	100		
85	66.2	33.7	93.7
47	38.3	5.1	65.1

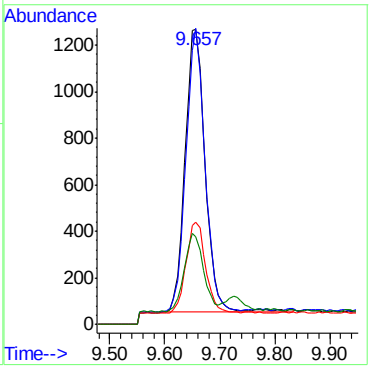




#10
Carbon Tetrachloride
Concen: 0.56 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65215.D
Acq: 14 Sep 2021 5:23 am

Tgt Ion:117 Resp: 3075

Ion	Ratio	Lower	Upper
117	100		
119	100.2	68.2	128.2
121	32.0	1.1	61.1
82	26.0	0.0	54.2



Manual Integration Approval Summary

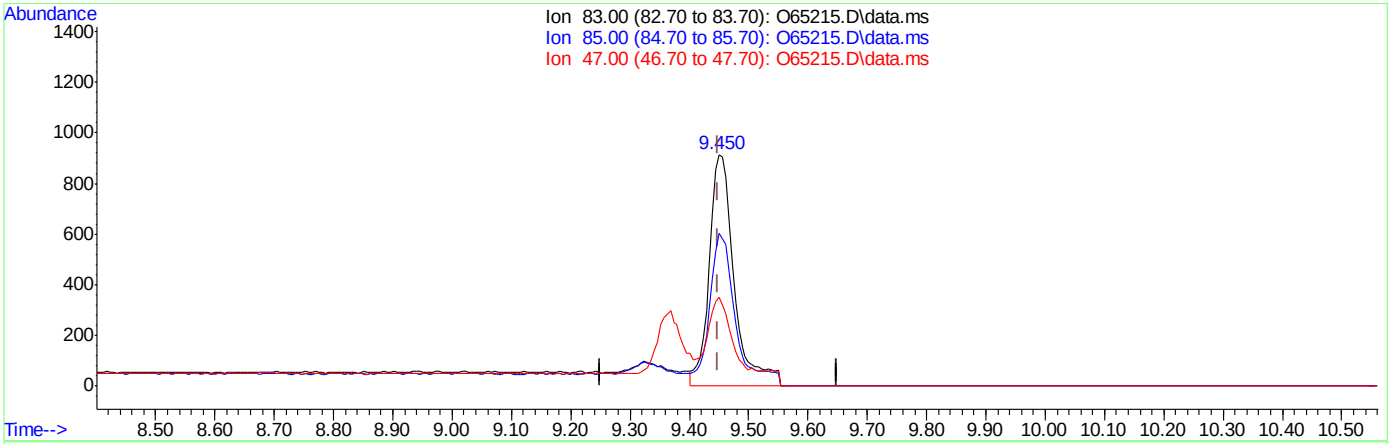
Sample Number:	FA88736-24	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65215.D	**Analyst approved:**	09/14/21 11:48 Charlene Gonzalez
Injection Time:	09/14/21 05:23	**Supervisor approved:**	09/19/21 23:15 Chelsea VanDenBurg

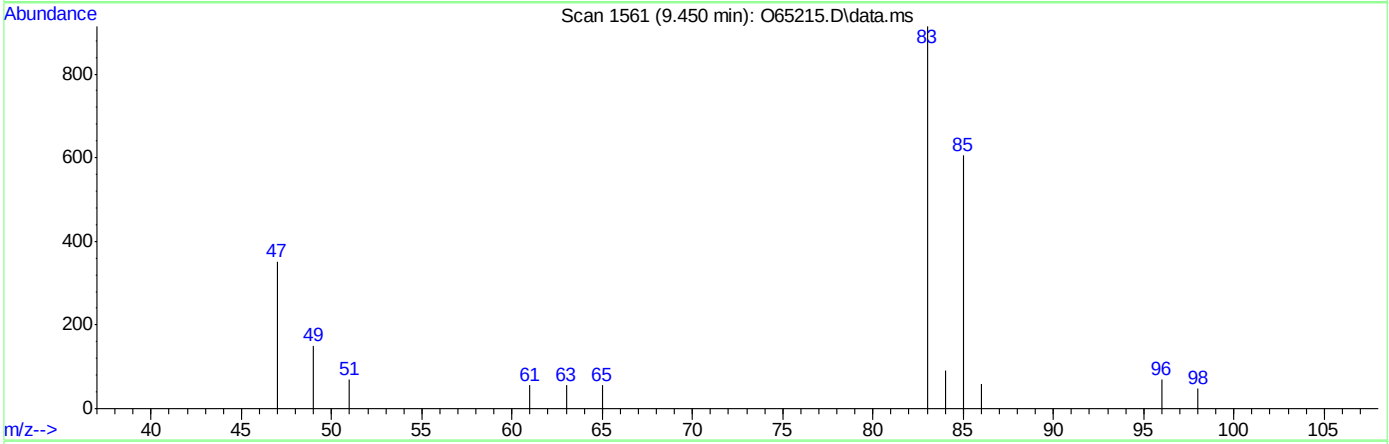
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65215.D
Acq On : 14 Sep 2021 5:23 am
Operator : charleng
Sample : FA88736-24 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 14 11:32:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65215.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.30ug/L

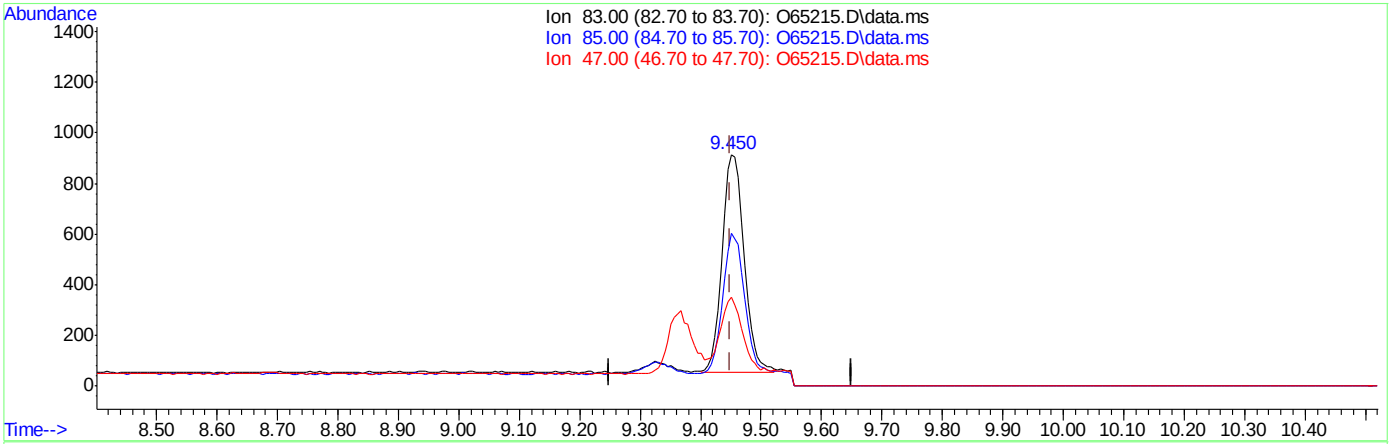
response 2675

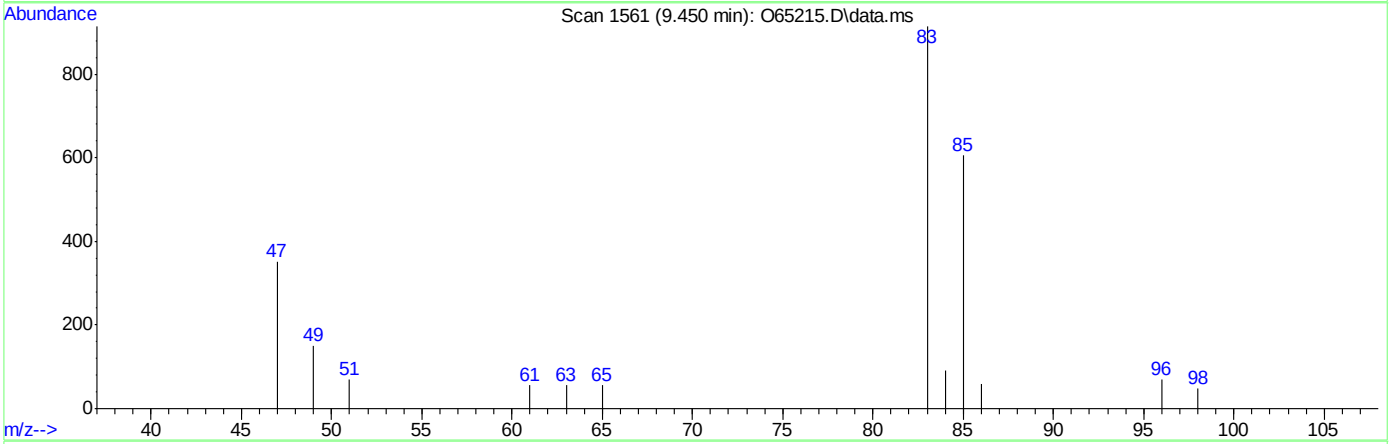
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.19
47.00	35.10	38.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65215.D
Acq On : 14 Sep 2021 5:23 am
Operator : charleng
Sample : FA88736-24 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 14 11:32:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65215.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.24ug/L m

response 2156

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.19
47.00	35.10	38.29
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65216.D
Acq On : 14 Sep 2021 5:46 am
Operator : charleng
Sample : FA88736-25 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 14 11:39:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

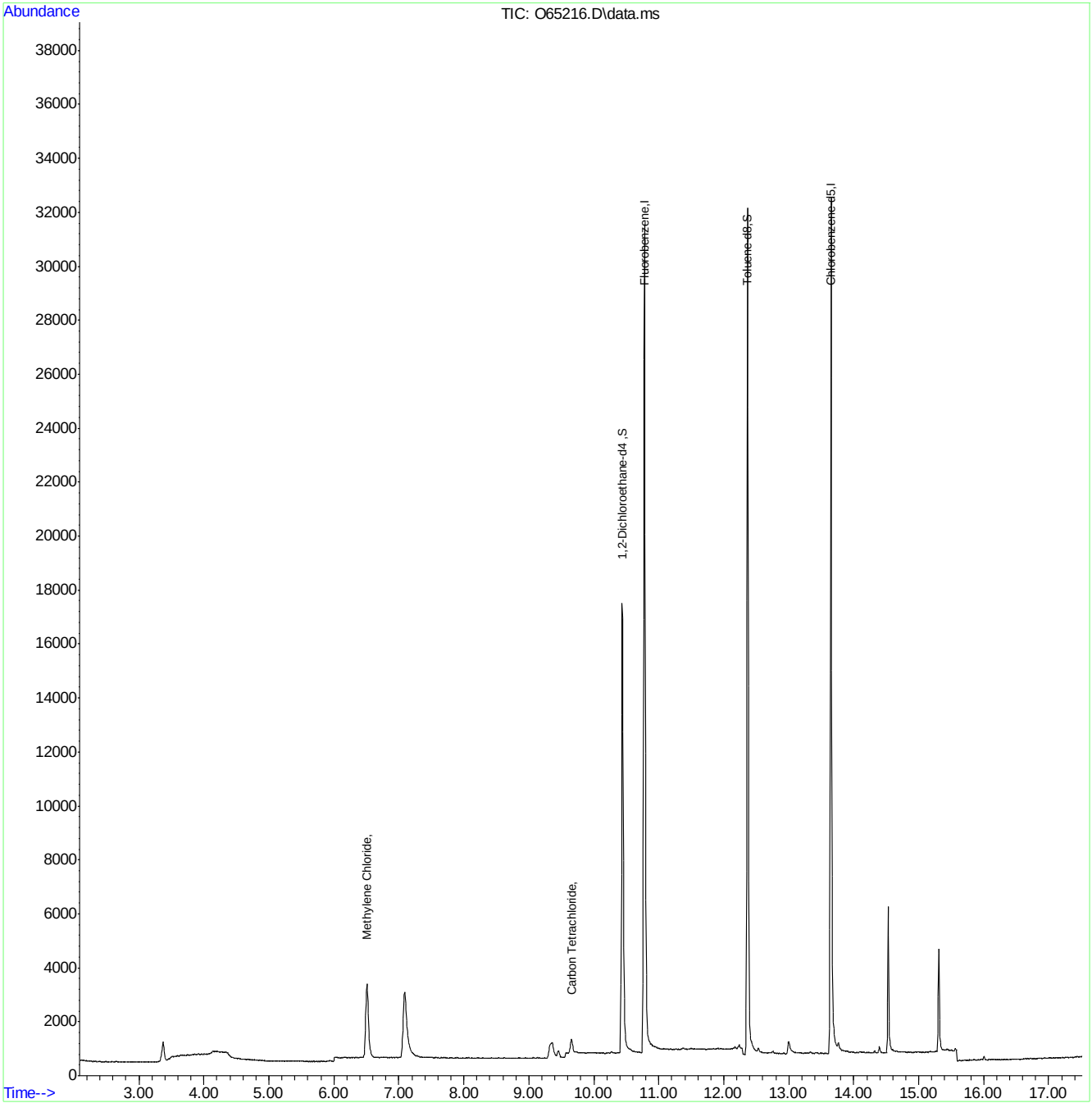
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35864	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25334	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16073	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	12.367	98	28239	4.77	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	3299	0.33	ug/L	89
10) Carbon Tetrachloride	9.657	117	464	0.09	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

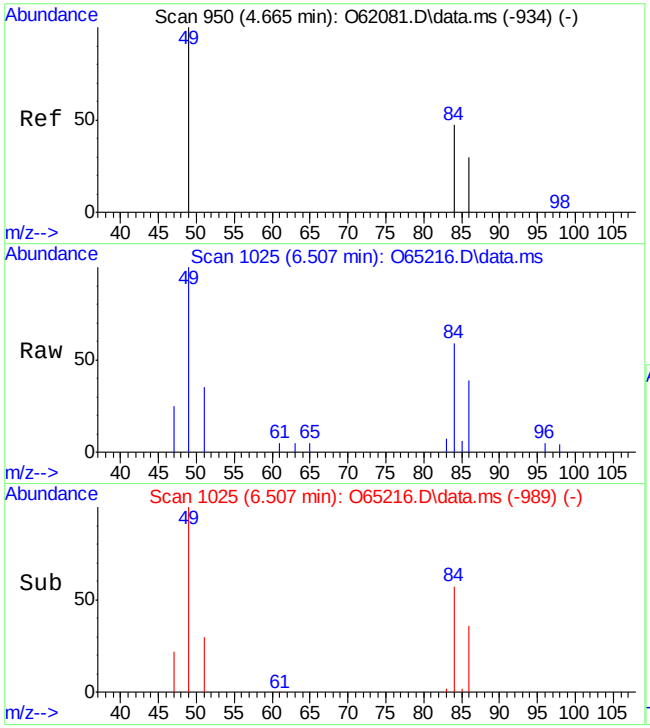
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65216.D
Acq On : 14 Sep 2021 5:46 am
Operator : charleng
Sample : FA88736-25 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 14 11:39:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



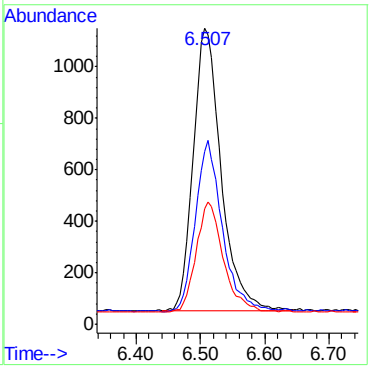
SIMCL-09-13-2021.M Tue Sep 14 11:50:57 2021 Page: 2

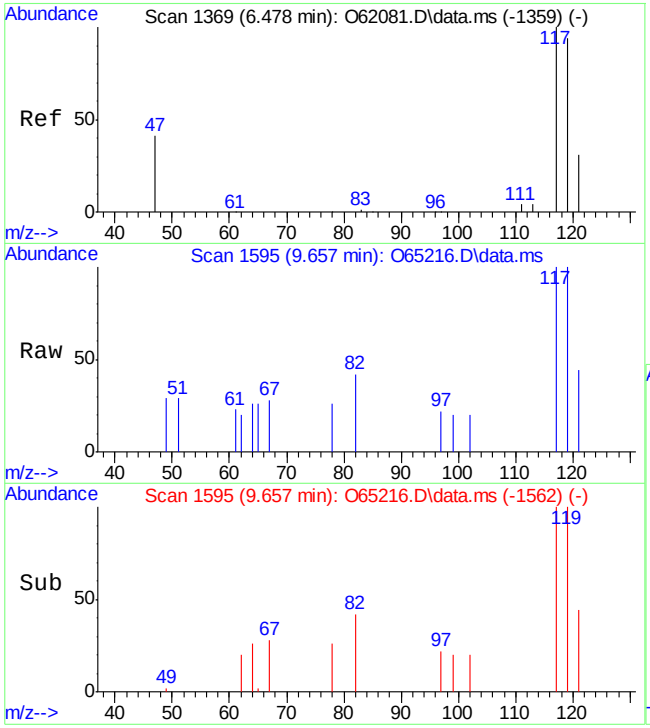


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. -0.000 min
Lab File: O65216.D
Acq: 14 Sep 2021 5:46 am

Tgt Ion: 49 Resp: 3299

Ion	Ratio	Lower	Upper
49	100		
84	56.7	35.5	95.5
86	36.5	12.8	72.8

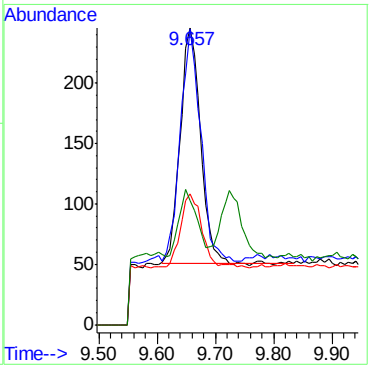




#10
Carbon Tetrachloride
Concen: 0.09 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65216.D
Acq: 14 Sep 2021 5:46 am

Tgt Ion:117 Resp: 464

Ion	Ratio	Lower	Upper
117	100		
119	98.5	68.2	128.2
121	30.8	1.1	61.1
82	24.1	0.0	54.2



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65217.D
Acq On : 14 Sep 2021 6:09 am
Operator : charleng
Sample : FA88736-26 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 14 11:39:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

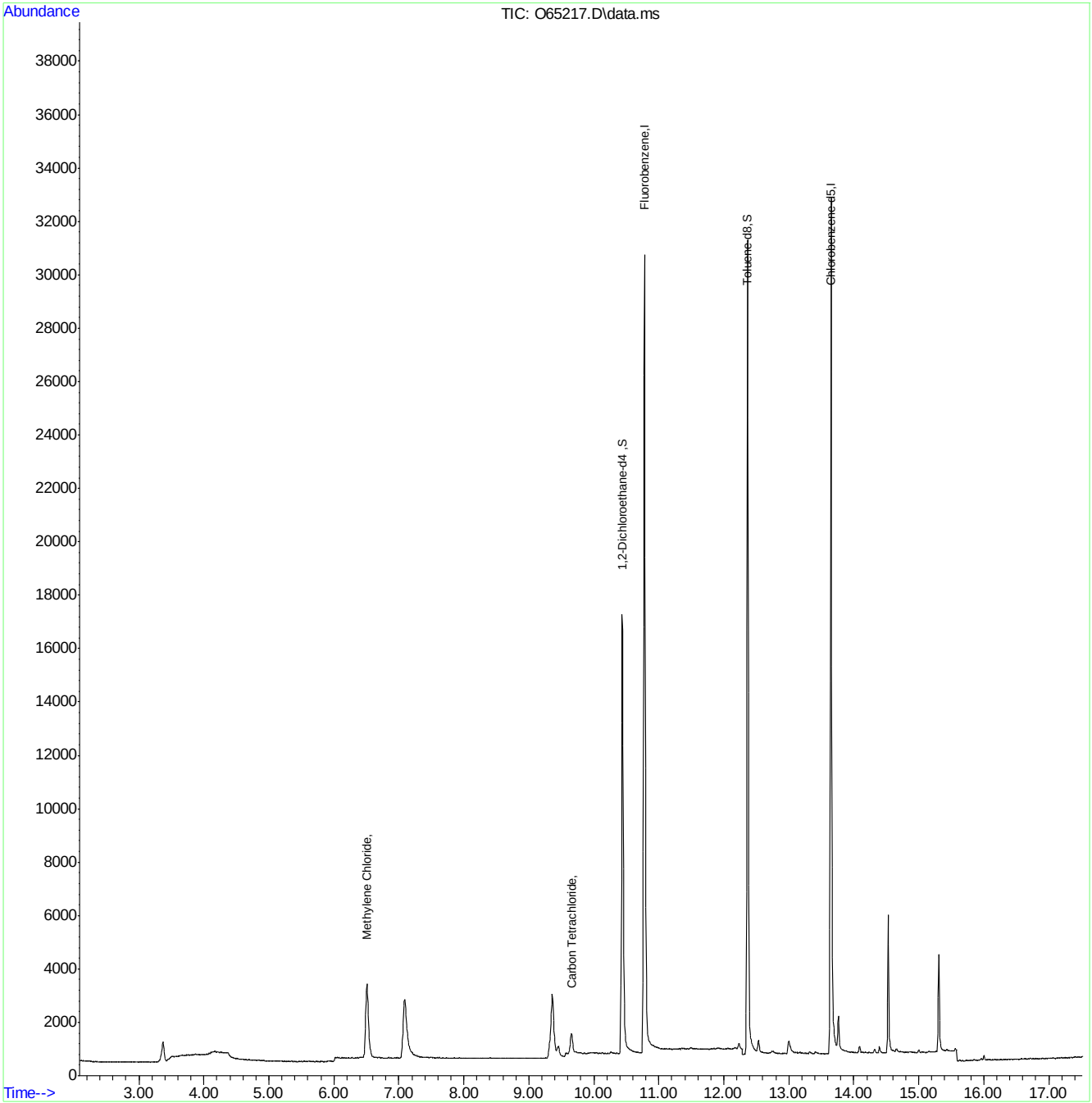
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35018	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24584	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15700	5.30	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.00%			
19) Toluene-d8	12.367	98	27340	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3372	0.35	ug/L	89
10) Carbon Tetrachloride	9.657	117	714m	0.14	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

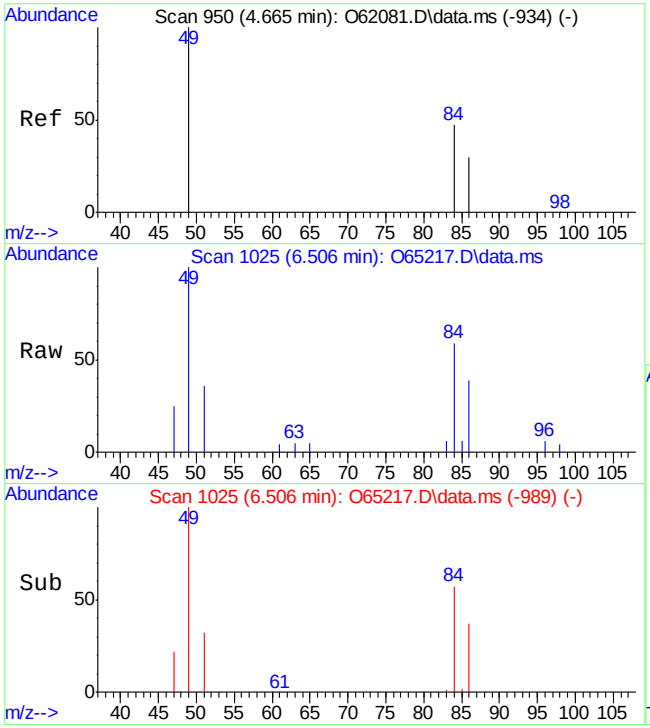
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65217.D
Acq On : 14 Sep 2021 6:09 am
Operator : charleng
Sample : FA88736-26 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 14 11:39:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



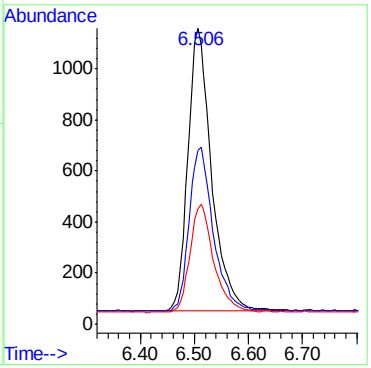
SIMCL-09-13-2021.M Tue Sep 14 11:50:59 2021 Page: 2

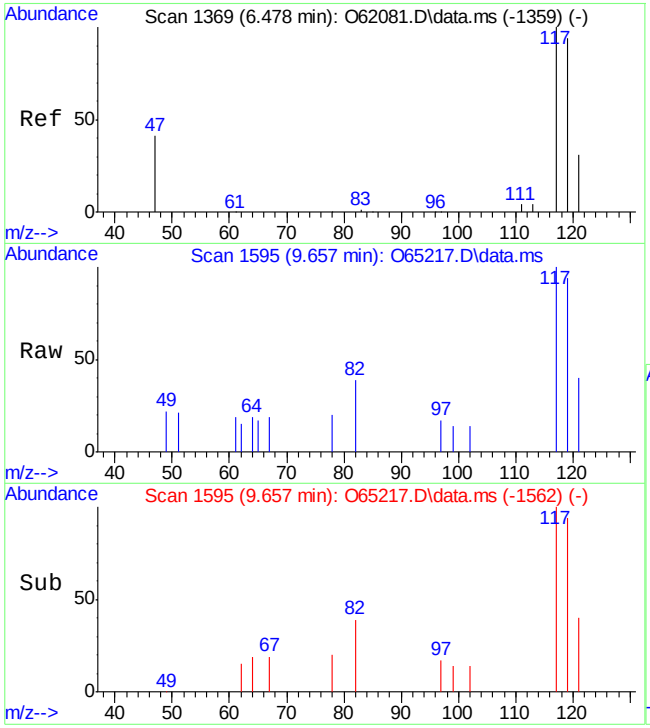


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65217.D
Acq: 14 Sep 2021 6:09 am

Tgt Ion: 49 Resp: 3372

Ion	Ratio	Lower	Upper
49	100		
84	56.7	35.5	95.5
86	36.6	12.8	72.8

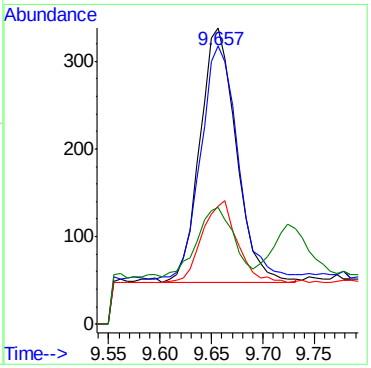




#10
Carbon Tetrachloride
Concen: 0.14 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65217.D
Acq: 14 Sep 2021 6:09 am

Tgt Ion:117 Resp: 714

Ion	Ratio	Lower	Upper
117	100		
119	93.8	68.2	128.2
121	39.6	1.1	61.1
82	39.3	0.0	54.2



Manual Integration Approval Summary

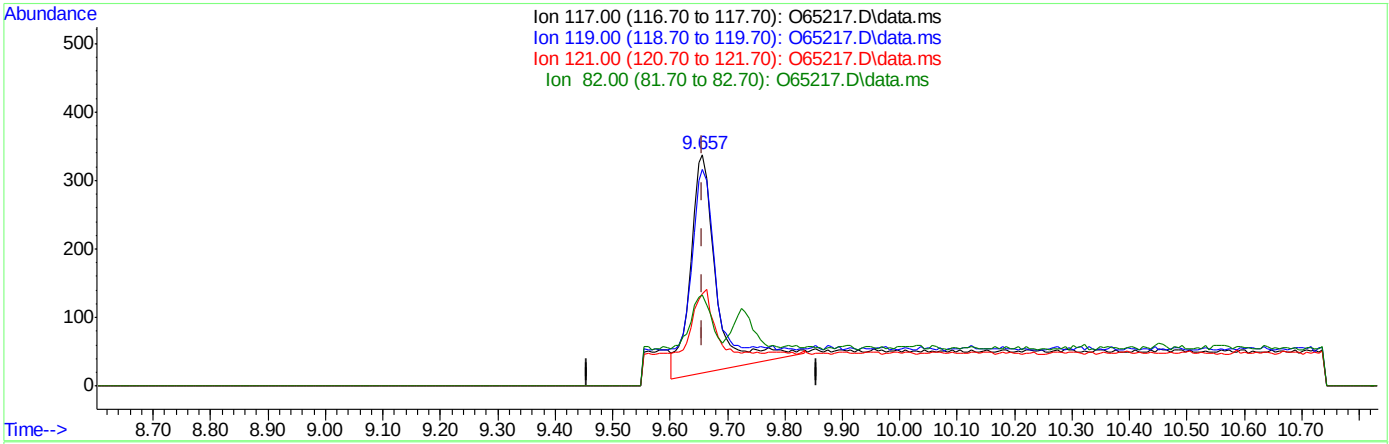
Sample Number: FA88736-26
Lab FileID: O65217.D
Injection Time: 09/14/21 06:09
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

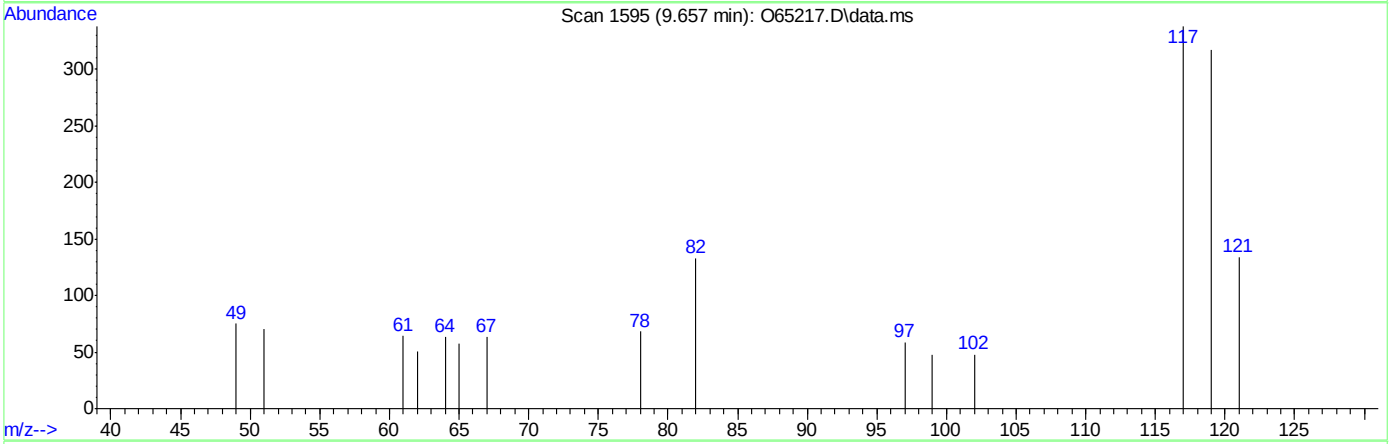
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65217.D
Acq On : 14 Sep 2021 6:09 am
Operator : charleng
Sample : FA88736-26 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 14 11:32:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65217.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.20ug/L

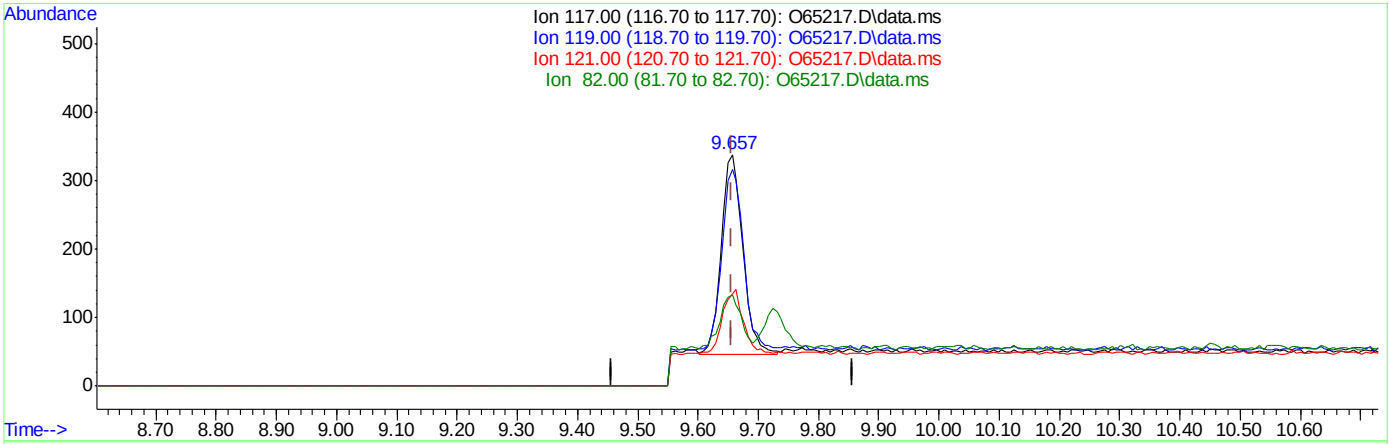
response 987

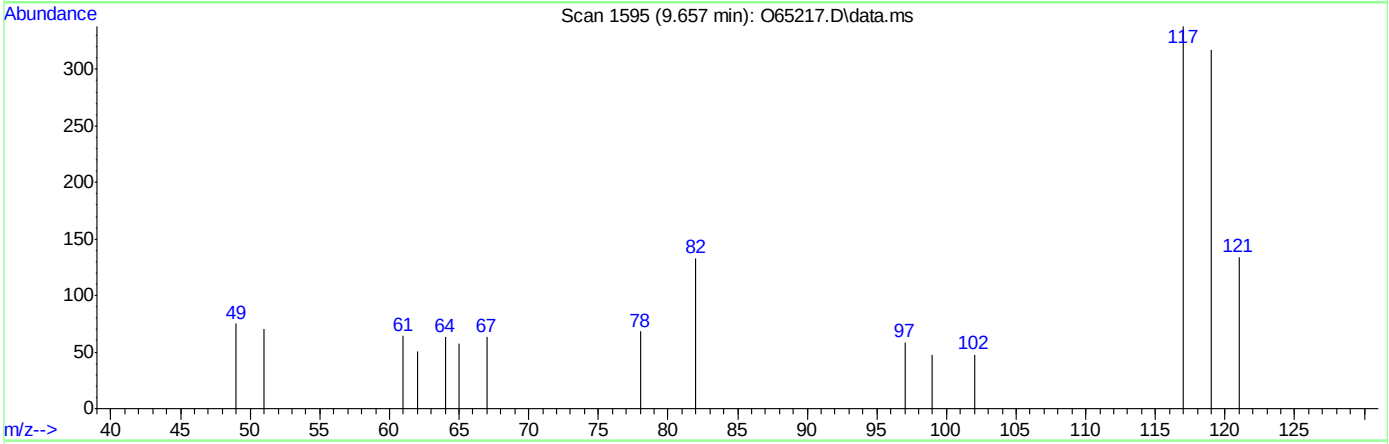
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	90.69
121.00	31.10	29.66
82.00	24.20	27.24

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65217.D
Acq On : 14 Sep 2021 6:09 am
Operator : charleng
Sample : FA88736-26 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 14 11:32:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65217.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.14ug/L m

response 714

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.79
121.00	31.10	39.64
82.00	24.20	39.35

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65218.D
Acq On : 14 Sep 2021 6:32 am
Operator : charleng
Sample : FA88736-27 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 14 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

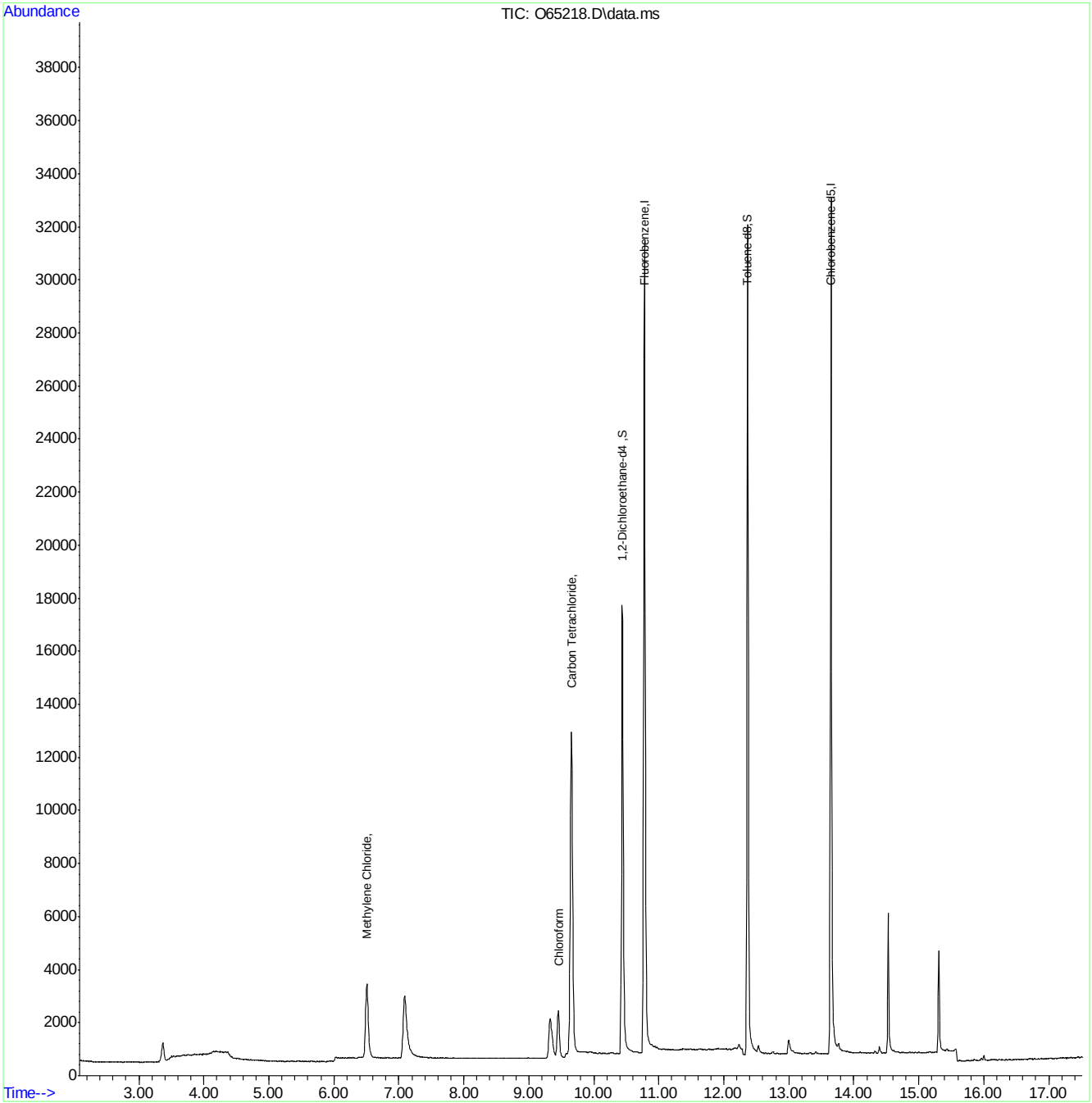
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35835	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25486	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16123	5.31	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.20%			
19) Toluene-d8	12.367	98	28251	4.75	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3284	0.33	ug/L	92
9) Chloroform	9.456	83	1959m	0.24	ug/L	
10) Carbon Tetrachloride	9.656	117	11636	2.28	ug/L	98

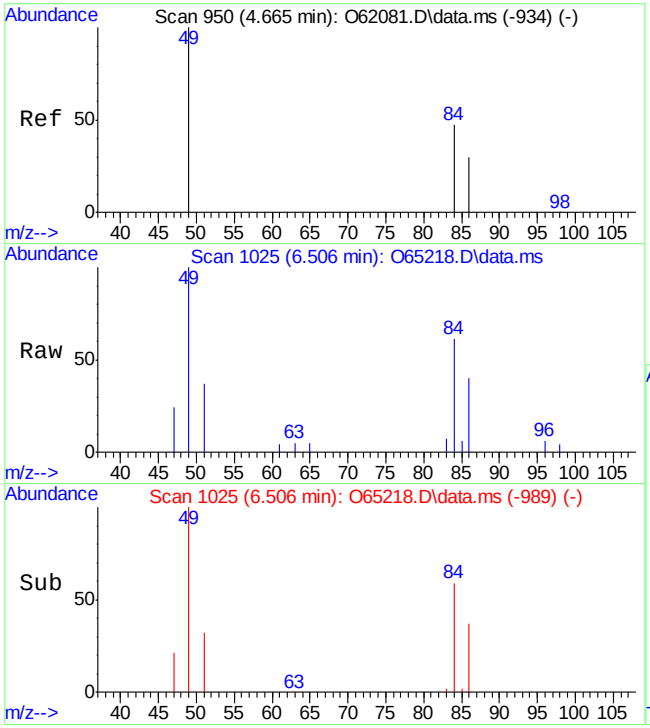
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65218.D
Acq On : 14 Sep 2021 6:32 am
Operator : charleng
Sample : FA88736-27 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 14 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

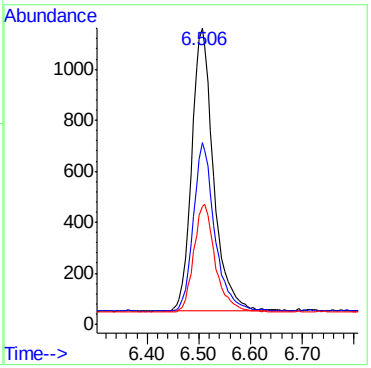


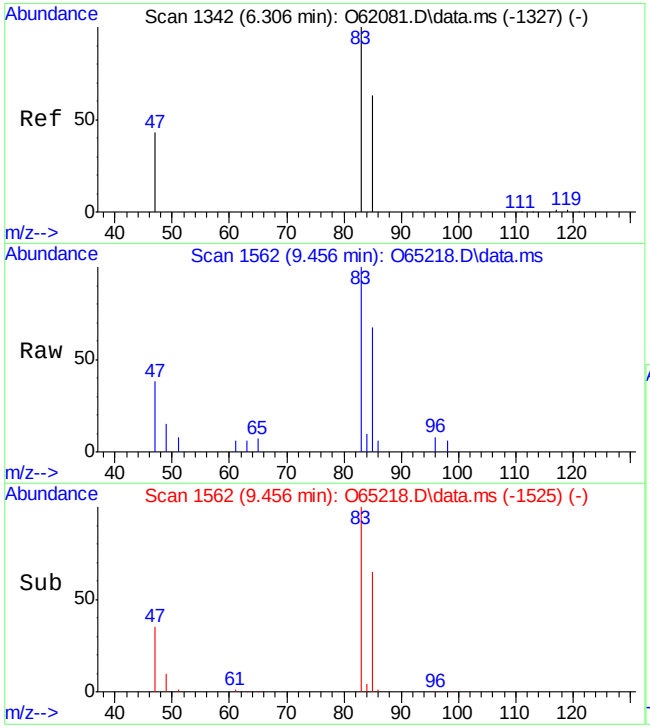


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65218.D
Acq: 14 Sep 2021 6:32 am

Tgt Ion: 49 Resp: 3284

Ion	Ratio	Lower	Upper
49	100		
84	59.4	35.5	95.5
86	37.3	12.8	72.8

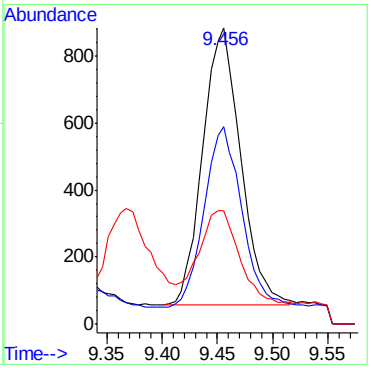


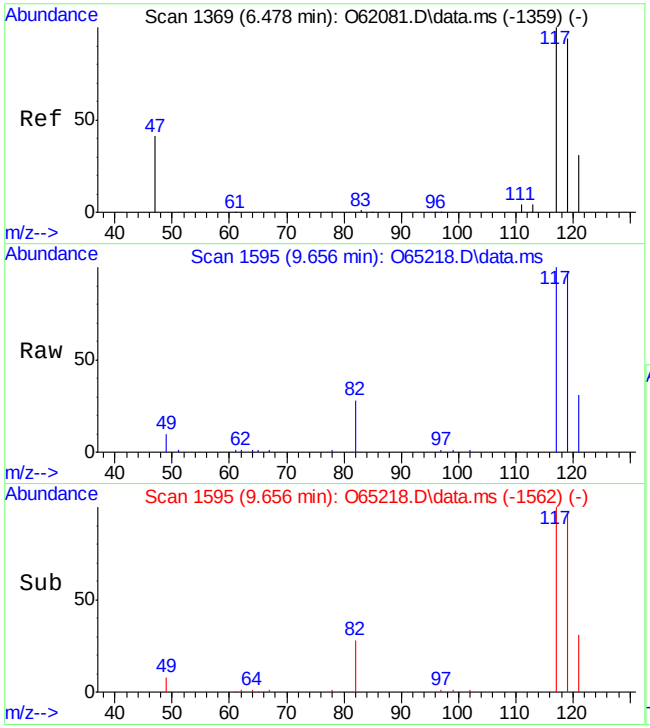


#9
Chloroform
Concen: 0.24 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65218.D
Acq: 14 Sep 2021 6:32 am

Tgt Ion: 83 Resp: 1959

Ion	Ratio	Lower	Upper
83	100		
85	66.8	33.7	93.7
47	38.4	5.1	65.1

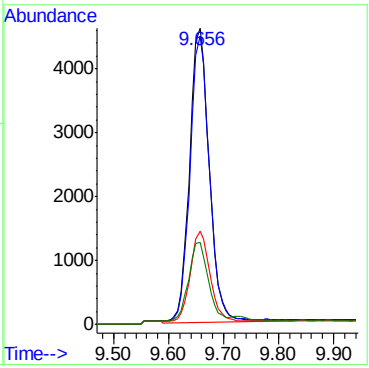




#10
Carbon Tetrachloride
Concen: 2.28 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65218.D
Acq: 14 Sep 2021 6:32 am

Tgt Ion:117 Resp: 11636

Ion	Ratio	Lower	Upper
117	100		
119	97.3	68.2	128.2
121	30.7	1.1	61.1
82	26.8	0.0	54.2



Manual Integration Approval Summary

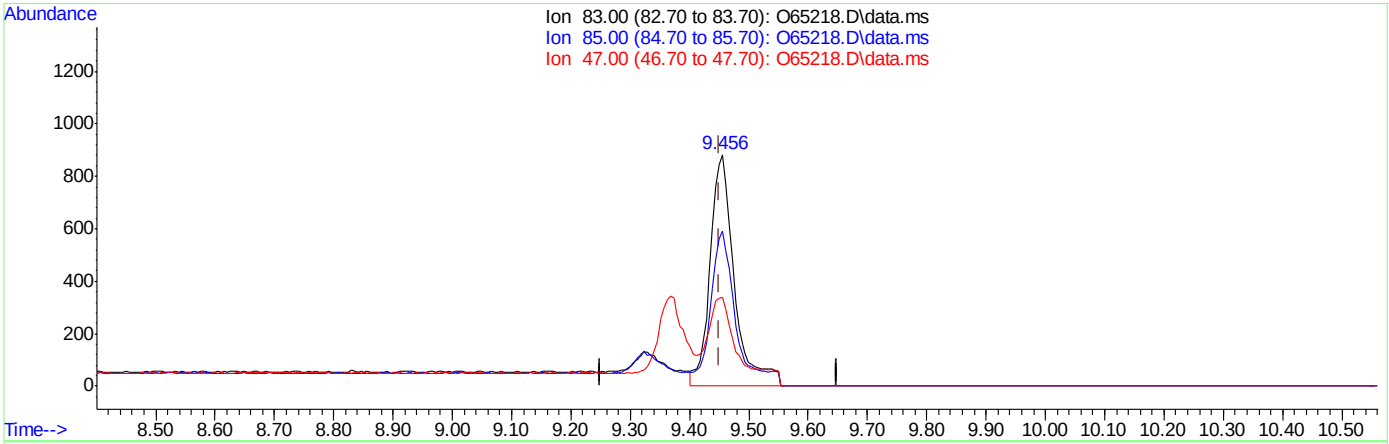
Sample Number: FA88736-27
Lab FileID: O65218.D
Injection Time: 09/14/21 06:32
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

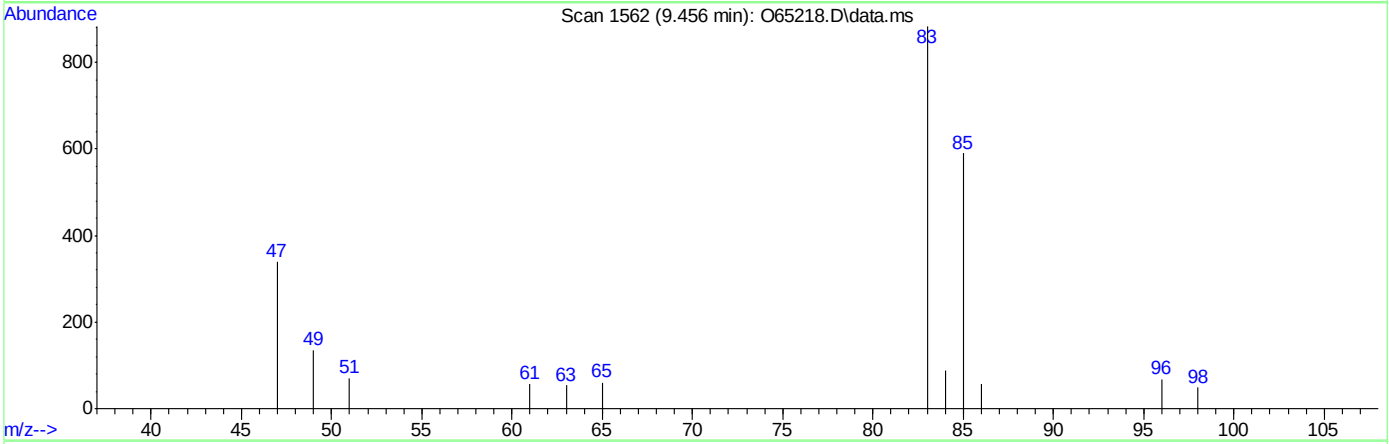
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65218.D
Acq On : 14 Sep 2021 6:32 am
Operator : charleng
Sample : FA88736-27 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 14 11:32:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65218.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.30ug/L

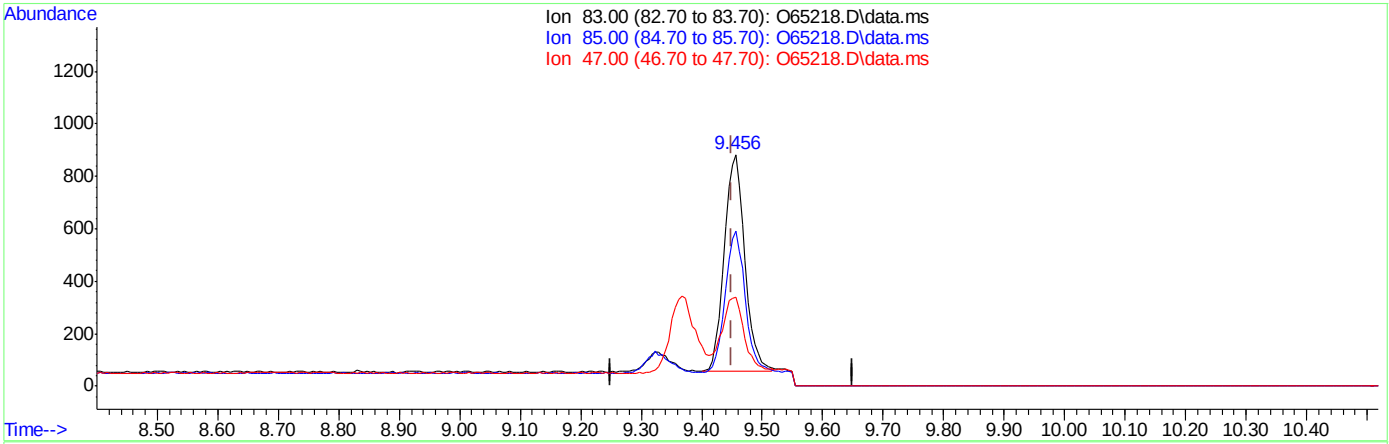
response 2513

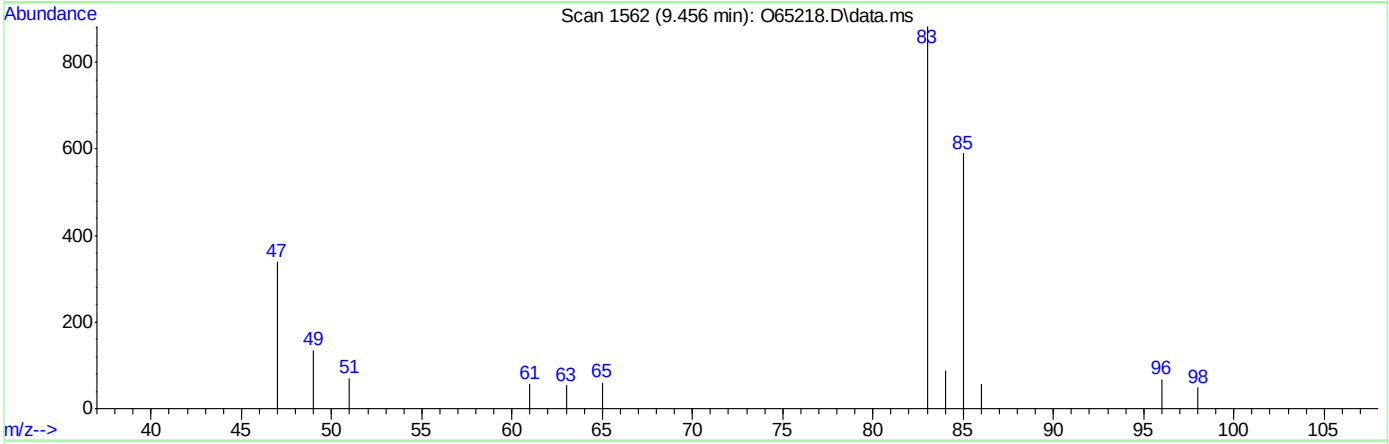
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.82
47.00	35.10	38.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65218.D
Acq On : 14 Sep 2021 6:32 am
Operator : charleng
Sample : FA88736-27 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 14 11:32:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65218.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.24ug/L m

response 1959

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.82
47.00	35.10	38.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65219.D
Acq On : 14 Sep 2021 6:55 am
Operator : charleng
Sample : FA88736-28 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 14 11:39:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

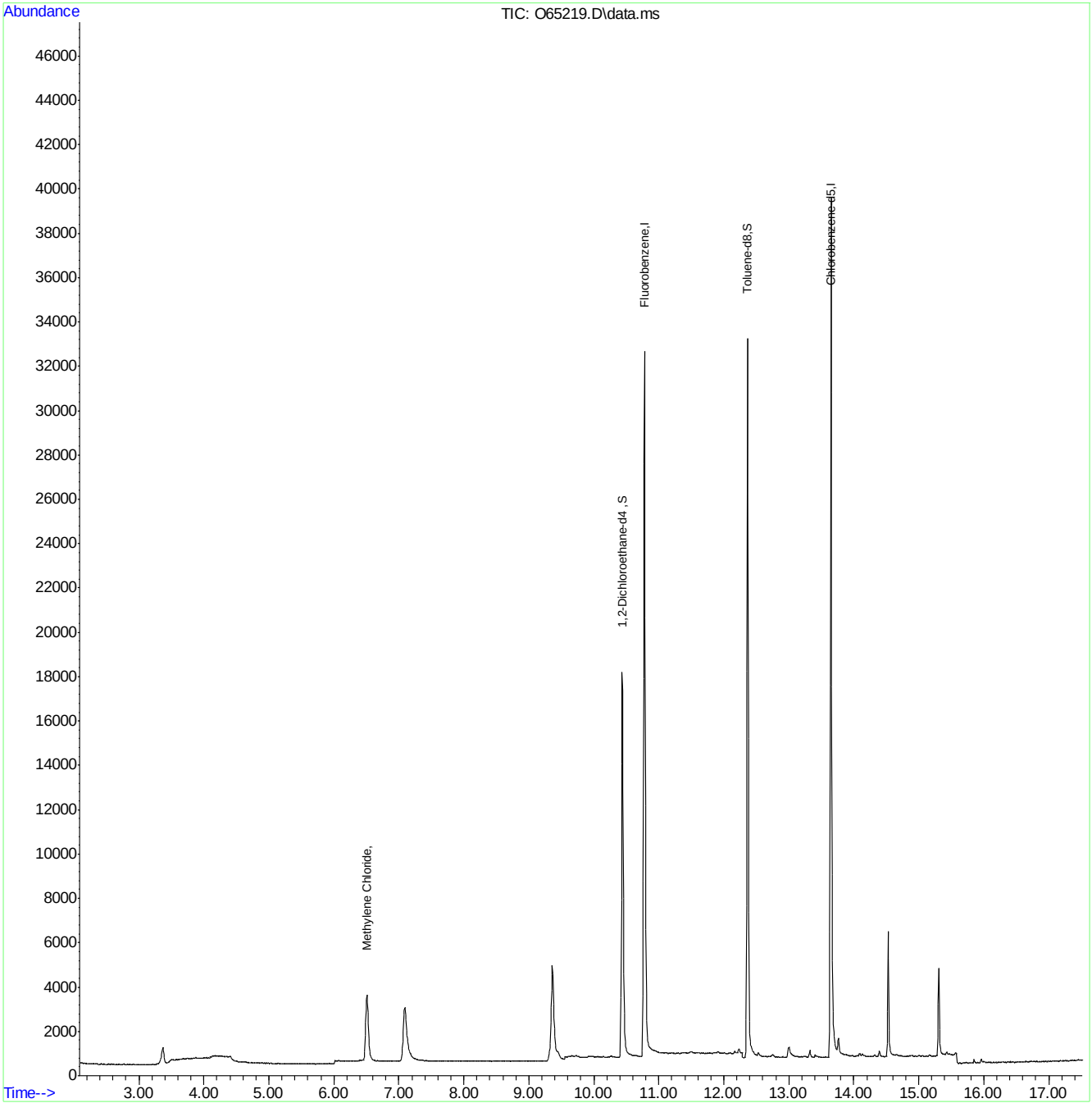
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	37042	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	26721	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16561	5.28	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.60%			
19) Toluene-d8	12.367	98	29307	4.69	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3562	0.35	ug/L	91

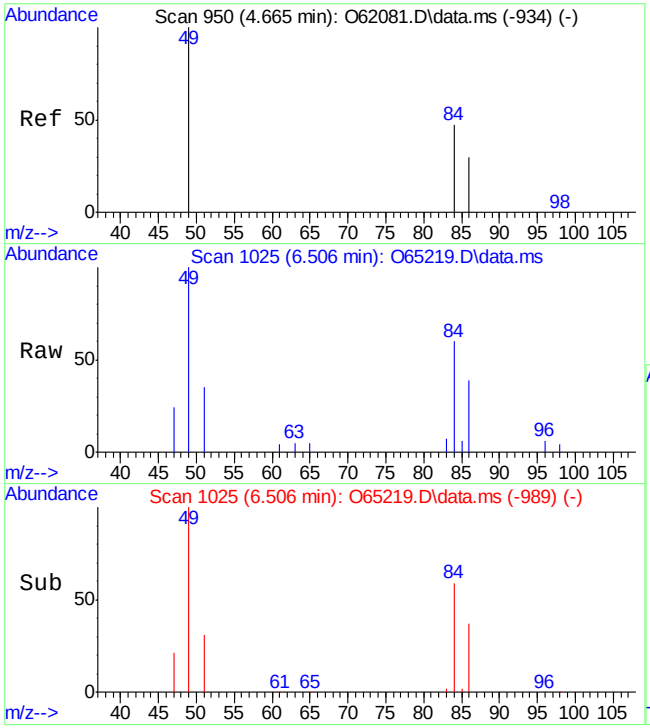
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65219.D
Acq On : 14 Sep 2021 6:55 am
Operator : charleng
Sample : FA88736-28 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 14 11:39:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

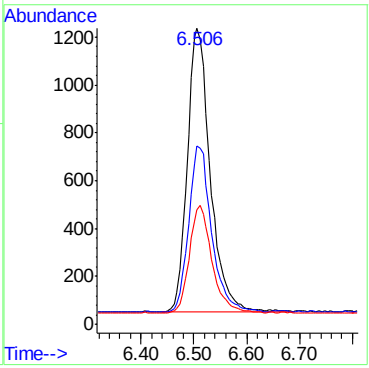




#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65219.D
Acq: 14 Sep 2021 6:55 am

Tgt Ion: 49 Resp: 3562

Ion	Ratio	Lower	Upper
49	100		
84	58.6	35.5	95.5
86	36.5	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65220.D
Acq On : 14 Sep 2021 7:18 am
Operator : charleng
Sample : FA88736-29 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 14 11:39:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

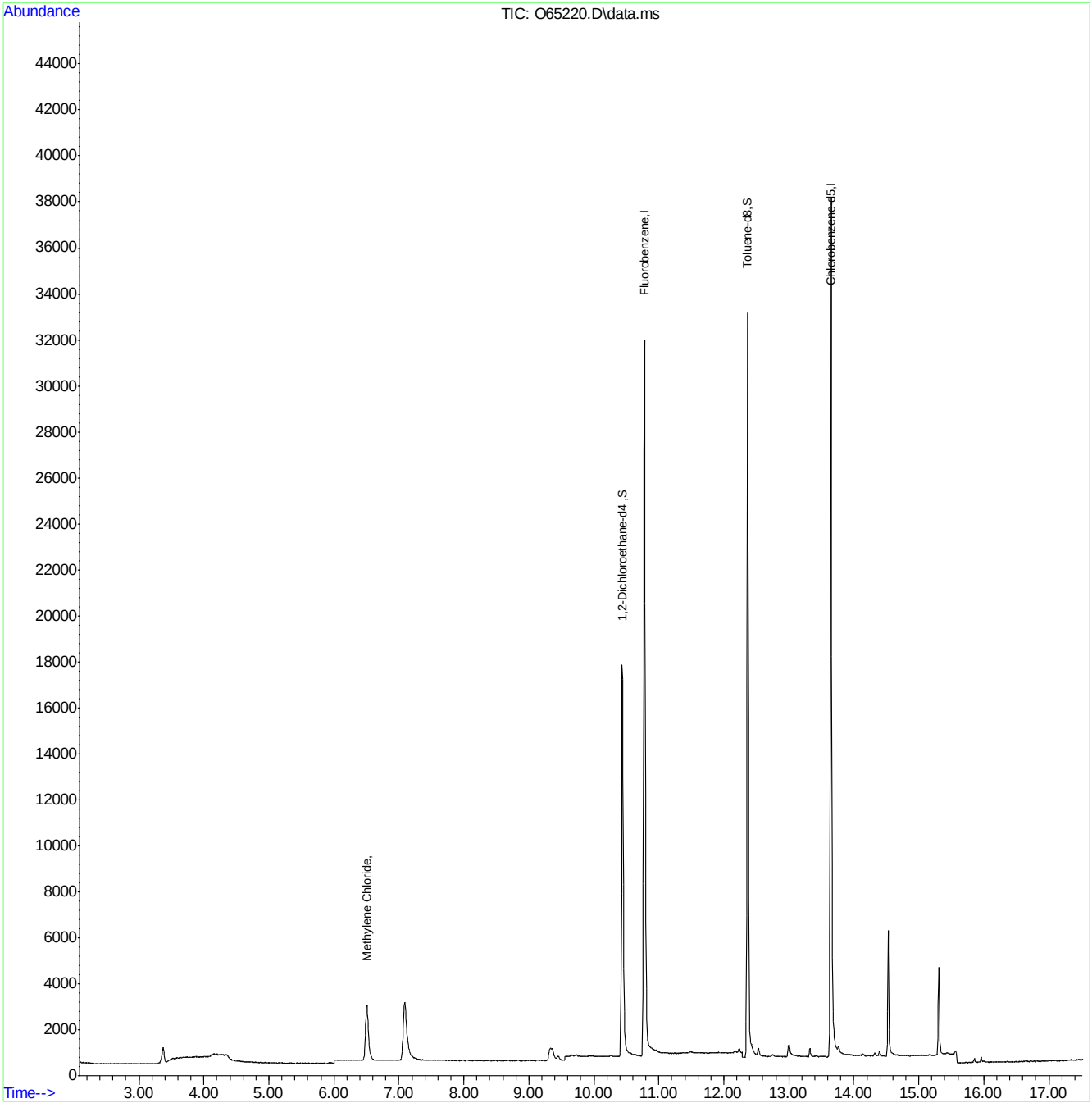
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36708	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	26250	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16443	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	12.367	98	28948	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3034	0.30	ug/L	91

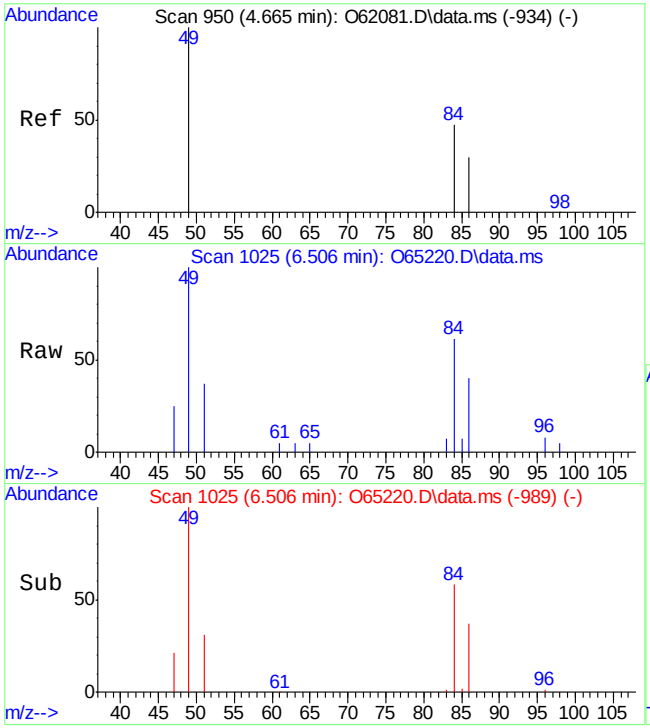
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65220.D
Acq On : 14 Sep 2021 7:18 am
Operator : charleng
Sample : FA88736-29 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 14 11:39:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

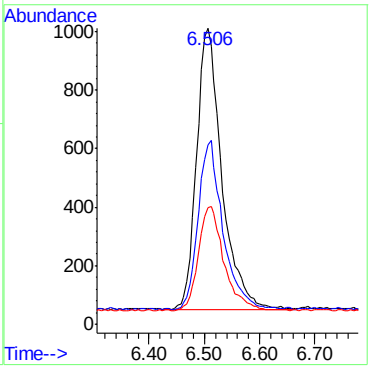




#5
Methylene Chloride
Concen: 0.30 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65220.D
Acq: 14 Sep 2021 7:18 am

Tgt Ion: 49 Resp: 3034

Ion	Ratio	Lower	Upper
49	100		
84	58.4	35.5	95.5
86	36.7	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:40:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

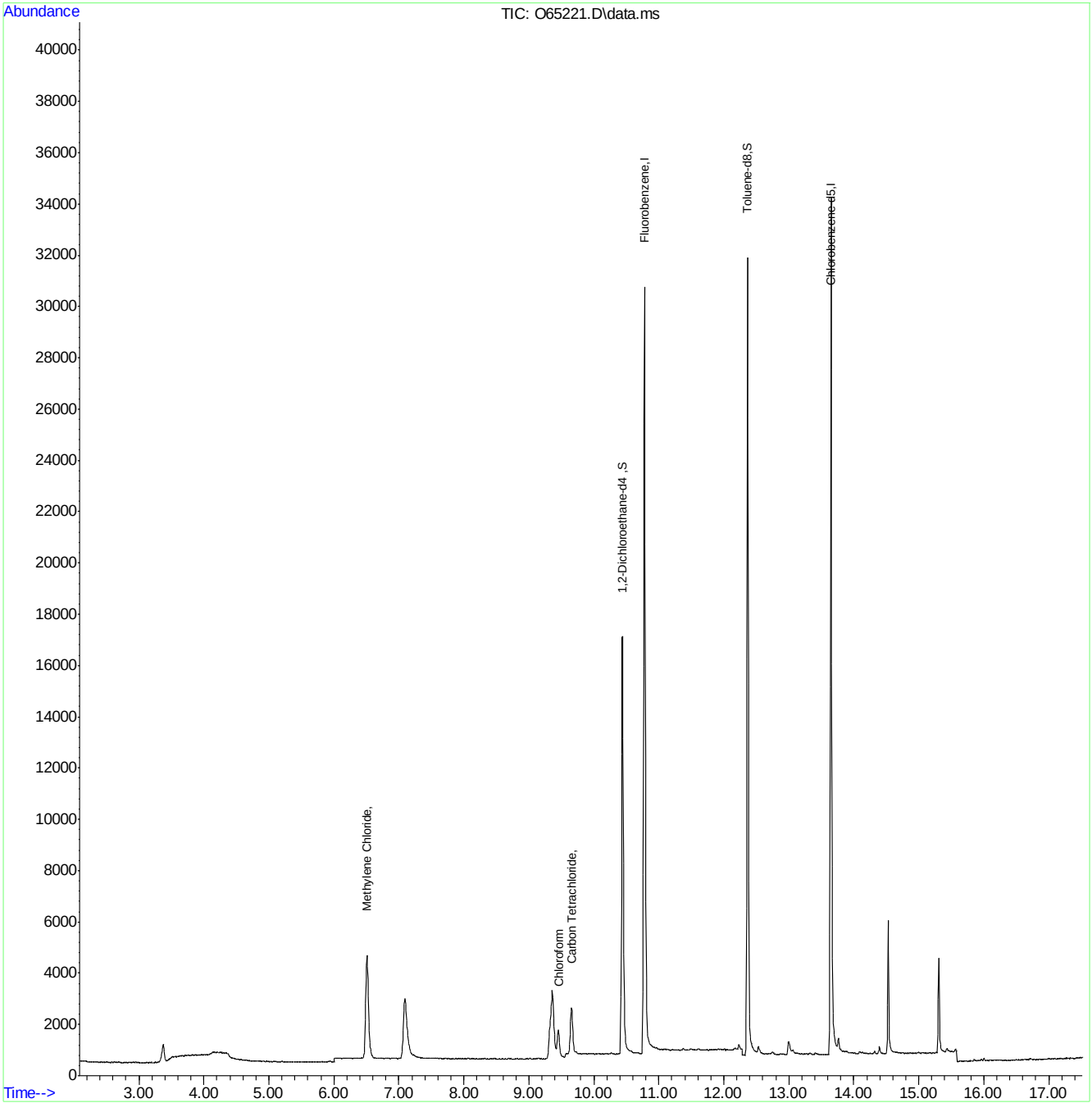
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35203	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25019	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15774	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	12.367	98	27680	4.74	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	4893	0.50	ug/L	90
9) Chloroform	9.456	83	1102m	0.14	ug/L	
10) Carbon Tetrachloride	9.656	117	1694m	0.34	ug/L	

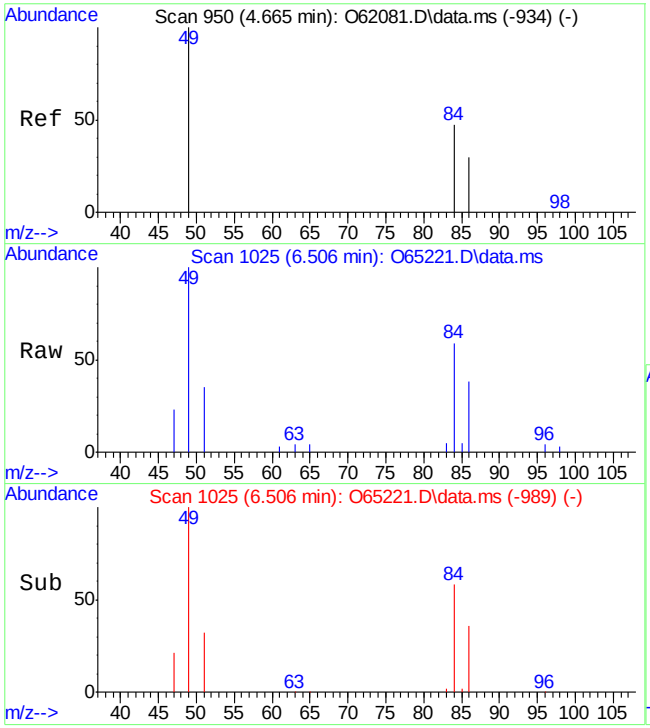
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:40:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

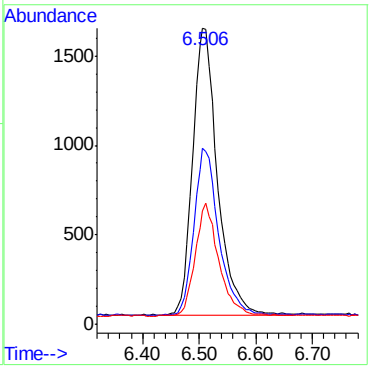


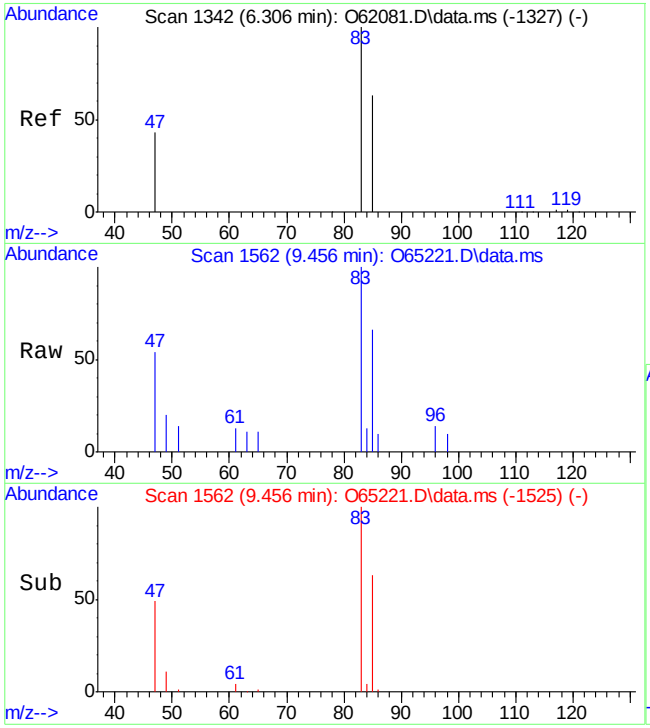


#5
Methylene Chloride
Concen: 0.50 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65221.D
Acq: 14 Sep 2021 7:41 am

Tgt Ion: 49 Resp: 4893

Ion	Ratio	Lower	Upper
49	100		
84	58.0	35.5	95.5
86	36.2	12.8	72.8

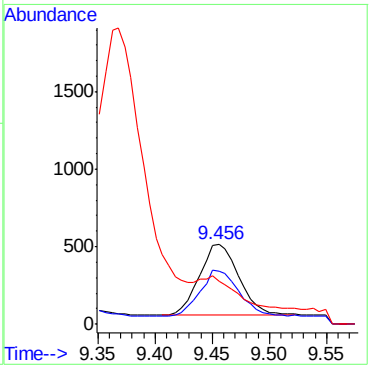


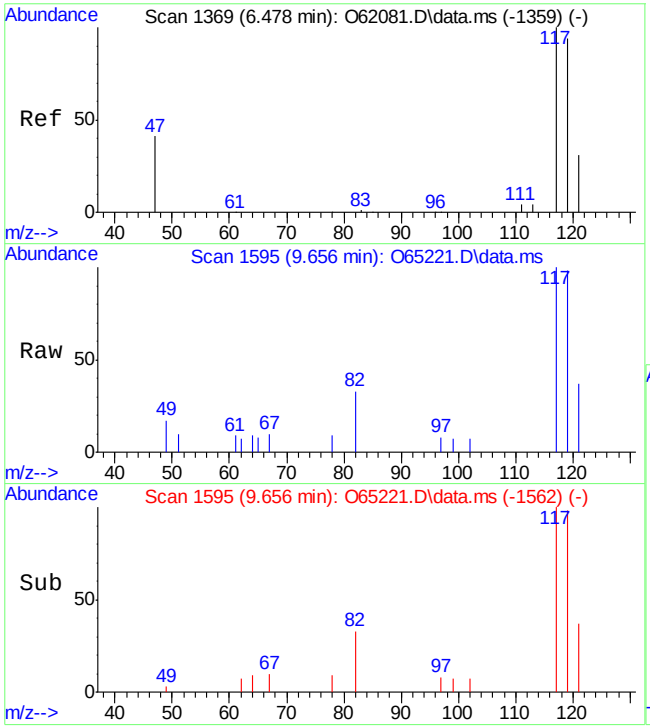


#9
Chloroform
Concen: 0.14 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65221.D
Acq: 14 Sep 2021 7:41 am

Tgt Ion: 83 Resp: 1102

Ion	Ratio	Lower	Upper
83	100		
85	65.8	33.7	93.7
47	53.9	5.1	65.1

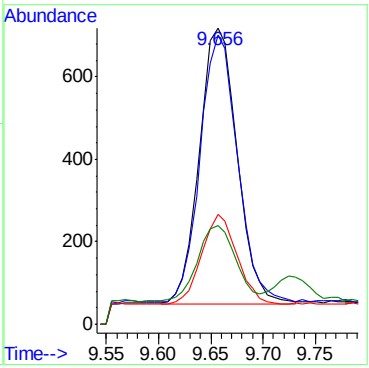




#10
Carbon Tetrachloride
Concen: 0.34 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65221.D
Acq: 14 Sep 2021 7:41 am

Tgt Ion:117 Resp: 1694

Ion	Ratio	Lower	Upper
117	100		
119	97.8	68.2	128.2
121	37.0	1.1	61.1
82	33.4	0.0	54.2



Manual Integration Approval Summary

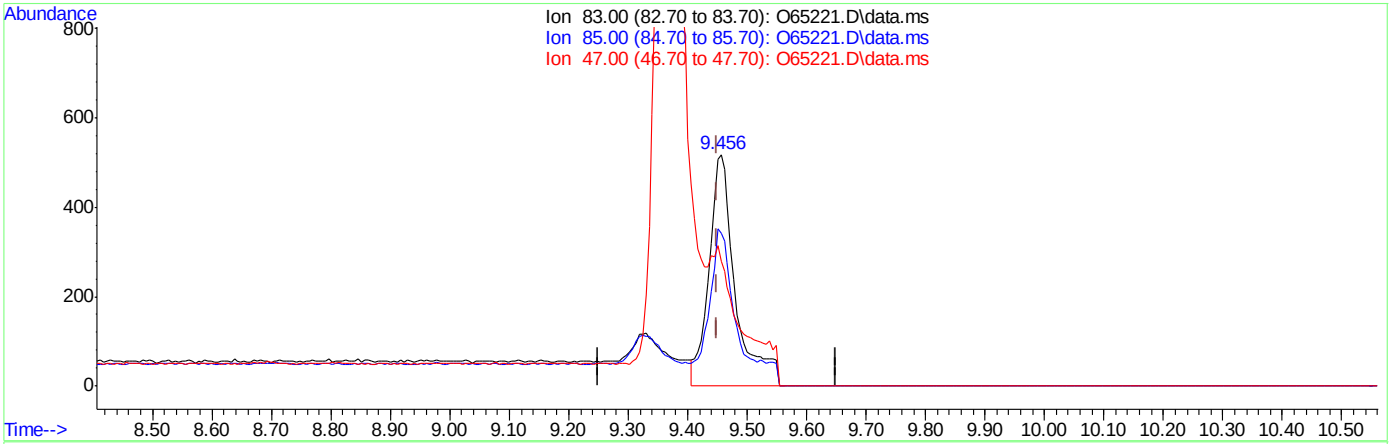
Sample Number: FA88736-30
Lab FileID: O65221.D
Injection Time: 09/14/21 07:41
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

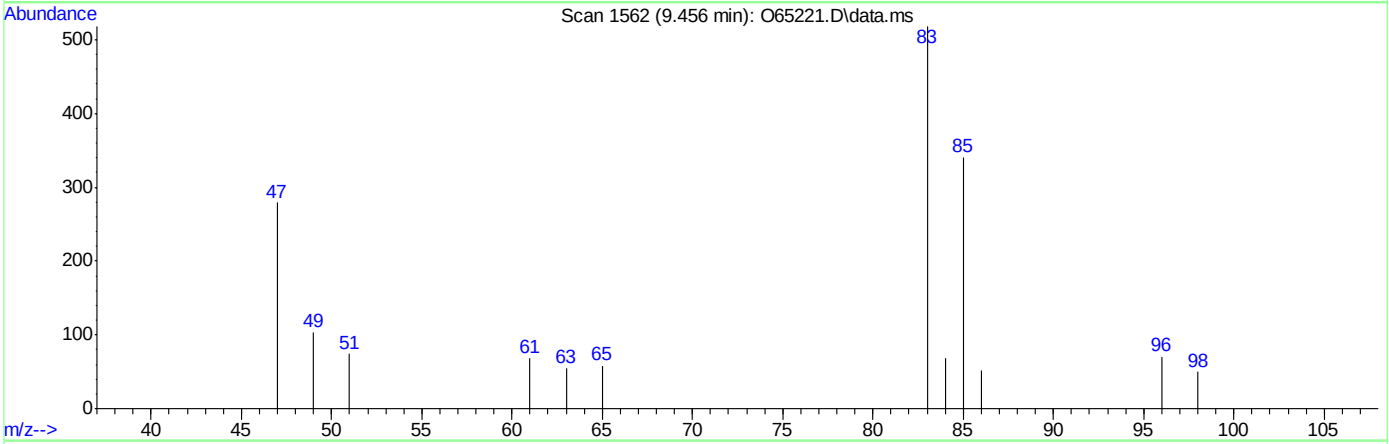
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:32:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65221.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.20ug/L

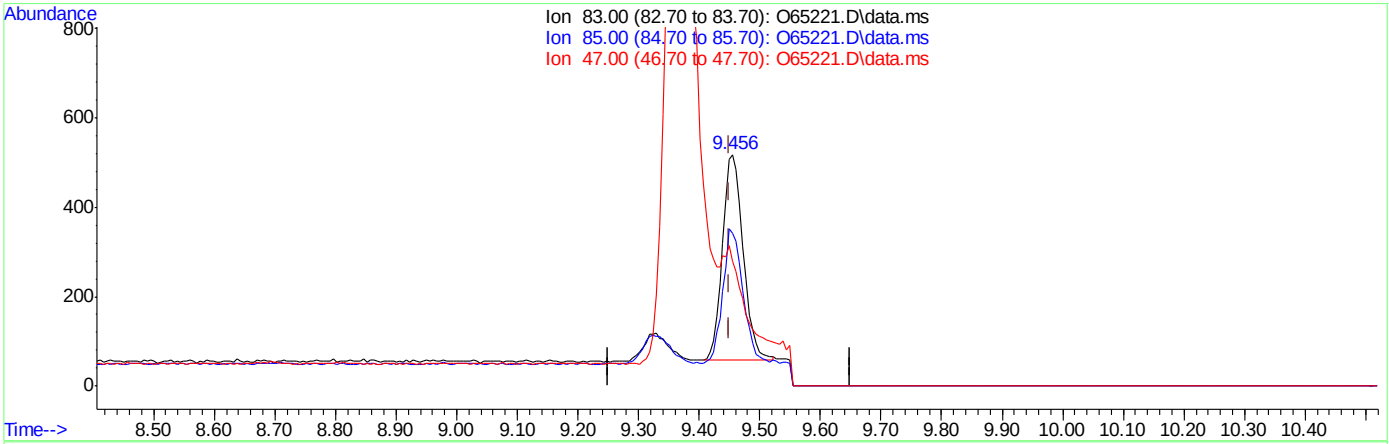
response 1617

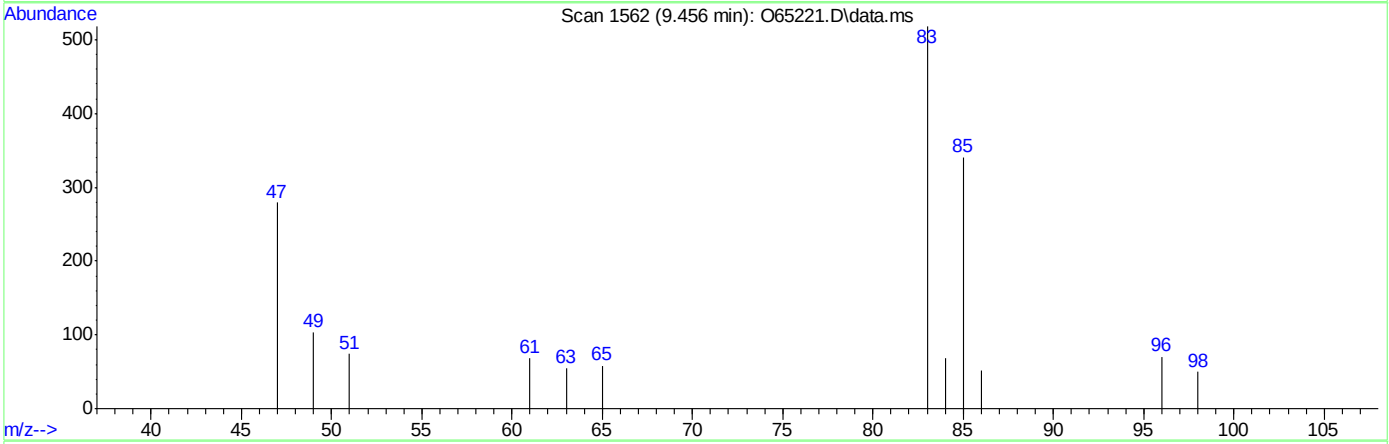
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.83
47.00	35.10	53.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:32:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65221.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.14ug/L m

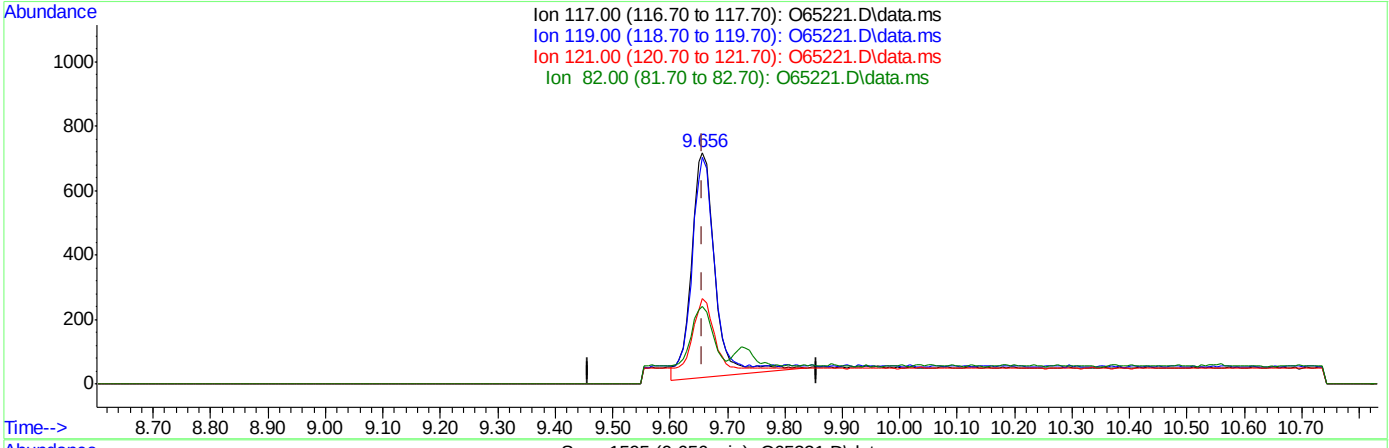
response 1102

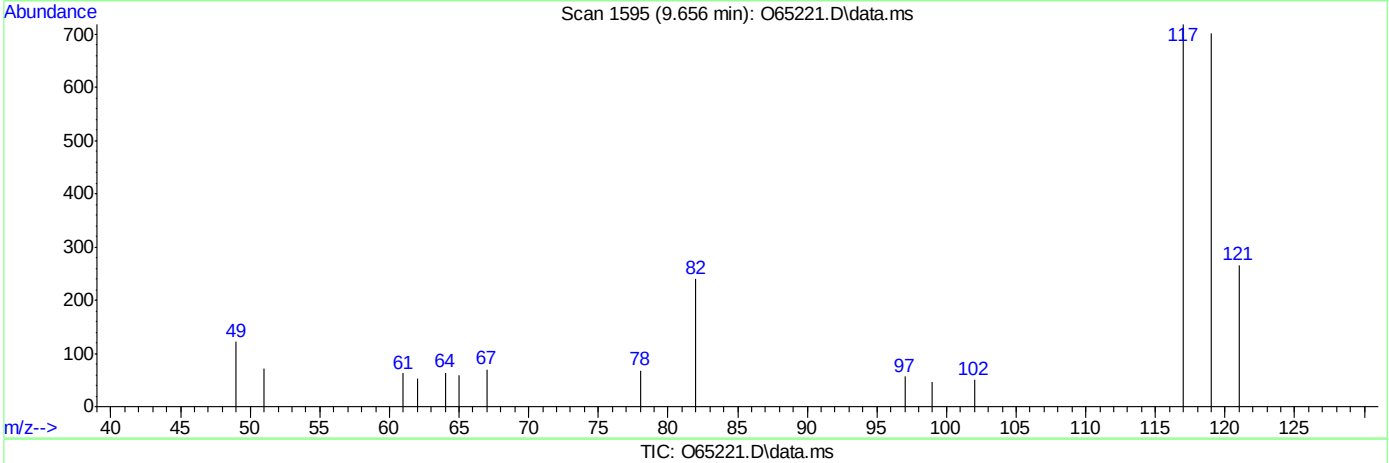
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.83
47.00	35.10	53.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:32:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65221.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.39ug/L

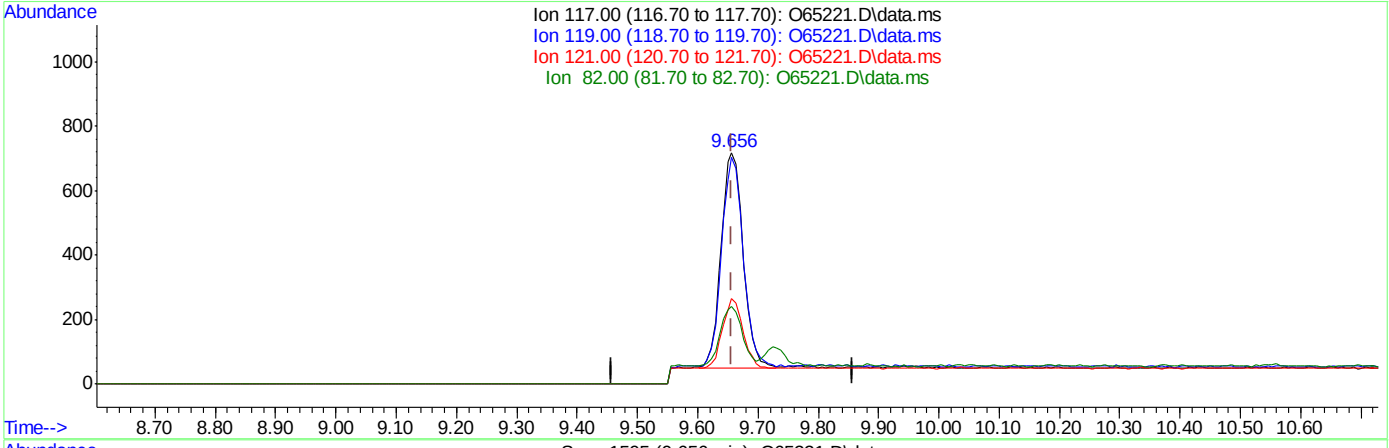
response 1975

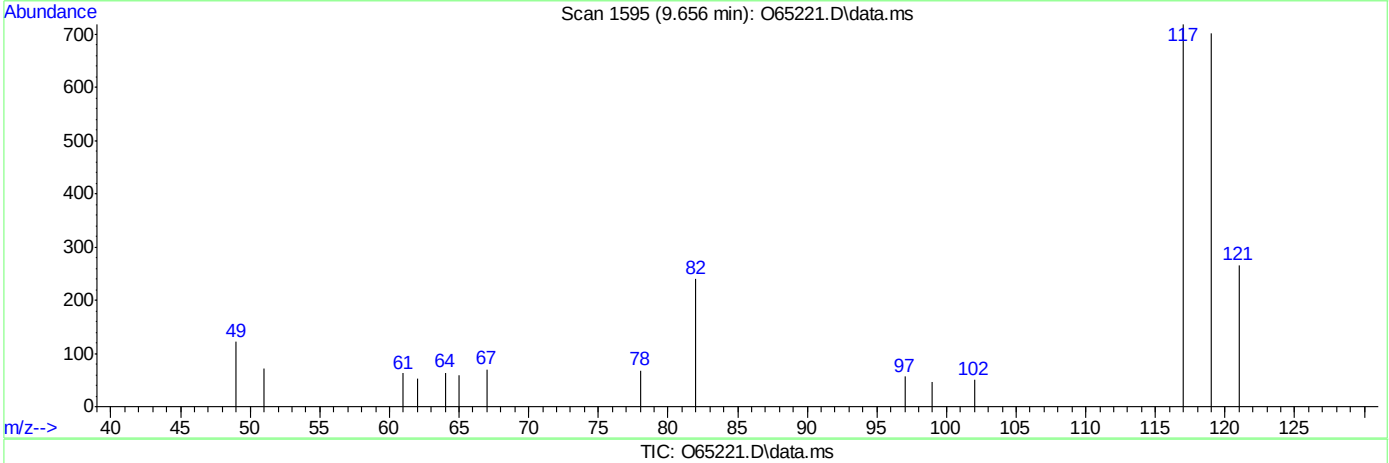
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.00
121.00	31.10	32.53
82.00	24.20	27.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65221.D
Acq On : 14 Sep 2021 7:41 am
Operator : charleng
Sample : FA88736-30 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 14 11:32:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65221.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.34ug/L m

response 1694

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.77
121.00	31.10	37.05
82.00	24.20	33.43

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:40:24 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

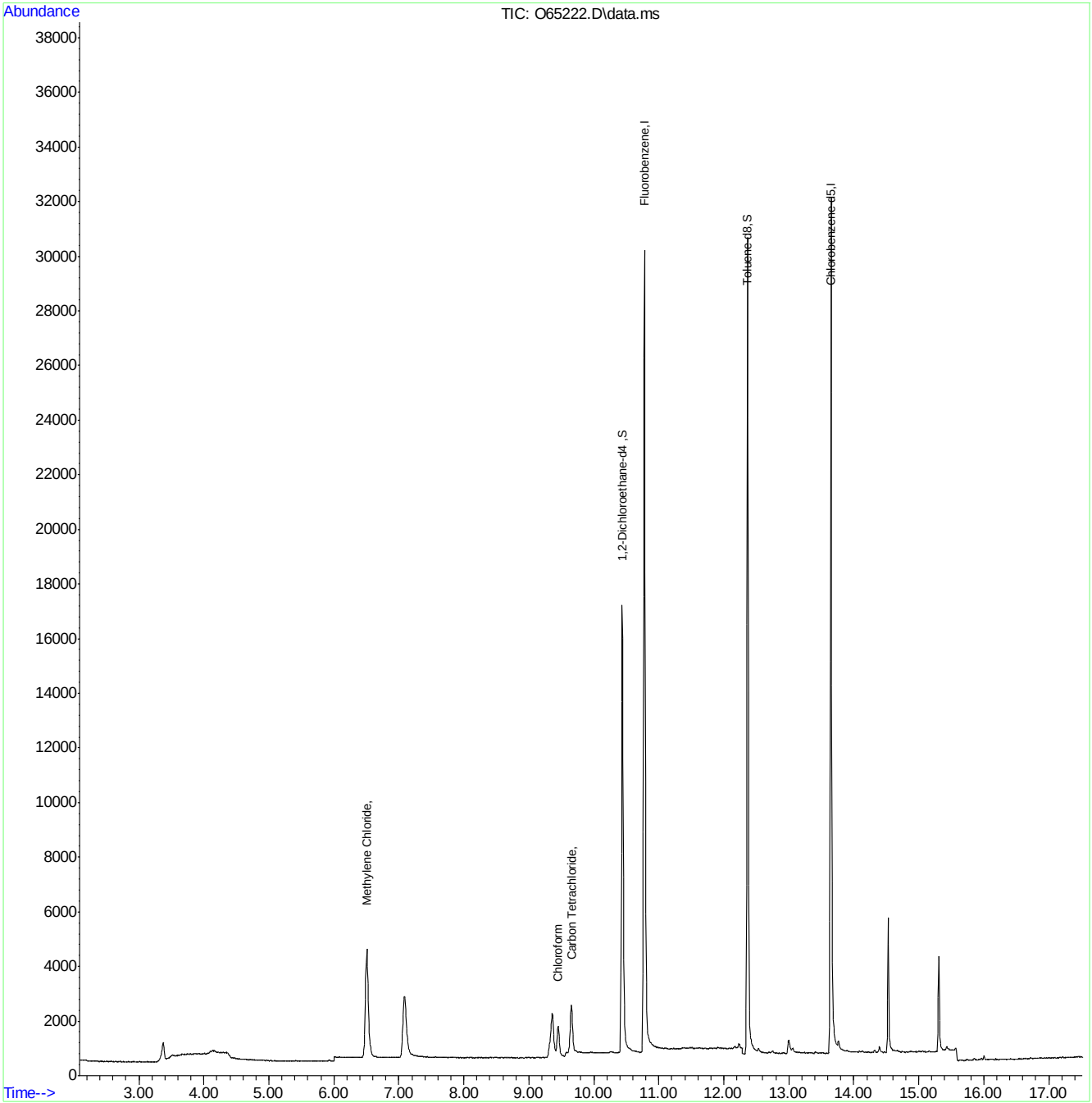
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34559	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24076	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15596	5.33	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.60%			
19) Toluene-d8	12.367	98	26891	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	5066	0.53	ug/L	89
9) Chloroform	9.450	83	1239m	0.16	ug/L	
10) Carbon Tetrachloride	9.657	117	1632m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

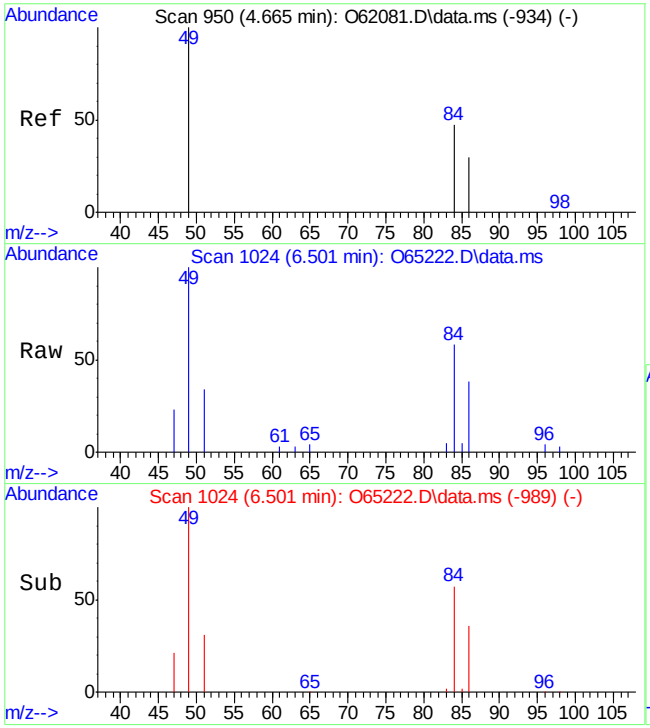
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:40:24 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



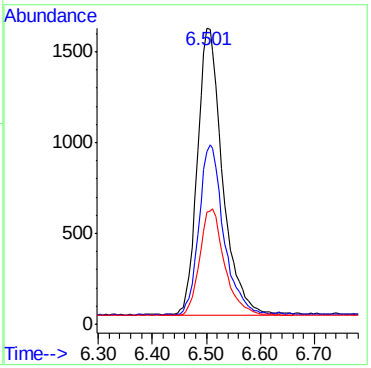
SIMCL-09-13-2021.M Tue Sep 14 11:51:09 2021 Page: 2

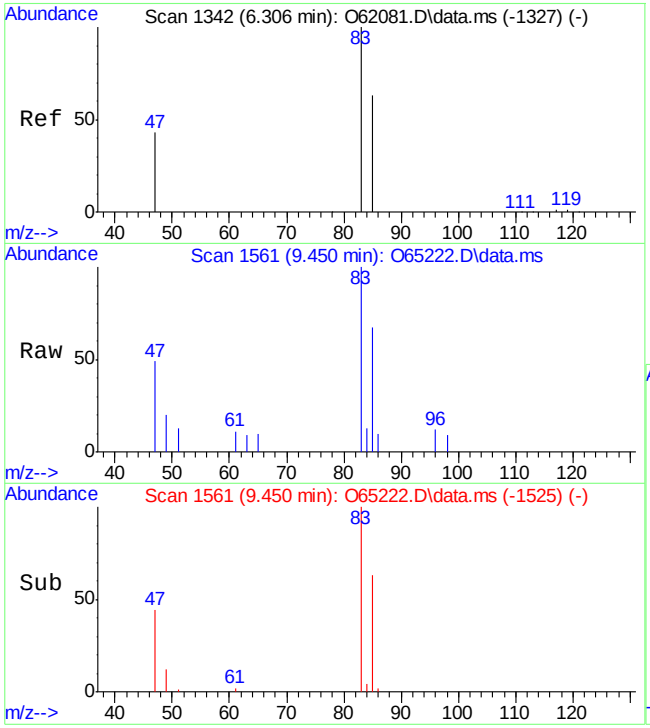


#5
Methylene Chloride
Concen: 0.53 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65222.D
Acq: 14 Sep 2021 8:04 am

Tgt Ion: 49 Resp: 5066

Ion	Ratio	Lower	Upper
49	100		
84	56.8	35.5	95.5
86	36.1	12.8	72.8

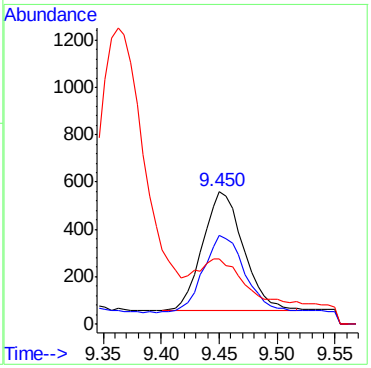


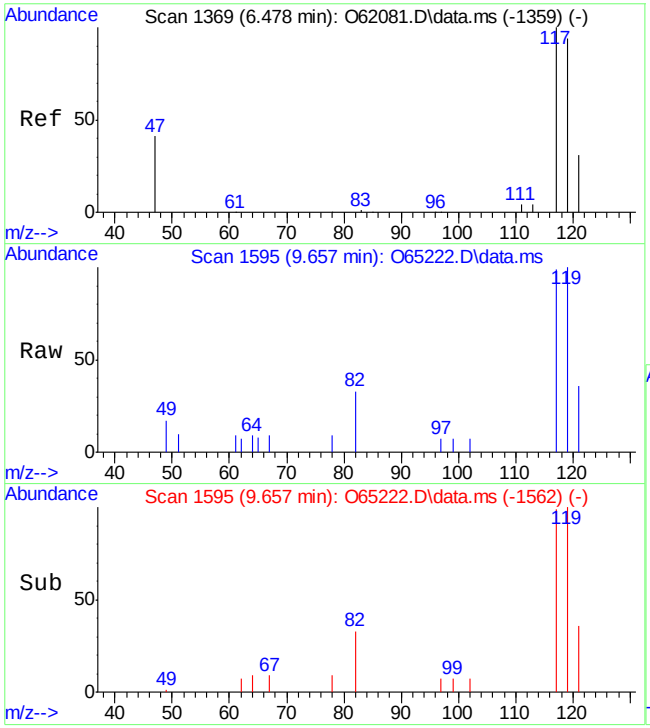


#9
Chloroform
Concen: 0.16 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65222.D
Acq: 14 Sep 2021 8:04 am

Tgt Ion: 83 Resp: 1239

Ion	Ratio	Lower	Upper
83	100		
85	66.6	33.7	93.7
47	48.7	5.1	65.1

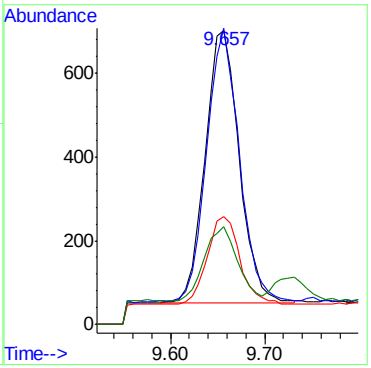




#10
Carbon Tetrachloride
Concen: 0.33 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65222.D
Acq: 14 Sep 2021 8:04 am

Tgt Ion:117 Resp: 1632

Ion	Ratio	Lower	Upper
117	100		
119	100.9	68.2	128.2
121	36.6	1.1	61.1
82	33.2	0.0	54.2



Manual Integration Approval Summary

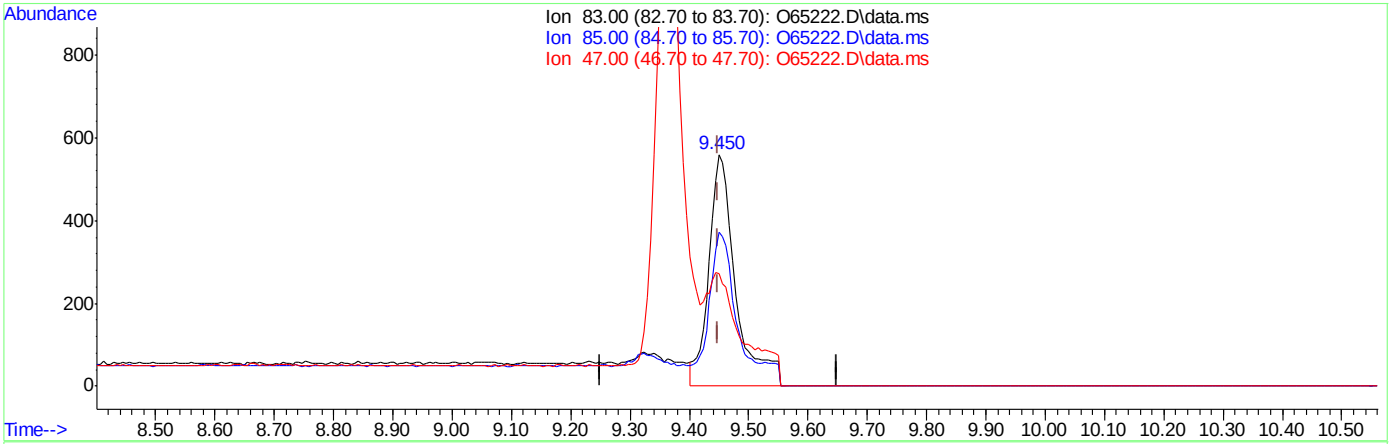
Sample Number: FA88736-31
Lab FileID: O65222.D
Injection Time: 09/14/21 08:04
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

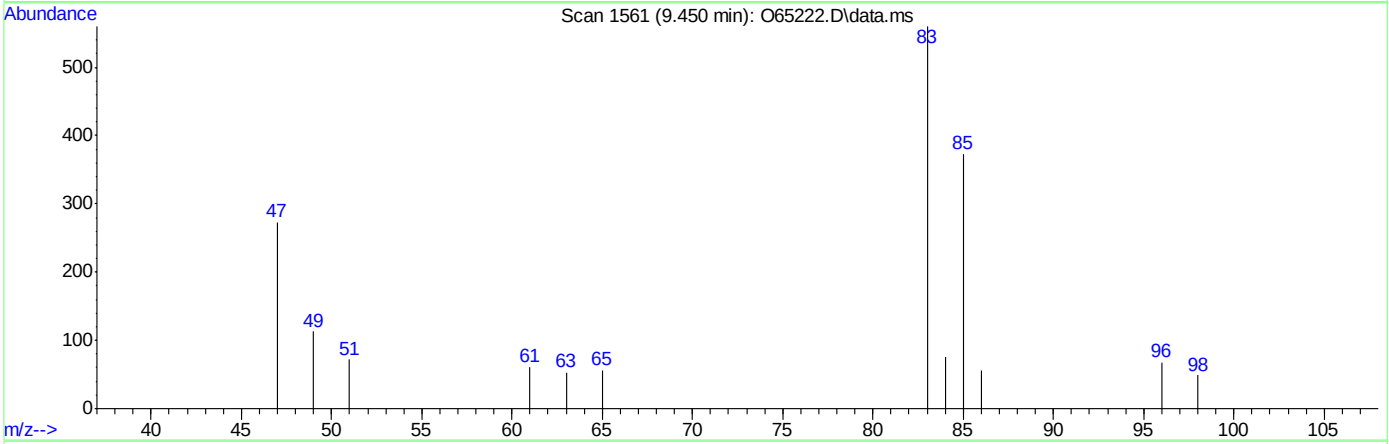
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:32:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65222.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.22ug/L

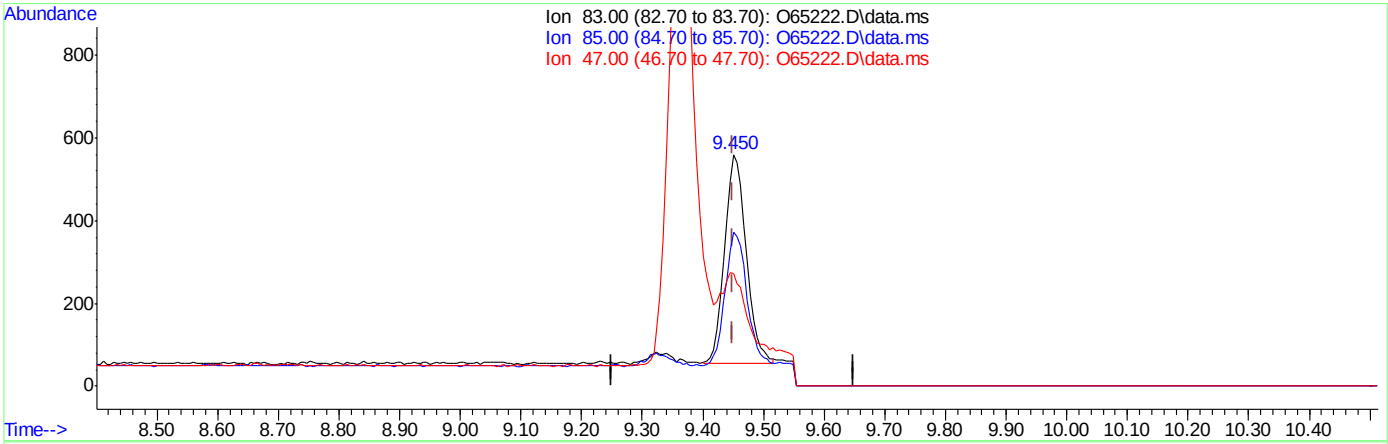
response 1756

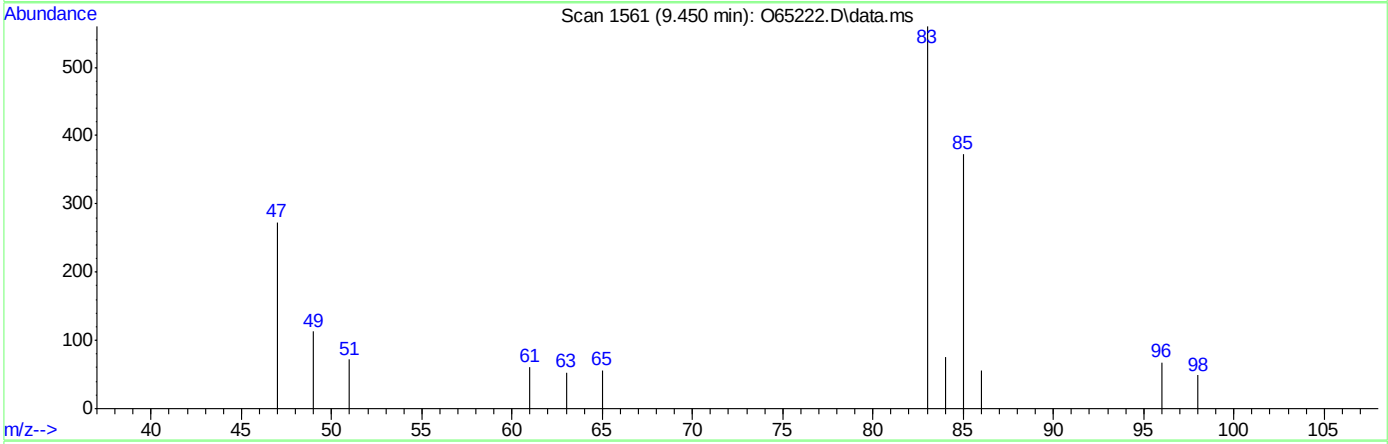
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.61
47.00	35.10	48.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:32:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65222.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.16ug/L m

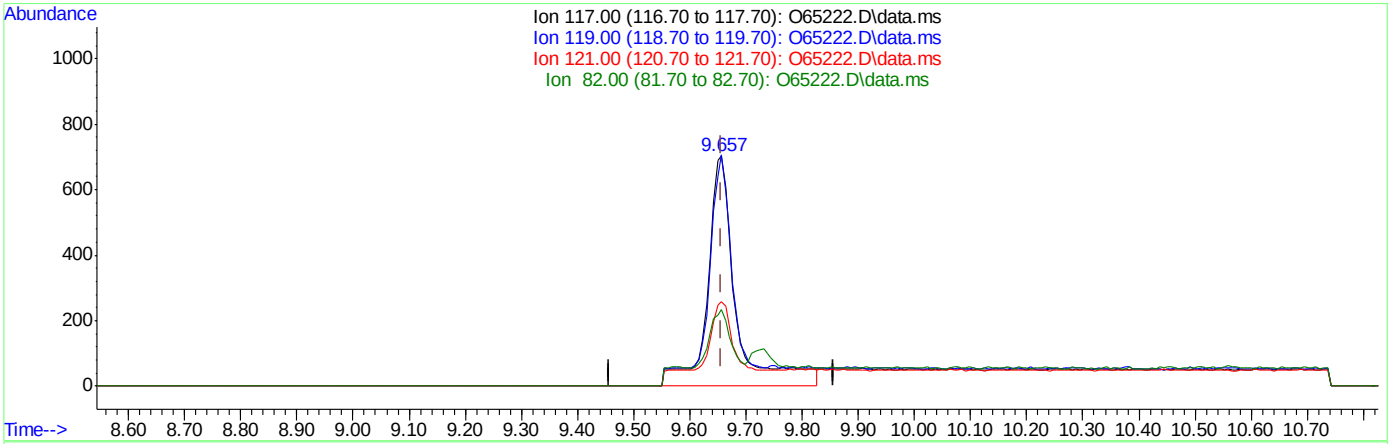
response 1239

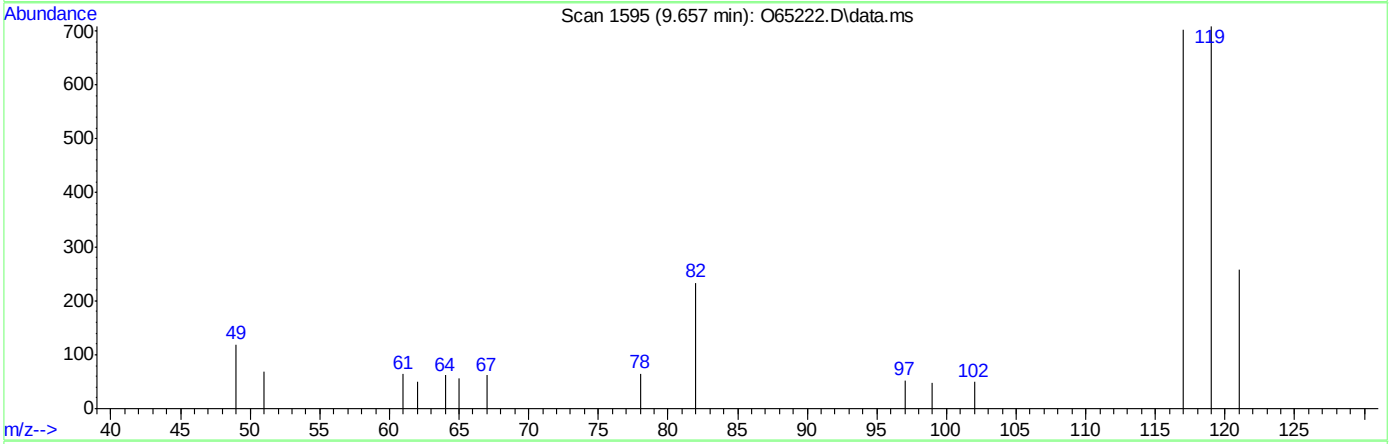
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.61
47.00	35.10	48.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:32:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65222.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.50ug/L

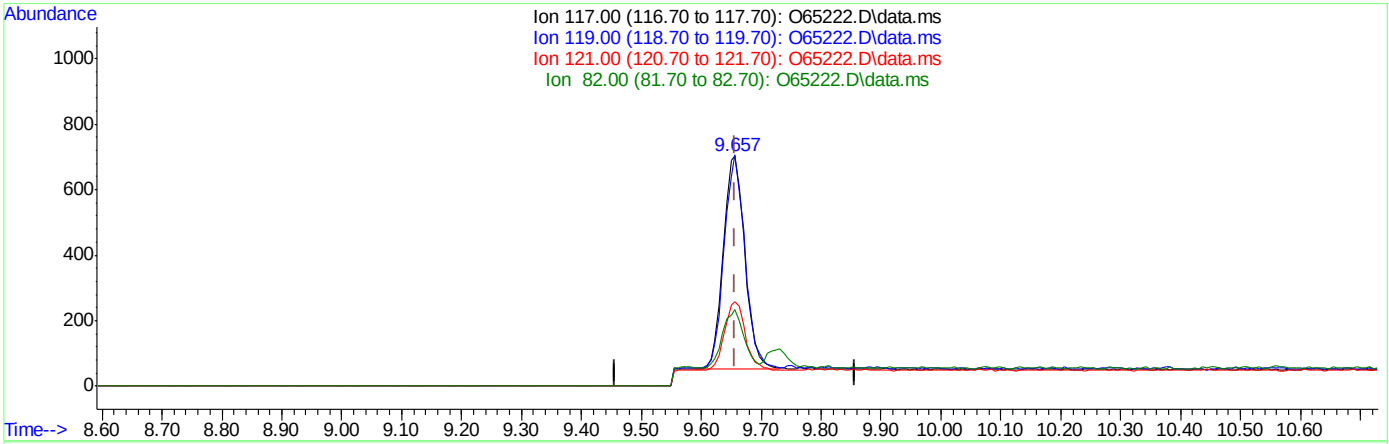
response 2479

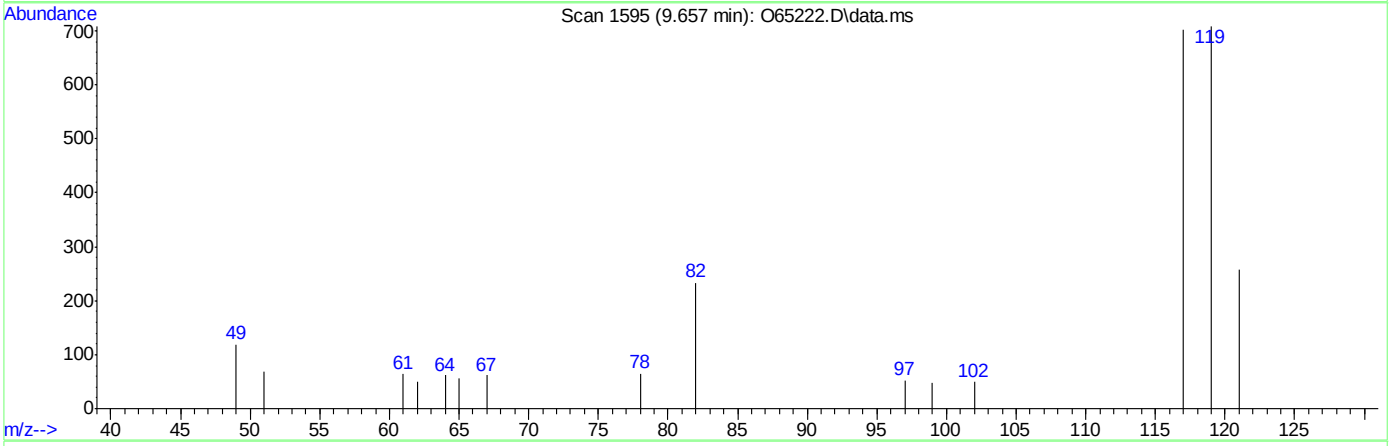
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.85
121.00	31.10	36.61
82.00	24.20	33.19

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65222.D
Acq On : 14 Sep 2021 8:04 am
Operator : charleng
Sample : FA88736-31 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 14 11:32:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65222.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.33ug/L m

response 1632

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.85
121.00	31.10	36.61
82.00	24.20	33.19

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:40:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

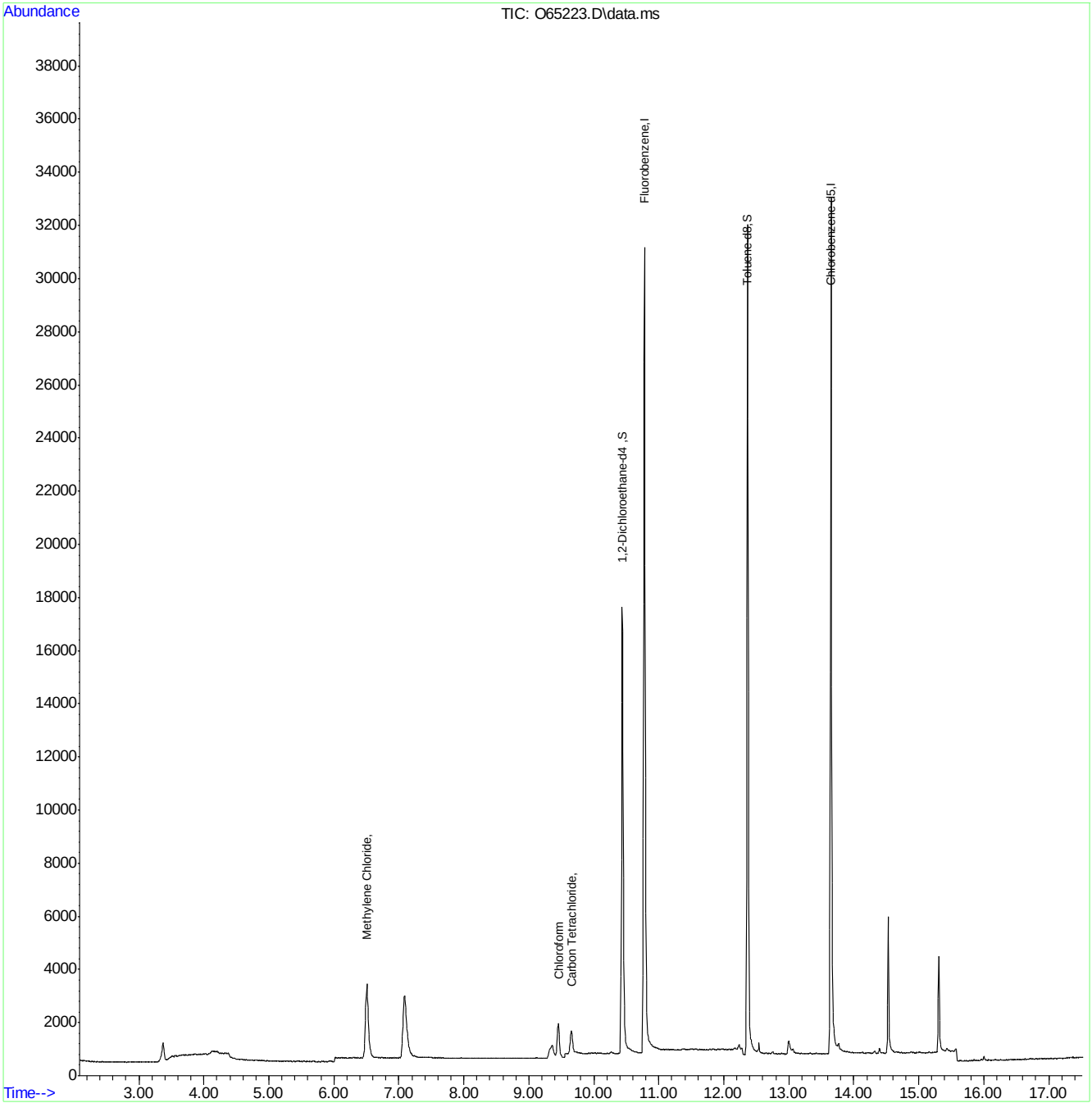
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35528	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25179	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16037	5.33	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.60%			
19) Toluene-d8	12.367	98	27921	4.75	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.00%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3526	0.36	ug/L	90
9) Chloroform	9.456	83	1447m	0.18	ug/L	
10) Carbon Tetrachloride	9.657	117	812m	0.16	ug/L	

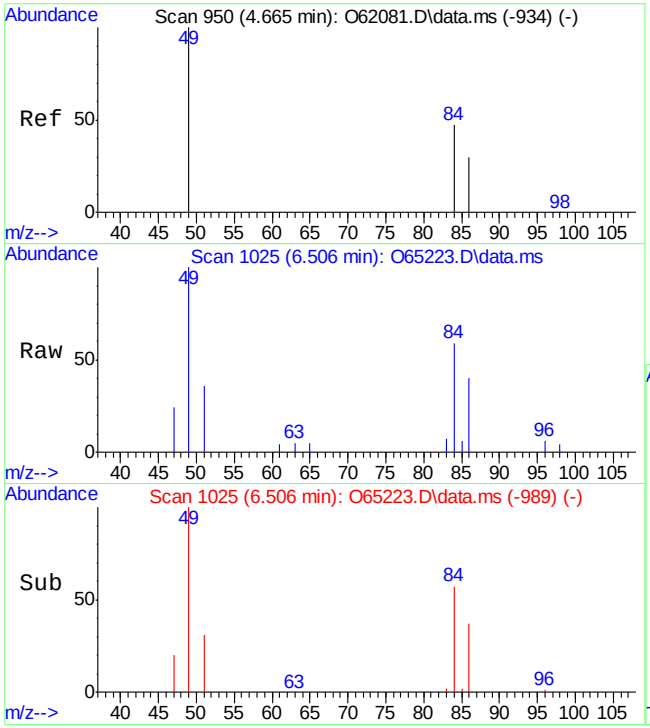
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:40:50 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

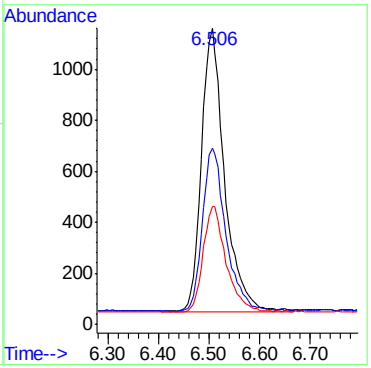


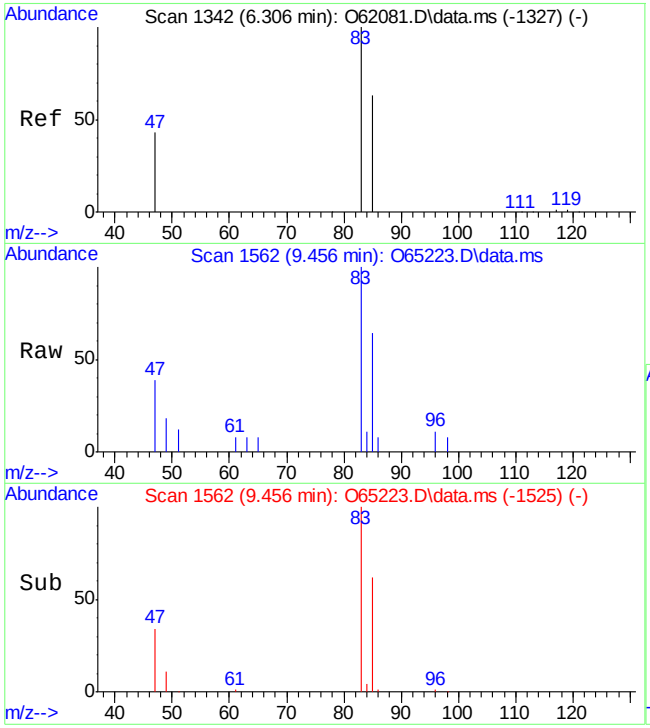


#5
Methylene Chloride
Concen: 0.36 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65223.D
Acq: 14 Sep 2021 8:27 am

Tgt Ion: 49 Resp: 3526

Ion	Ratio	Lower	Upper
49	100		
84	57.3	35.5	95.5
86	37.1	12.8	72.8

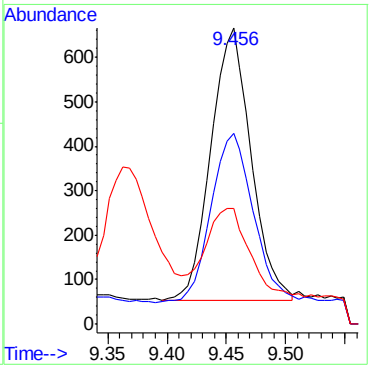


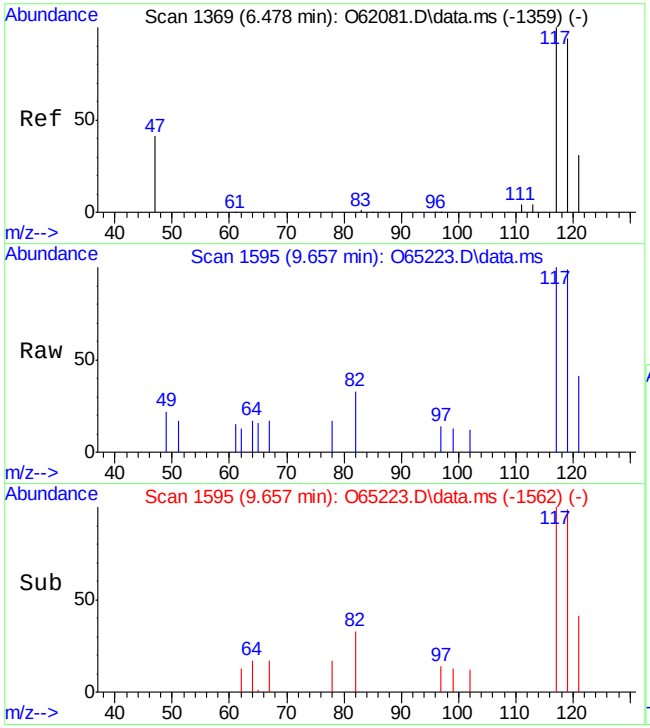


#9
Chloroform
Concen: 0.18 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65223.D
Acq: 14 Sep 2021 8:27 am

Tgt Ion: 83 Resp: 1447

Ion	Ratio	Lower	Upper
83	100		
85	64.3	33.7	93.7
47	38.9	5.1	65.1

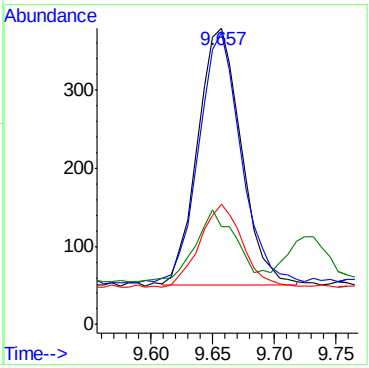




#10
Carbon Tetrachloride
Concen: 0.16 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65223.D
Acq: 14 Sep 2021 8:27 am

Tgt Ion:117 Resp: 812

Ion	Ratio	Lower	Upper
117	100		
119	98.7	68.2	128.2
121	40.6	1.1	61.1
82	33.0	0.0	54.2



Manual Integration Approval Summary

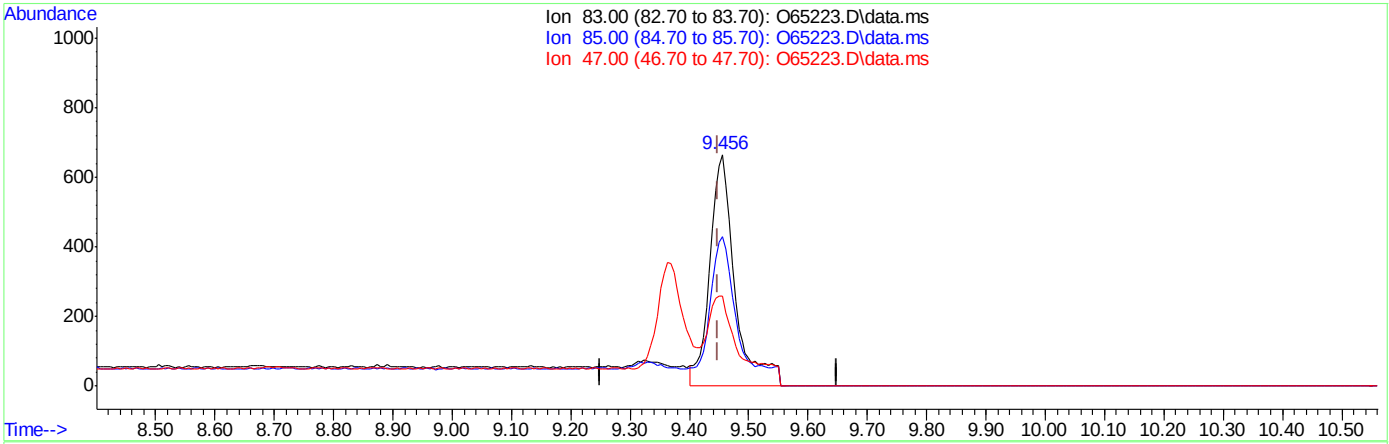
Sample Number: FA88736-32
Lab FileID: O65223.D
Injection Time: 09/14/21 08:27
Method: SW846 8260B BY SIM
Analyst approved: 09/14/21 11:48 Charlene Gonzalez
Supervisor approved: 09/19/21 23:15 Chelsea VanDenBurg

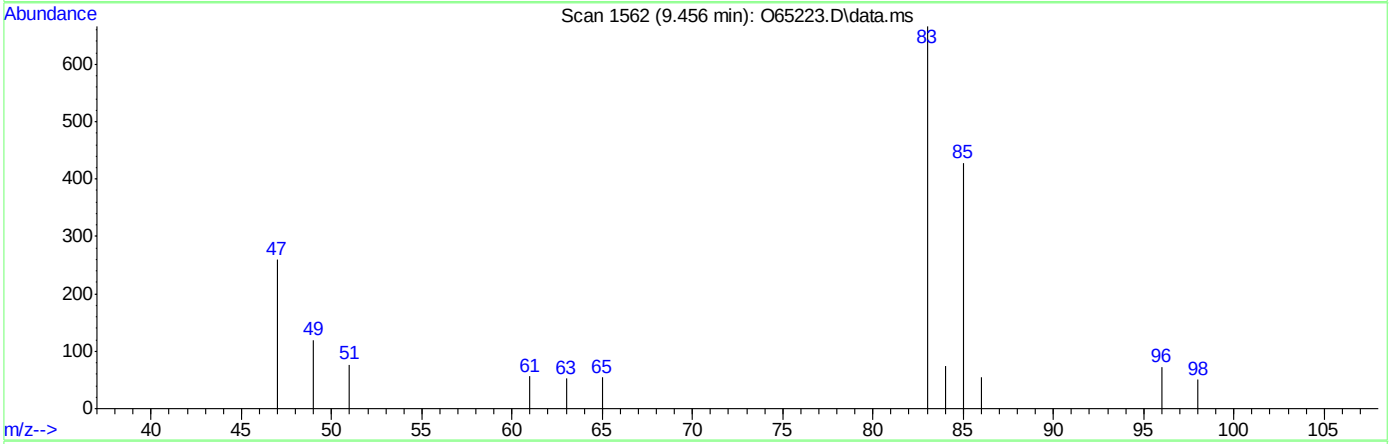
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:32:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65223.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.24ug/L

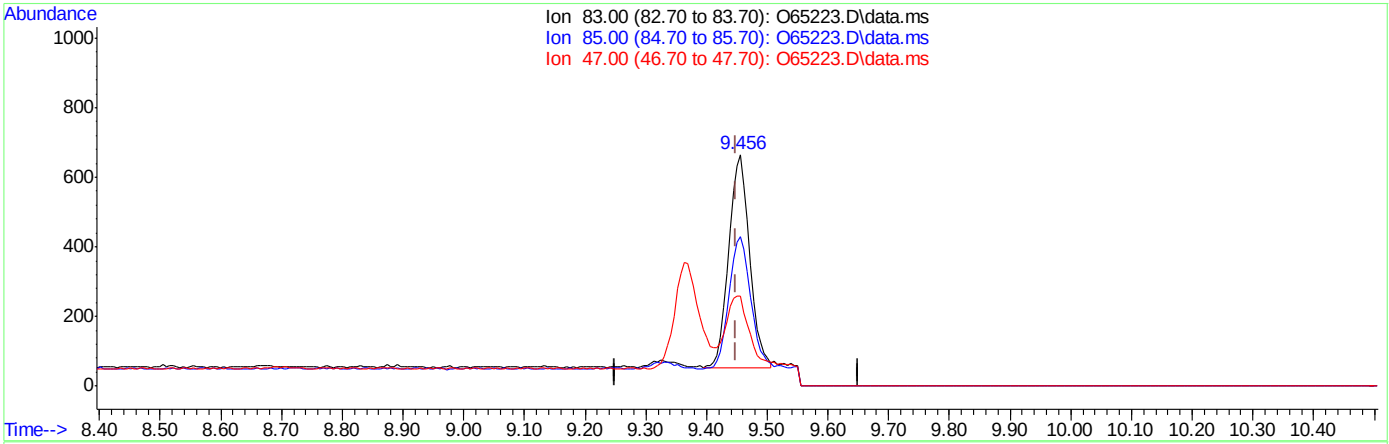
response 1959

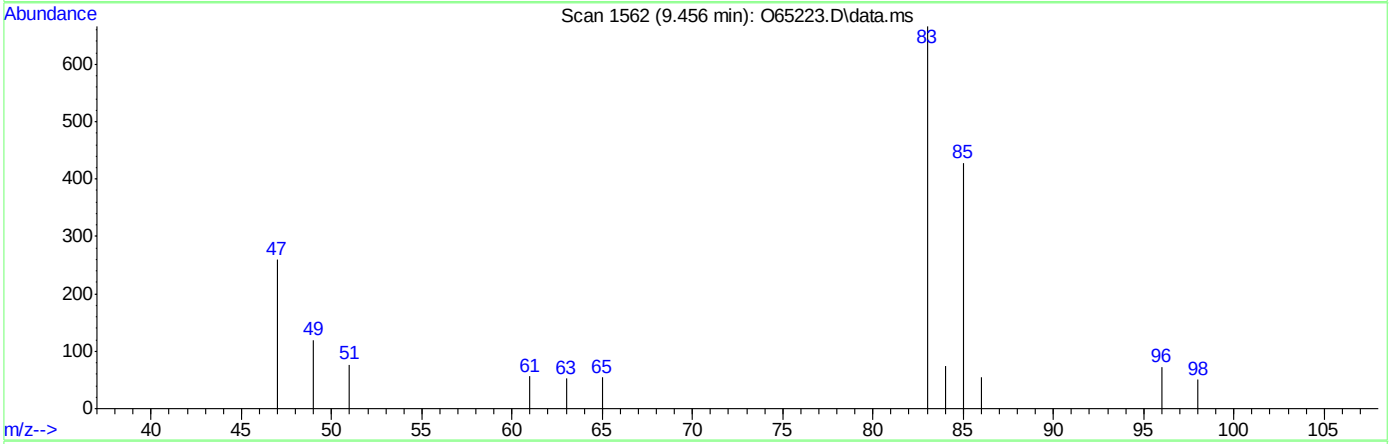
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.26
47.00	35.10	38.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:32:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65223.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.18ug/L m

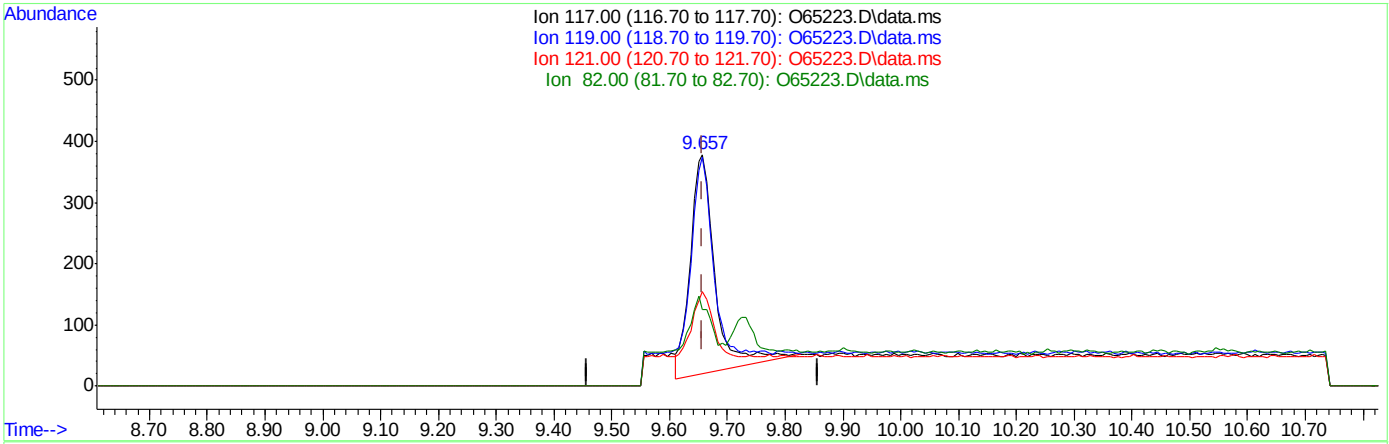
response 1447

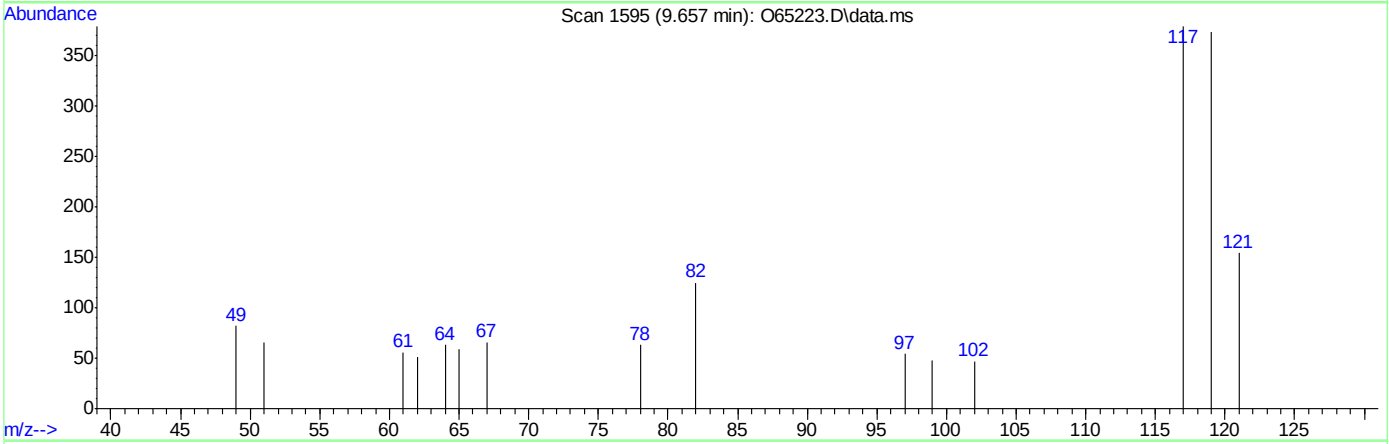
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.26
47.00	35.10	38.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:32:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65223.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.21ug/L

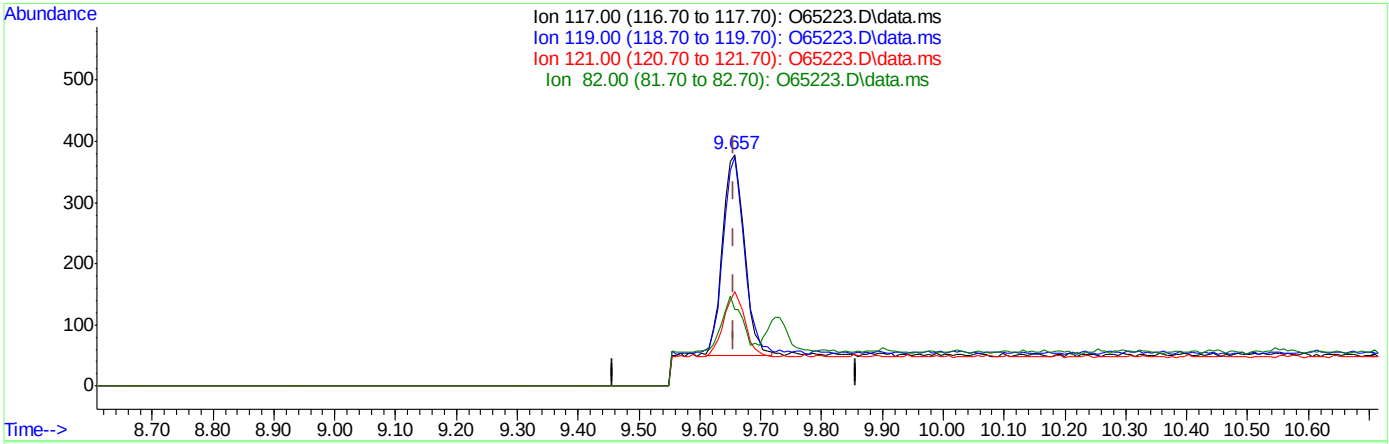
response 1060

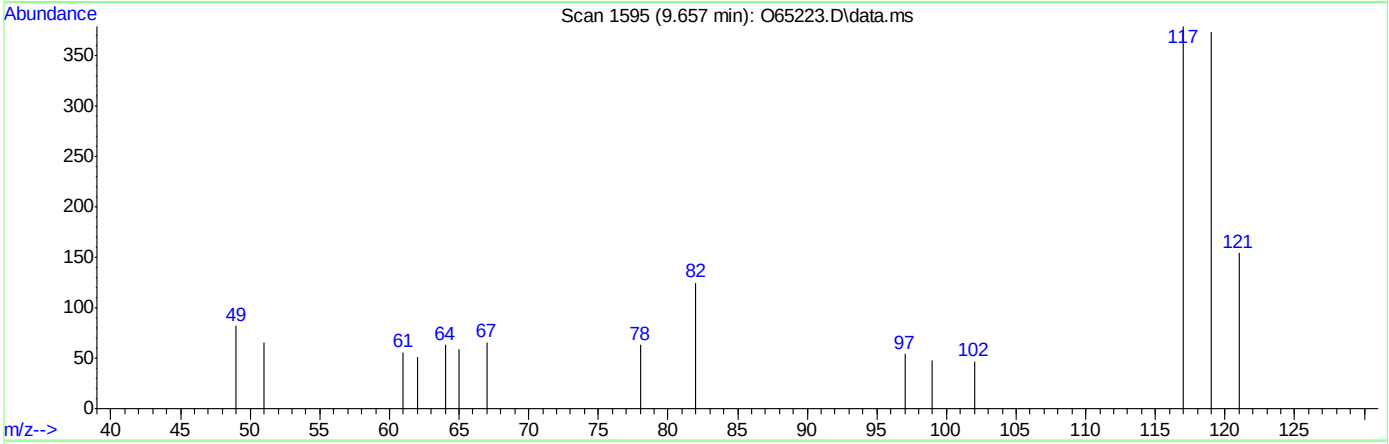
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.86
121.00	31.10	32.42
82.00	24.20	21.10

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65223.D
Acq On : 14 Sep 2021 8:27 am
Operator : charleng
Sample : FA88736-32 Inst : MSVOA12
Misc : MS49714,VO2558,,,,,
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 14 11:32:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65223.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.16ug/L m

response 812

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.68
121.00	31.10	40.63
82.00	24.20	32.98

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:58:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

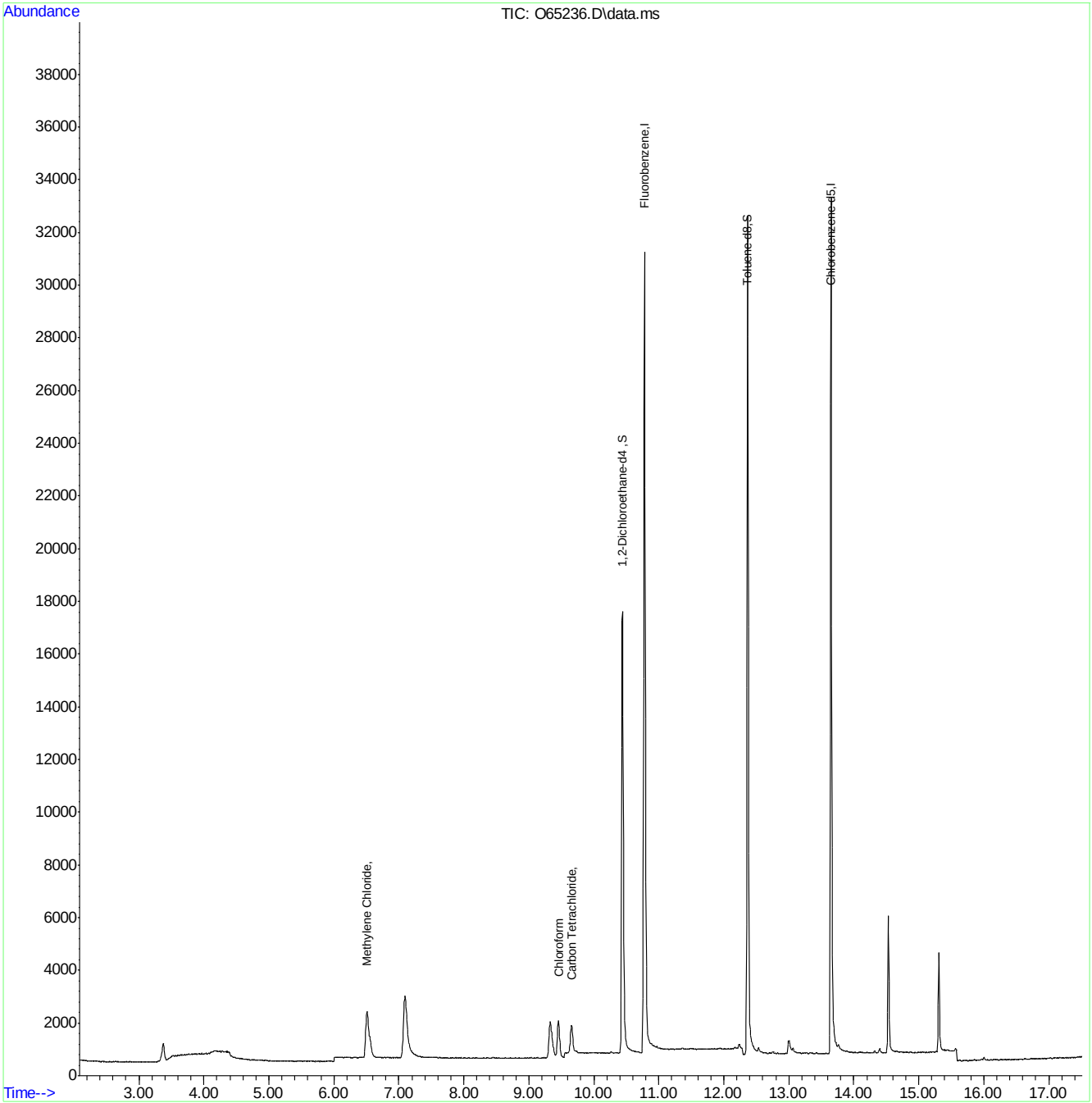
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36020	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25298	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16073	5.27	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.40%			
19) Toluene-d8	12.367	98	28401	4.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	2757	0.28	ug/L	88
9) Chloroform	9.456	83	1508m	0.18	ug/L	
10) Carbon Tetrachloride	9.657	117	1012m	0.20	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

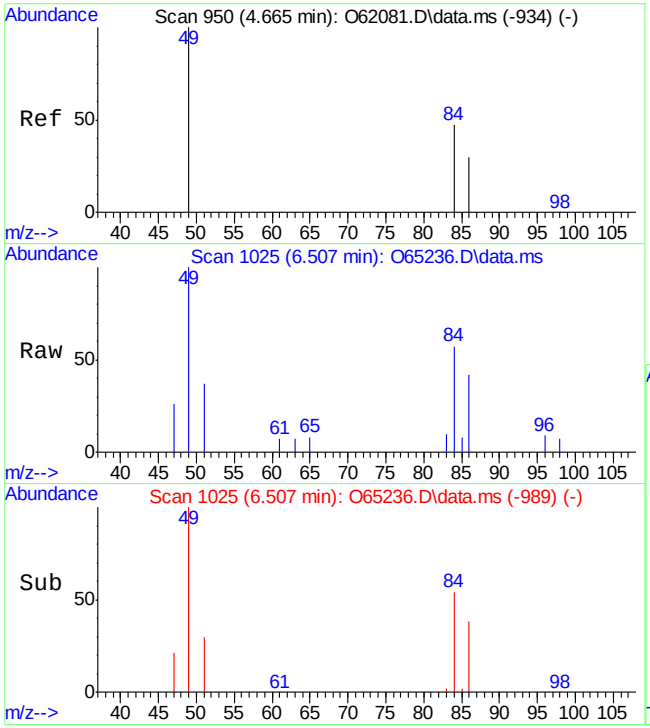
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:58:06 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



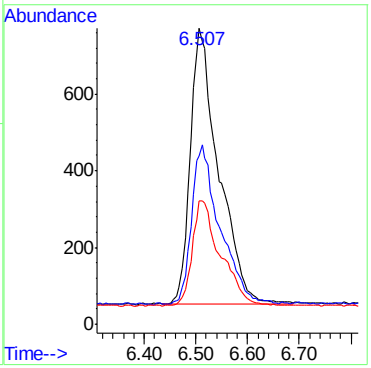
SIMCL-09-13-2021.M Wed Sep 15 09:12:08 2021 Page: 2

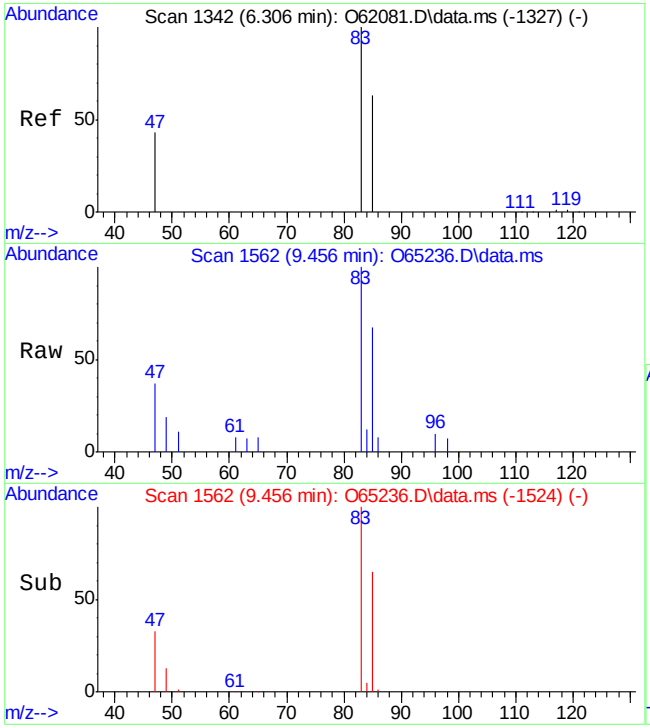


#5
Methylene Chloride
Concen: 0.28 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. -0.000 min
Lab File: O65236.D
Acq: 14 Sep 2021 3:44 pm

Tgt Ion: 49 Resp: 2757

Ion	Ratio	Lower	Upper
49	100		
84	53.5	35.5	95.5
86	38.2	12.8	72.8

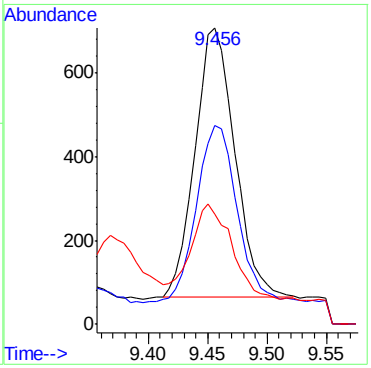


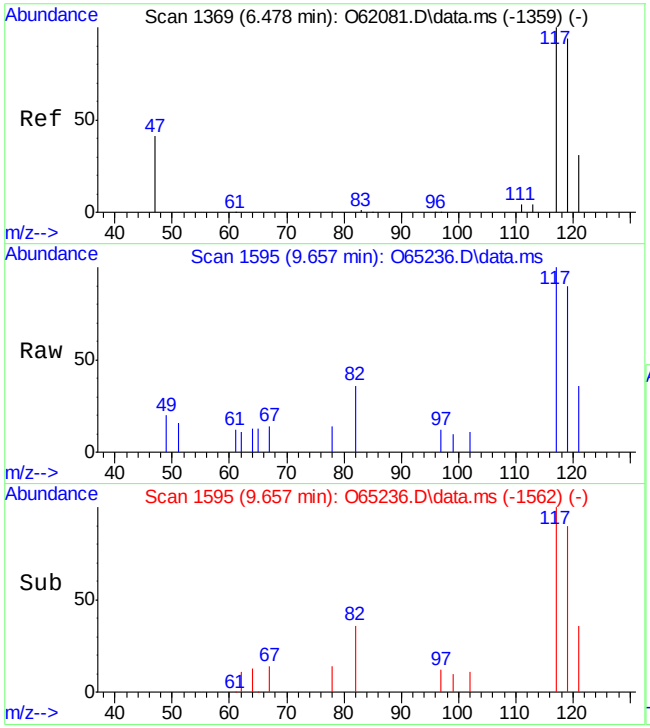


#9
Chloroform
Concen: 0.18 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65236.D
Acq: 14 Sep 2021 3:44 pm

Tgt Ion: 83 Resp: 1508

Ion	Ratio	Lower	Upper
83	100		
85	67.1	33.7	93.7
47	37.0	5.1	65.1

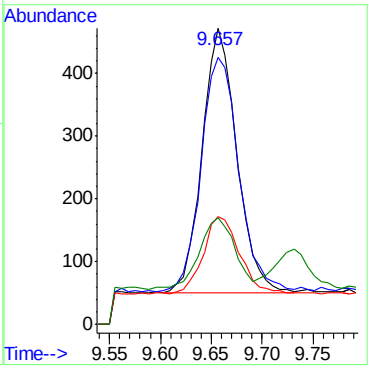




#10
Carbon Tetrachloride
Concen: 0.20 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65236.D
Acq: 14 Sep 2021 3:44 pm

Tgt Ion:117 Resp: 1012

Ion	Ratio	Lower	Upper
117	100		
119	90.3	68.2	128.2
121	36.4	1.1	61.1
82	36.0	0.0	54.2



Manual Integration Approval Summary

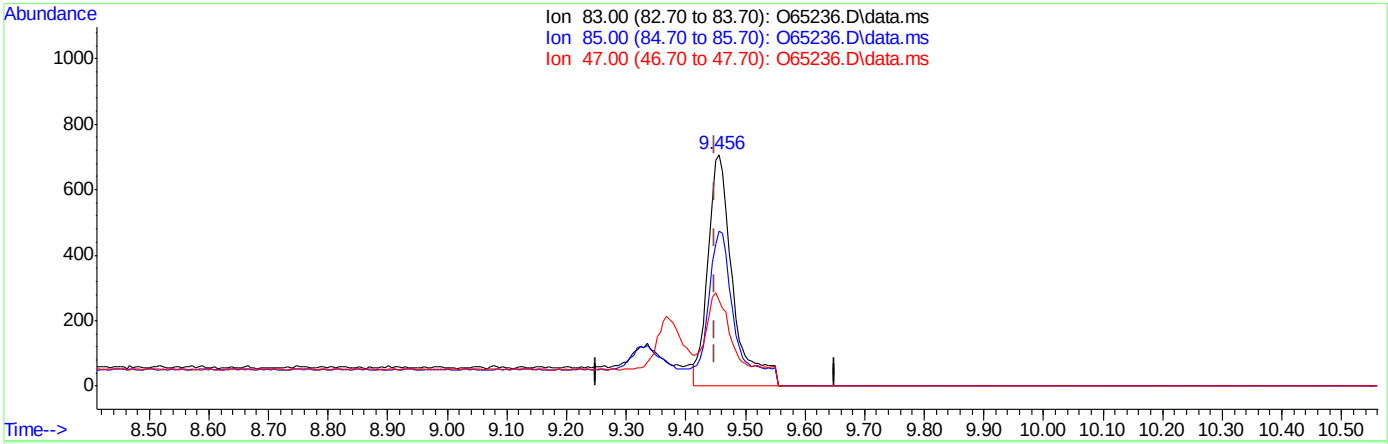
Sample Number: FA88736-33
Lab FileID: O65236.D
Injection Time: 09/14/21 15:44
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

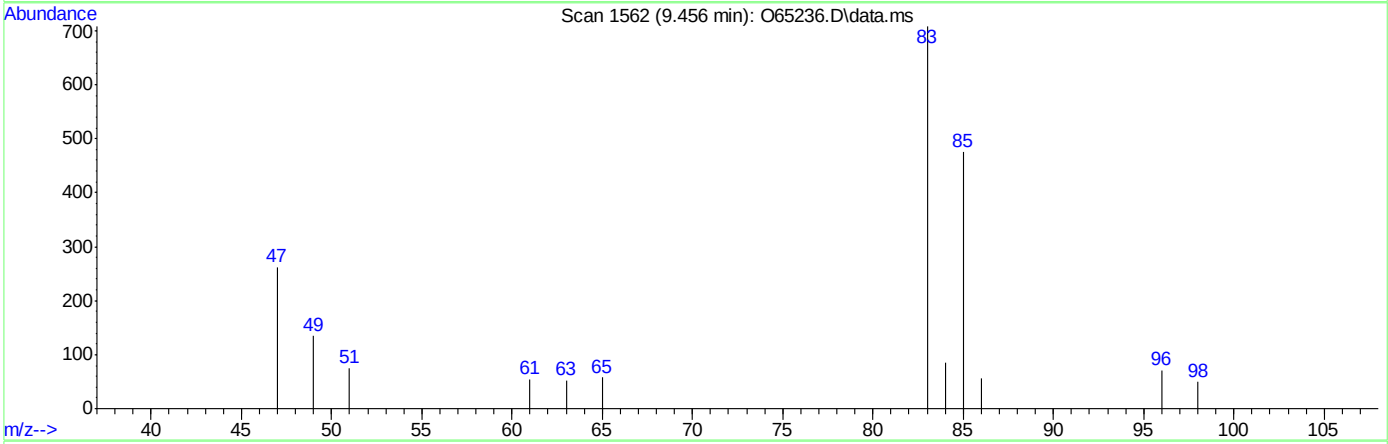
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:31:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65236.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.25ug/L

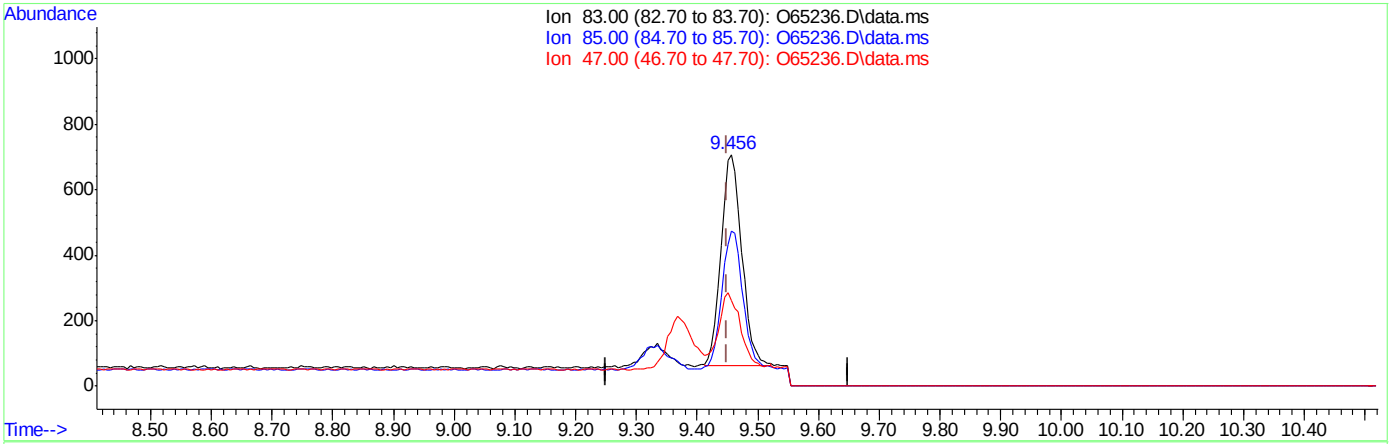
response 2053

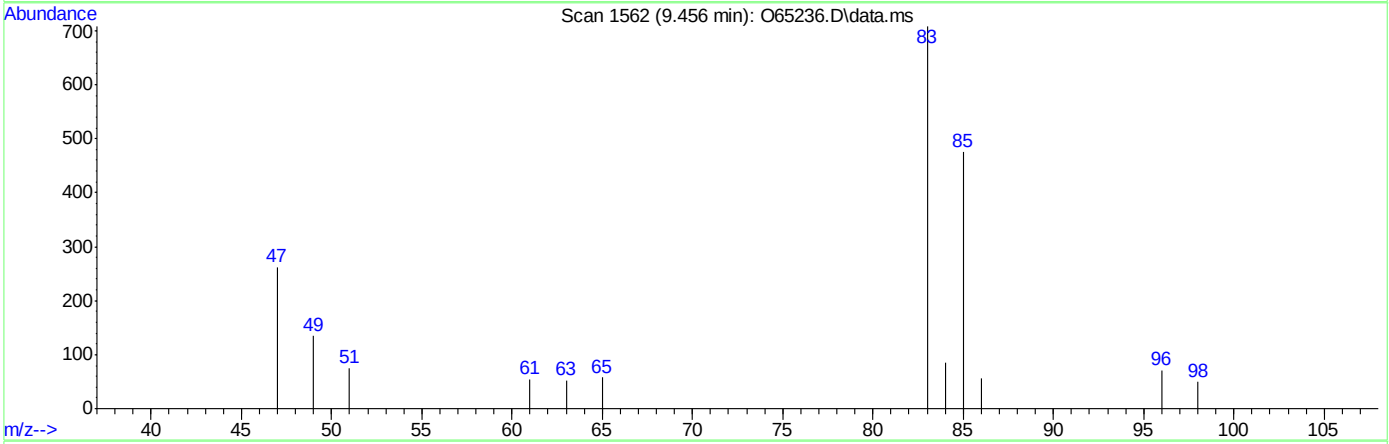
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.09
47.00	35.10	37.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:31:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65236.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.18ug/L m

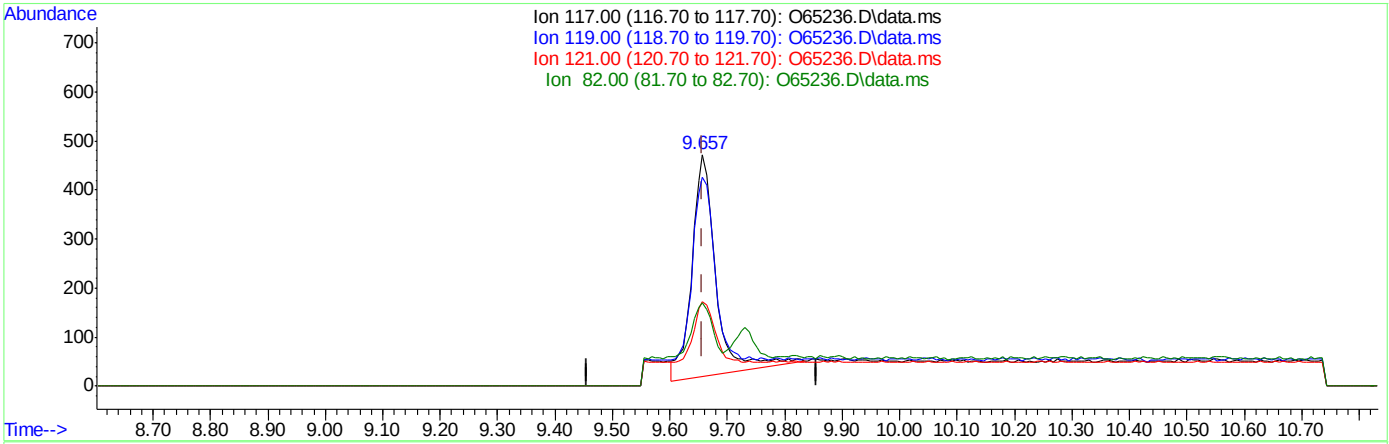
response 1508

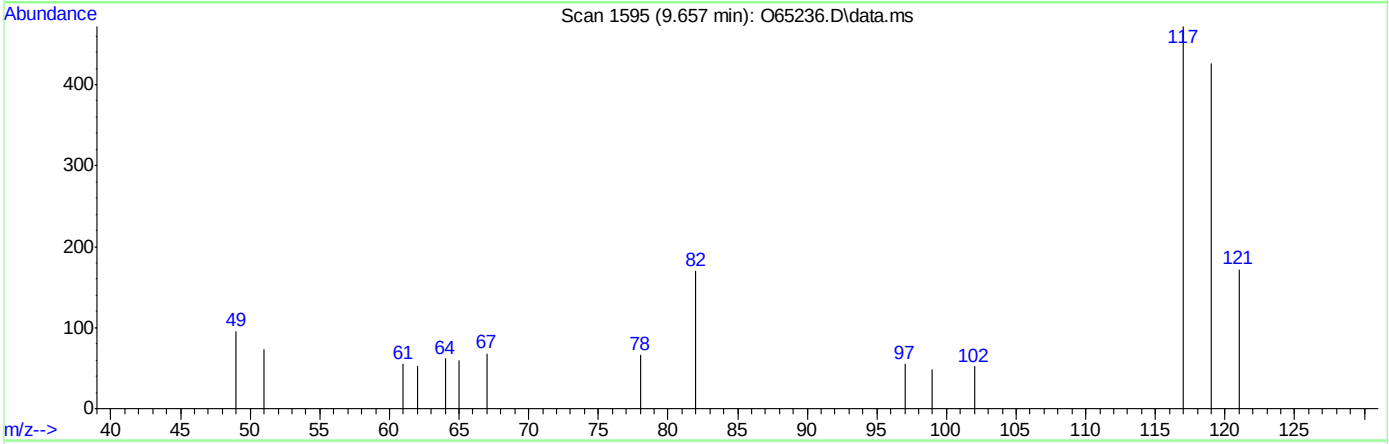
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.09
47.00	35.10	37.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:31:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65236.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.25ug/L

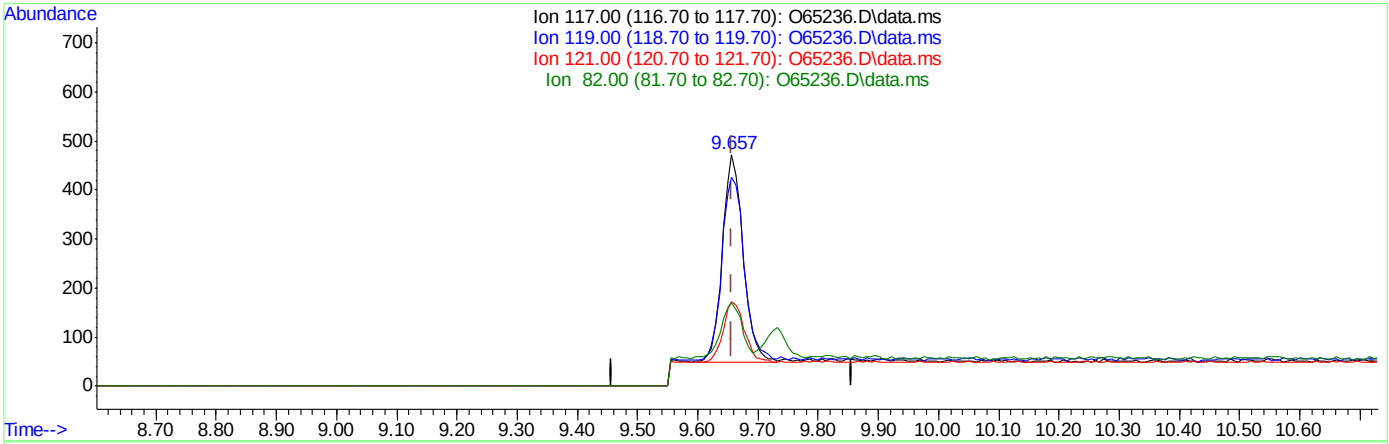
response 1295

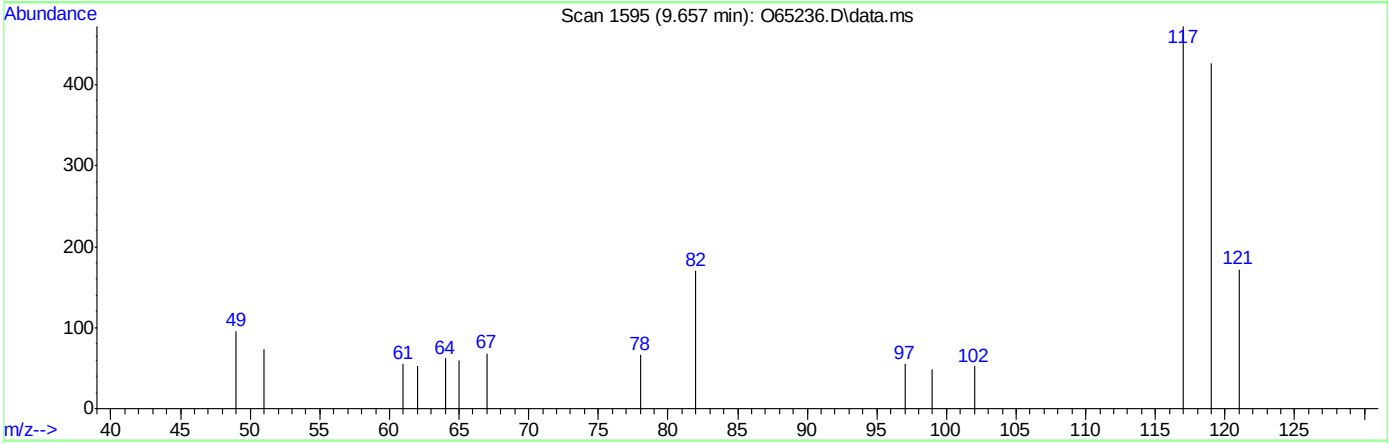
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	88.36
121.00	31.10	28.98
82.00	24.20	26.37

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65236.D
Acq On : 14 Sep 2021 3:44 pm
Operator : CHARLENG
Sample : FA88736-33 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 15 08:31:09 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65236.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.20ug/L m

response 1012

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	90.25
121.00	31.10	36.44
82.00	24.20	36.02

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:58:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

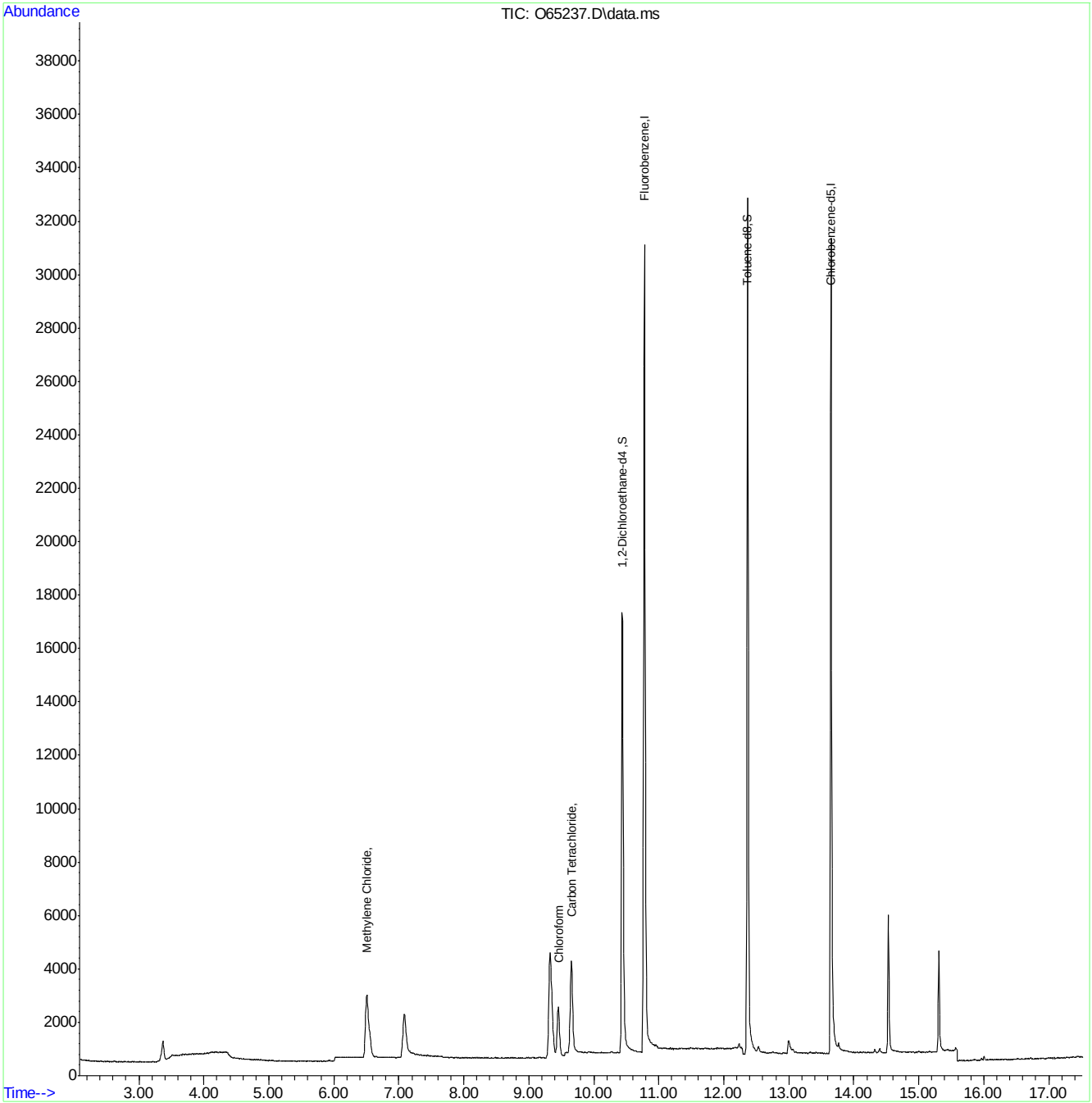
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35757	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25319	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16168	5.34	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.80%			
19) Toluene-d8	12.367	98	28516	4.82	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	3631	0.37	ug/L	88
9) Chloroform	9.456	83	2073m	0.25	ug/L	
10) Carbon Tetrachloride	9.657	117	3255m	0.64	ug/L	

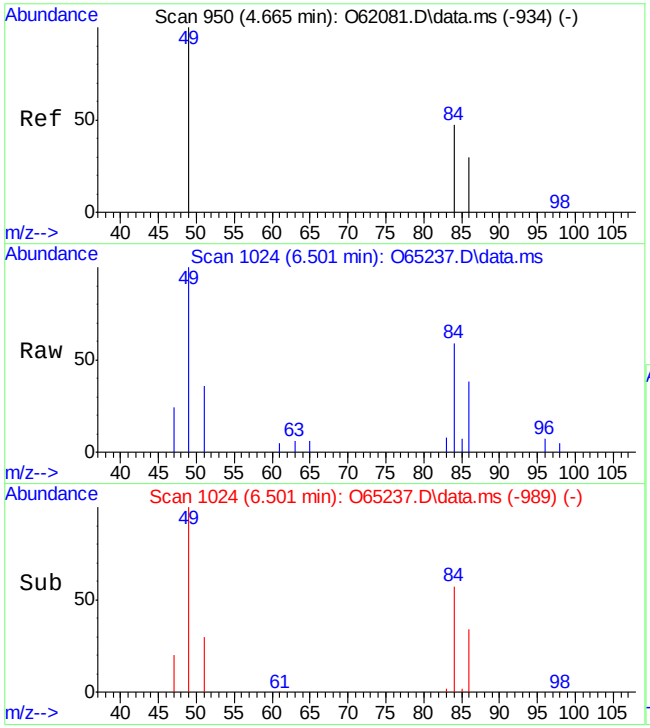
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:58:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

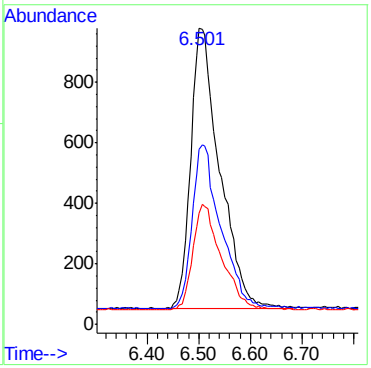


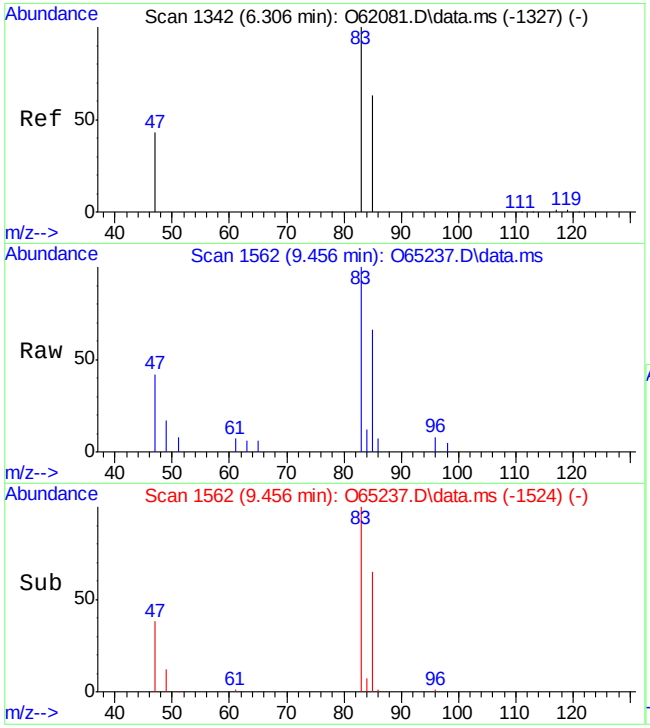


#5
Methylene Chloride
Concen: 0.37 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65237.D
Acq: 14 Sep 2021 4:07 pm

Tgt Ion: 49 Resp: 3631

Ion	Ratio	Lower	Upper
49	100		
84	57.0	35.5	95.5
86	34.4	12.8	72.8

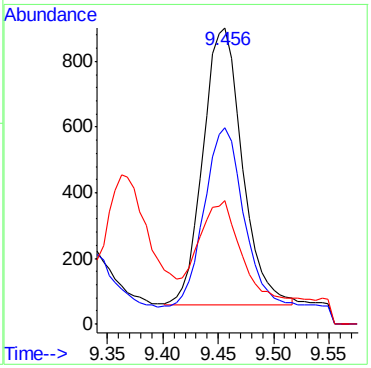


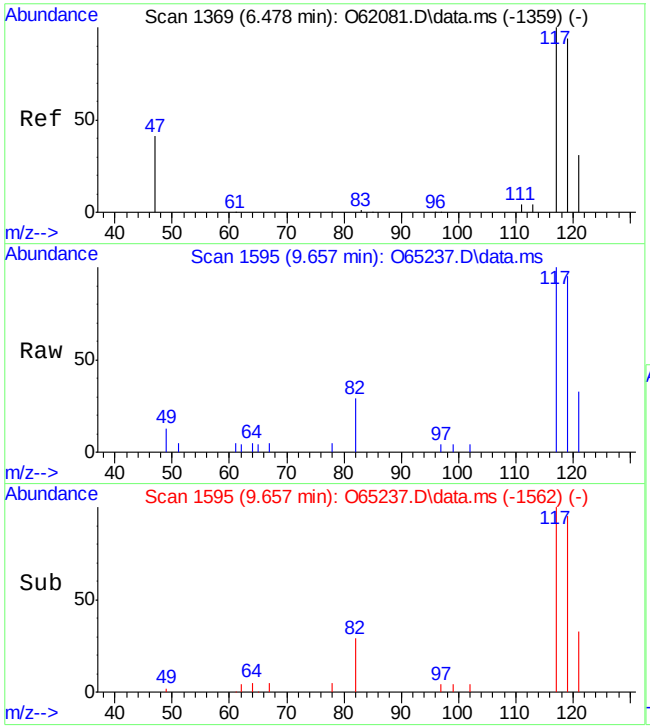


#9
Chloroform
Concen: 0.25 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65237.D
Acq: 14 Sep 2021 4:07 pm

Tgt Ion: 83 Resp: 2073

Ion	Ratio	Lower	Upper
83	100		
85	66.2	33.7	93.7
47	41.6	5.1	65.1

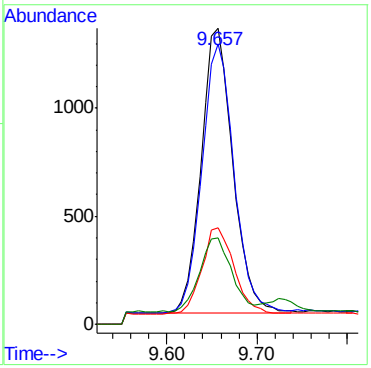




#10
Carbon Tetrachloride
Concen: 0.64 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65237.D
Acq: 14 Sep 2021 4:07 pm

Tgt Ion:117 Resp: 3255

Ion	Ratio	Lower	Upper
117	100		
119	94.6	68.2	128.2
121	32.6	1.1	61.1
82	29.3	0.0	54.2



Manual Integration Approval Summary

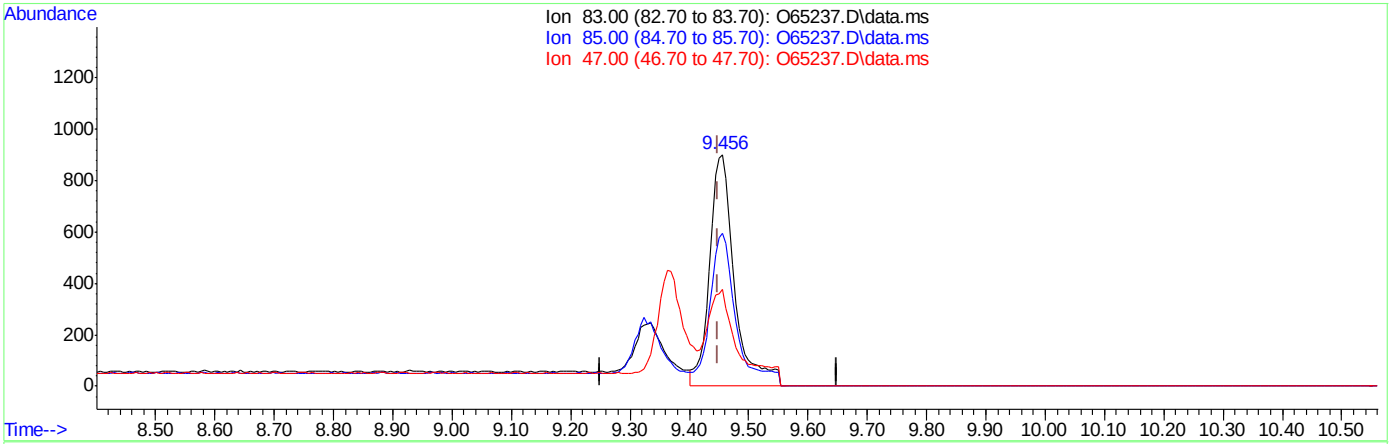
Sample Number: FA88736-34
Lab FileID: O65237.D
Injection Time: 09/14/21 16:07
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

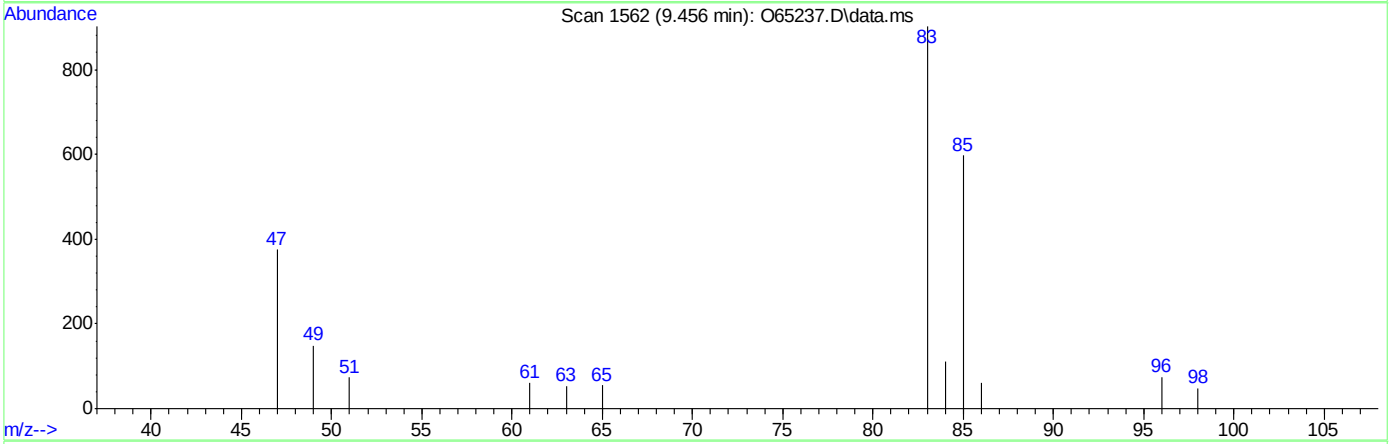
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:31:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65237.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.32ug/L

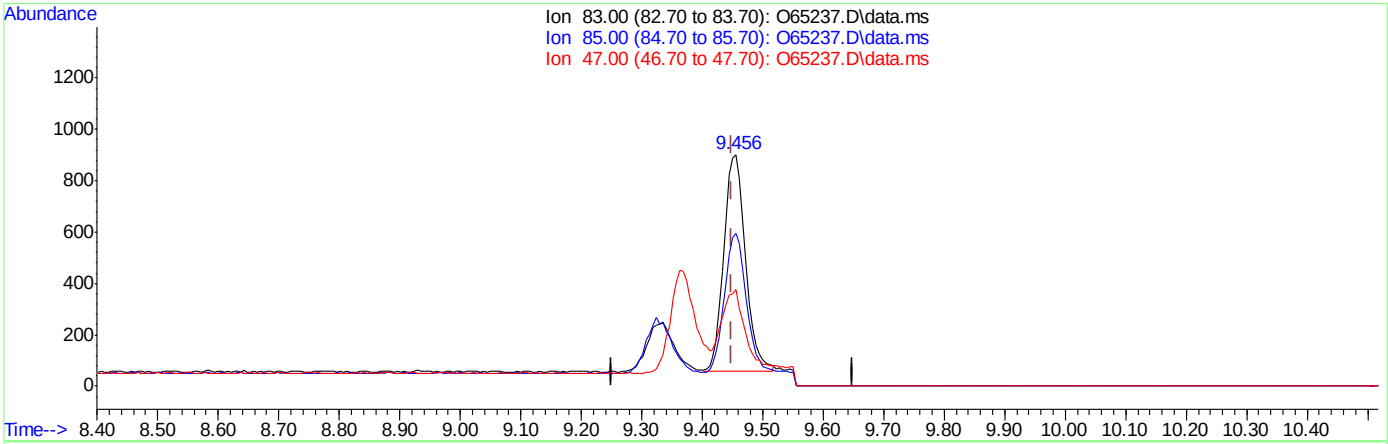
response 2633

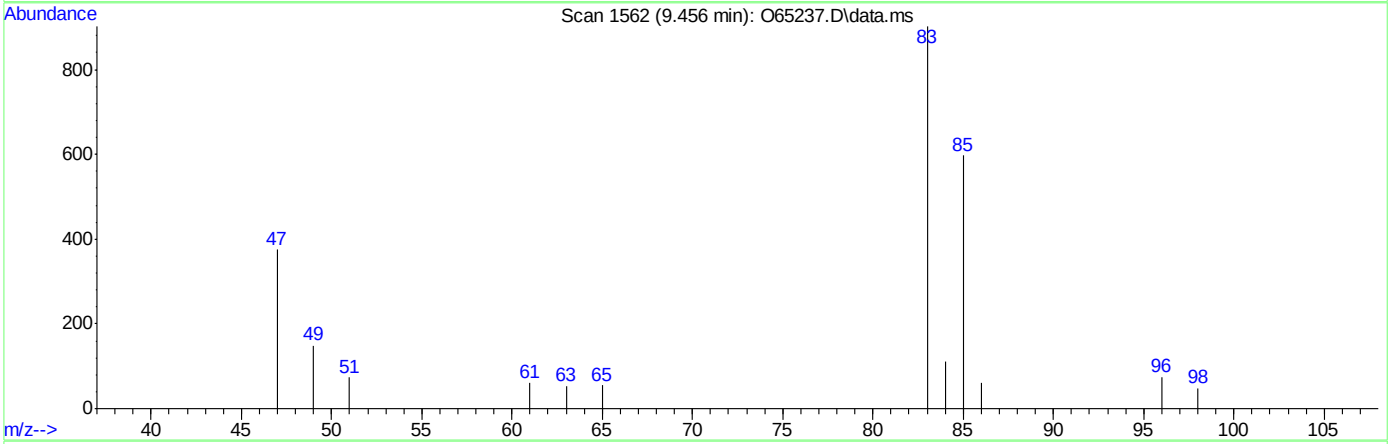
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.19
47.00	35.10	41.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:31:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65237.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.25ug/L m

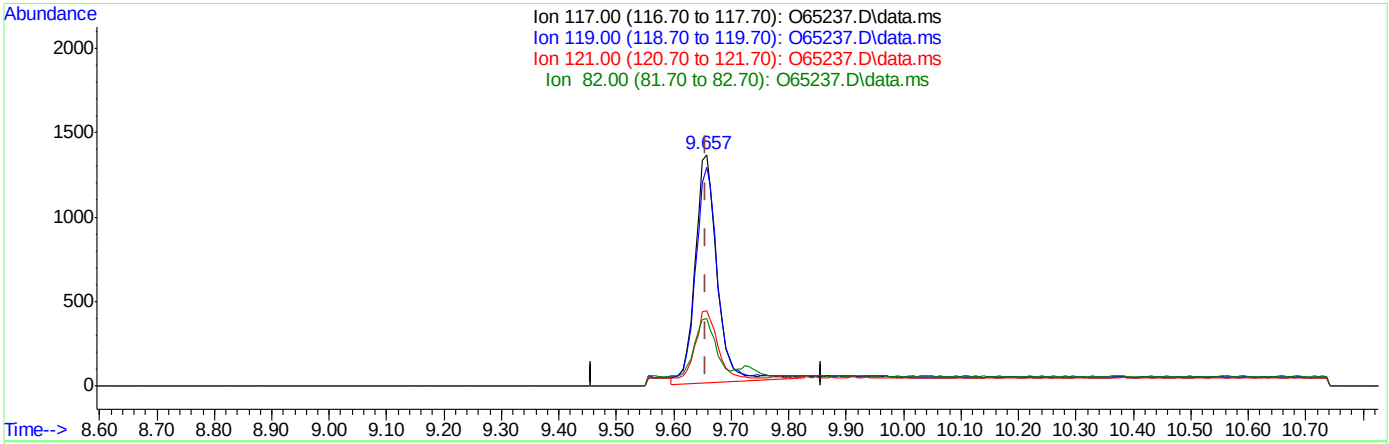
response 2073

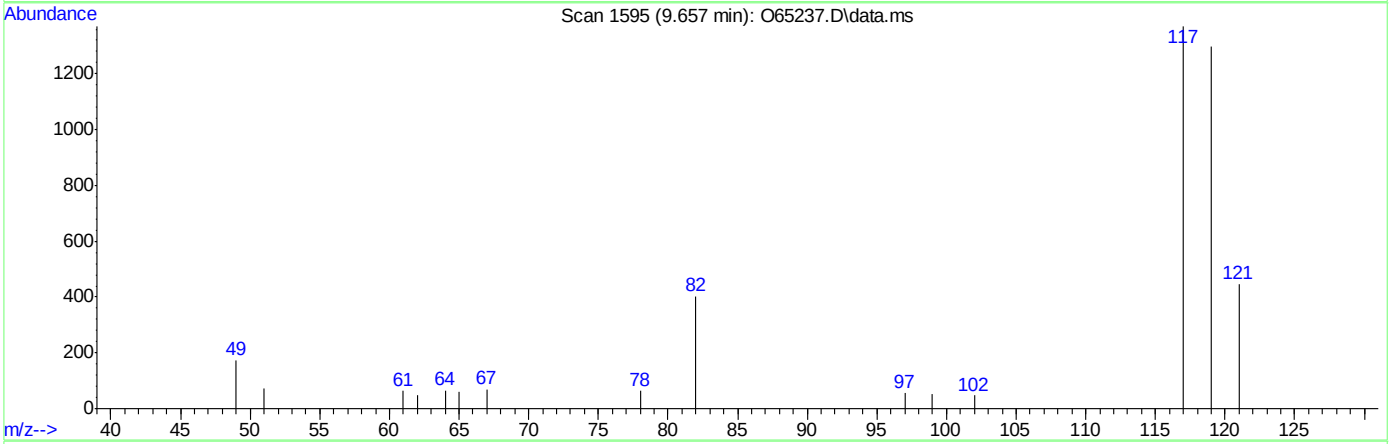
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.19
47.00	35.10	41.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:31:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65237.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.70ug/L

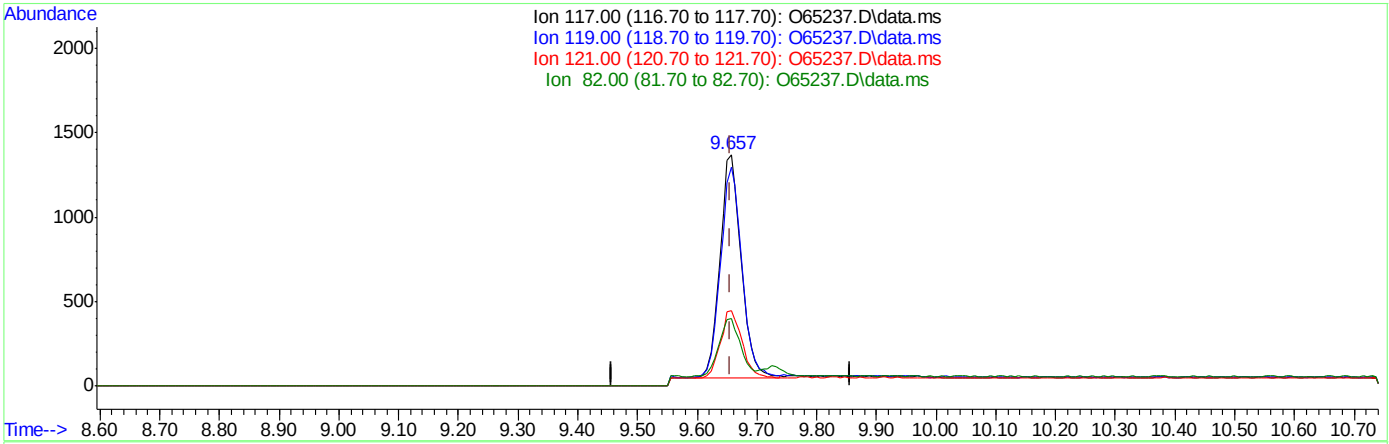
response 3561

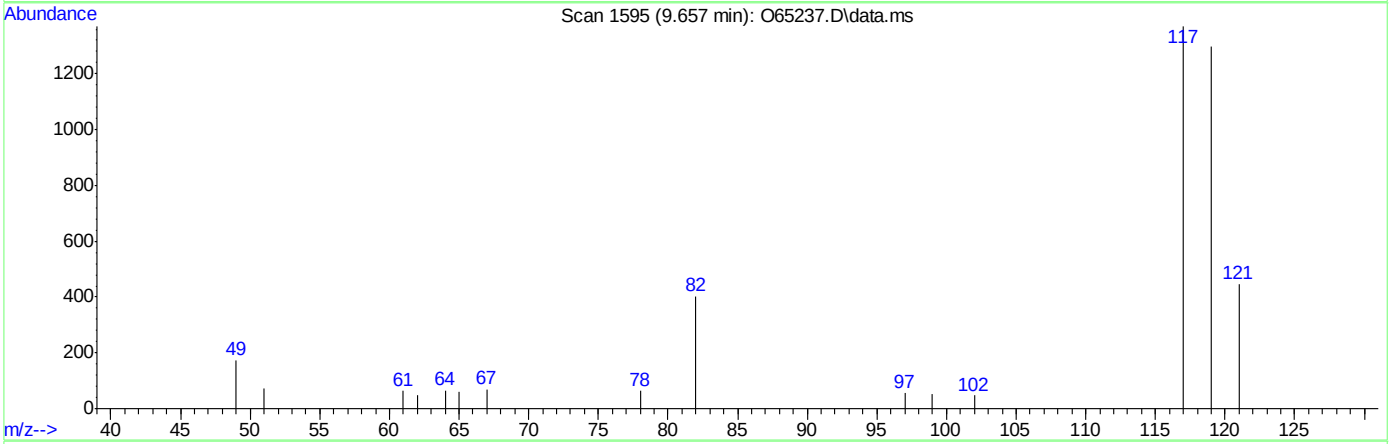
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.16
121.00	31.10	30.10
82.00	24.20	25.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65237.D
Acq On : 14 Sep 2021 4:07 pm
Operator : CHARLENG
Sample : FA88736-34 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:31:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65237.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.64ug/L m

response 3255

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.60
121.00	31.10	32.55
82.00	24.20	29.34

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65238.D
Acq On : 14 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : FA88736-35 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 15 08:58:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

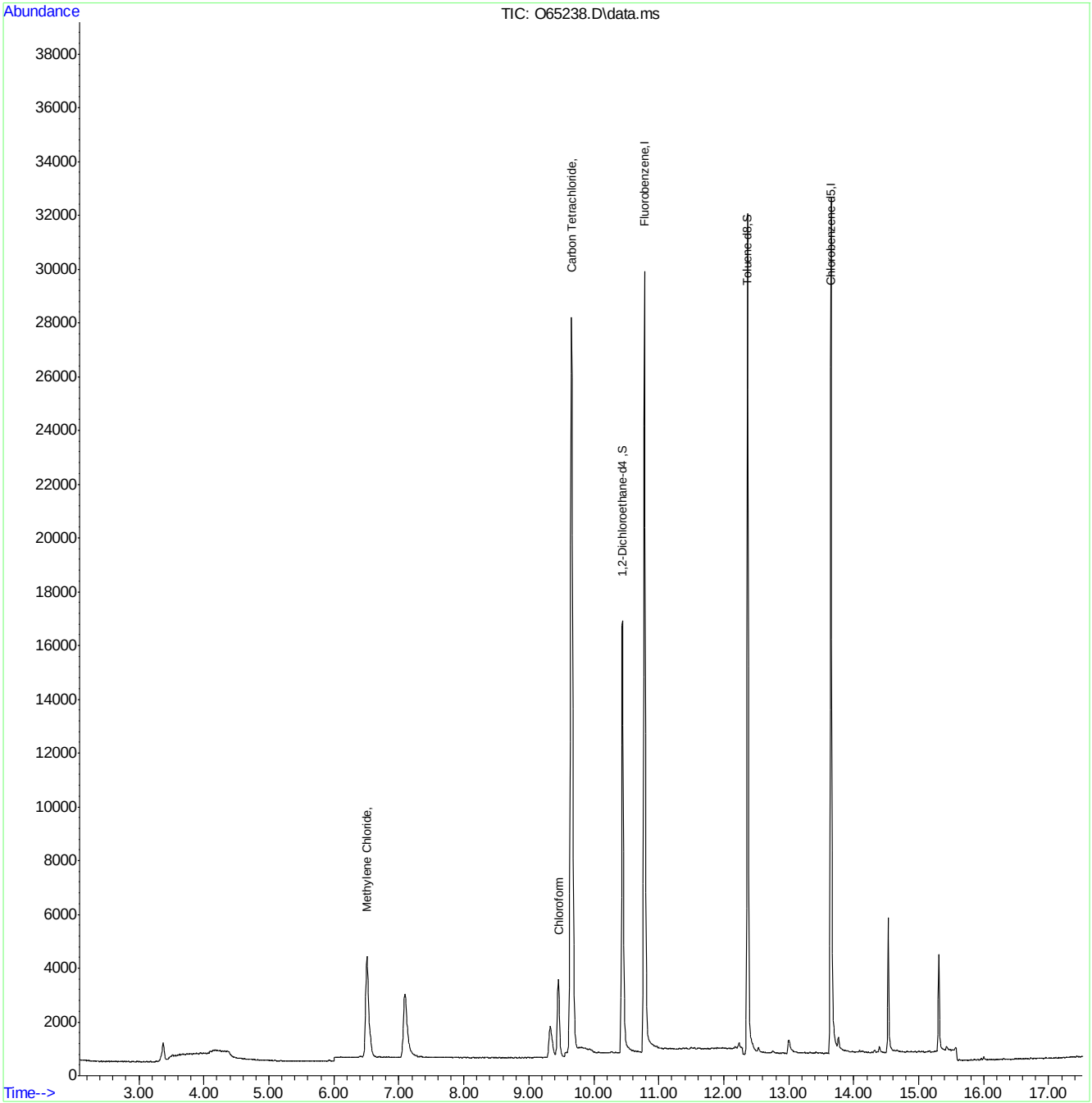
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34216	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24542	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	15582	5.38	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.60%			
19) Toluene-d8	12.367	98	27342	4.77	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	5140	0.54	ug/L	92
9) Chloroform	9.456	83	3328m	0.42	ug/L	
10) Carbon Tetrachloride	9.657	117	26340	5.41	ug/L	98

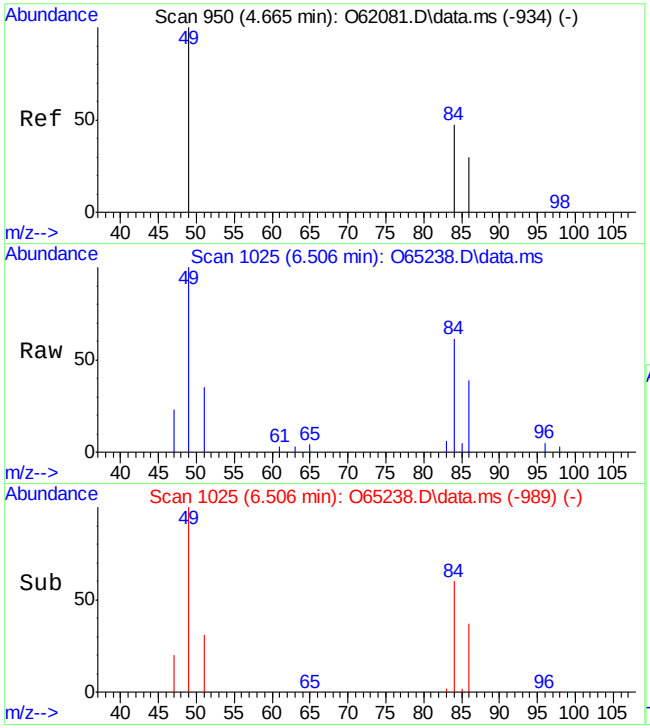
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65238.D
Acq On : 14 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : FA88736-35 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 15 08:58:39 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

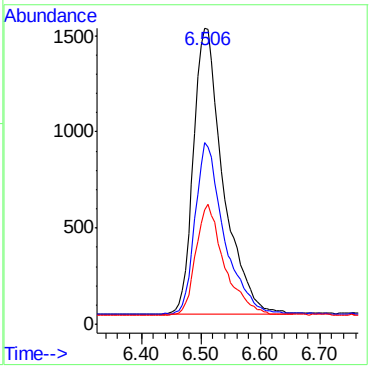


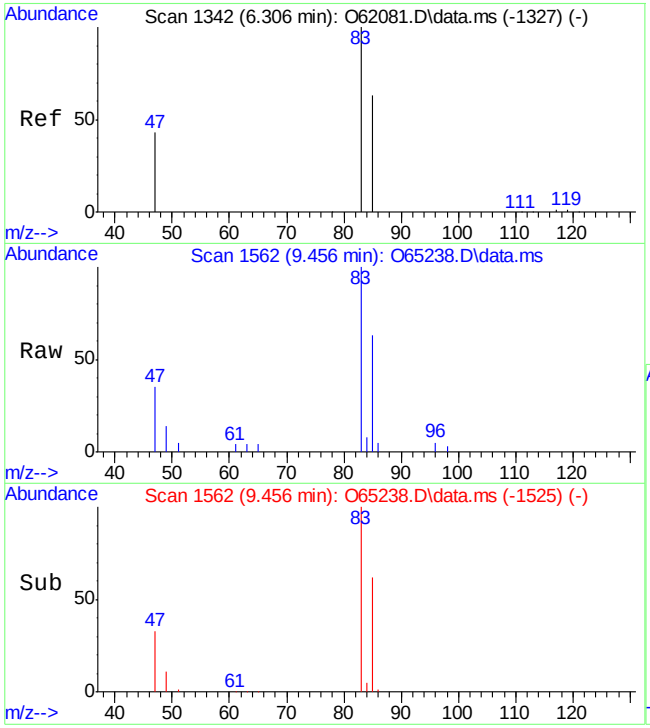


#5
Methylene Chloride
Concen: 0.54 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65238.D
Acq: 14 Sep 2021 4:30 pm

Tgt Ion: 49 Resp: 5140

Ion	Ratio	Lower	Upper
49	100		
84	60.0	35.5	95.5
86	36.7	12.8	72.8

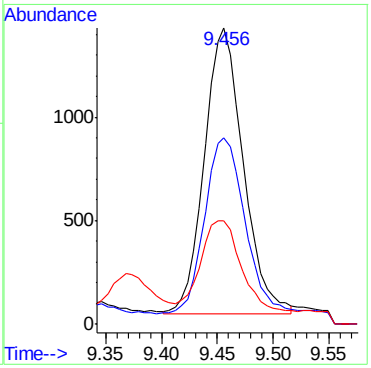


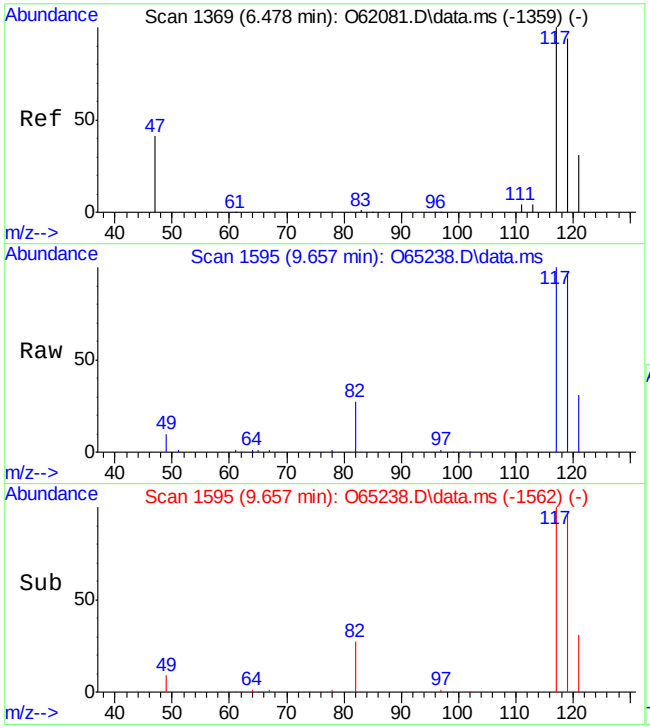


#9
Chloroform
Concen: 0.42 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65238.D
Acq: 14 Sep 2021 4:30 pm

Tgt Ion: 83 Resp: 3328

Ion	Ratio	Lower	Upper
83	100		
85	63.0	33.7	93.7
47	35.0	5.1	65.1

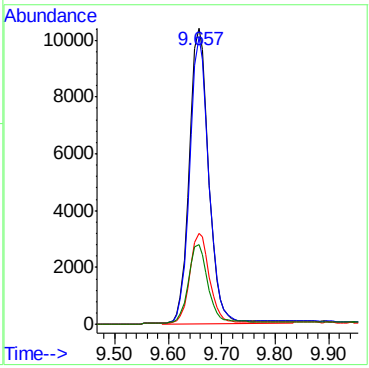




#10
Carbon Tetrachloride
Concen: 5.41 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65238.D
Acq: 14 Sep 2021 4:30 pm

Tgt Ion:117 Resp: 26340

Ion	Ratio	Lower	Upper
117	100		
119	96.8	68.2	128.2
121	30.4	1.1	61.1
82	26.4	0.0	54.2



Manual Integration Approval Summary

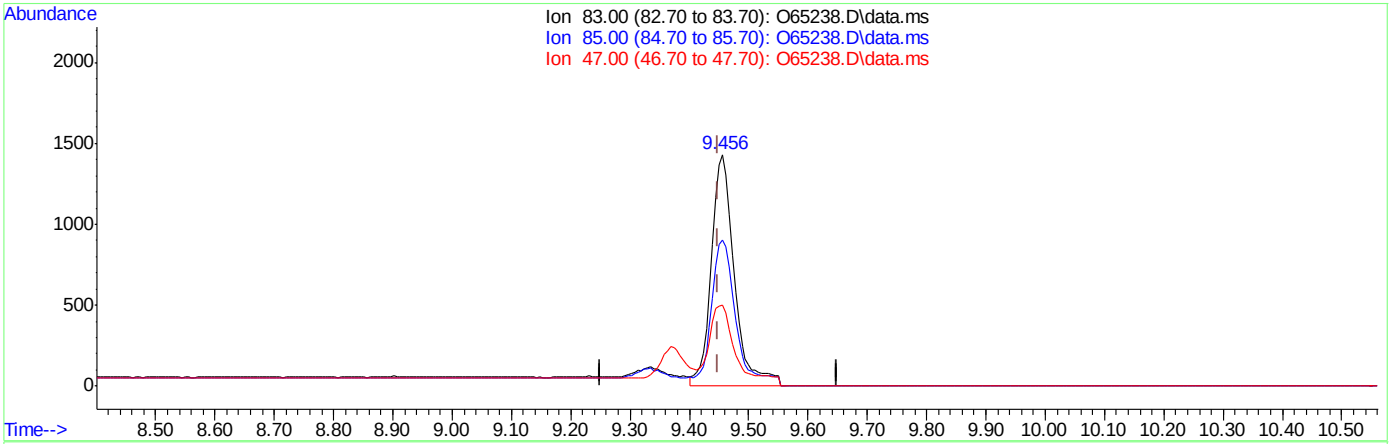
Sample Number: FA88736-35
Lab FileID: O65238.D
Injection Time: 09/14/21 16:30
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

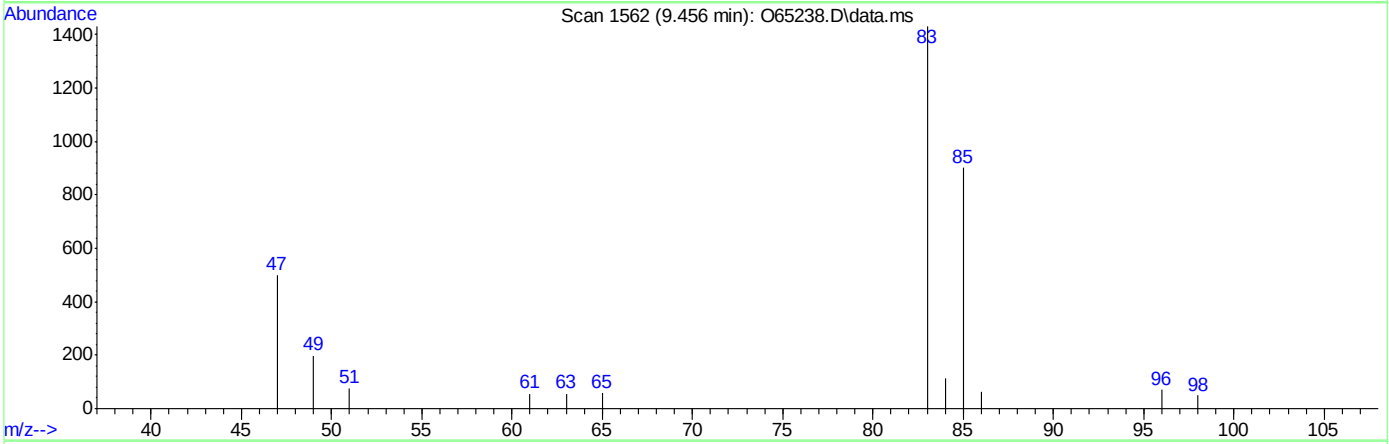
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65238.D
Acq On : 14 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : FA88736-35 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 15 08:31:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65238.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.49ug/L

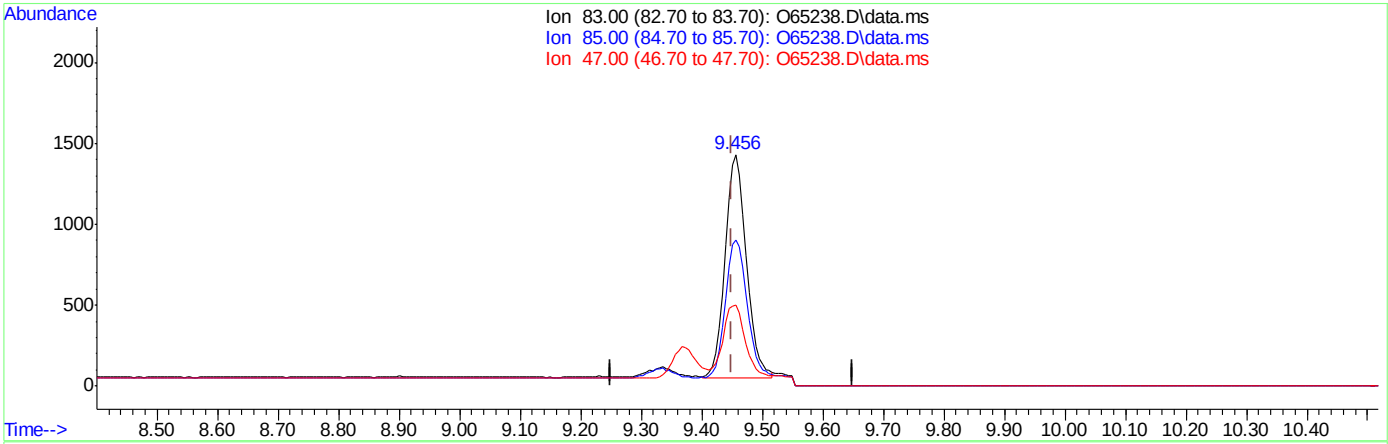
response 3865

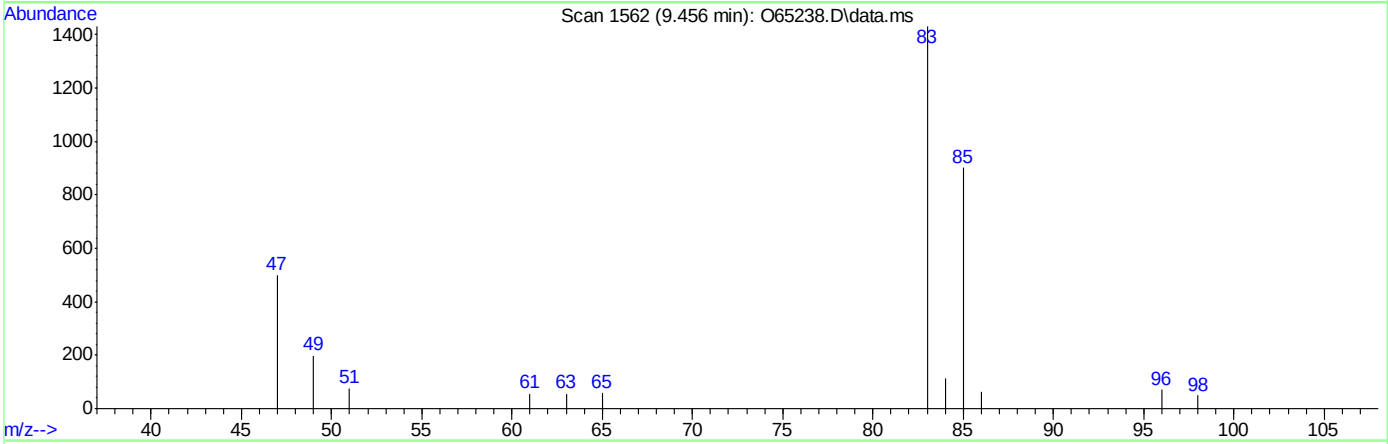
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.03
47.00	35.10	35.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65238.D
Acq On : 14 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : FA88736-35 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 15 08:31:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65238.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.42ug/L m

response 3328

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.03
47.00	35.10	35.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:59:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

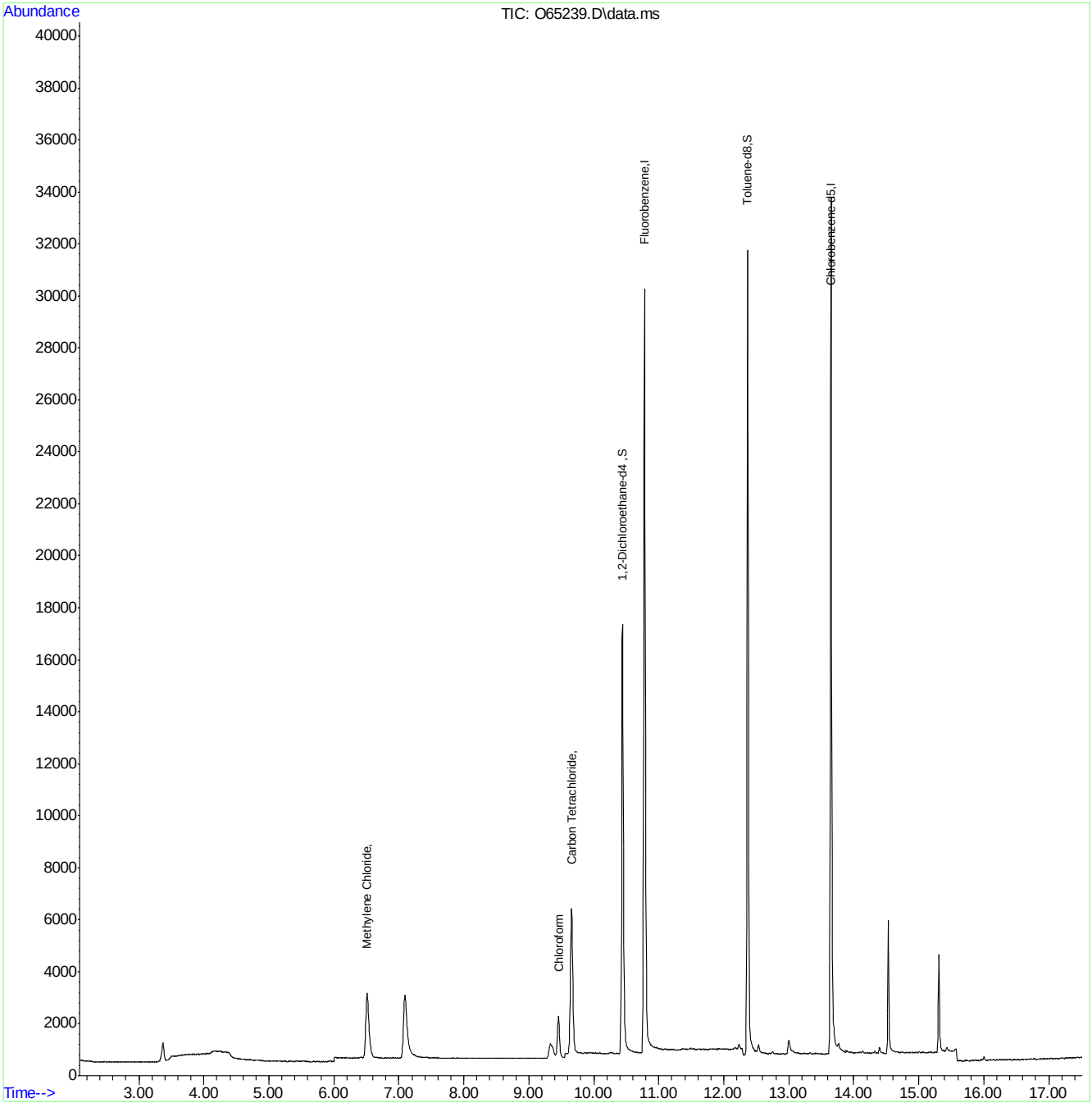
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34738	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24746	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	15736	5.35	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.00%			
19) Toluene-d8	12.367	98	27524	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	3389	0.35	ug/L	93
9) Chloroform	9.456	83	1737m	0.22	ug/L	
10) Carbon Tetrachloride	9.656	117	5227m	1.06	ug/L	

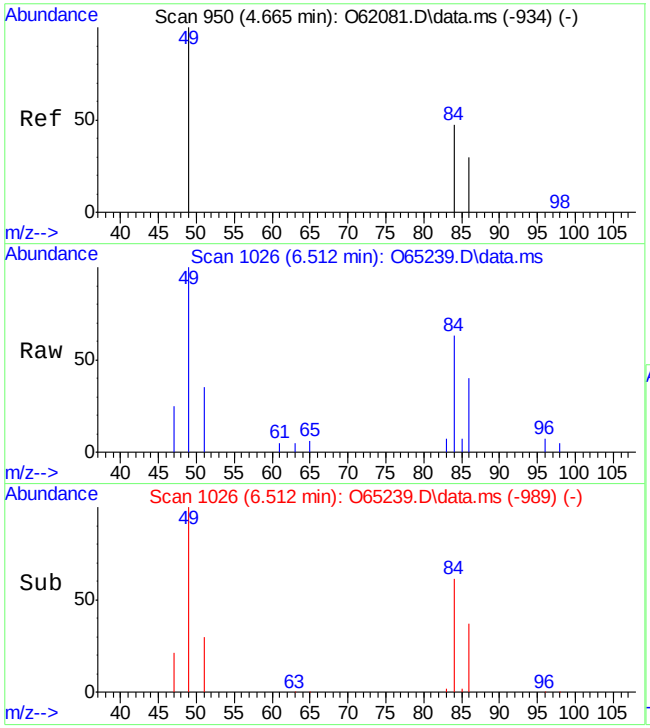
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:59:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

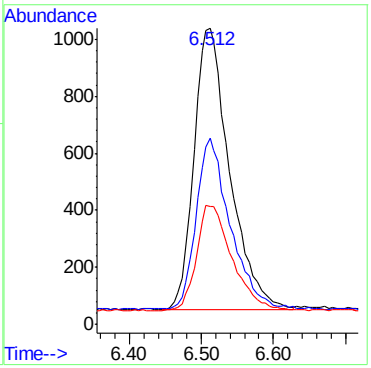


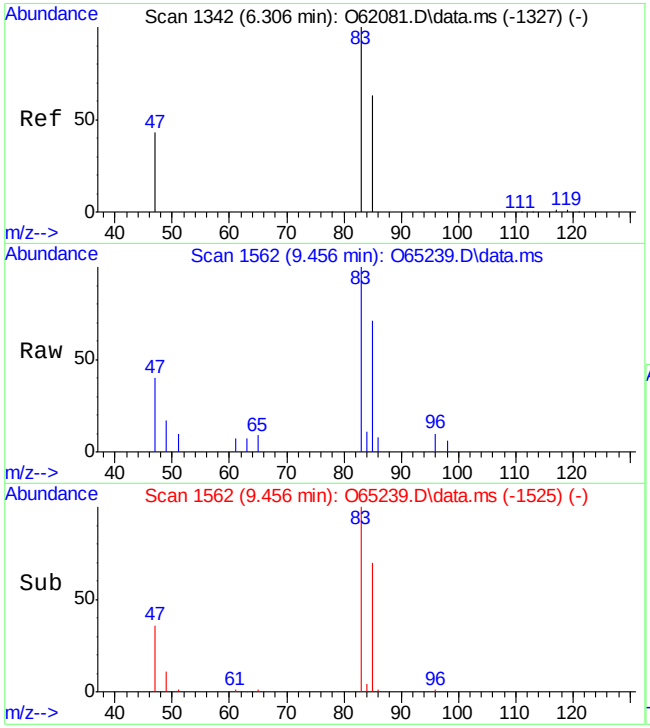


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.005 min
Lab File: O65239.D
Acq: 14 Sep 2021 4:53 pm

Tgt Ion: 49 Resp: 3389

Ion	Ratio	Lower	Upper
49	100		
84	60.8	35.5	95.5
86	36.9	12.8	72.8

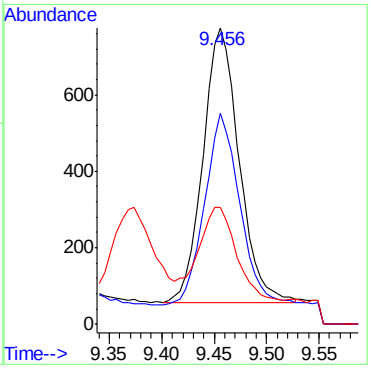


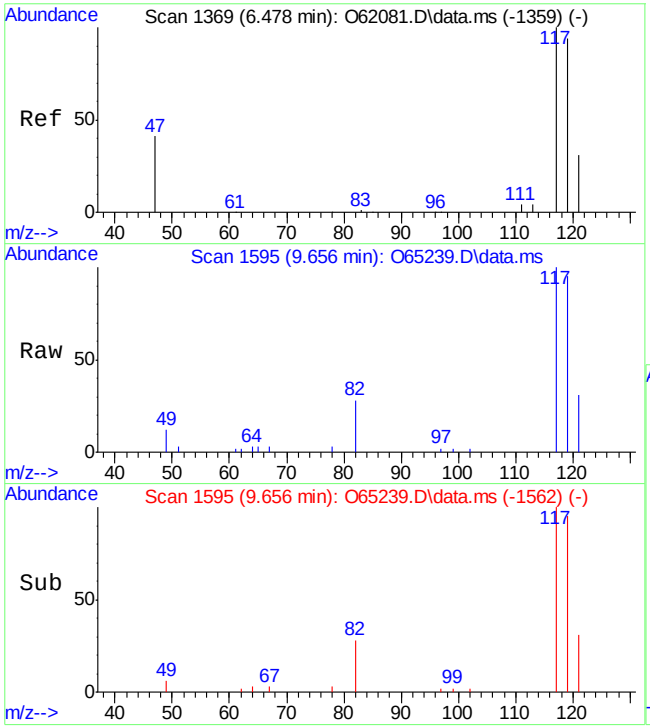


#9
Chloroform
Concen: 0.22 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65239.D
Acq: 14 Sep 2021 4:53 pm

Tgt Ion: 83 Resp: 1737

Ion	Ratio	Lower	Upper
83	100		
85	71.1	33.7	93.7
47	39.6	5.1	65.1

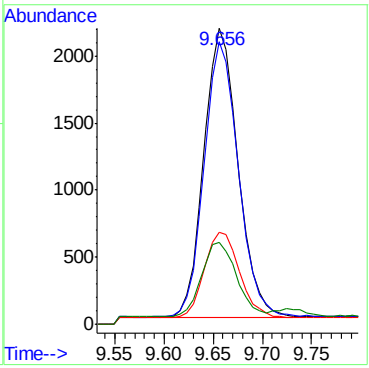




#10
Carbon Tetrachloride
Concen: 1.06 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65239.D
Acq: 14 Sep 2021 4:53 pm

Tgt Ion:117 Resp: 5227

Ion	Ratio	Lower	Upper
117	100		
119	95.3	68.2	128.2
121	31.0	1.1	61.1
82	27.7	0.0	54.2



Manual Integration Approval Summary

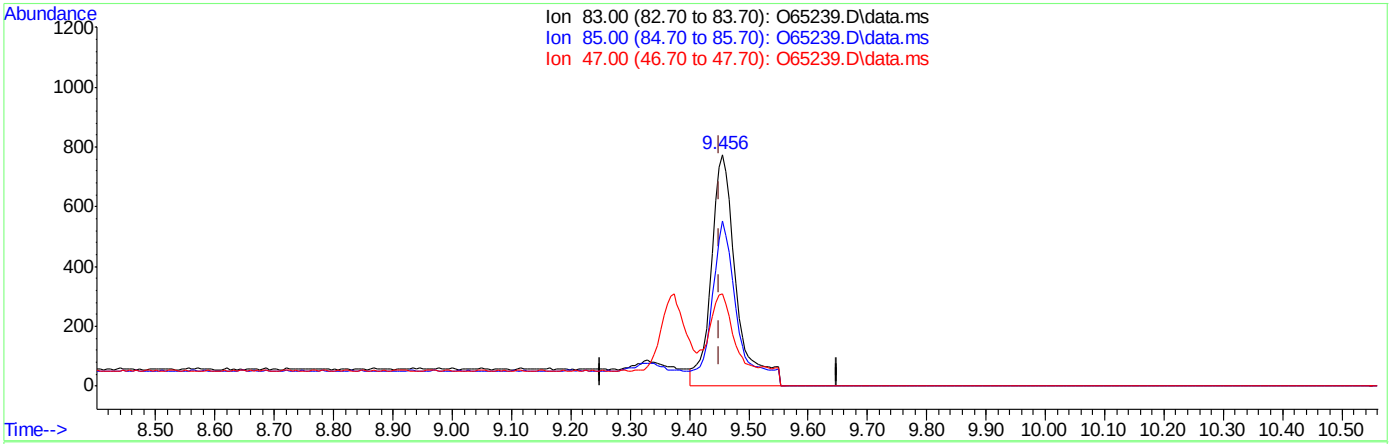
Sample Number: FA88736-36
Lab FileID: O65239.D
Injection Time: 09/14/21 16:53
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

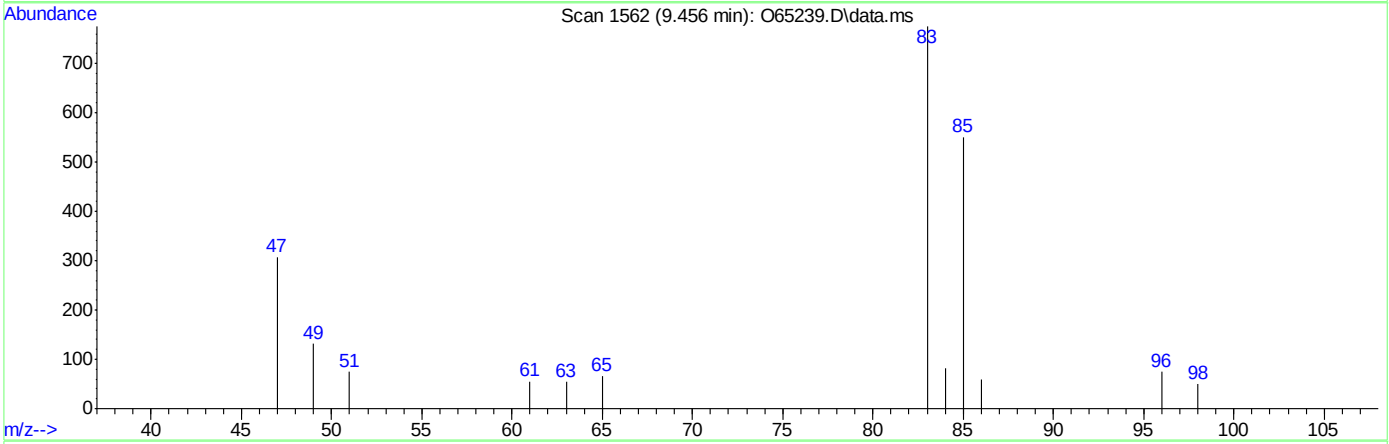
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:31:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65239.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.28ug/L

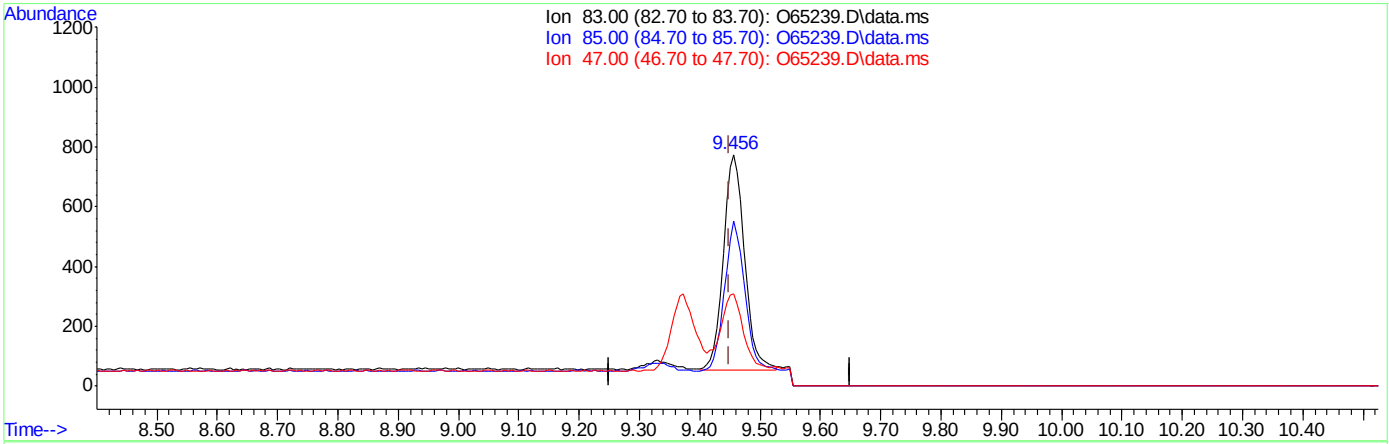
response 2255

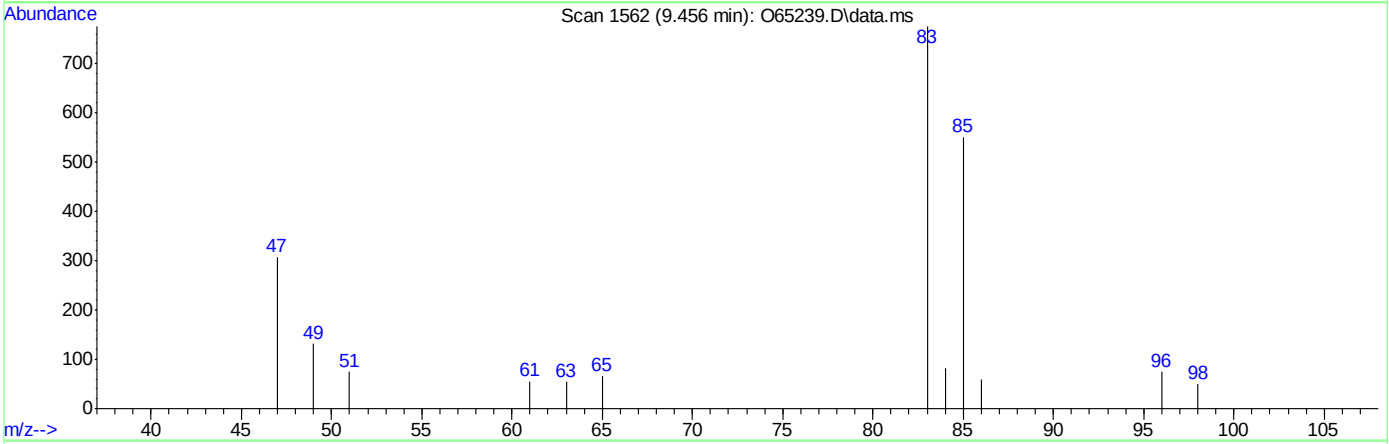
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	71.10
47.00	35.10	39.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:31:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65239.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.22ug/L m

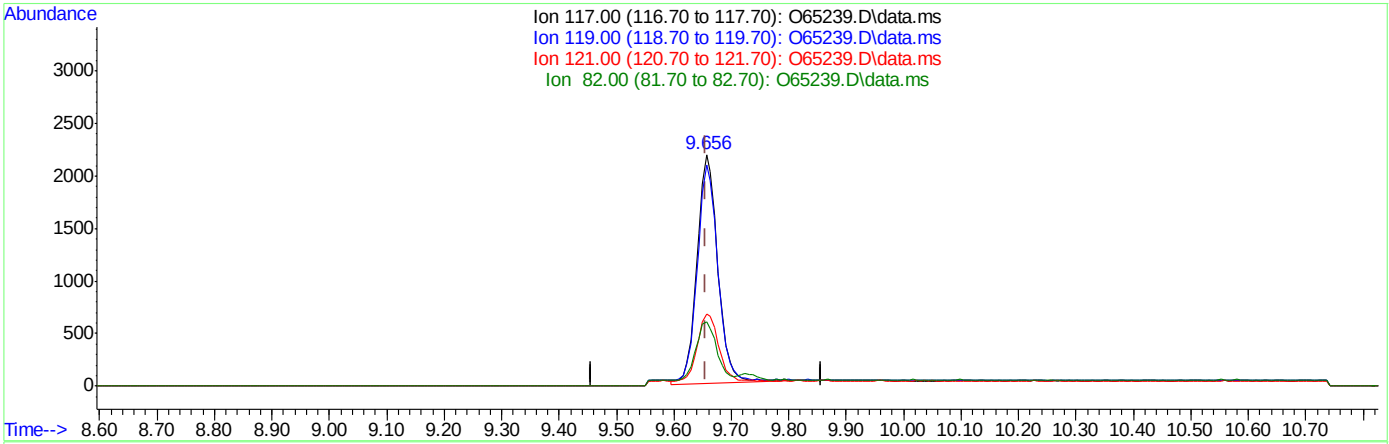
response 1737

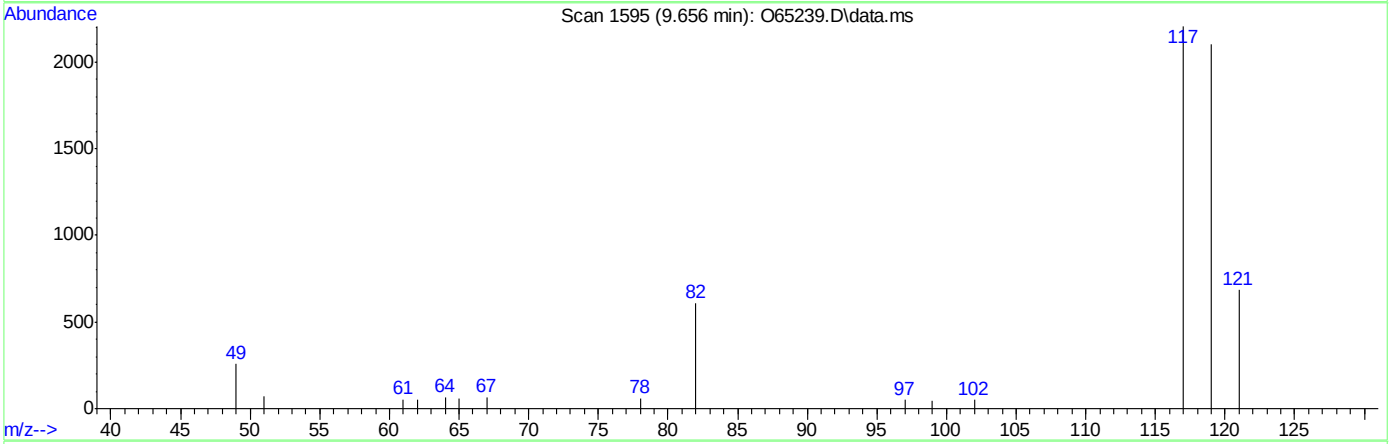
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	71.10
47.00	35.10	39.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:31:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65239.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 1.12ug/L

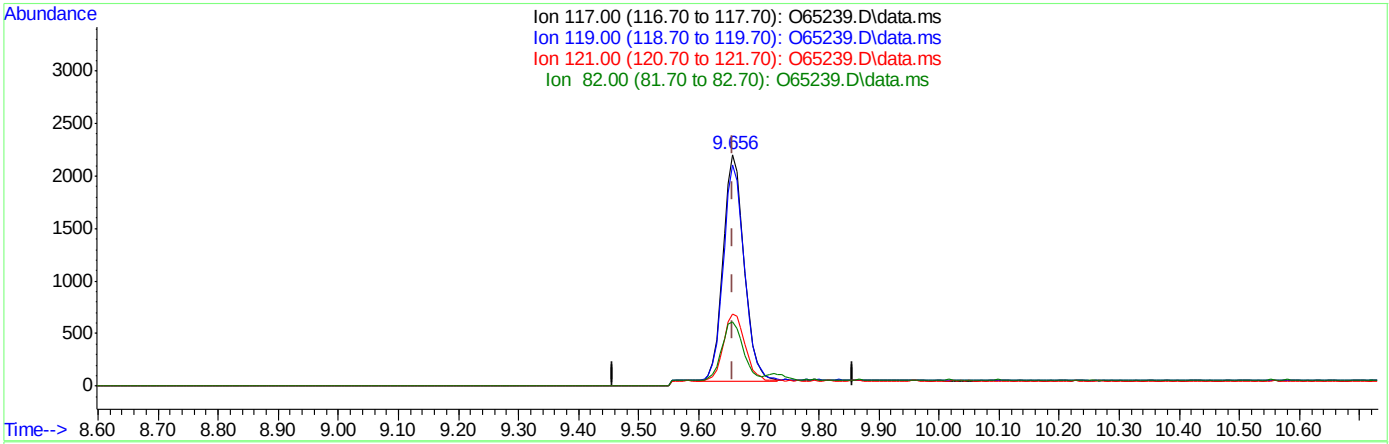
response 5533

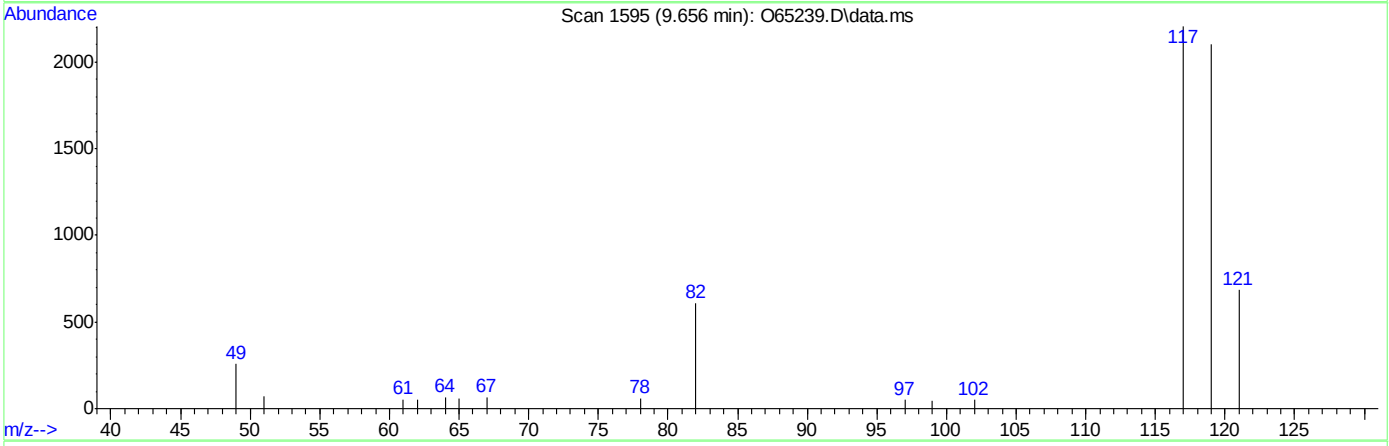
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.03
121.00	31.10	29.45
82.00	24.20	25.64

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65239.D
Acq On : 14 Sep 2021 4:53 pm
Operator : CHARLENG
Sample : FA88736-36 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 15 08:31:16 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65239.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 1.06ug/L m

response 5227

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.33
121.00	31.10	30.96
82.00	24.20	27.65

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65240.D
Acq On : 14 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : FA88736-37 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 15 08:59:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

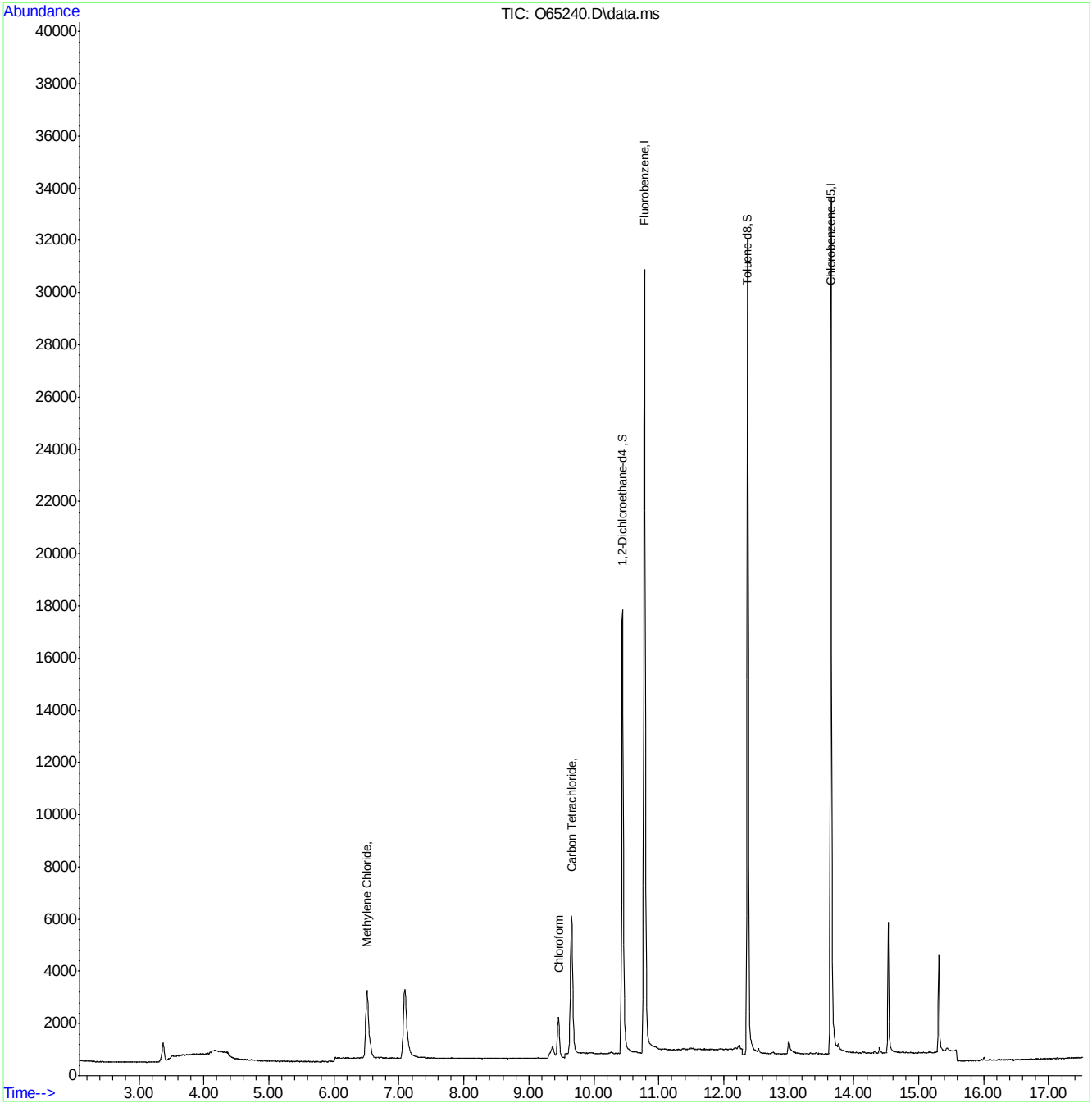
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35445	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24902	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16227	5.41	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 108.20%			
19) Toluene-d8	12.367	98	27763	4.77	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	3492	0.35	ug/L	89
9) Chloroform	9.456	83	1686m	0.21	ug/L	
10) Carbon Tetrachloride	9.657	117	4896	0.97	ug/L	98

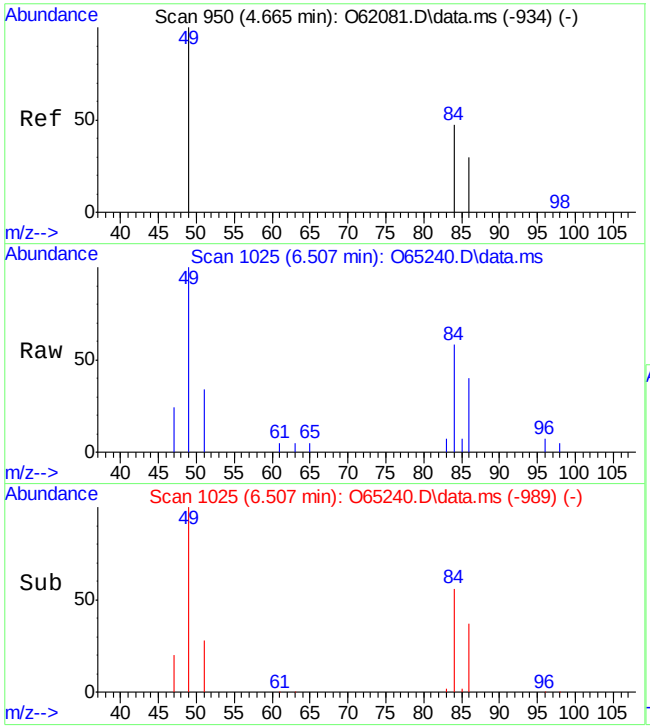
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65240.D
Acq On : 14 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : FA88736-37 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 15 08:59:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

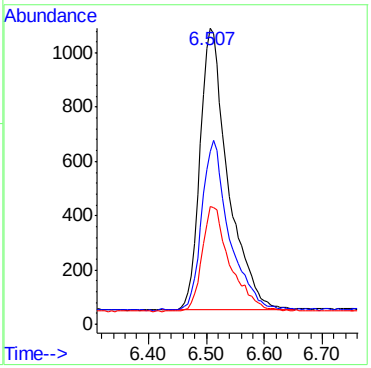


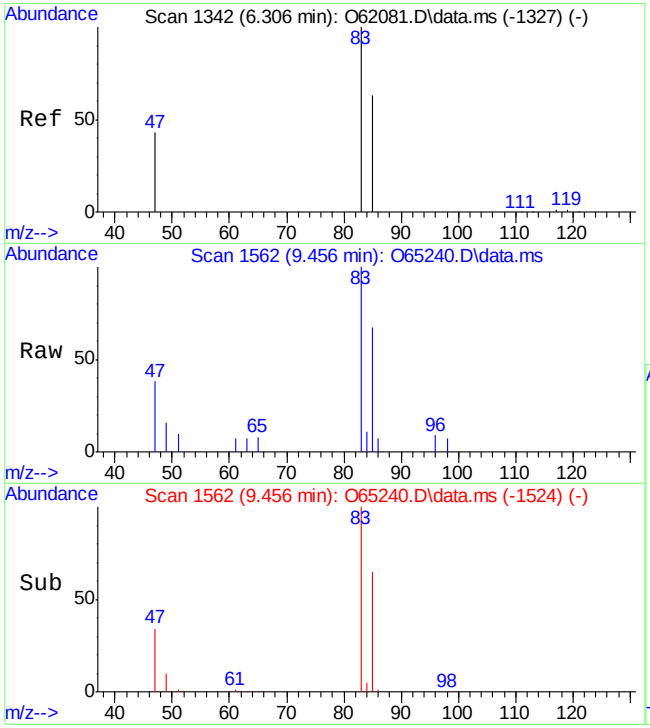


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. -0.000 min
Lab File: O65240.D
Acq: 14 Sep 2021 5:15 pm

Tgt Ion: 49 Resp: 3492

Ion	Ratio	Lower	Upper
49	100		
84	55.9	35.5	95.5
86	37.2	12.8	72.8

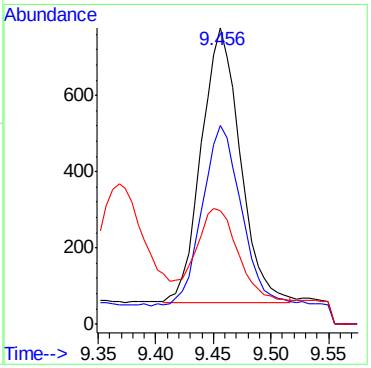


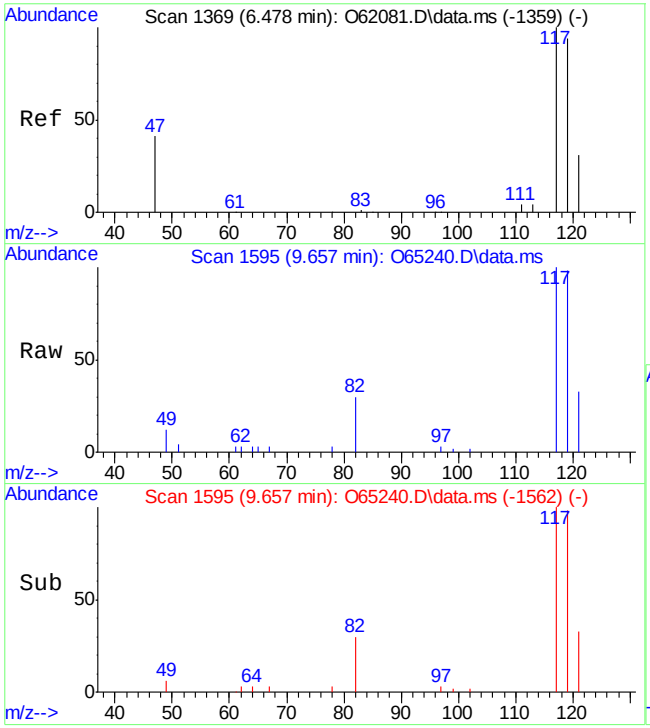


#9
Chloroform
Concen: 0.21 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65240.D
Acq: 14 Sep 2021 5:15 pm

Tgt Ion: 83 Resp: 1686

Ion	Ratio	Lower	Upper
83	100		
85	66.9	33.7	93.7
47	38.4	5.1	65.1

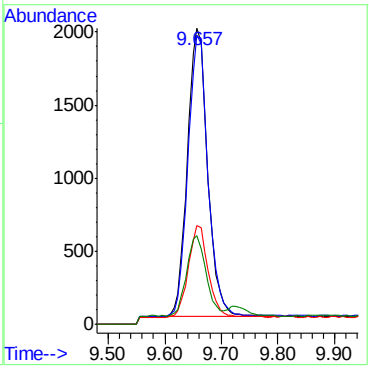




#10
Carbon Tetrachloride
Concen: 0.97 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65240.D
Acq: 14 Sep 2021 5:15 pm

Tgt Ion:117 Resp: 4896

Ion	Ratio	Lower	Upper
117	100		
119	97.9	68.2	128.2
121	31.7	1.1	61.1
82	27.8	0.0	54.2



Manual Integration Approval Summary

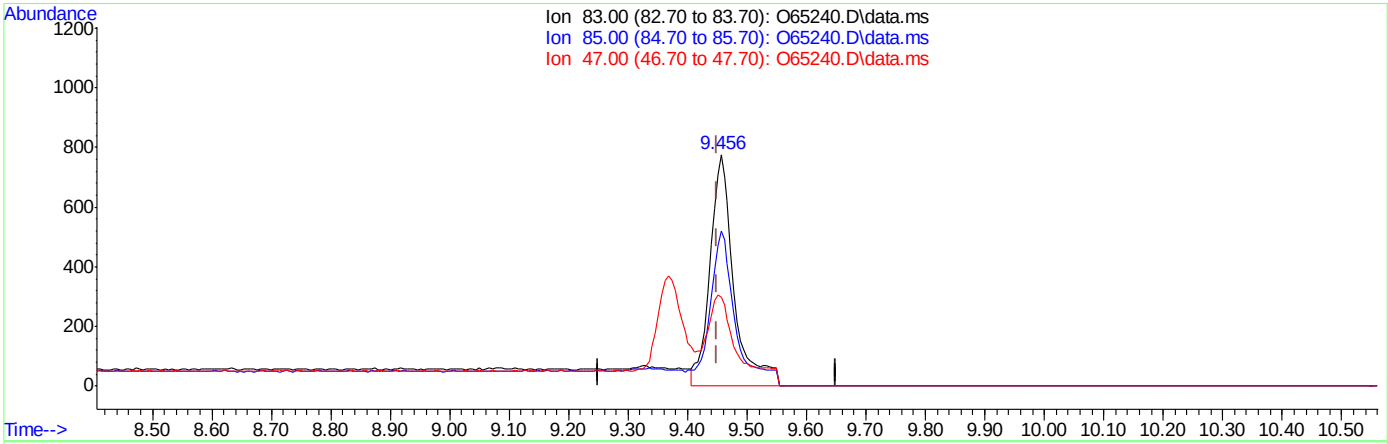
Sample Number: FA88736-37
Lab FileID: O65240.D
Injection Time: 09/14/21 17:15
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

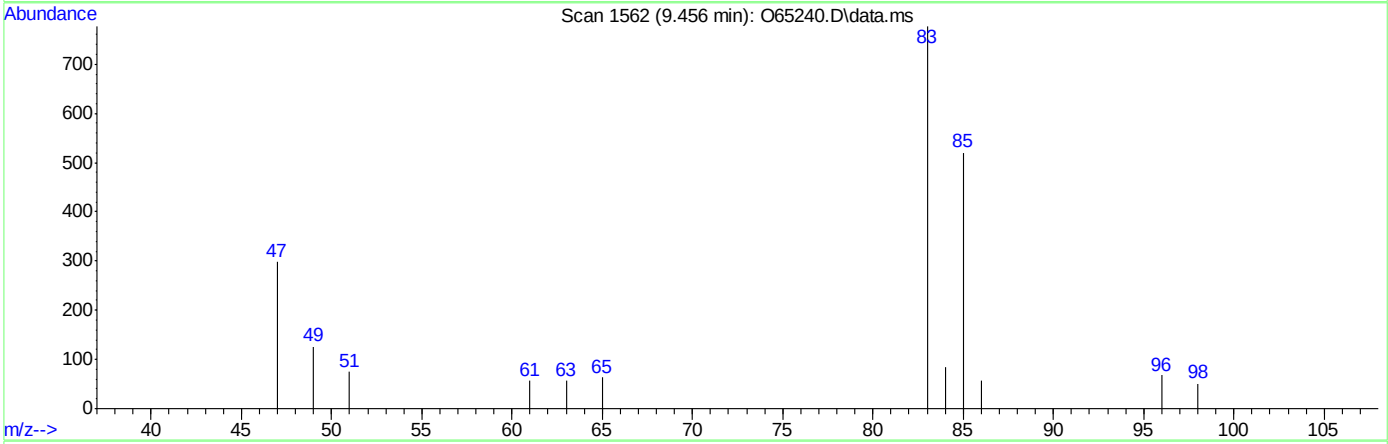
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65240.D
Acq On : 14 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : FA88736-37 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 15 08:31:18 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65240.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.27ug/L

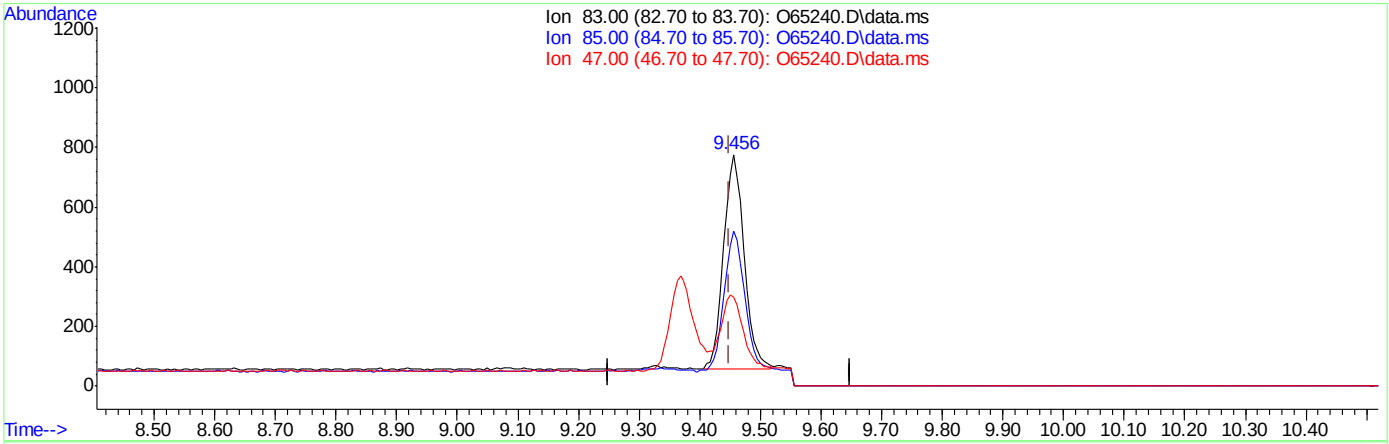
response 2202

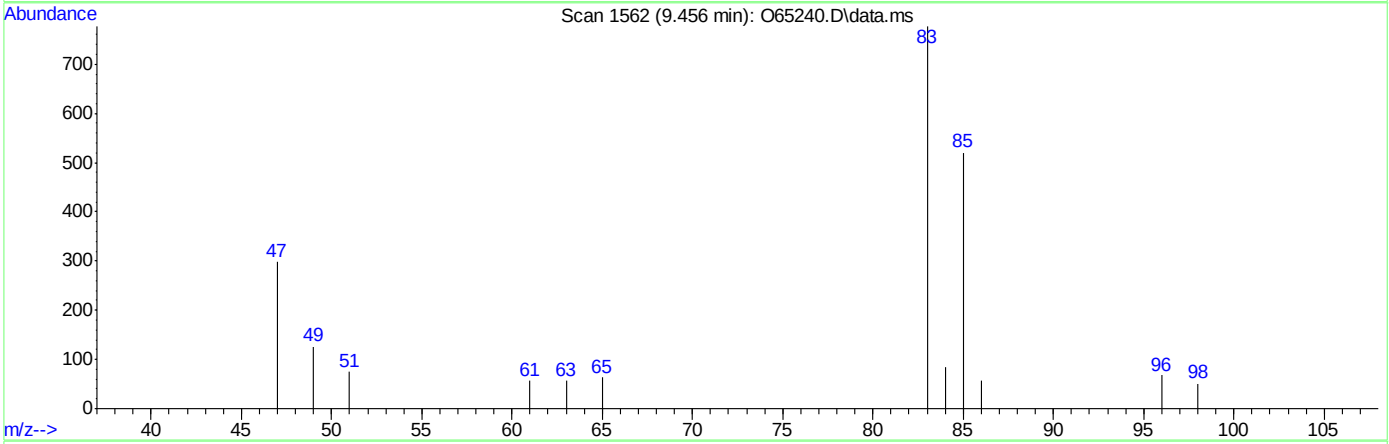
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.92
47.00	35.10	38.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65240.D
Acq On : 14 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : FA88736-37 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 15 08:31:18 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65240.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.21ug/L m

response 1686

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.92
47.00	35.10	38.35
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65241.D
Acq On : 14 Sep 2021 5:38 pm
Operator : CHARLENG
Sample : FA88736-38 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 15 08:59:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

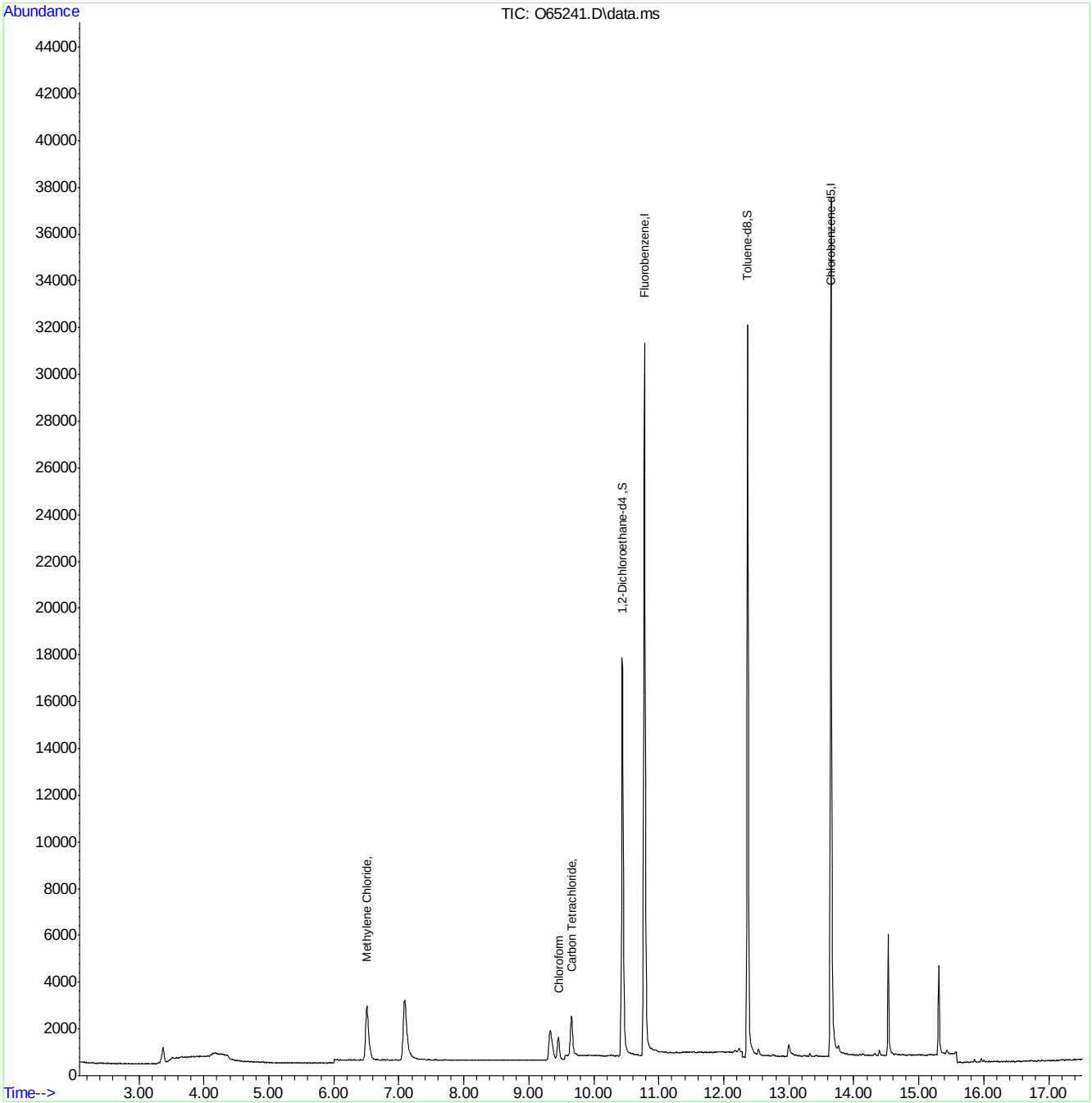
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35492	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25375	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16283	5.42	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 108.40%			
19) Toluene-d8	12.367	98	27954	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3074	0.31	ug/L	89
9) Chloroform	9.456	83	1074m	0.13	ug/L	
10) Carbon Tetrachloride	9.656	117	1794	0.36	ug/L	97

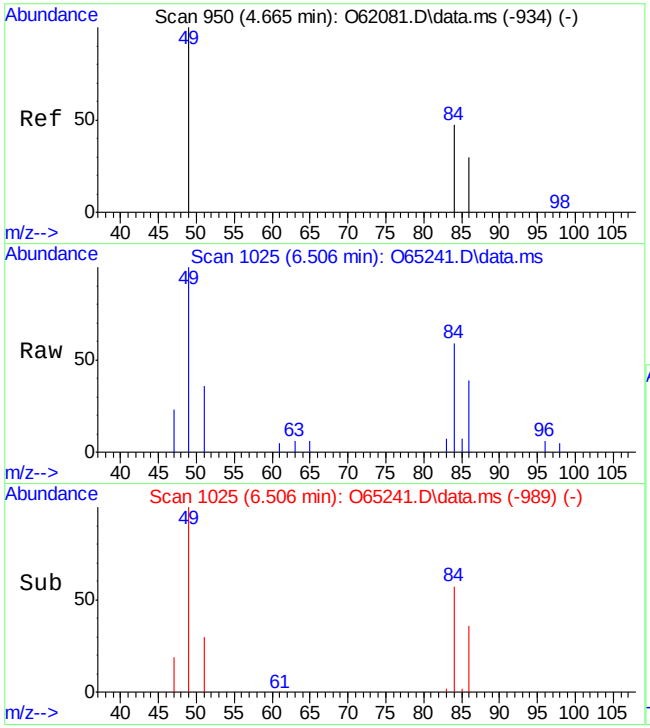
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65241.D
Acq On : 14 Sep 2021 5:38 pm
Operator : CHARLENG
Sample : FA88736-38 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 15 08:59:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

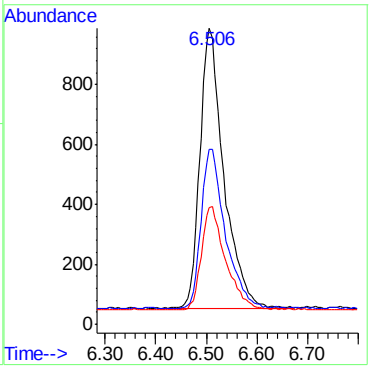


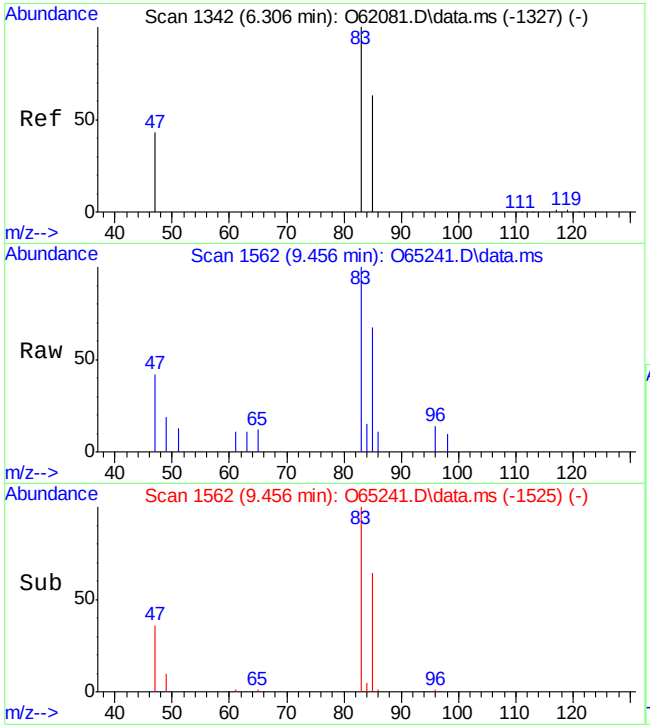


#5
Methylene Chloride
Concen: 0.31 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65241.D
Acq: 14 Sep 2021 5:38 pm

Tgt Ion: 49 Resp: 3074

Ion	Ratio	Lower	Upper
49	100		
84	56.7	35.5	95.5
86	36.2	12.8	72.8

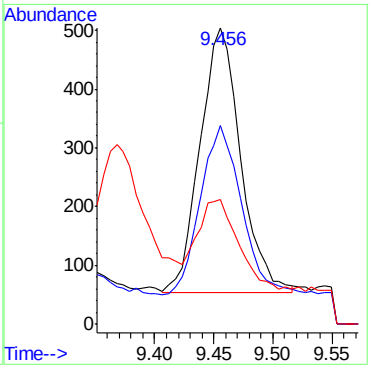


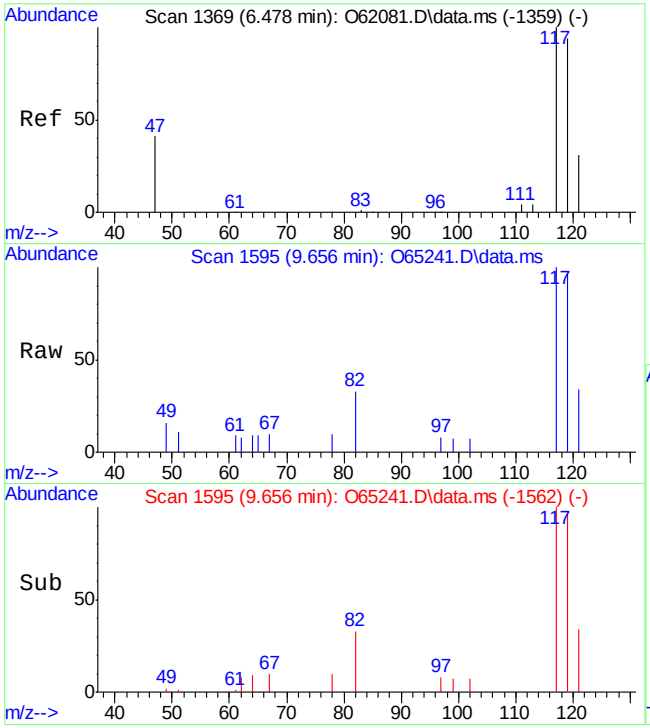


#9
Chloroform
Concen: 0.13 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65241.D
Acq: 14 Sep 2021 5:38 pm

Tgt Ion: 83 Resp: 1074

Ion	Ratio	Lower	Upper
83	100		
85	67.1	33.7	93.7
47	42.1	5.1	65.1

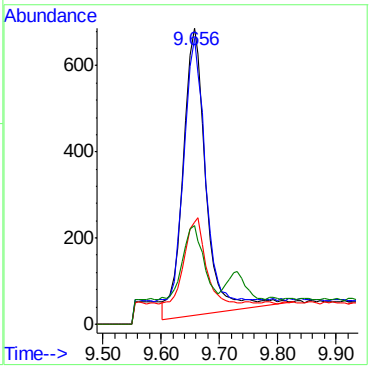




#10
Carbon Tetrachloride
Concen: 0.36 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65241.D
Acq: 14 Sep 2021 5:38 pm

Tgt Ion:117 Resp: 1794

Ion	Ratio	Lower	Upper
117	100		
119	95.6	68.2	128.2
121	29.3	1.1	61.1
82	26.9	0.0	54.2



Manual Integration Approval Summary

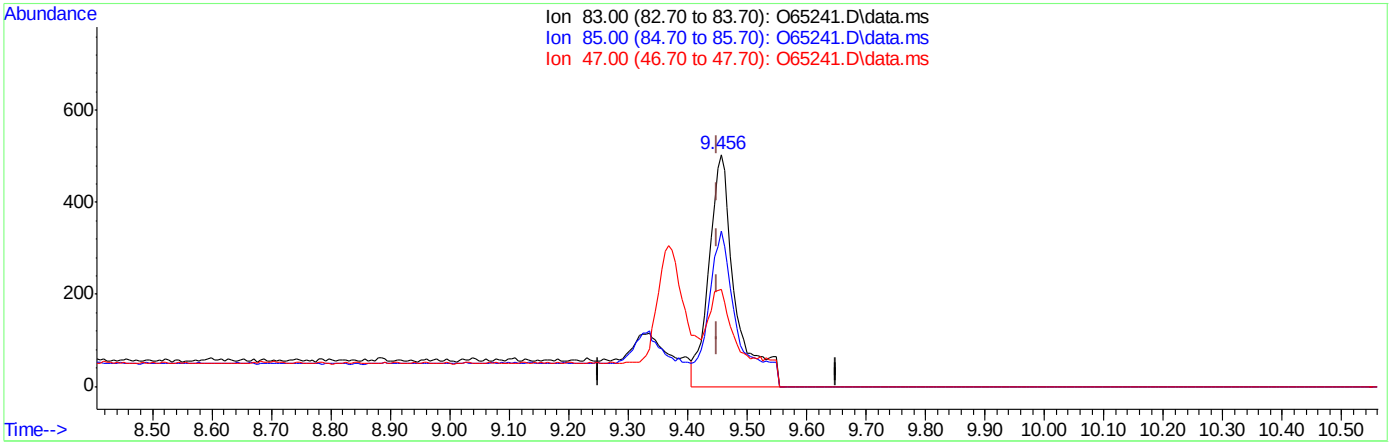
Sample Number: FA88736-38
Lab FileID: O65241.D
Injection Time: 09/14/21 17:38
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

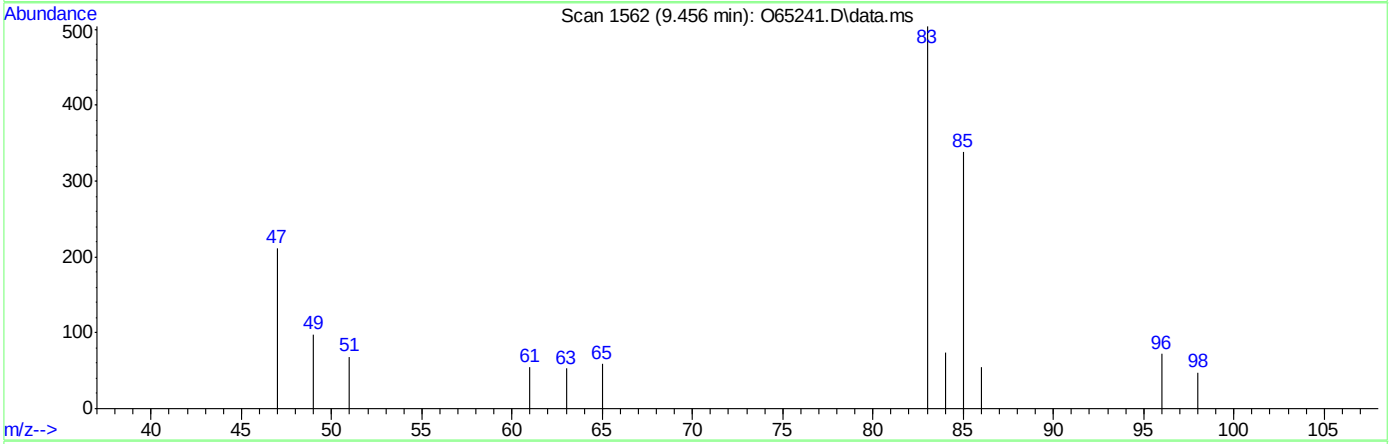
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65241.D
Acq On : 14 Sep 2021 5:38 pm
Operator : CHARLENG
Sample : FA88736-38 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 15 08:31:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65241.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.19ug/L

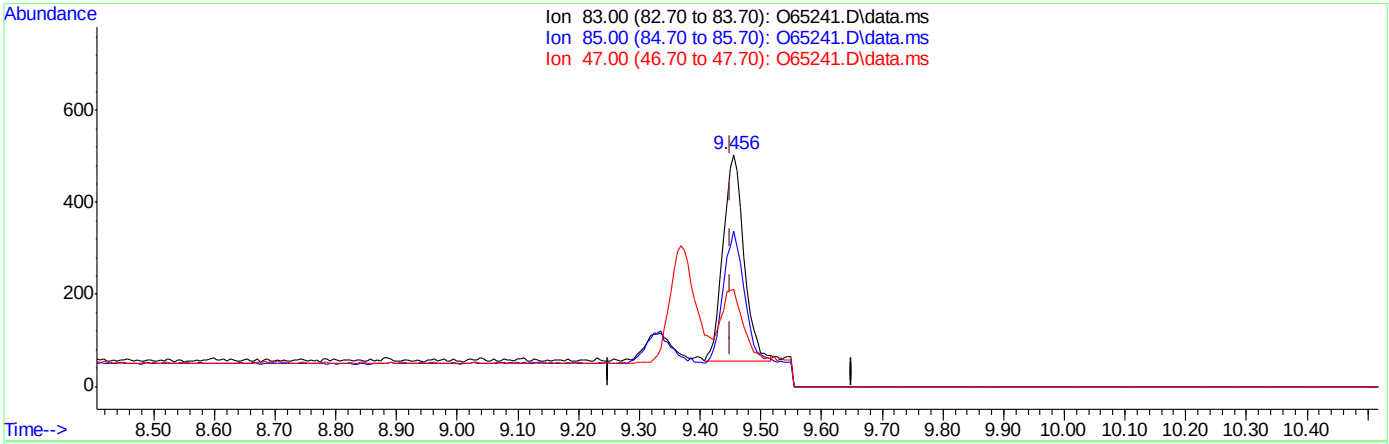
response 1567

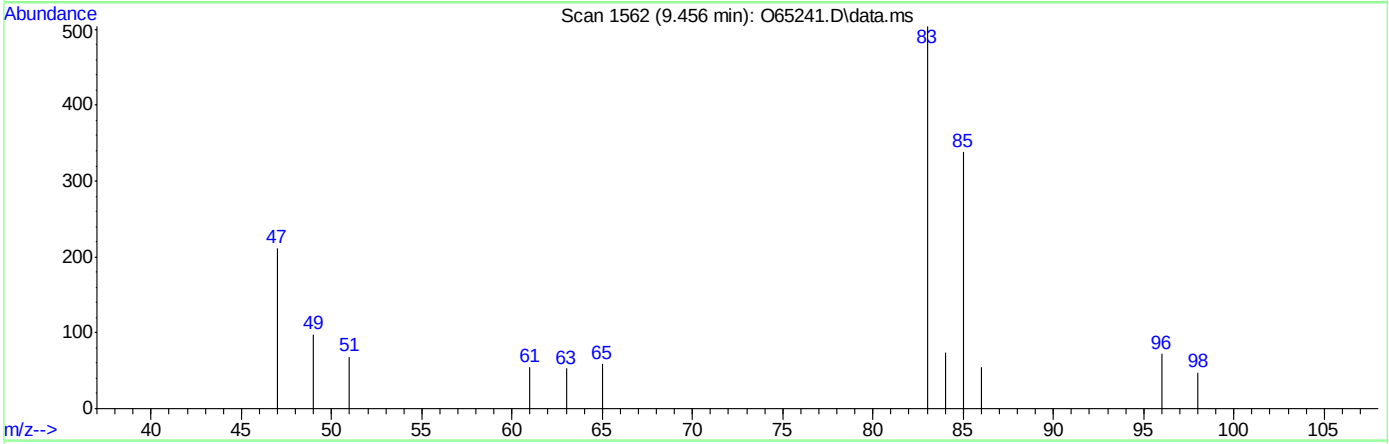
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.06
47.00	35.10	42.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65241.D
Acq On : 14 Sep 2021 5:38 pm
Operator : CHARLENG
Sample : FA88736-38 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 15 08:31:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65241.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L m

response 1074

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.06
47.00	35.10	42.06
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 09:00:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	37435	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	26697	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17175	5.42	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 108.40%			
19) Toluene-d8	12.367	98	29511	4.73	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	4228	0.41	ug/L	91
9) Chloroform	9.456	83	1089m	0.13	ug/L	
10) Carbon Tetrachloride	9.656	117	1480m	0.28	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

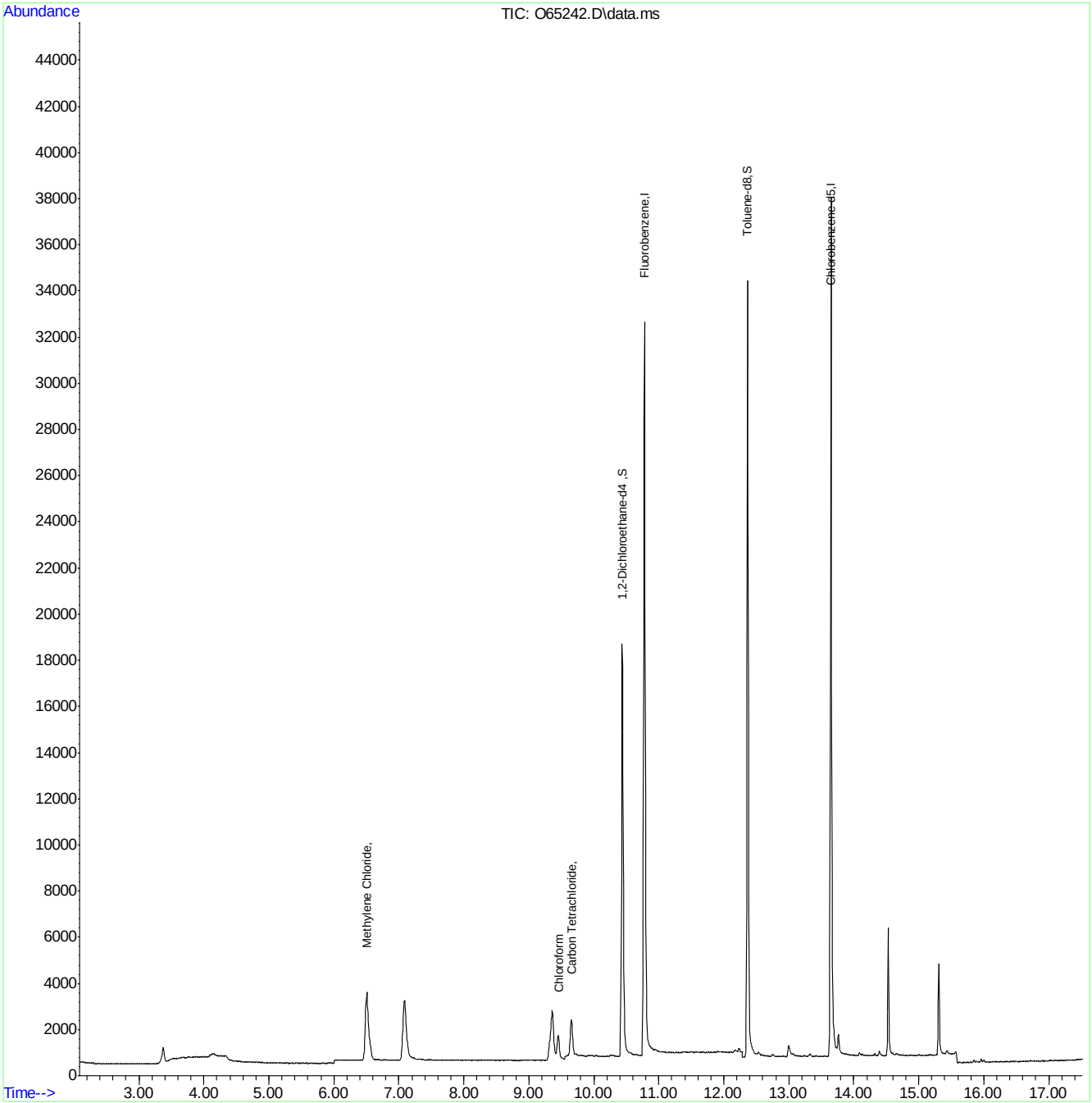
7.1.39

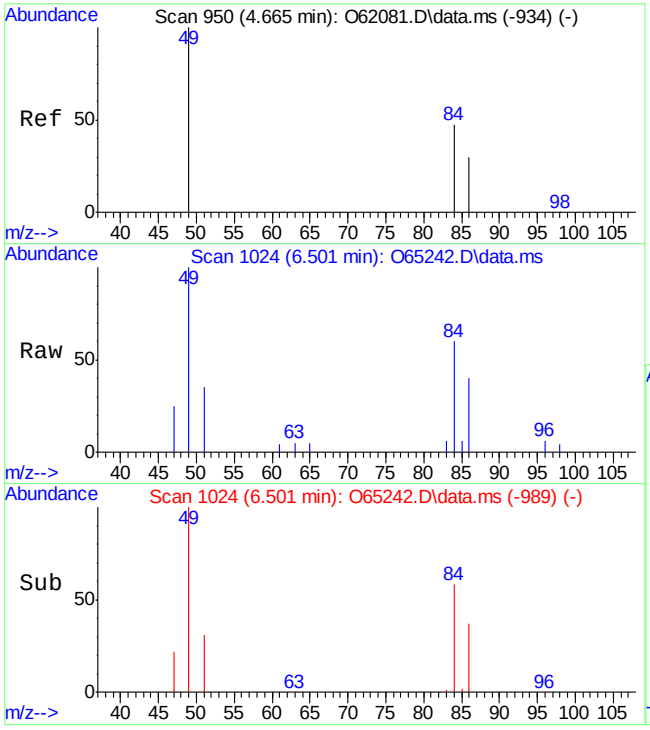
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 09:00:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

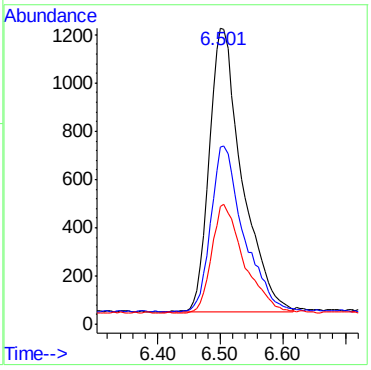


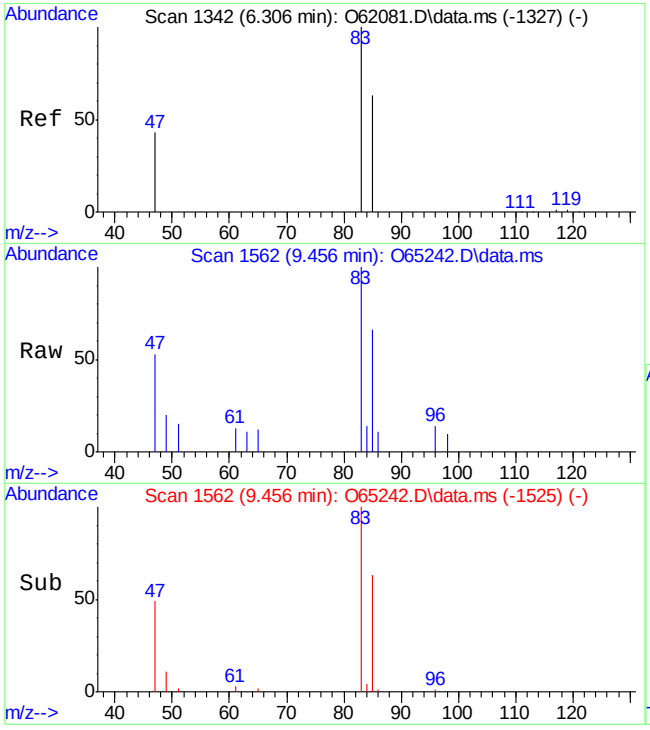


#5
Methylene Chloride
Concen: 0.41 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65242.D
Acq: 14 Sep 2021 6:01 pm

Tgt Ion: 49 Resp: 4228

Ion	Ratio	Lower	Upper
49	100		
84	58.1	35.5	95.5
86	37.3	12.8	72.8

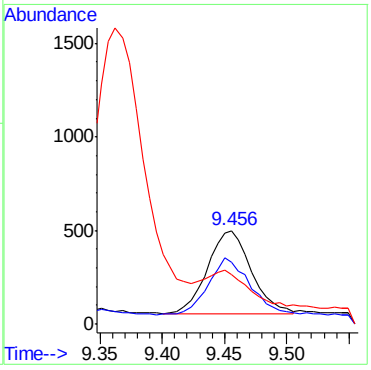


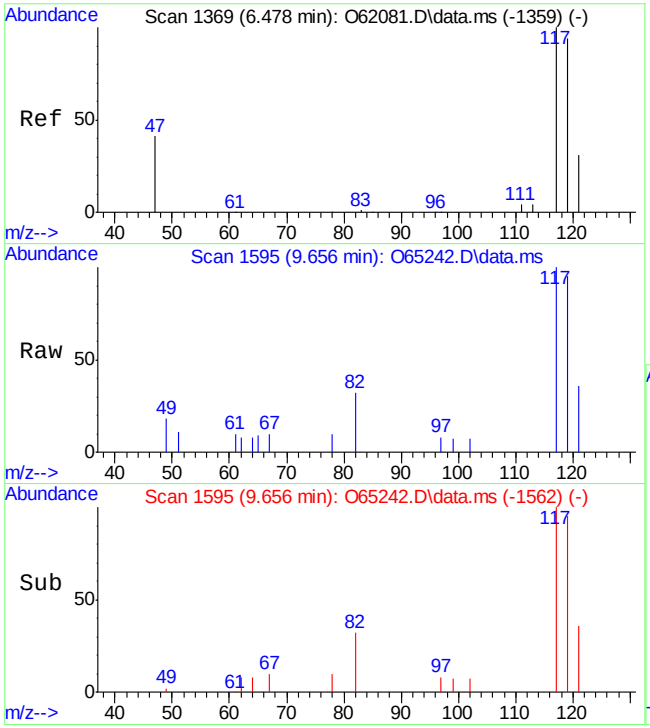


#9
Chloroform
Concen: 0.13 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65242.D
Acq: 14 Sep 2021 6:01 pm

Tgt Ion: 83 Resp: 1089

Ion	Ratio	Lower	Upper
83	100		
85	66.3	33.7	93.7
47	52.9	5.1	65.1

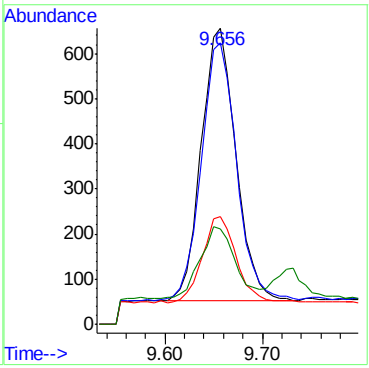




#10
Carbon Tetrachloride
Concen: 0.28 ug/L m
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65242.D
Acq: 14 Sep 2021 6:01 pm

Tgt Ion:117 Resp: 1480

Ion	Ratio	Lower	Upper
117	100		
119	95.0	68.2	128.2
121	36.4	1.1	61.1
82	32.2	0.0	54.2



Manual Integration Approval Summary

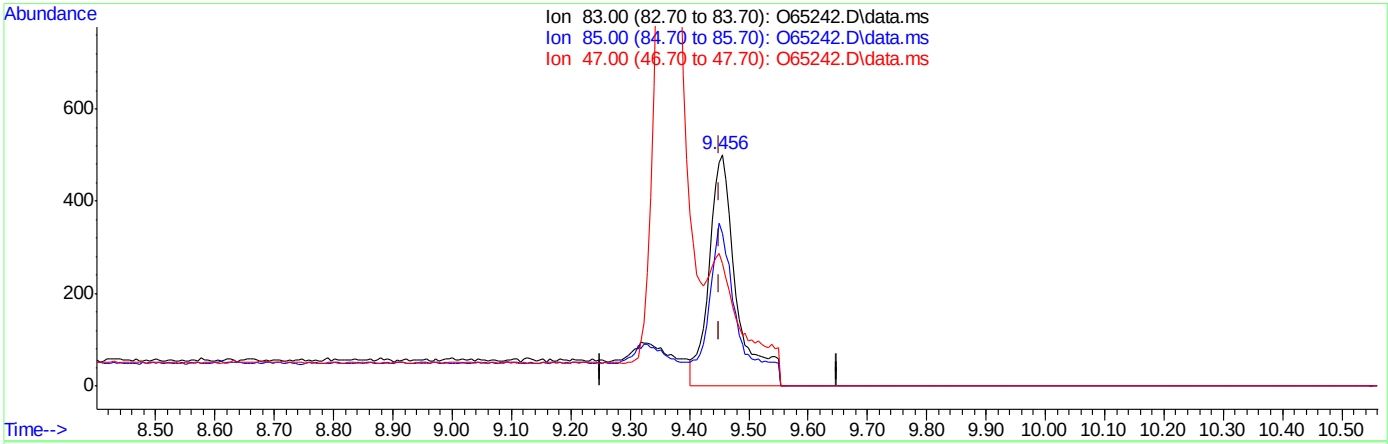
Sample Number: FA88736-39
Lab FileID: O65242.D
Injection Time: 09/14/21 18:01
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

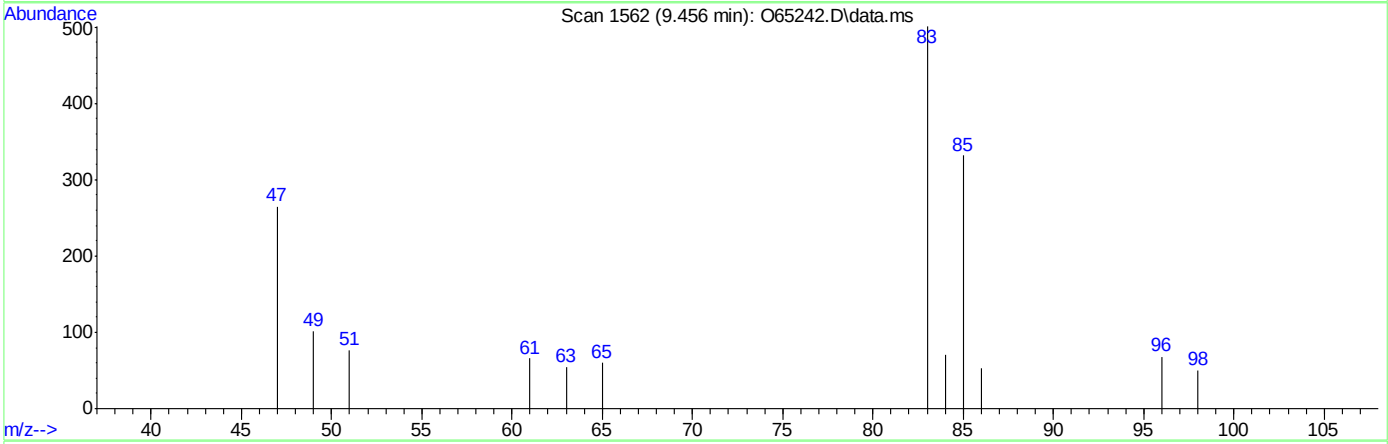
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:31:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65242.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.19ug/L

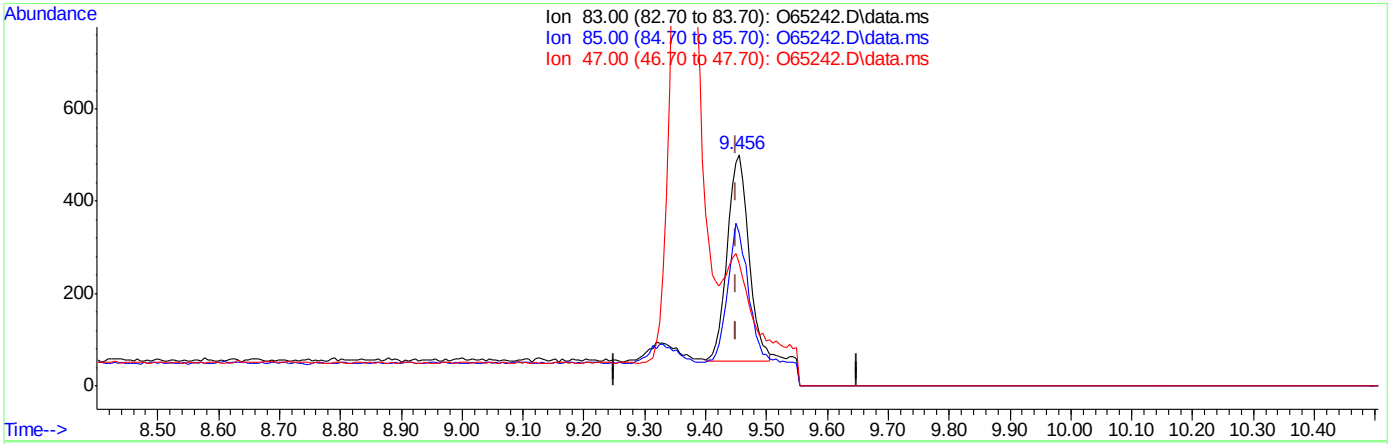
response 1614

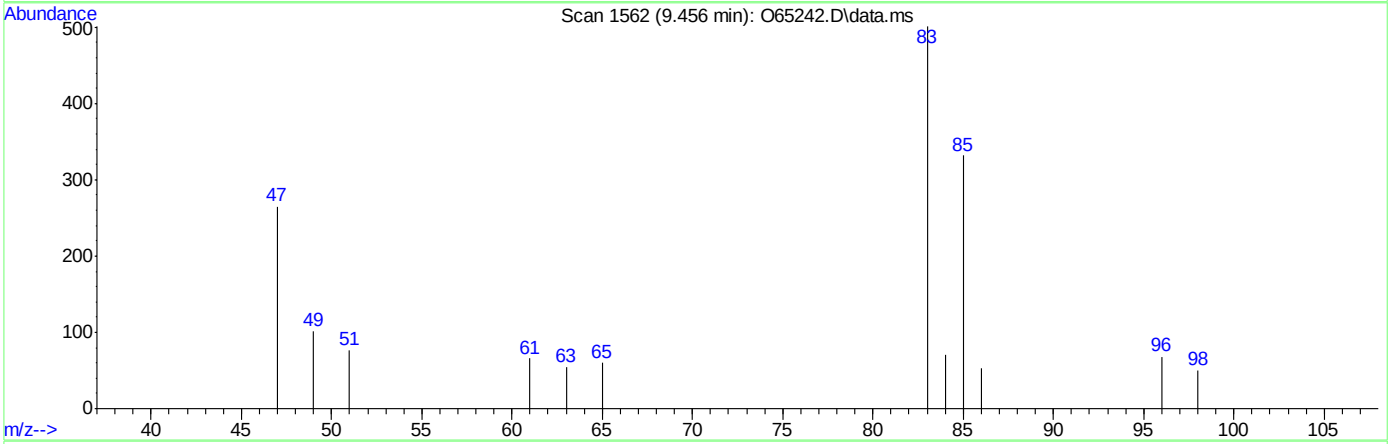
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.27
47.00	35.10	52.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:31:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65242.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.13ug/L m

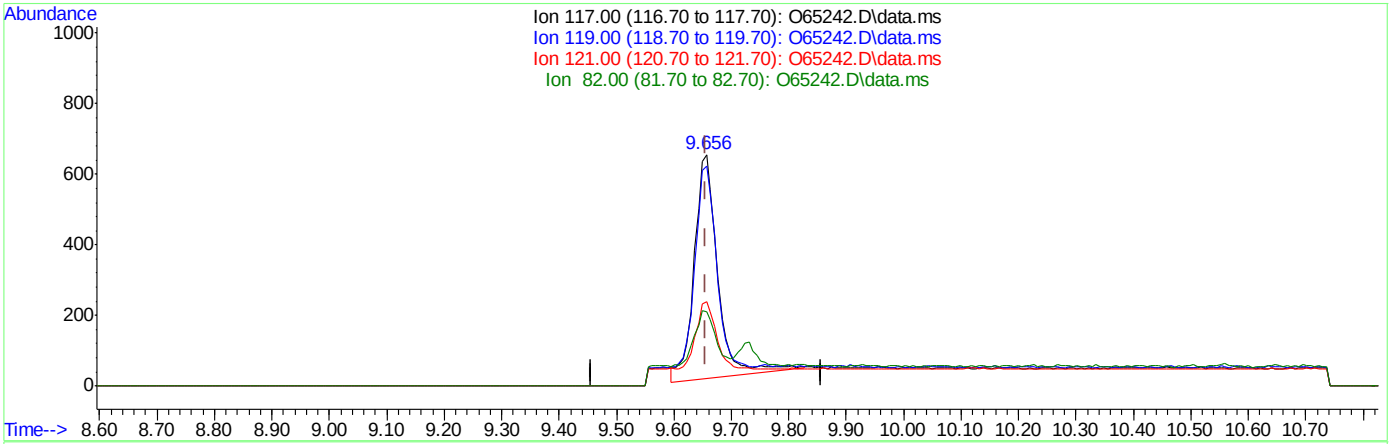
response 1089

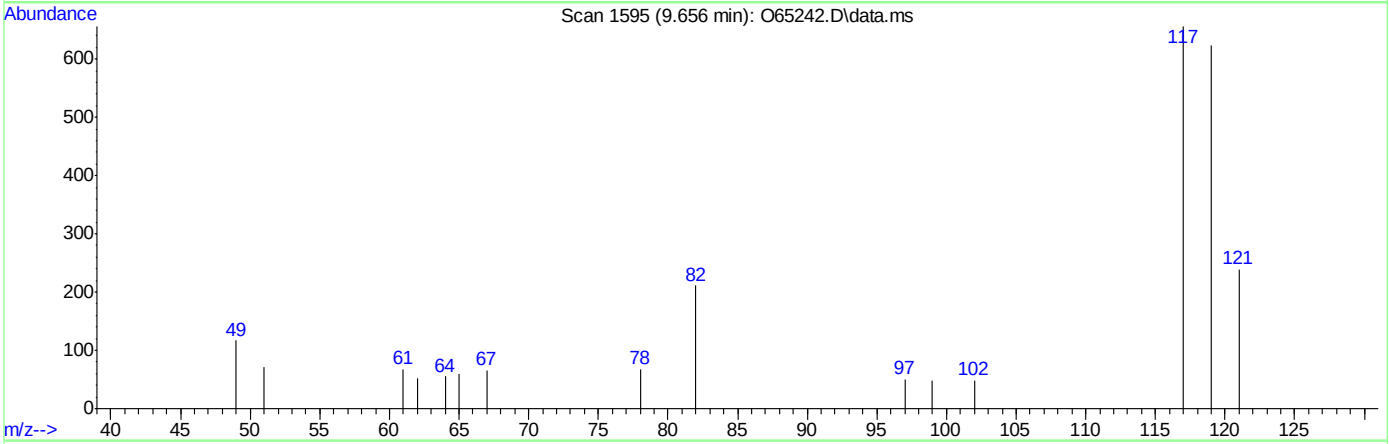
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.27
47.00	35.10	52.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:31:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65242.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.34ug/L

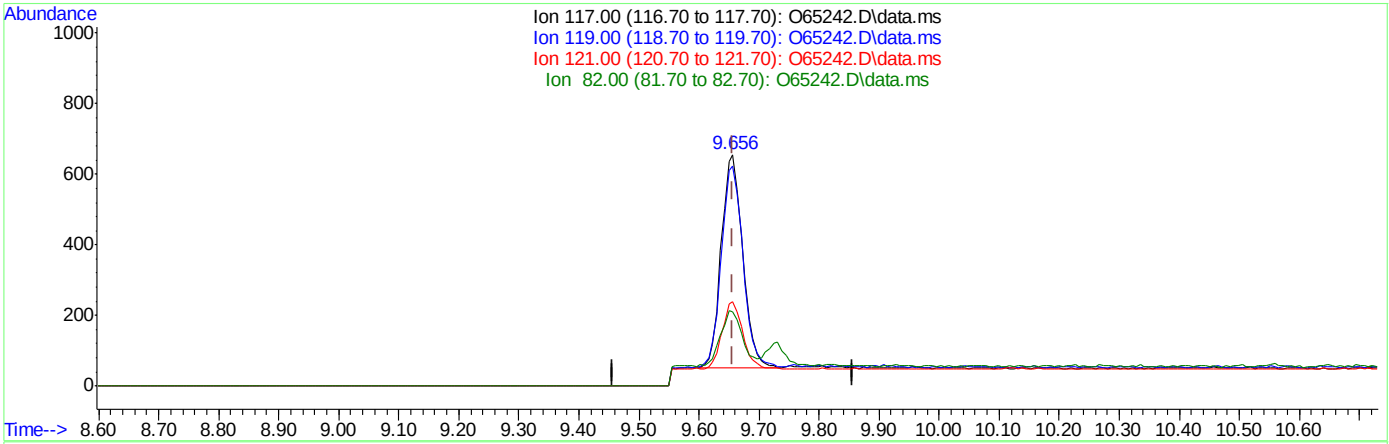
response 1794

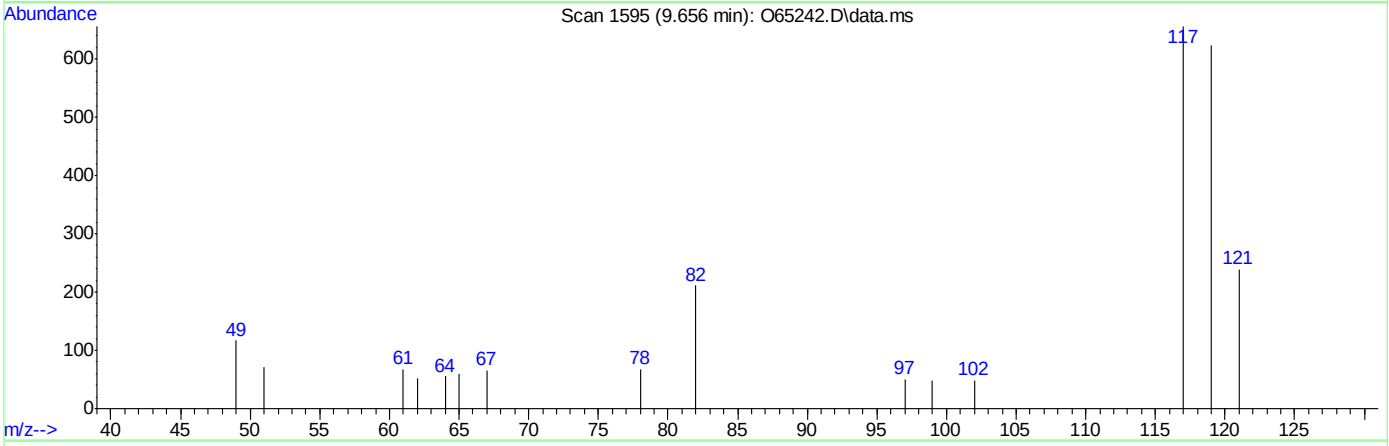
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.21
121.00	31.10	31.29
82.00	24.20	25.66

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65242.D
Acq On : 14 Sep 2021 6:01 pm
Operator : CHARLENG
Sample : FA88736-39 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:31:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65242.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (-0.001) 0.28ug/L m

response 1480

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.97
121.00	31.10	36.43
82.00	24.20	32.16

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65243.D
Acq On : 14 Sep 2021 6:24 pm
Operator : CHARLENG
Sample : FA88736-40 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 09:00:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

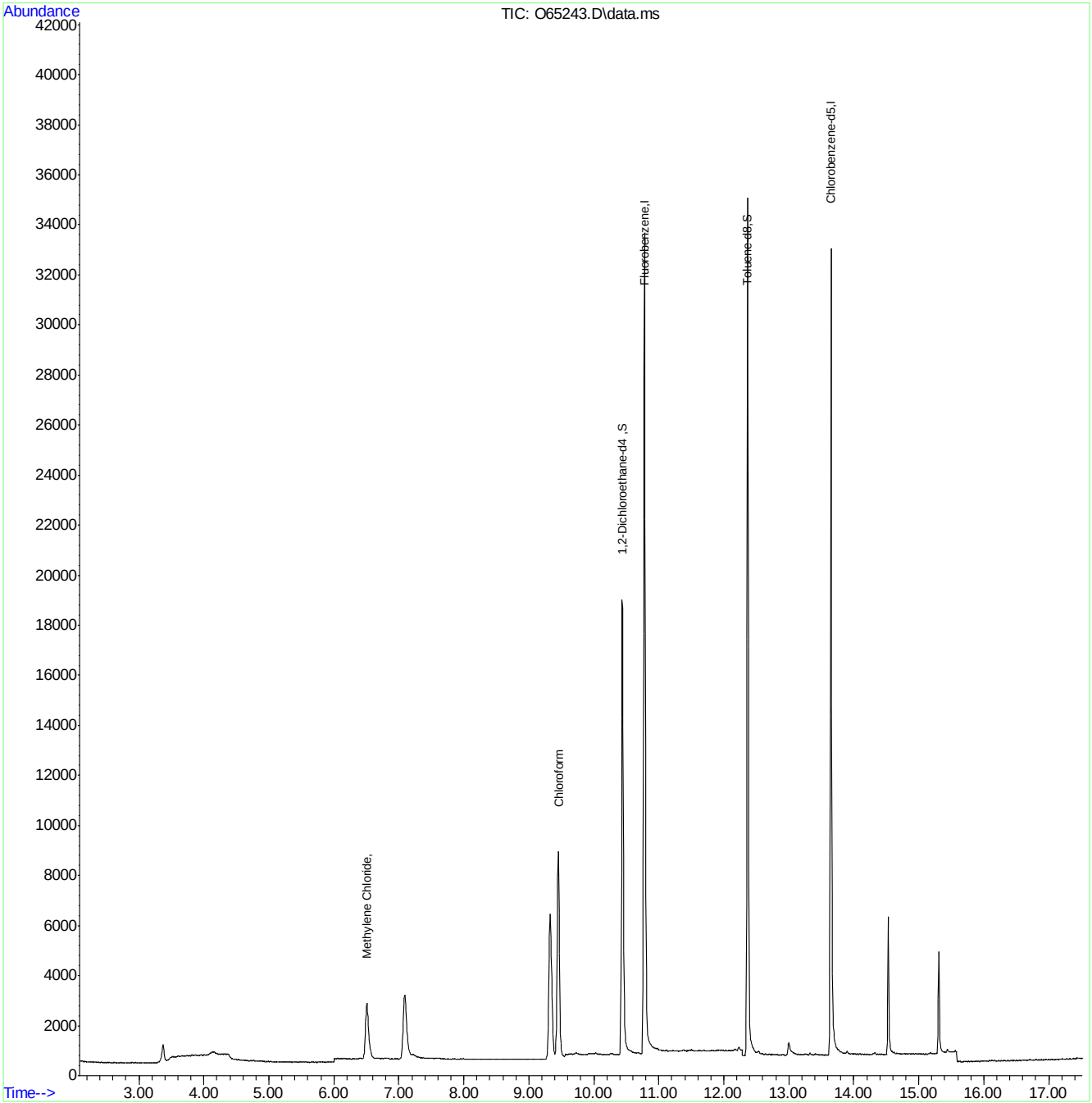
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38555	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27067	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17417	5.34	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.80%			
19) Toluene-d8	12.367	98	30572	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3063	0.29	ug/L	91
9) Chloroform	9.456	83	9286m	1.05	ug/L	

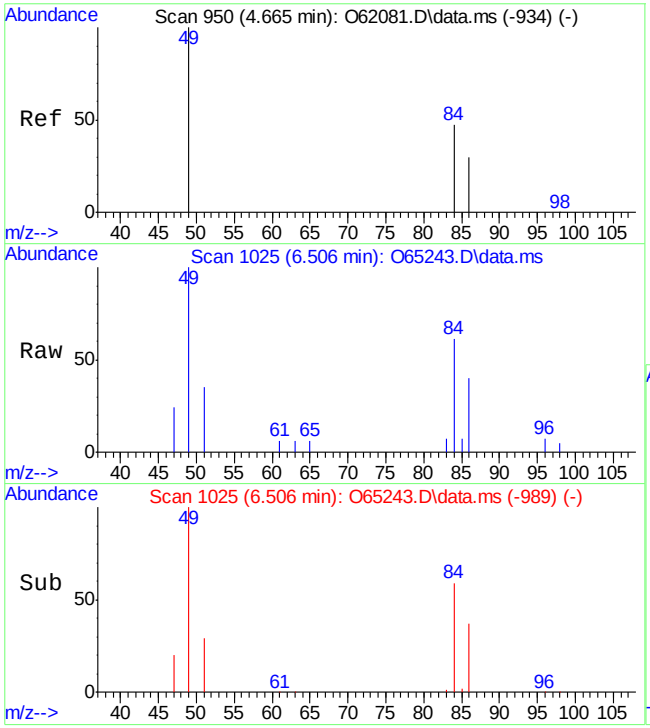
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65243.D
Acq On : 14 Sep 2021 6:24 pm
Operator : CHARLENG
Sample : FA88736-40 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 09:00:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

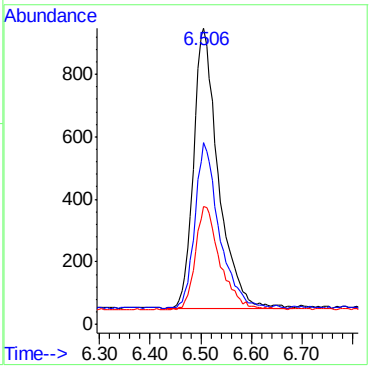


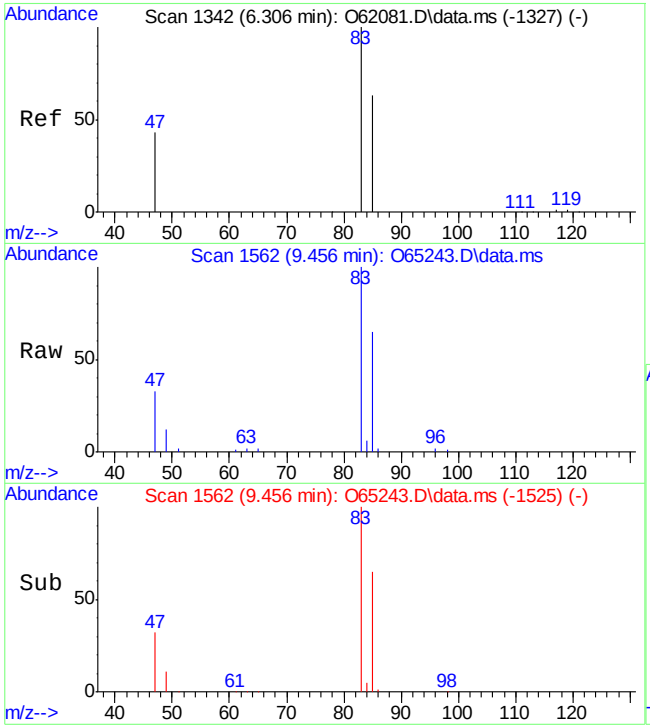


#5
Methylene Chloride
Concen: 0.29 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65243.D
Acq: 14 Sep 2021 6:24 pm

Tgt Ion: 49 Resp: 3063

Ion	Ratio	Lower	Upper
49	100		
84	59.2	35.5	95.5
86	36.7	12.8	72.8

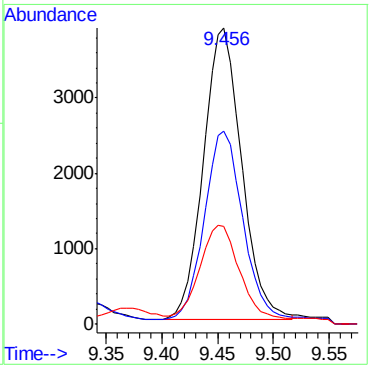




#9
Chloroform
Concen: 1.05 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65243.D
Acq: 14 Sep 2021 6:24 pm

Tgt Ion: 83 Resp: 9286

Ion	Ratio	Lower	Upper
83	100		
85	65.0	33.7	93.7
47	32.8	5.1	65.1



Manual Integration Approval Summary

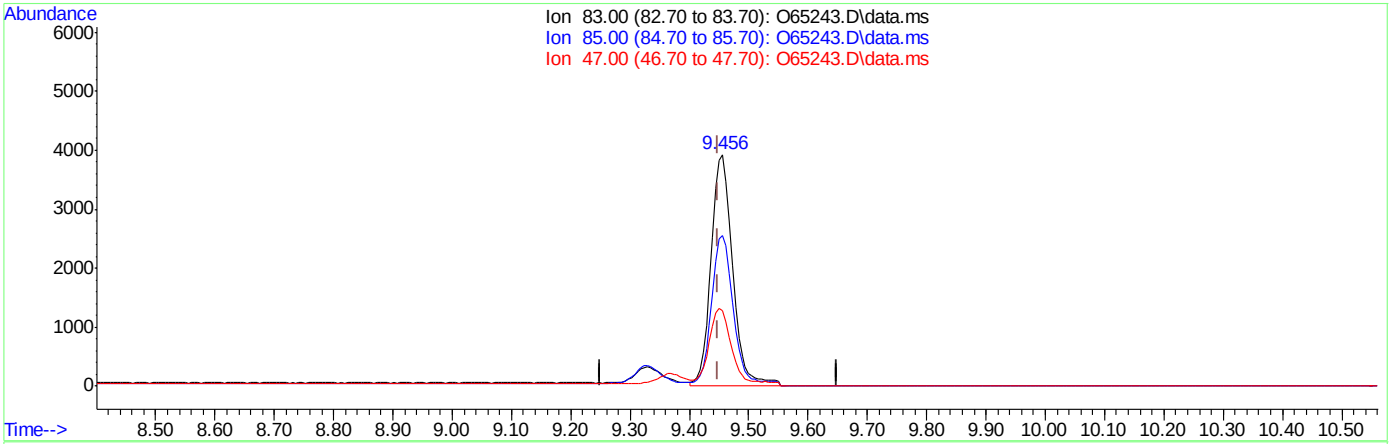
Sample Number: FA88736-40
Lab FileID: O65243.D
Injection Time: 09/14/21 18:24
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

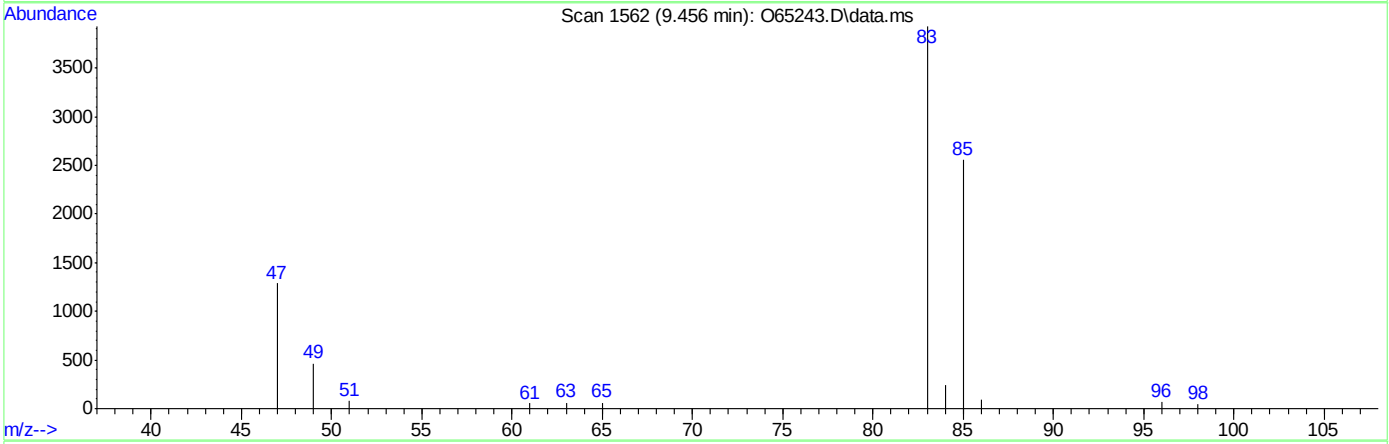
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65243.D
Acq On : 14 Sep 2021 6:24 pm
Operator : CHARLENG
Sample : FA88736-40 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 09:00:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65243.D\data.ms

(9) Chloroform

9.456min (+0.006) 1.12ug/L

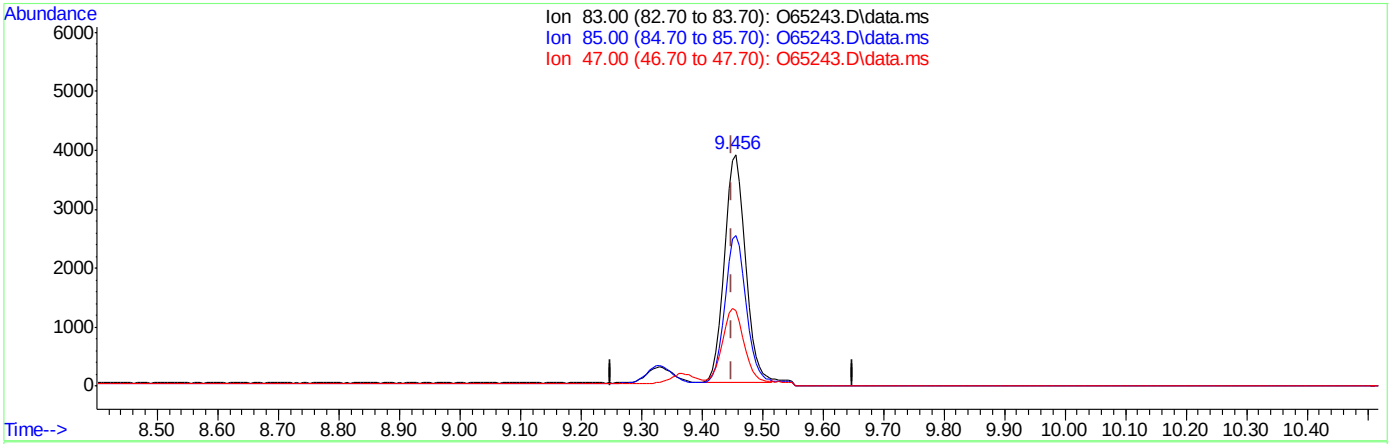
response 9966

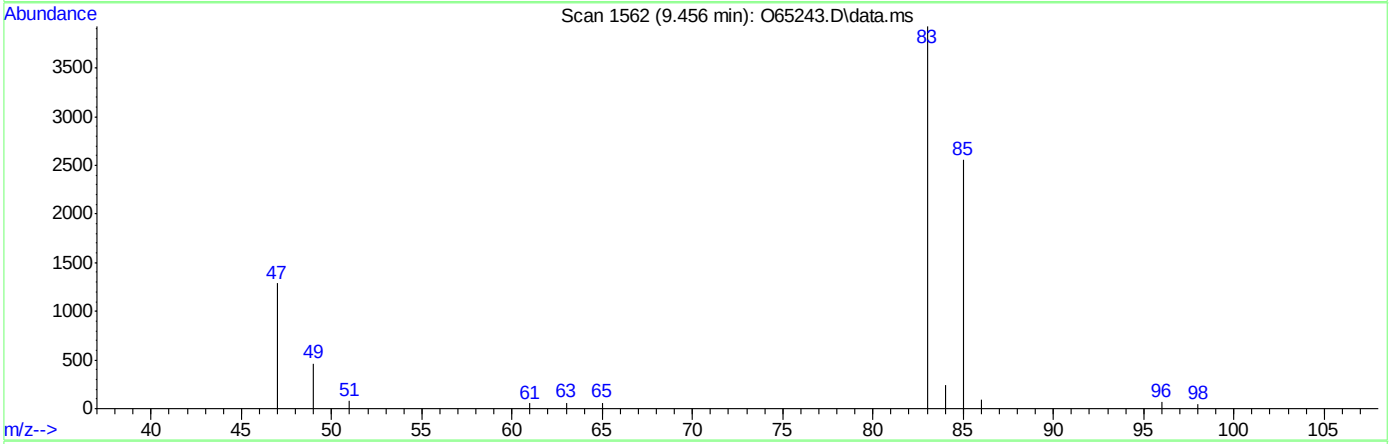
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.02
47.00	35.10	32.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65243.D
Acq On : 14 Sep 2021 6:24 pm
Operator : CHARLENG
Sample : FA88736-40 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 09:00:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65243.D\data.ms

(9) Chloroform

9.456min (+0.006) 1.05ug/L m

response 9286

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.02
47.00	35.10	32.82
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65183.D
Acq On : 13 Sep 2021 5:01 pm
Operator : charleng
Sample : FA88736-41 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 10:54:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

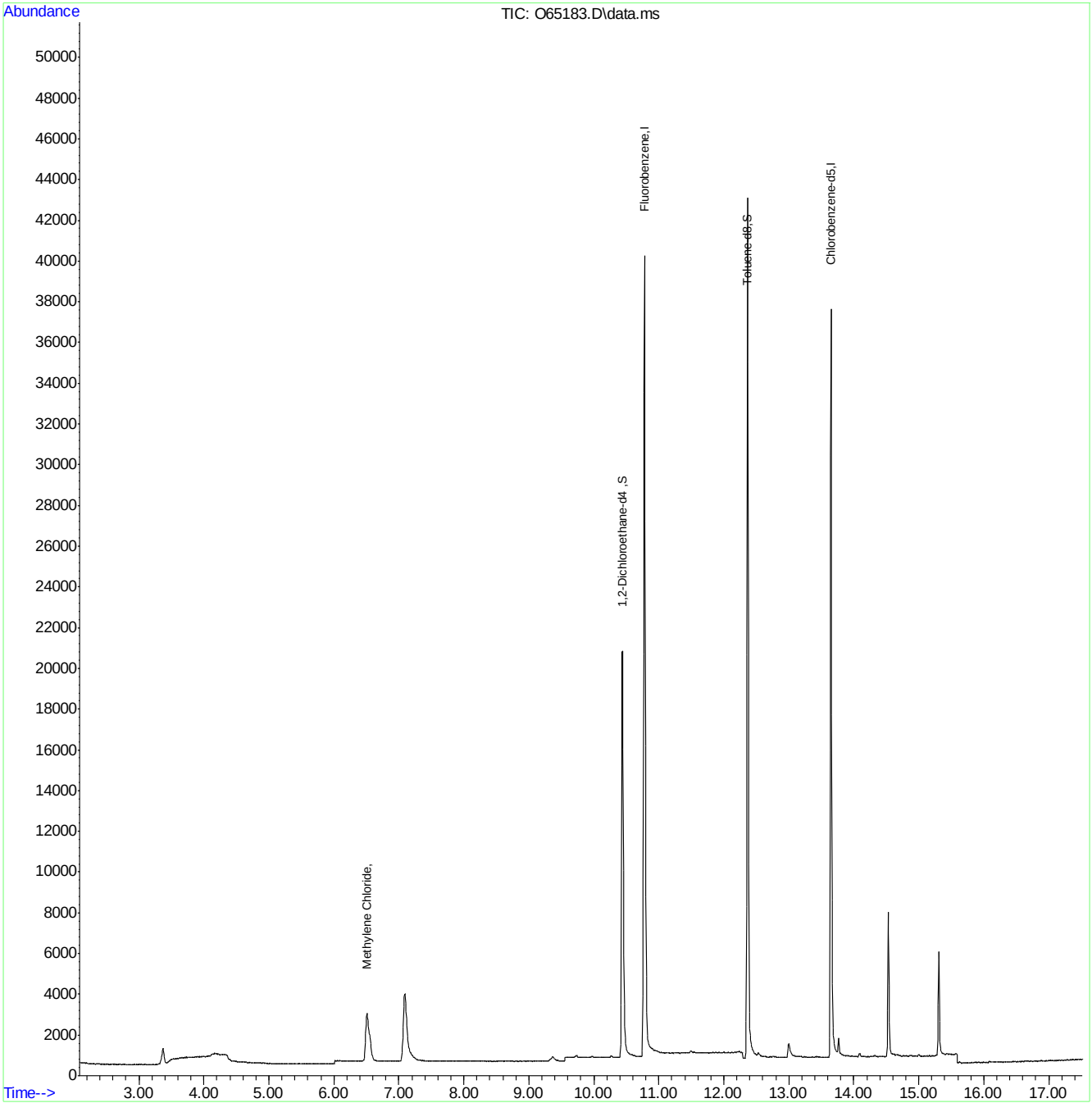
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	46081	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32115	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	19593	5.02	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.40%			
19) Toluene-d8	12.367	98	37269	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.507	49	3817	0.30	ug/L	93

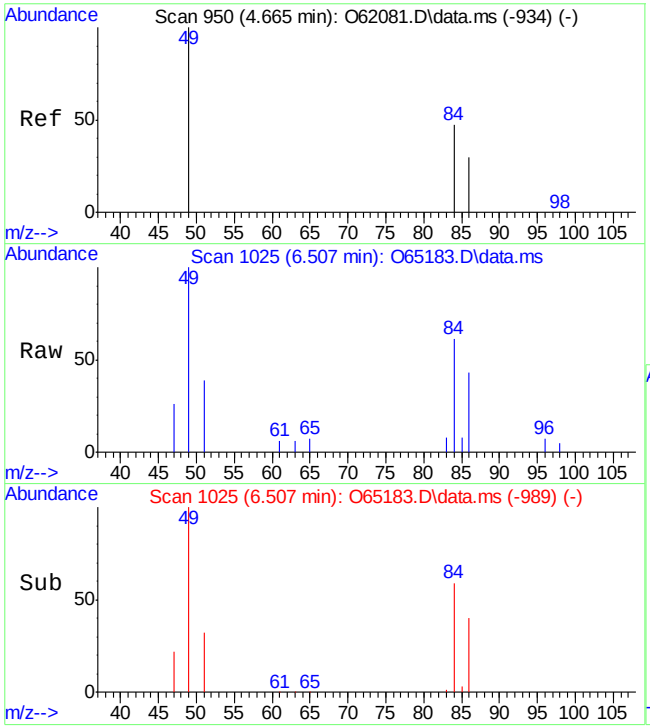
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65183.D
Acq On : 13 Sep 2021 5:01 pm
Operator : charleng
Sample : FA88736-41 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 10:54:48 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

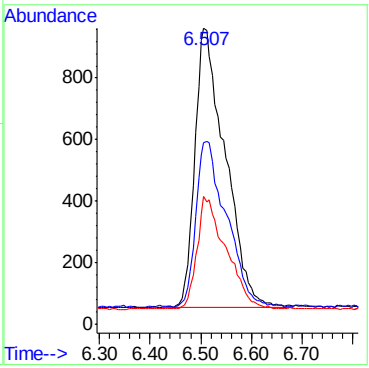




#5
Methylene Chloride
Concen: 0.30 ug/L
RT: 6.507 min Scan# 1025
Delta R.T. -0.000 min
Lab File: O65183.D
Acq: 13 Sep 2021 5:01 pm

Tgt Ion: 49 Resp: 3817

Ion	Ratio	Lower	Upper
49	100		
84	58.6	35.5	95.5
86	40.4	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65180.D
Acq On : 13 Sep 2021 3:51 pm
Operator : charleng
Sample : MB Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 10:54:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

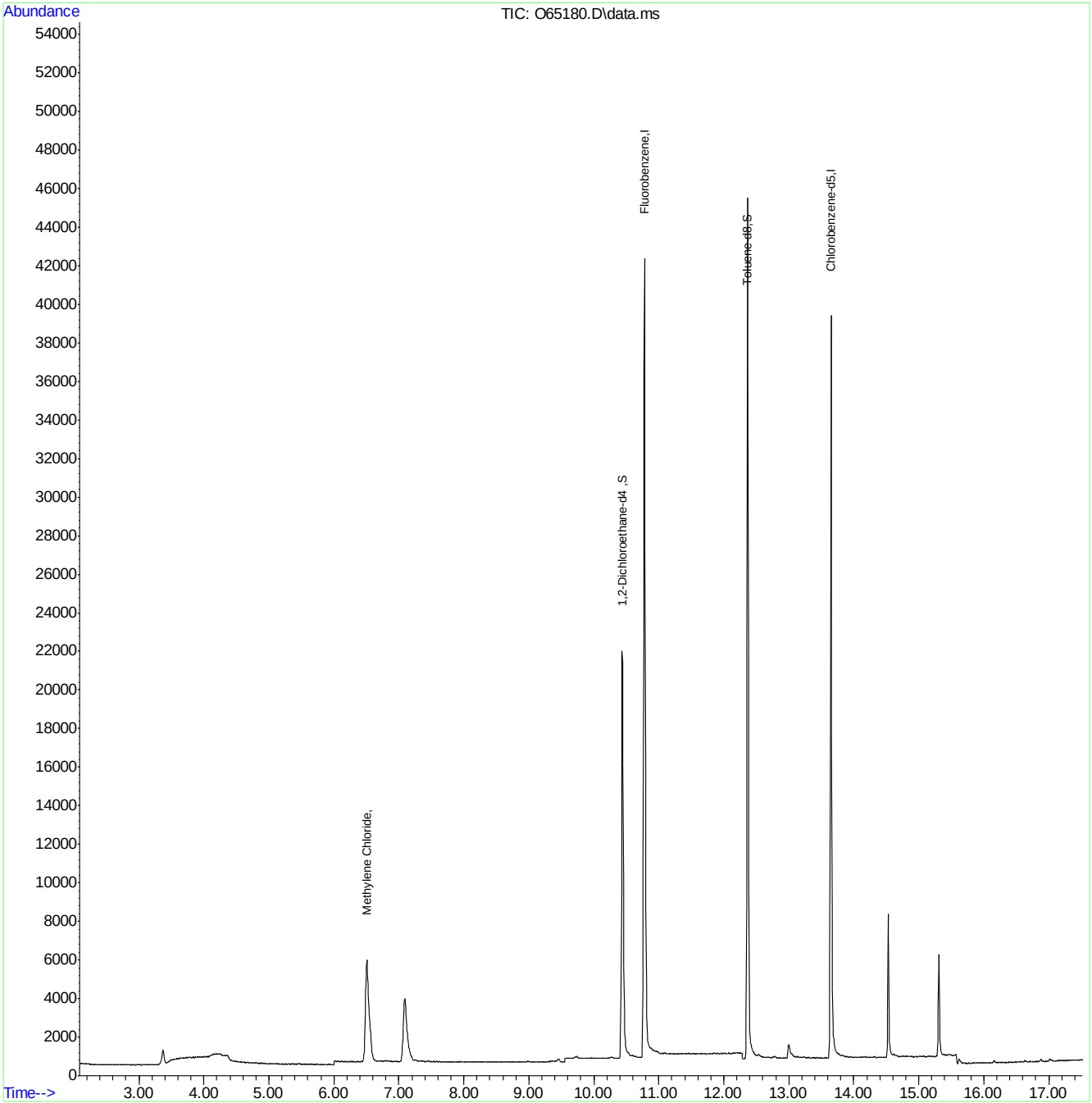
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48593	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33516	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20435	4.97	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%			
19) Toluene-d8	12.367	98	39370	5.03	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	8145	0.60	ug/L	92

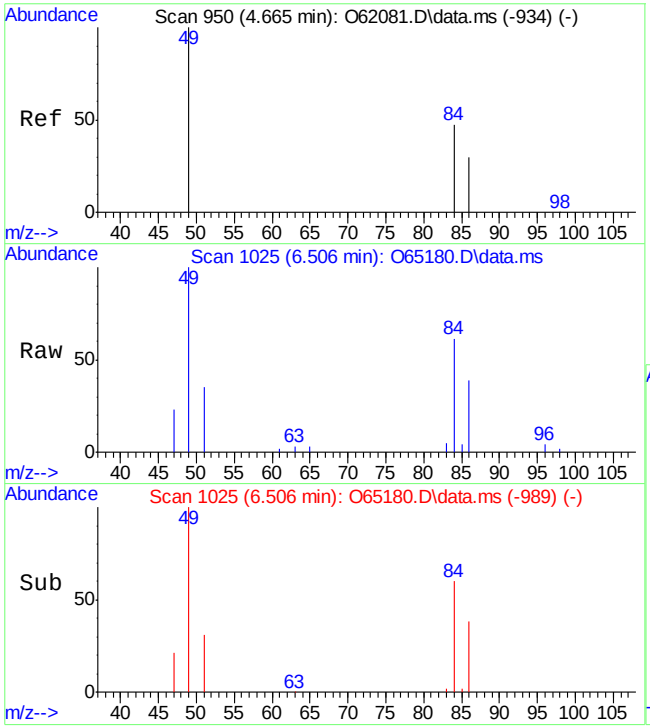
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65180.D
Acq On : 13 Sep 2021 3:51 pm
Operator : charleng
Sample : MB Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 10:54:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

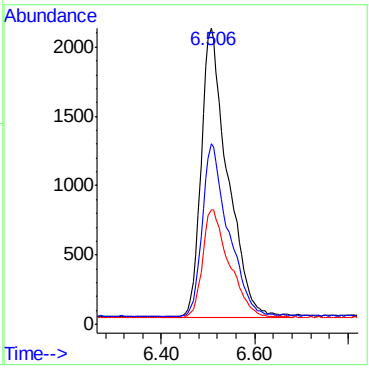




#5
Methylene Chloride
Concen: 0.60 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65180.D
Acq: 13 Sep 2021 3:51 pm

Tgt Ion: 49 Resp: 8145

Ion	Ratio	Lower	Upper
49	100		
84	59.7	35.5	95.5
86	37.4	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65209.D
Acq On : 14 Sep 2021 3:03 am
Operator : charleng
Sample : MB Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 14 11:37:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

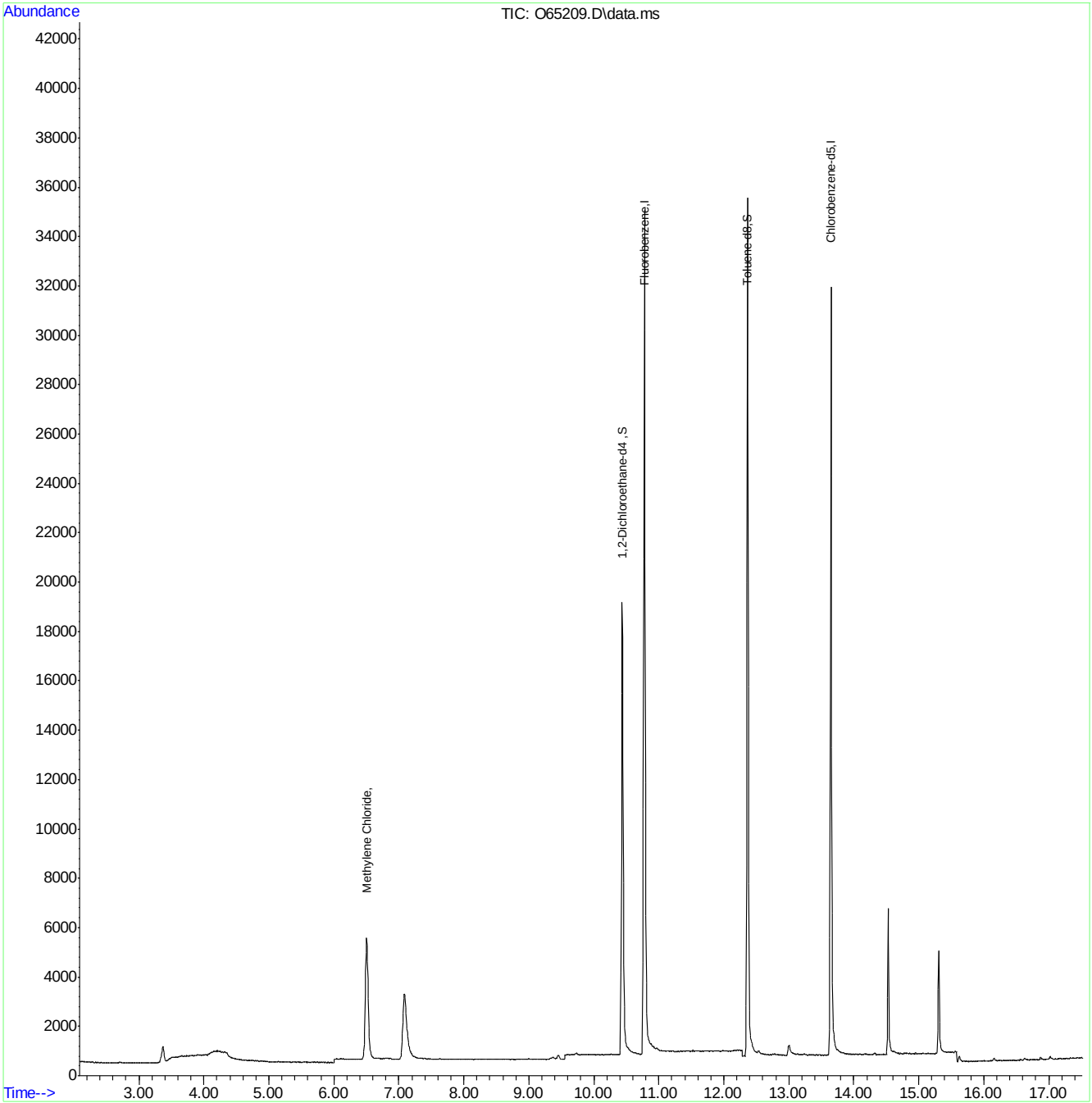
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40288	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27793	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17570	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	31574	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	5937	0.53	ug/L	91

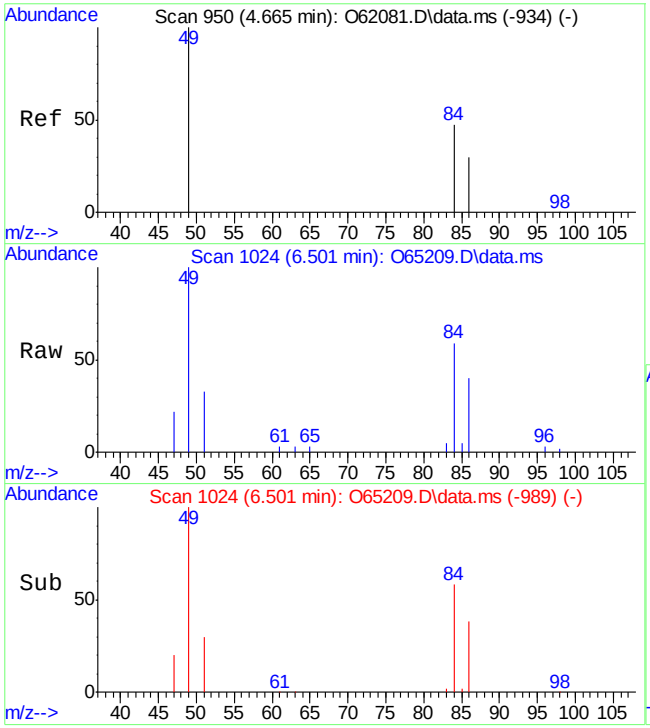
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65209.D
Acq On : 14 Sep 2021 3:03 am
Operator : charleng
Sample : MB Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 14 11:37:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

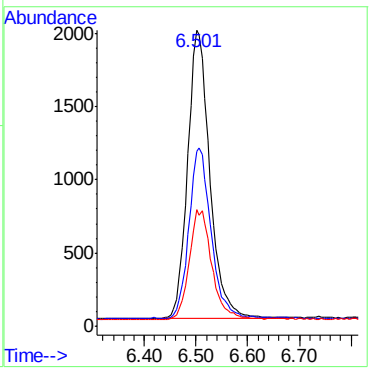




#5
Methylene Chloride
Concen: 0.53 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.006 min
Lab File: O65209.D
Acq: 14 Sep 2021 3:03 am

Tgt Ion: 49 Resp: 5937

Ion	Ratio	Lower	Upper
49	100		
84	57.8	35.5	95.5
86	38.2	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65231.D
Acq On : 14 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : mb Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 14:23:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

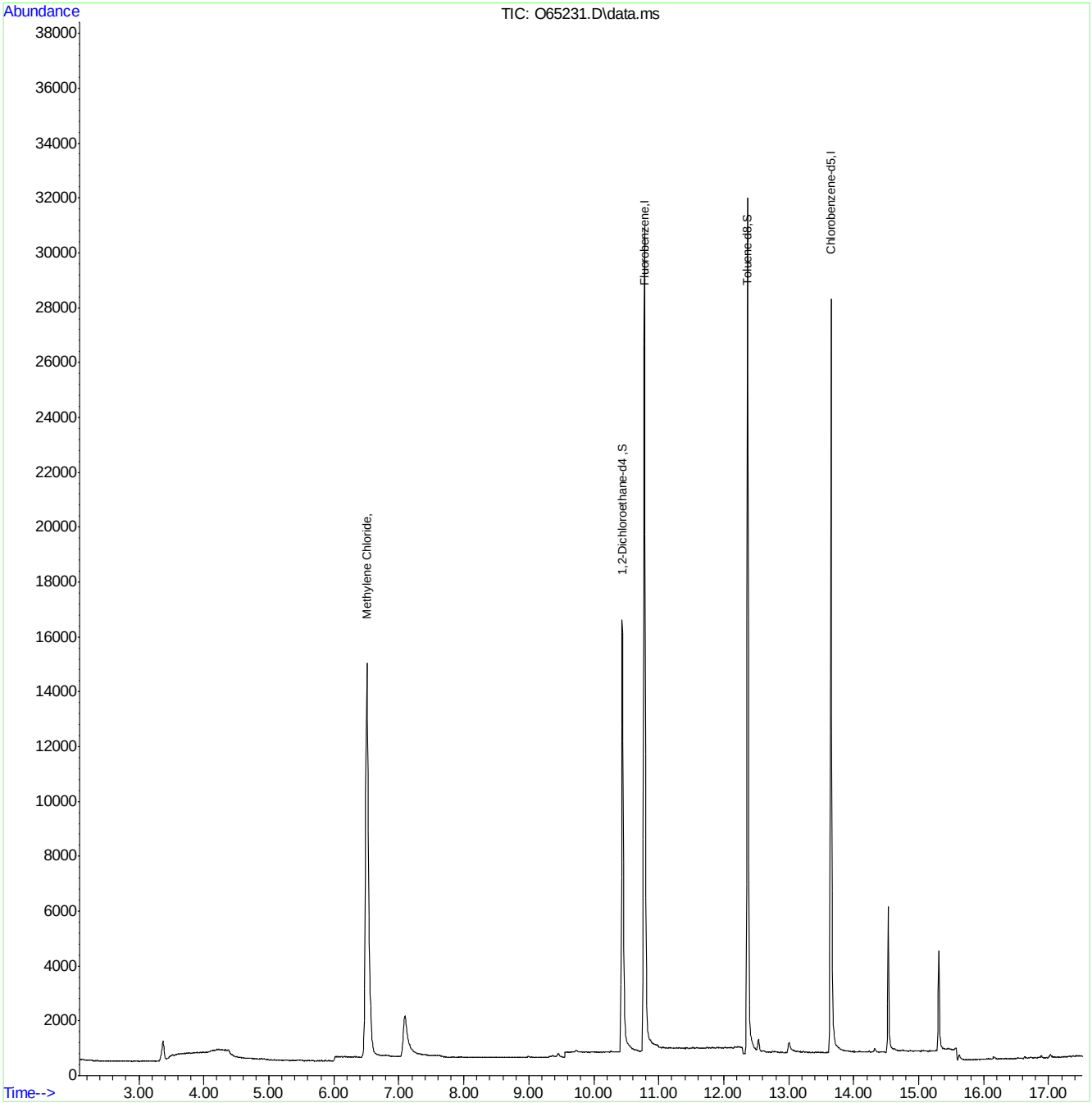
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35743	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24967	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15759	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	12.367	98	28362	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	18770	1.89	ug/L	92

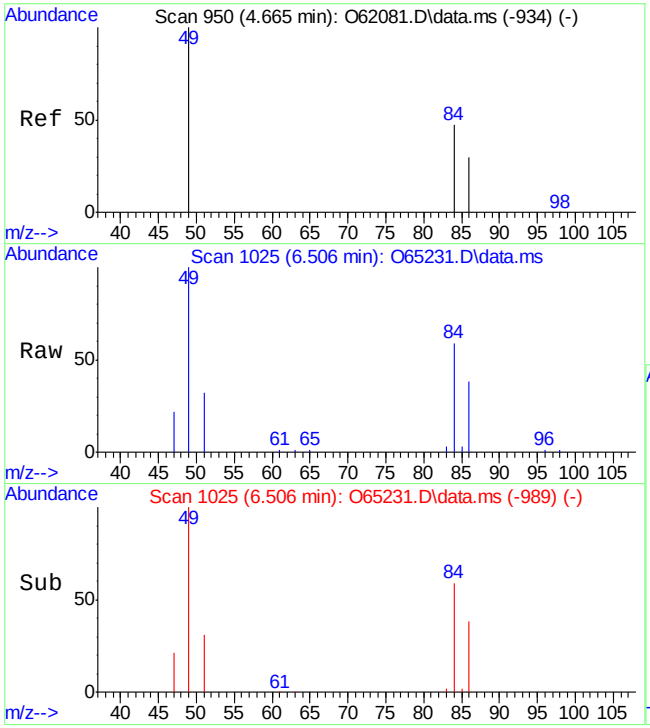
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65231.D
Acq On : 14 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : mb Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 14:23:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

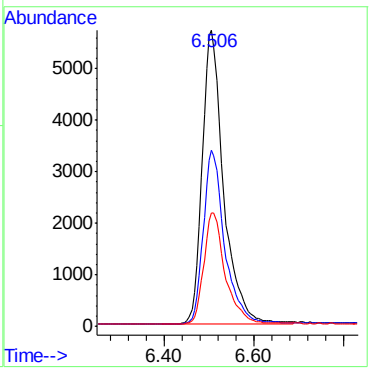




#5
Methylene Chloride
Concen: 1.89 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65231.D
Acq: 14 Sep 2021 1:47 pm

Tgt Ion: 49 Resp: 18770

Ion	Ratio	Lower	Upper
49	100		
84	58.9	35.5	95.5
86	37.7	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65179.D
Acq On : 13 Sep 2021 3:28 pm
Operator : charleng
Sample : BS Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 10:51:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

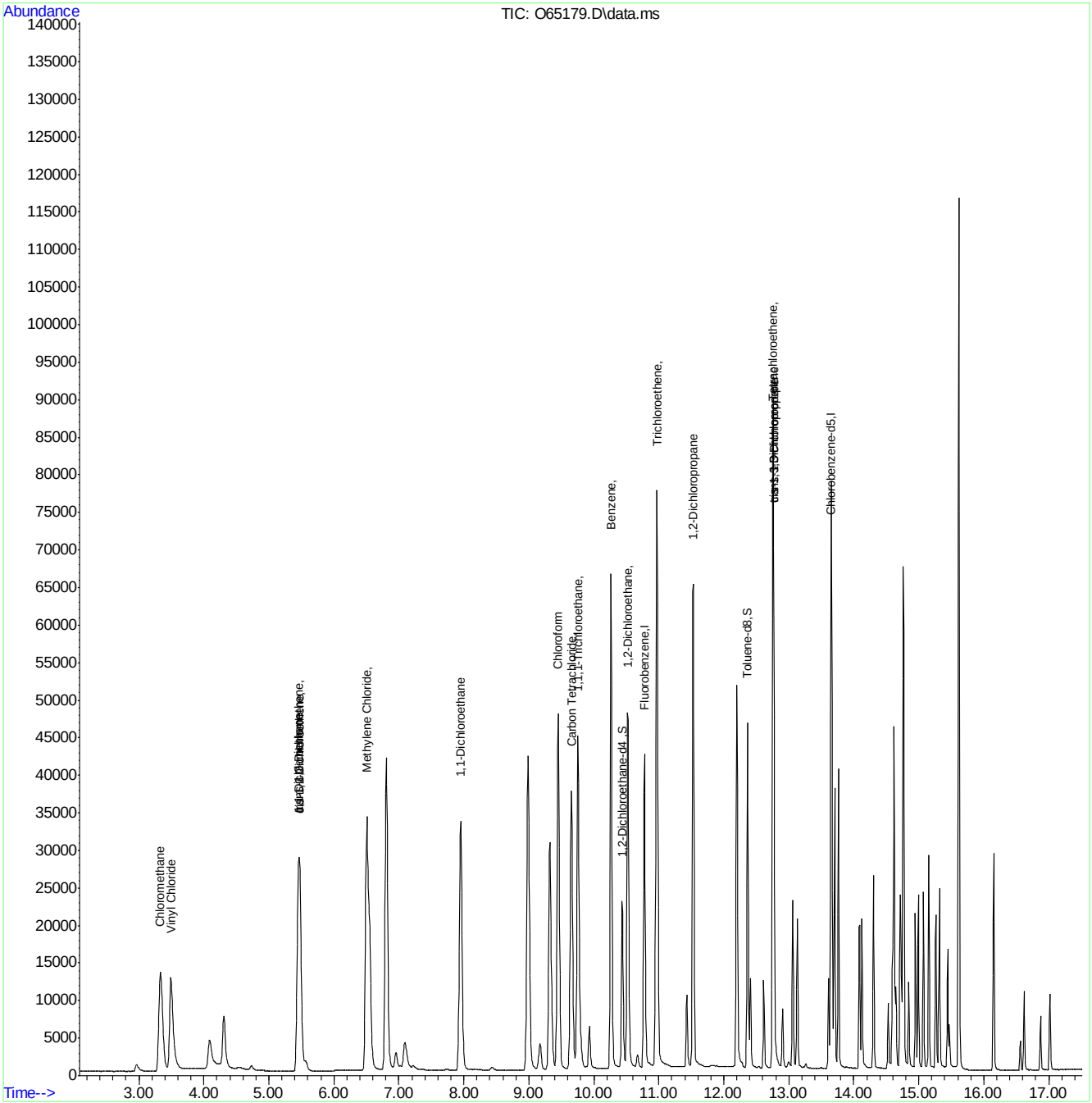
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47801	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33140	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19938	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	39183	5.06	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	32789	4.17	ug/L	98
3) Chloromethane	3.330	50	39794	4.04	ug/L	98
4) 1,1-Dichloroethene	5.465	61	52074	5.19	ug/L	83
5) Methylene Chloride	6.506	49	56348	4.24	ug/L	94
6) trans-1,2-Dichloroethene	5.465	61	52074	5.19	ug/L	79
7) 1,1-Dichloroethane	7.951	63	57943	5.18	ug/L	99
8) cis-1,2-Dichloroethene	5.469	96	25774	5.17	ug/L	88
9) Chloroform	9.450	83	53393	4.86	ug/L	98
10) Carbon Tetrachloride	9.657	117	34944	5.14	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	44369	5.09	ug/L	96
12) Benzene	10.267	78	101372	4.98	ug/L	99
14) 1,2-Dichloroethane	10.519	62	49818	4.75	ug/L	89
15) Trichloroethene	10.974	95	30762	4.91	ug/L	96
16) 1,2-Dichloropropane	11.531	63	30977	4.92	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	35651	4.91	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	35651	5.00	ug/L	95
21) Tetrachloroethene	12.752	166	27339	5.14	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65179.D
Acq On : 13 Sep 2021 3:28 pm
Operator : charleng
Sample : BS Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 10:51:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65208.D
Acq On : 14 Sep 2021 2:40 am
Operator : charleng
Sample : BS Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 14 11:32:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

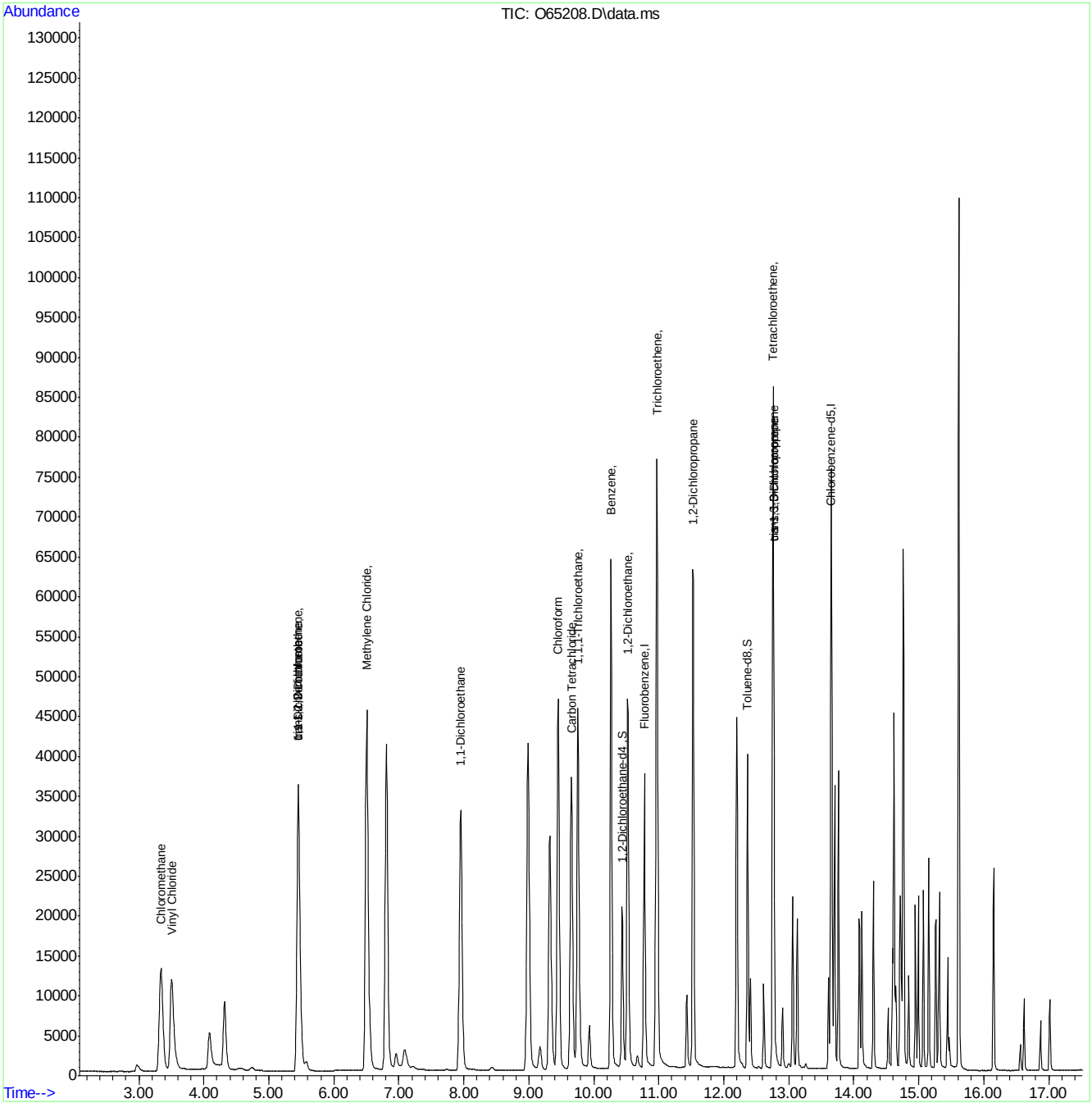
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	42831	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29947	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18041	4.97	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%			
19) Toluene-d8	12.367	98	34037	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	31213	4.43	ug/L	99
3) Chloromethane	3.339	50	36163	4.10	ug/L	97
4) 1,1-Dichloroethene	5.452	61	52030	5.79	ug/L	82
5) Methylene Chloride	6.501	49	55351	4.65	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	52030	5.79	ug/L	78
7) 1,1-Dichloroethane	7.951	63	58726	5.85	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	25520	5.71	ug/L	90
9) Chloroform	9.450	83	53516	5.43	ug/L	98
10) Carbon Tetrachloride	9.657	117	34576	5.67	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	44381	5.68	ug/L	96
12) Benzene	10.267	78	99396	5.44	ug/L	99
14) 1,2-Dichloroethane	10.519	62	49372	5.25	ug/L	89
15) Trichloroethene	10.974	95	31330	5.58	ug/L	96
16) 1,2-Dichloropropane	11.525	63	30651	5.43	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	31937	4.91	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	31937	4.95	ug/L	95
21) Tetrachloroethene	12.752	166	27045	5.63	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65208.D
Acq On : 14 Sep 2021 2:40 am
Operator : charleng
Sample : BS Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 14 11:32:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65251.D
Acq On : 14 Sep 2021 9:30 pm
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 15 08:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

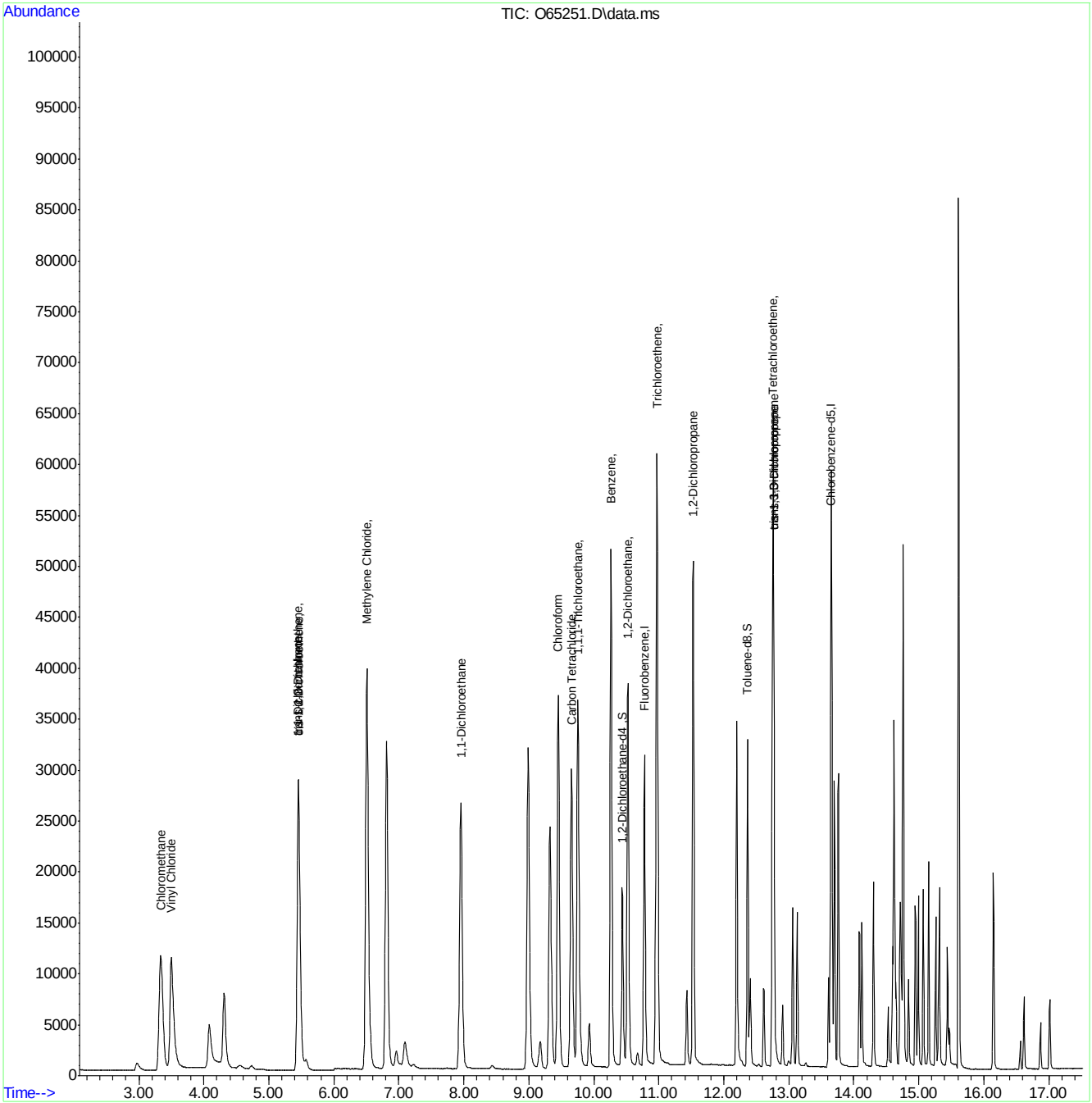
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35264	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24847	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15619	5.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%			
19) Toluene-d8	12.367	98	27608	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	30064	5.18	ug/L	99
3) Chloromethane	3.335	50	33451	4.60	ug/L	96
4) 1,1-Dichloroethene	5.452	61	39806	5.38	ug/L	82
5) Methylene Chloride	6.506	49	47024	4.80	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	39806	5.38	ug/L	78
7) 1,1-Dichloroethane	7.956	63	46155	5.59	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	19480	5.29	ug/L	89
9) Chloroform	9.450	83	42393	5.23	ug/L	99
10) Carbon Tetrachloride	9.656	117	26881	5.36	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	34329	5.34	ug/L	95
12) Benzene	10.267	78	76701	5.10	ug/L	98
14) 1,2-Dichloroethane	10.525	62	39088	5.05	ug/L	90
15) Trichloroethene	10.974	95	23977	5.19	ug/L	96
16) 1,2-Dichloropropane	11.531	63	23919	5.14	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	24181	4.51	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	24181	4.52	ug/L	95
21) Tetrachloroethene	12.752	166	20882	5.24	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65251.D
Acq On : 14 Sep 2021 9:30 pm
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 15 08:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



SIMCL-09-13-2021.M Wed Sep 15 09:11:36 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65202.D
Acq On : 14 Sep 2021 12:22 am
Operator : charleng
Sample : FA88736-4MS Inst : MSVOA12
Misc : MS49752,VO2557,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 14 10:52:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

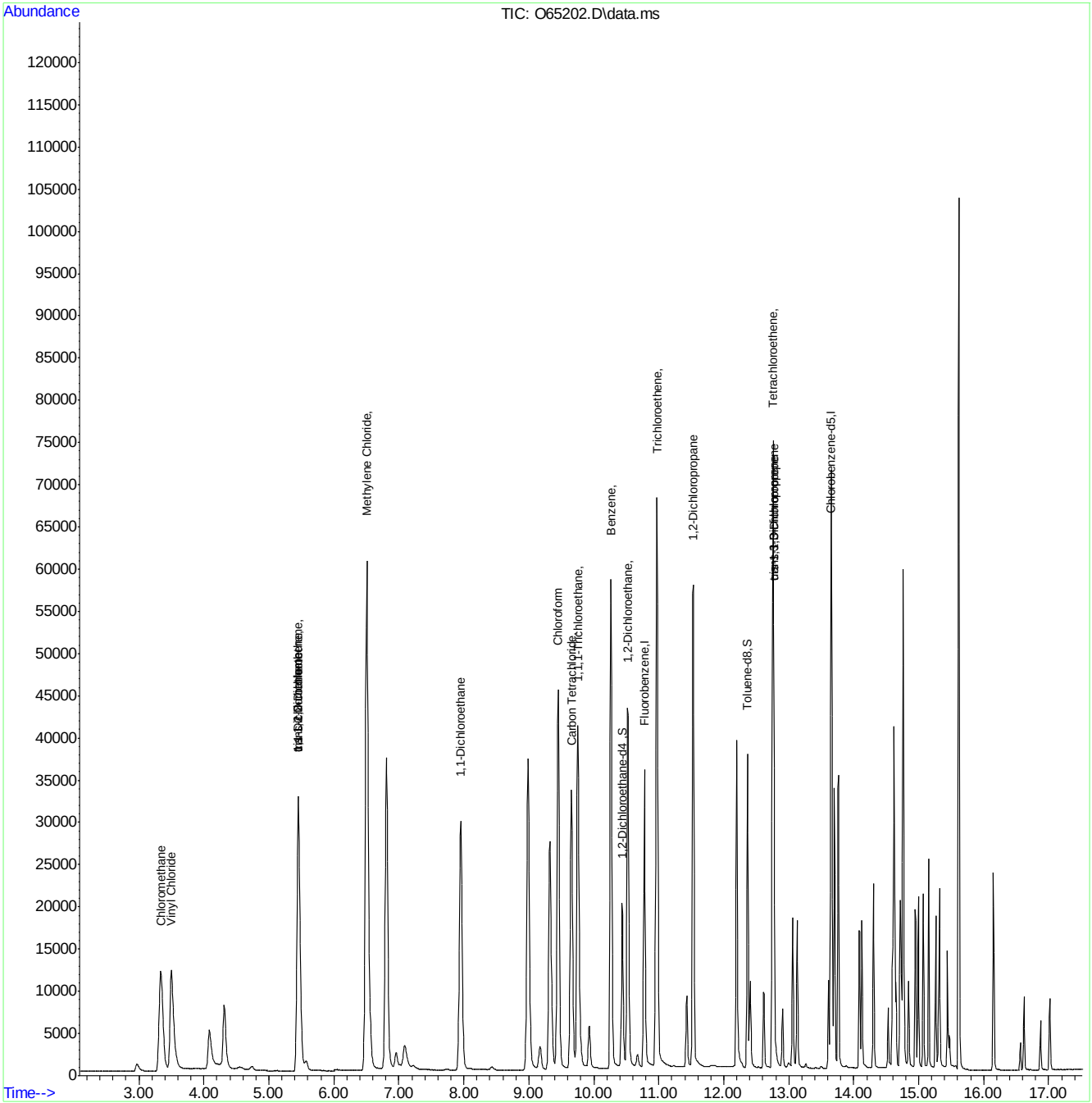
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40792	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28747	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17582	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	32436	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	31894	4.75	ug/L	99
3) Chloromethane	3.335	50	35618	4.24	ug/L	97
4) 1,1-Dichloroethene	5.452	61	47452	5.55	ug/L	83
5) Methylene Chloride	6.506	49	74975	6.61	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	47452	5.55	ug/L	78
7) 1,1-Dichloroethane	7.951	63	53083	5.56	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	23180	5.44	ug/L	89
9) Chloroform	9.450	83	51911	5.53	ug/L	99
10) Carbon Tetrachloride	9.657	117	30849	5.31	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	40112	5.39	ug/L	96
12) Benzene	10.267	78	90014	5.18	ug/L	100
14) 1,2-Dichloroethane	10.519	62	45409	5.07	ug/L	89
15) Trichloroethene	10.974	95	27228	5.09	ug/L	96
16) 1,2-Dichloropropane	11.531	63	27903	5.19	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	26937	4.35	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	26937	4.35	ug/L	95
21) Tetrachloroethene	12.752	166	24405	5.29	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65202.D
Acq On : 14 Sep 2021 12:22 am
Operator : charleng
Sample : FA88736-4MS Inst : MSVOA12
Misc : MS49752,VO2557,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 14 10:52:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65203.D
Acq On : 14 Sep 2021 12:45 am
Operator : charleng
Sample : FA88736-4MSD Inst : MSVOA12
Misc : MS49752,VO2557,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 14 10:52:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

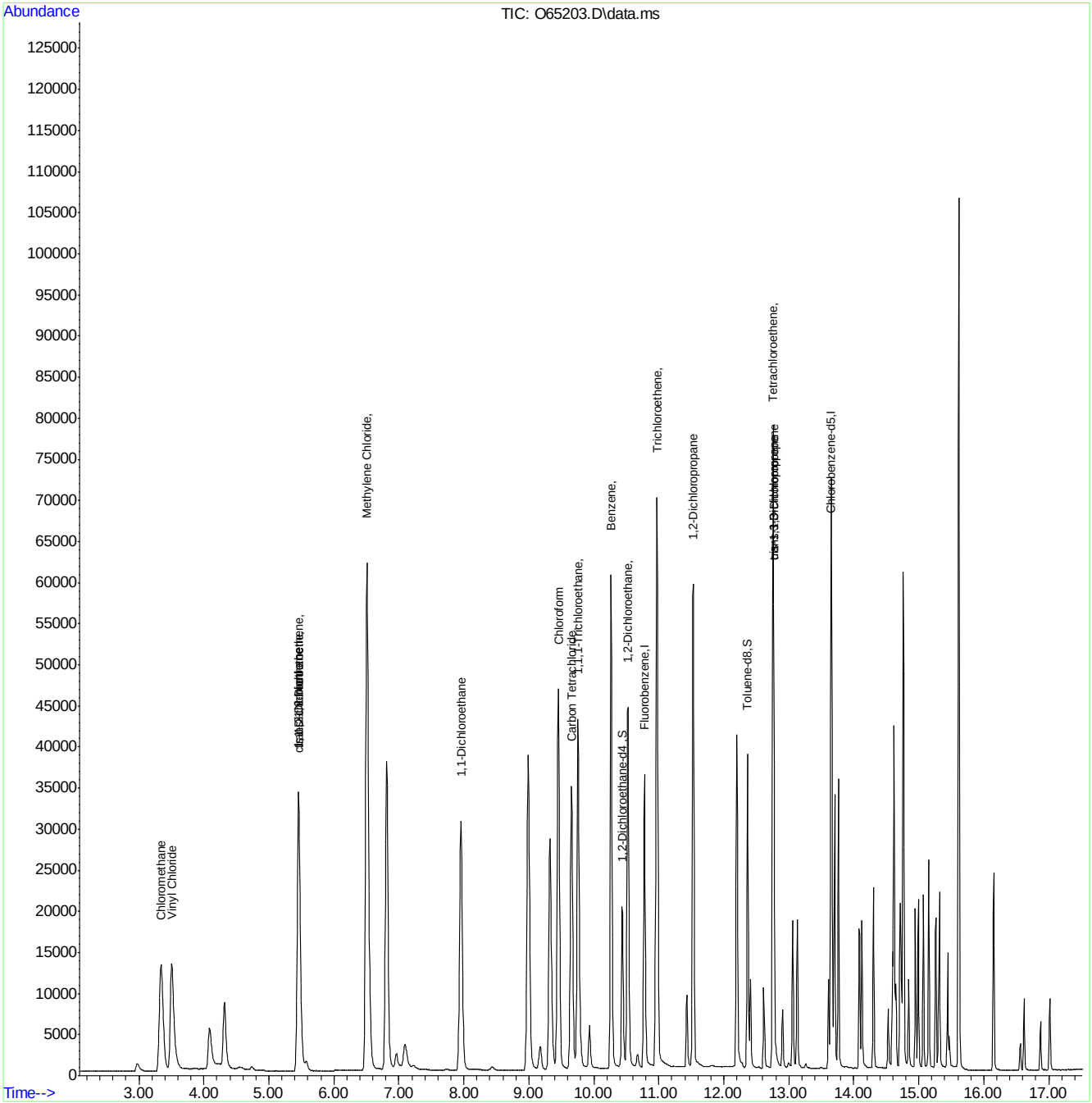
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	41326	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29026	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17783	5.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.60%			
19) Toluene-d8	12.367	98	32812	4.84	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	34708	5.10	ug/L	98
3) Chloromethane	3.339	50	38311	4.50	ug/L	97
4) 1,1-Dichloroethene	5.456	61	48503	5.60	ug/L	82
5) Methylene Chloride	6.507	49	75447	6.57	ug/L	91
6) trans-1,2-Dichloroethene	5.456	61	48503	5.60	ug/L	78
7) 1,1-Dichloroethane	7.957	63	54719	5.65	ug/L	99
8) cis-1,2-Dichloroethene	5.461	96	23849	5.53	ug/L	87
9) Chloroform	9.456	83	53514	5.63	ug/L	97
10) Carbon Tetrachloride	9.657	117	31952	5.43	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	41122	5.45	ug/L	95
12) Benzene	10.267	78	92612	5.26	ug/L	99
14) 1,2-Dichloroethane	10.525	62	46836	5.16	ug/L	91
15) Trichloroethene	10.974	95	27904	5.15	ug/L	96
16) 1,2-Dichloropropane	11.531	63	28728	5.27	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	28621	4.56	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	28621	4.58	ug/L	95
21) Tetrachloroethene	12.752	166	25000	5.37	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65203.D
Acq On : 14 Sep 2021 12:45 am
Operator : charleng
Sample : FA88736-4MSD Inst : MSVOA12
Misc : MS49752,VO2557,,,,,5
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 14 10:52:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65224.D
Acq On : 14 Sep 2021 8:50 am
Operator : charleng
Sample : FA88736-21MS Inst : MSVOA12
Misc : MS49752,VO2558,,,,,5
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 14 11:32:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

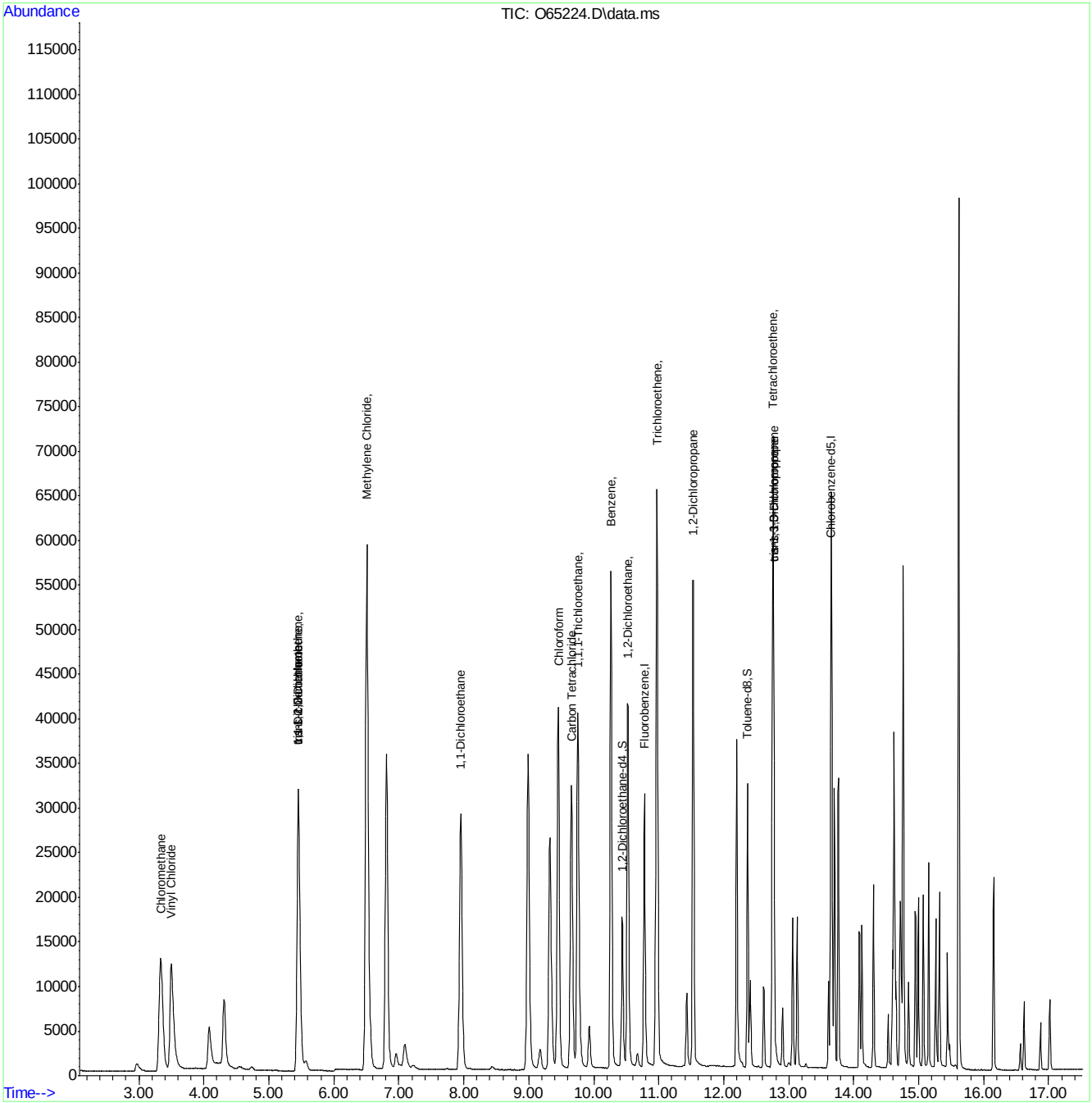
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34747	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24544	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15193	5.16	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.20%			
19) Toluene-d8	12.367	98	28329	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	32512	5.69	ug/L	98
3) Chloromethane	3.335	50	36505	5.10	ug/L	97
4) 1,1-Dichloroethene	5.452	61	44033	6.04	ug/L	82
5) Methylene Chloride	6.506	49	70105	7.26	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	44033	6.04	ug/L	78
7) 1,1-Dichloroethane	7.951	63	50600	6.22	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	21391	5.90	ug/L	90
9) Chloroform	9.456	83	46486	5.82	ug/L	96
10) Carbon Tetrachloride	9.657	117	29314	5.93	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	37950	5.99	ug/L	95
12) Benzene	10.267	78	85233	5.75	ug/L	100
14) 1,2-Dichloroethane	10.519	62	43113	5.65	ug/L	89
15) Trichloroethene	10.974	95	25667	5.64	ug/L	96
16) 1,2-Dichloropropane	11.531	63	26635	5.81	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	26075	4.94	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	26075	4.93	ug/L	95
21) Tetrachloroethene	12.752	166	23029	5.85	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65224.D
Acq On : 14 Sep 2021 8:50 am
Operator : charleng
Sample : FA88736-21MS Inst : MSVOA12
Misc : MS49752,VO2558,,,,,5
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 14 11:32:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65225.D
Acq On : 14 Sep 2021 9:14 am
Operator : charleng
Sample : FA88736-21MSD Inst : MSVOA12
Misc : MS49752,VO2558,,,,,5
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 14 11:32:36 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

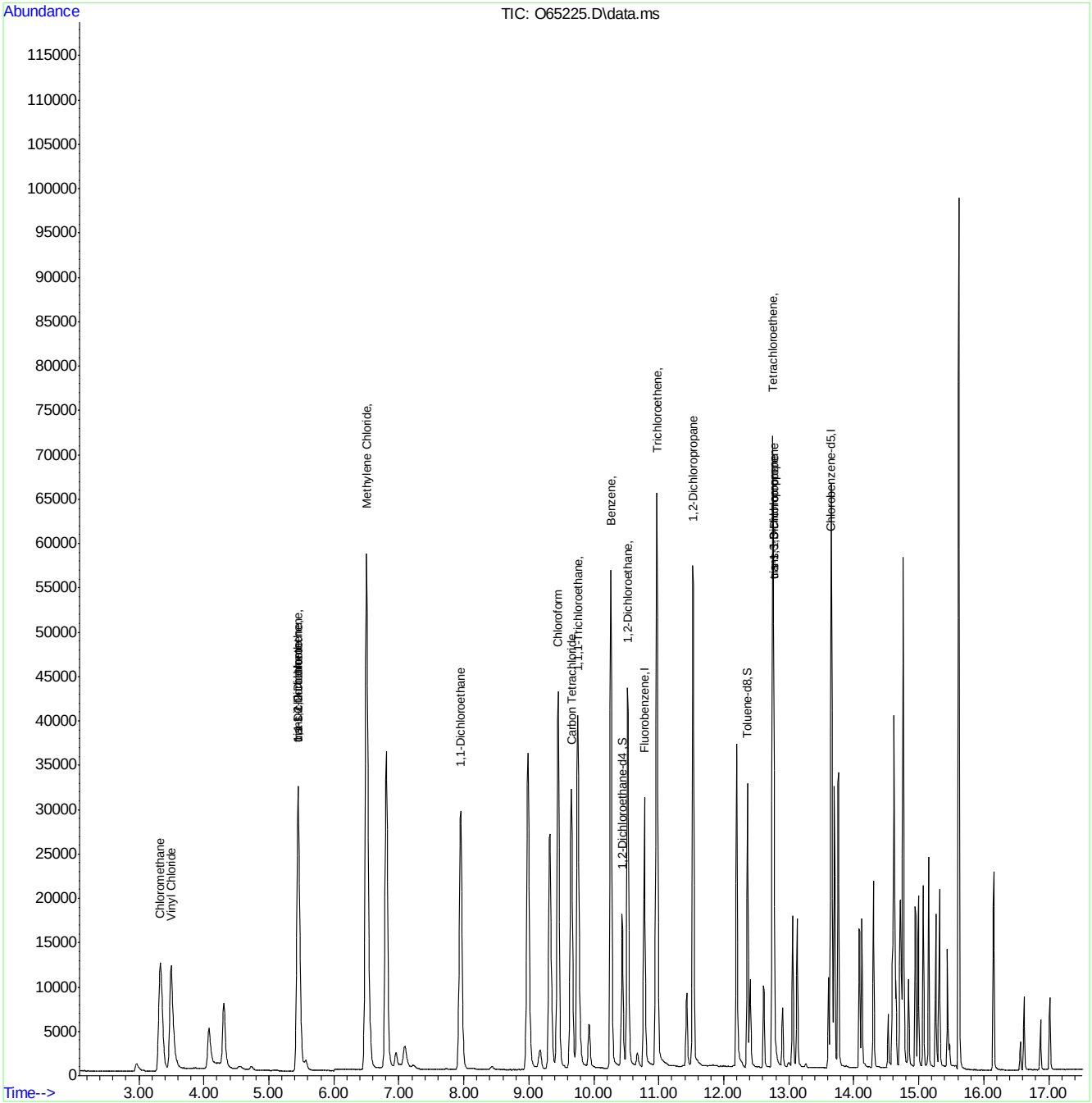
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35410	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25084	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15281	5.10	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.00%			
19) Toluene-d8	12.367	98	28090	4.79	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	30794	5.29	ug/L	99
3) Chloromethane	3.326	50	34693	4.75	ug/L	97
4) 1,1-Dichloroethene	5.448	61	46012	6.19	ug/L	81
5) Methylene Chloride	6.501	49	71084	7.22	ug/L	90
6) trans-1,2-Dichloroethene	5.448	61	46012	6.19	ug/L	77
7) 1,1-Dichloroethane	7.951	63	52197	6.29	ug/L	100
8) cis-1,2-Dichloroethene	5.448	96	22307	6.04	ug/L	92
9) Chloroform	9.450	83	48049	5.90	ug/L	97
10) Carbon Tetrachloride	9.656	117	29903	5.93	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	39146	6.06	ug/L	95
12) Benzene	10.267	78	88114	5.84	ug/L	99
14) 1,2-Dichloroethane	10.518	62	44426	5.72	ug/L	89
15) Trichloroethene	10.974	95	26518	5.72	ug/L	96
16) 1,2-Dichloropropane	11.525	63	27489	5.89	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	26092	4.85	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	26092	4.83	ug/L	95
21) Tetrachloroethene	12.752	166	23786	5.91	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65225.D
Acq On : 14 Sep 2021 9:14 am
Operator : charleng
Sample : FA88736-21MSD Inst : MSVOA12
Misc : MS49752,VO2558,,,,,5
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 14 11:32:36 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65252.D
Acq On : 14 Sep 2021 9:53 pm
Operator : CHARLENG
Sample : FA88736-33MS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 15 08:31:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

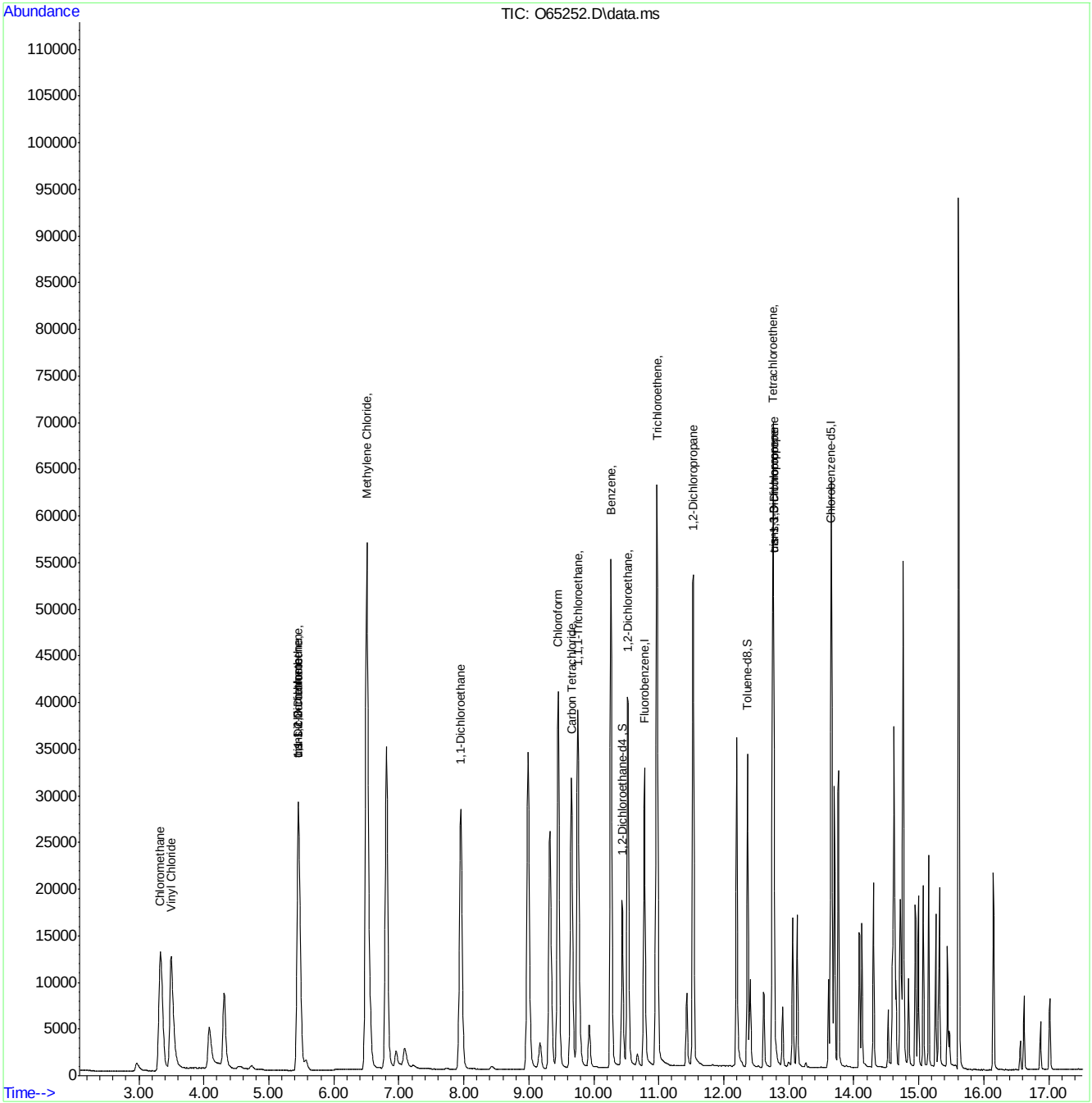
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36352	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25524	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15906	5.17	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.40%			
19) Toluene-d8	12.367	98	29470	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	32711	5.47	ug/L	98
3) Chloromethane	3.330	50	36470	4.87	ug/L	97
4) 1,1-Dichloroethene	5.452	61	43743	5.74	ug/L	81
5) Methylene Chloride	6.506	49	72314	7.16	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	43743	5.74	ug/L	77
7) 1,1-Dichloroethane	7.951	63	50041	5.88	ug/L	98
8) cis-1,2-Dichloroethene	5.452	96	21309	5.62	ug/L	91
9) Chloroform	9.450	83	45995	5.50	ug/L	99
10) Carbon Tetrachloride	9.656	117	28759	5.56	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	37303	5.62	ug/L	96
12) Benzene	10.267	78	83167	5.37	ug/L	100
14) 1,2-Dichloroethane	10.518	62	42056	5.27	ug/L	88
15) Trichloroethene	10.974	95	25166	5.28	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25907	5.41	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	25446	4.61	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	25446	4.63	ug/L	95
21) Tetrachloroethene	12.752	166	22405	5.47	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65252.D
Acq On : 14 Sep 2021 9:53 pm
Operator : CHARLENG
Sample : FA88736-33MS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 15 08:31:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65253.D
Acq On : 14 Sep 2021 10:15 pm
Operator : CHARLENG
Sample : FA88736-33MSD Inst : MSVOA12
Misc : MS49752,VO2559,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 15 08:31:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

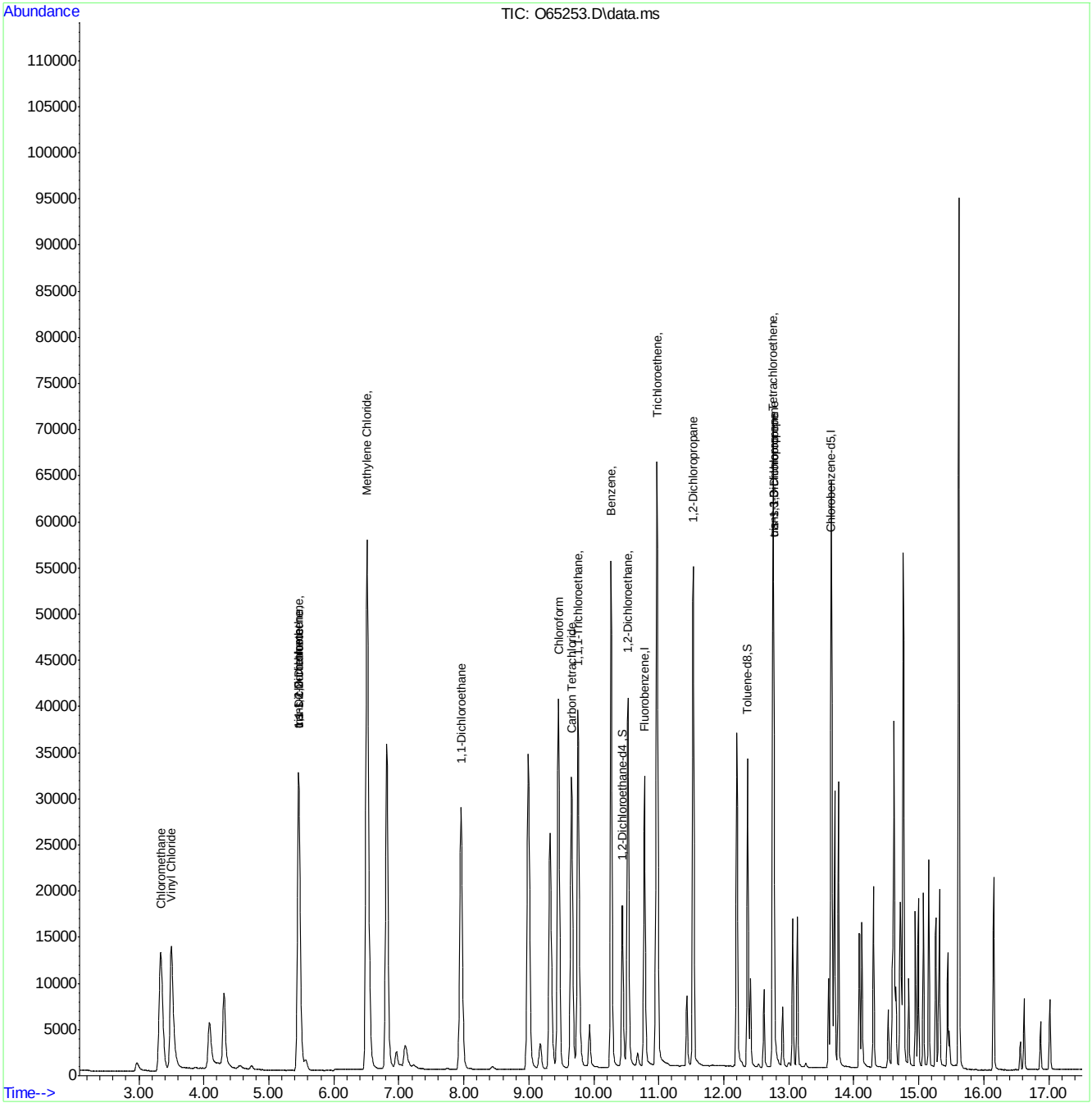
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36177	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25835	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16082	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	29763	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	32792	5.51	ug/L	99
3) Chloromethane	3.335	50	35543	4.77	ug/L	97
4) 1,1-Dichloroethene	5.456	61	43594	5.74	ug/L	81
5) Methylene Chloride	6.512	49	68102	6.77	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	43594	5.74	ug/L	77
7) 1,1-Dichloroethane	7.957	63	49620	5.86	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	21069	5.58	ug/L	92
9) Chloroform	9.456	83	45386	5.45	ug/L	97
10) Carbon Tetrachloride	9.657	117	28689	5.57	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	36725	5.56	ug/L	94
12) Benzene	10.268	78	82401	5.34	ug/L	98
14) 1,2-Dichloroethane	10.525	62	41566	5.24	ug/L	91
15) Trichloroethene	10.974	95	26041	5.49	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25673	5.38	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	26335	4.79	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	26335	4.73	ug/L	95
21) Tetrachloroethene	12.752	166	22316	5.39	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65253.D
Acq On : 14 Sep 2021 10:15 pm
Operator : CHARLENG
Sample : FA88736-33MSD Inst : MSVOA12
Misc : MS49752,VO2559,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 15 08:31:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

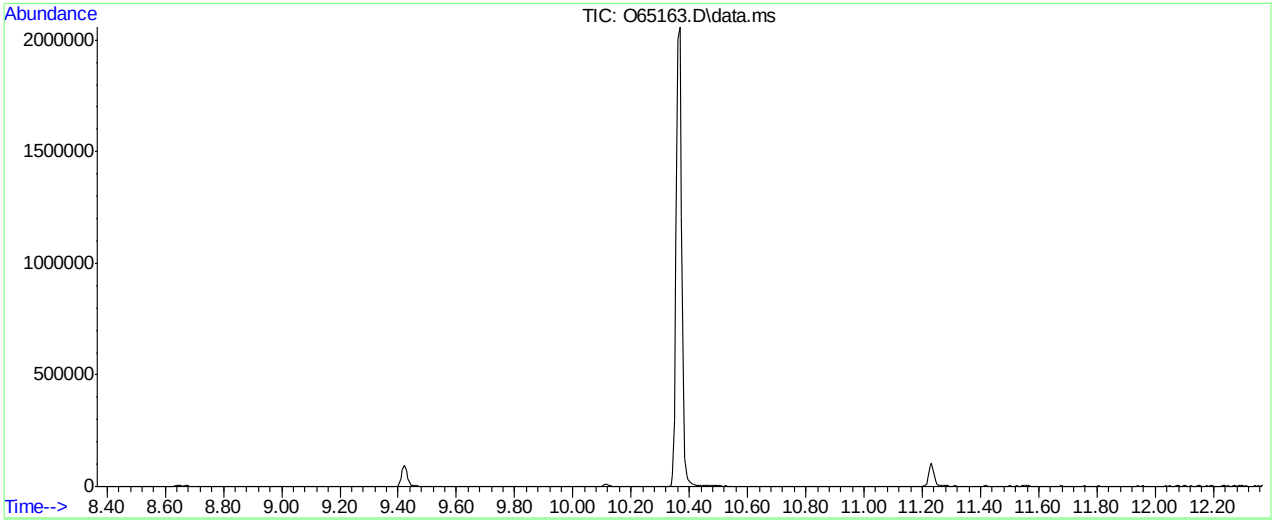


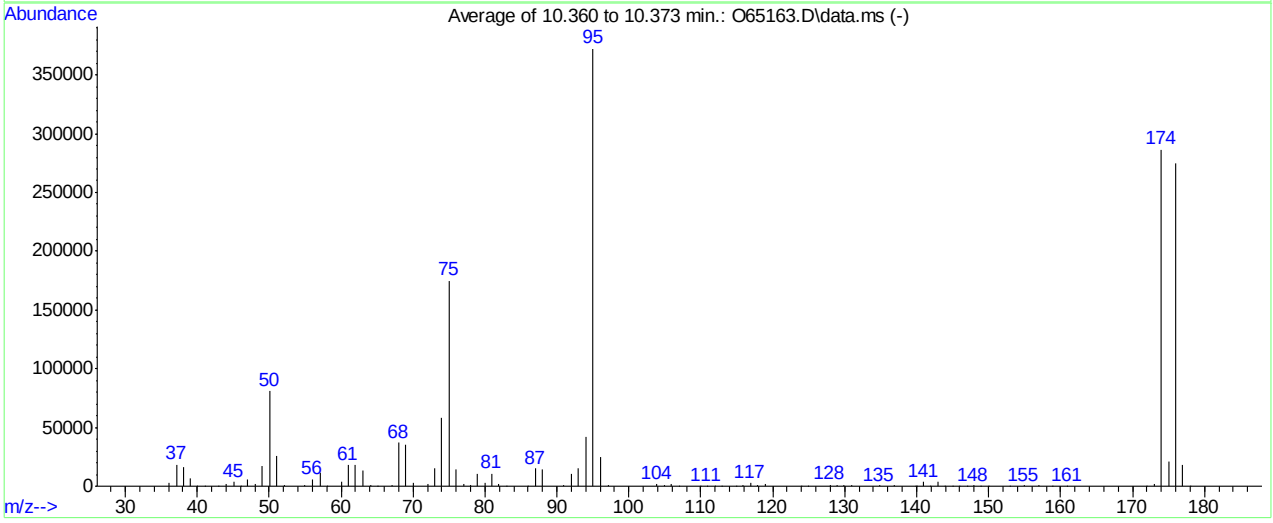
SIMCL-09-13-2021.M Wed Sep 15 09:11:40 2021 Page: 2

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-13\O65163.D Vial: 2
Acq On : 13 Sep 2021 9:16 am Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2556,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

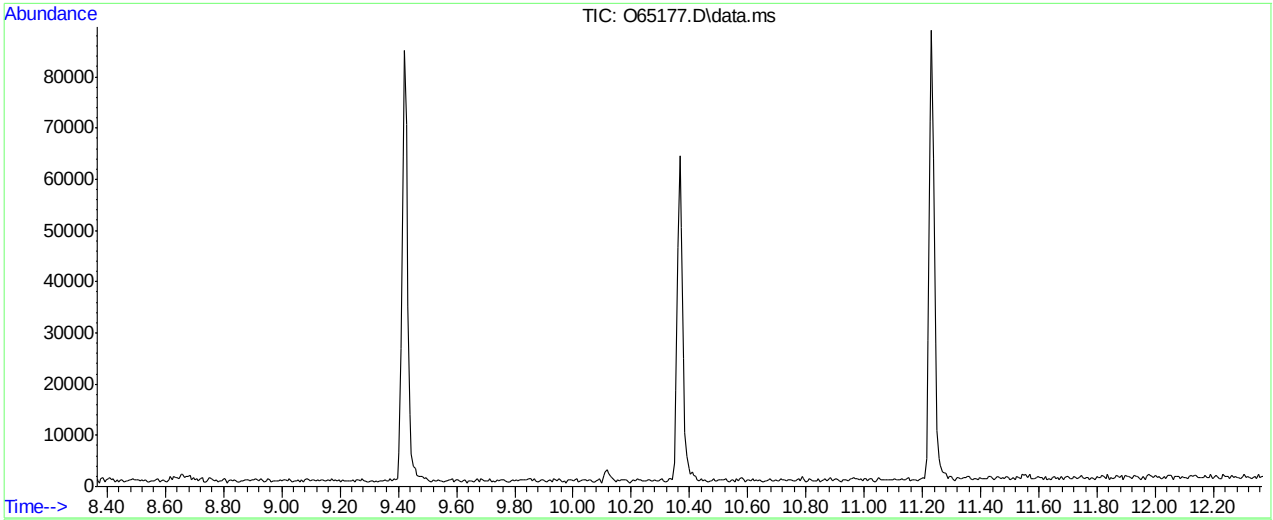
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	81085	PASS
75	95	30	60	46.9	174832	PASS
95	95	100	100	100.0	372501	PASS
96	95	5	9	6.6	24464	PASS
173	174	0.00	2	0.8	2200	PASS
174	95	50	100	76.9	286592	PASS
175	174	5	9	7.2	20630	PASS
176	174	95	101	95.8	274475	PASS
177	176	5	9	6.5	17869	PASS

O65163.D SIMCL-09-13-2021.M Mon Sep 13 11:57:31 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-13\O65177.D Vial: 2
Acq On : 13 Sep 2021 2:41 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2557,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 696

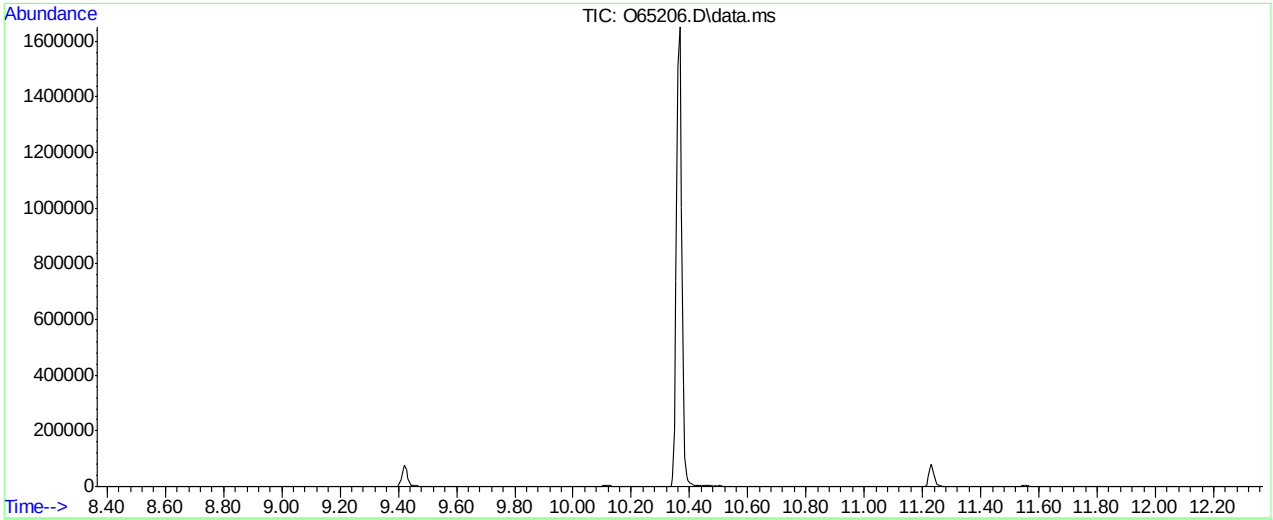
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	2728	PASS
75	95	30	60	51.2	5782	PASS
95	95	100	100	100.0	11292	PASS
96	95	5	9	7.9	895	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.4	7726	PASS
175	174	5	9	7.4	571	PASS
176	174	95	101	100.1	7730	PASS
177	176	5	9	7.3	561	PASS

O65177.D SIMCL-09-13-2021.M Mon Sep 13 14:54:45 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-13\O65206.D Vial: 31
Acq On : 14 Sep 2021 1:54 am Operator: charleng
Sample : BFB Inst : MSVOA12
Misc : MS49714,VO2558,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

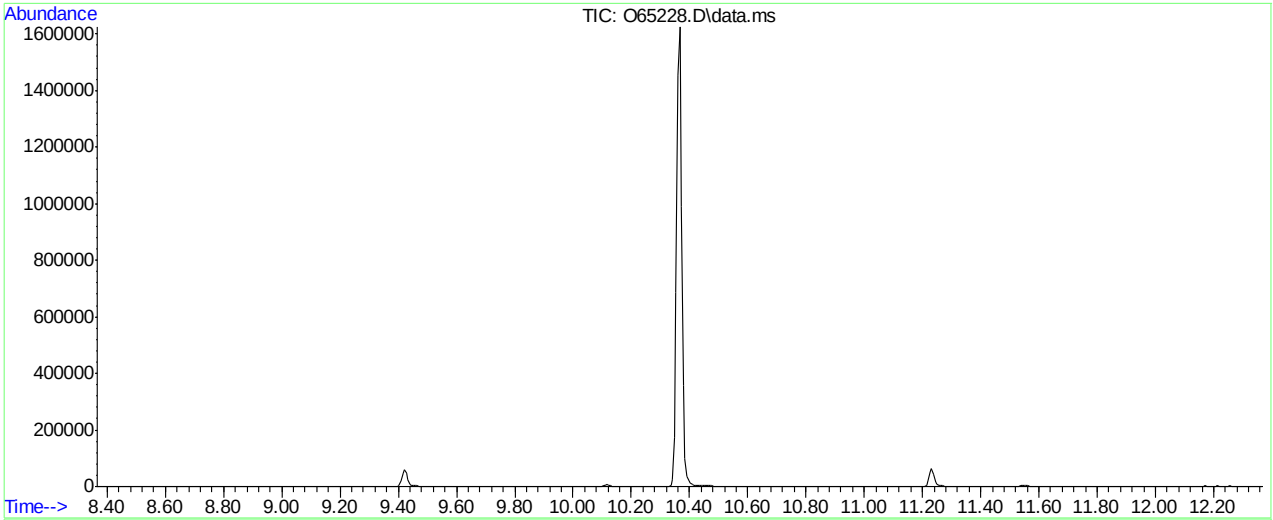
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	67245	PASS
75	95	30	60	47.9	140501	PASS
95	95	100	100	100.0	293120	PASS
96	95	5	9	6.7	19747	PASS
173	174	0.00	2	0.8	1758	PASS
174	95	50	100	74.5	218517	PASS
175	174	5	9	7.2	15762	PASS
176	174	95	101	96.3	210496	PASS
177	176	5	9	6.7	14058	PASS

O65206.D SIMCL-09-13-2021.M Tue Sep 14 11:31:35 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-14\O65228.D Vial: 2
Acq On : 14 Sep 2021 12:38 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 695

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	65659	PASS
75	95	30	60	48.6	138499	PASS
95	95	100	100	100.0	284821	PASS
96	95	5	9	6.7	19080	PASS
173	174	0.00	2	0.8	1729	PASS
174	95	50	100	74.7	212736	PASS
175	174	5	9	7.5	15955	PASS
176	174	95	101	96.9	206144	PASS
177	176	5	9	6.4	13267	PASS

O65228.D SIMCL-09-13-2021.M Tue Sep 14 13:28:50 2021

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 09:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

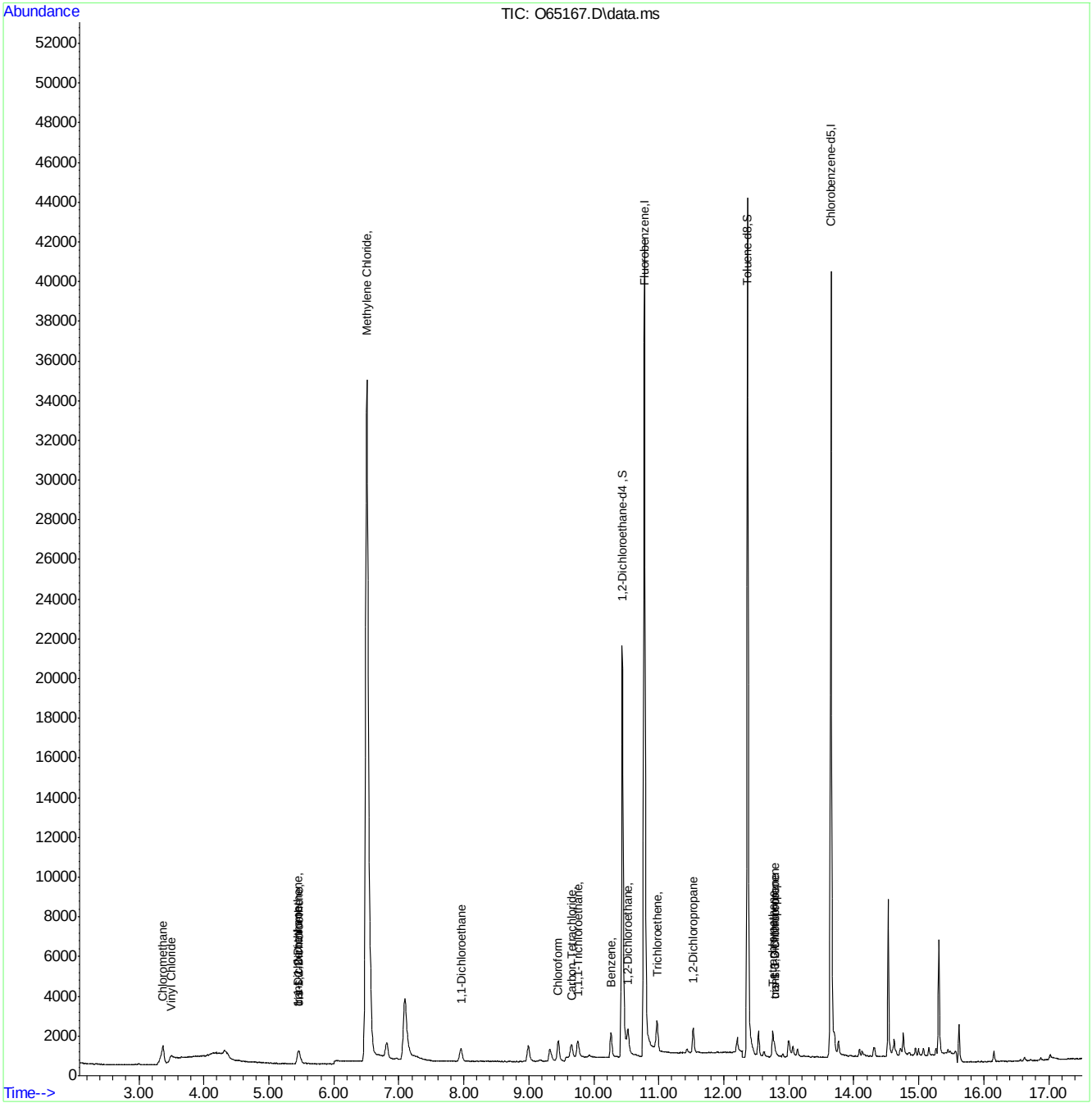
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	48626	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	34582	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	20529	5.25	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%				
19) Toluene-d8	12.367	98	39527	4.68	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.498	62	861	0.13	ug/L		92
3) Chloromethane	3.368	50	2392	0.30	ug/L		81
4) 1,1-Dichloroethene	5.452	61	992	0.11	ug/L		83
5) Methylene Chloride	6.506	49	43813	4.41	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	992	0.11	ug/L		79
7) 1,1-Dichloroethane	7.956	63	1118	0.12	ug/L		97
8) cis-1,2-Dichloroethene	5.460	96	516	0.12	ug/L	#	76
9) Chloroform	9.450	83	1196m	0.13	ug/L		
10) Carbon Tetrachloride	9.656	117	637m	0.12	ug/L		
11) 1,1,1-Trichloroethane	9.758	97	831	0.11	ug/L		94
12) Benzene	10.267	78	2177	0.13	ug/L		100
14) 1,2-Dichloroethane	10.525	62	1108	0.12	ug/L		90
15) Trichloroethene	10.974	95	597	0.11	ug/L		92
16) 1,2-Dichloropropane	11.531	63	633	0.12	ug/L		87
17) cis-1,3-Dichloropropene	12.780	75	672	0.11	ug/L		96
20) trans-1,3-Dichloropropene	12.780	75	672	0.11	ug/L		99
21) Tetrachloroethene	12.752	166	556	0.12	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

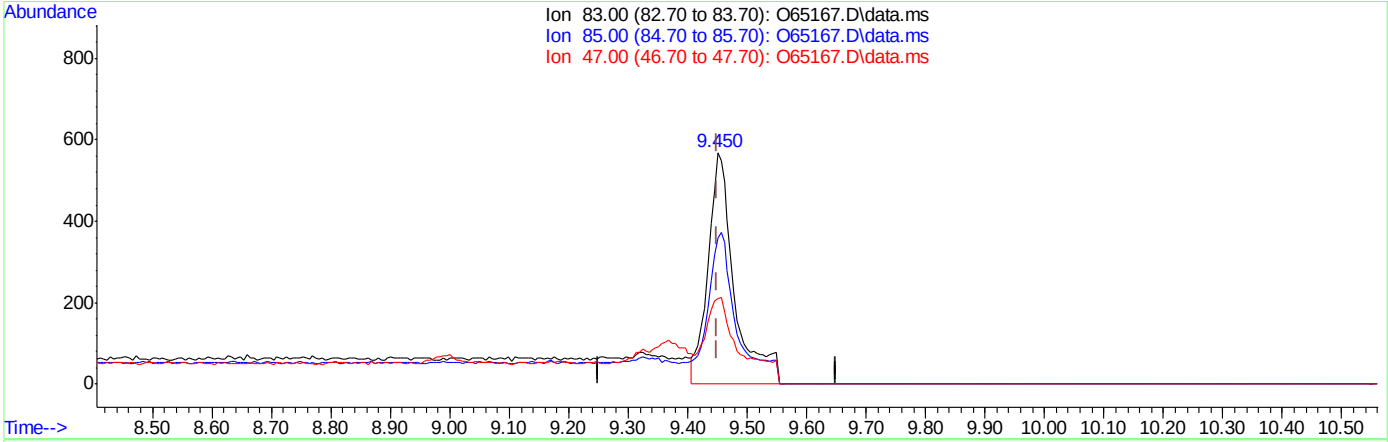
Sample Number:	VO2556-IC2556	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65167.D	**Analyst approved:**	09/13/21 14:13 Charlene Gonzalez
Injection Time:	09/13/21 10:50	**Supervisor approved:**	09/14/21 09:43 Chelsea VanDenBurg

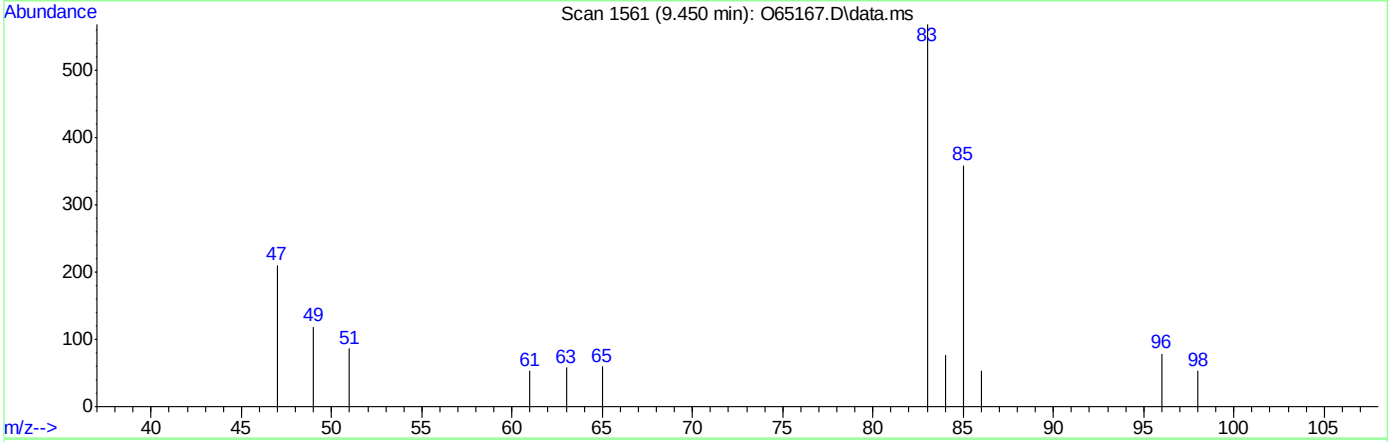
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.19ug/L

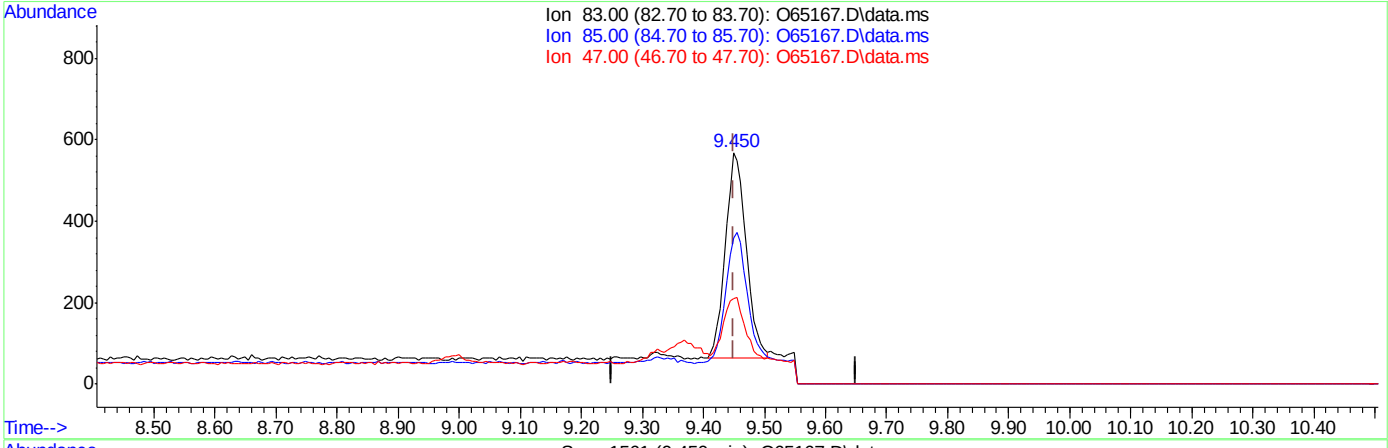
response 1780

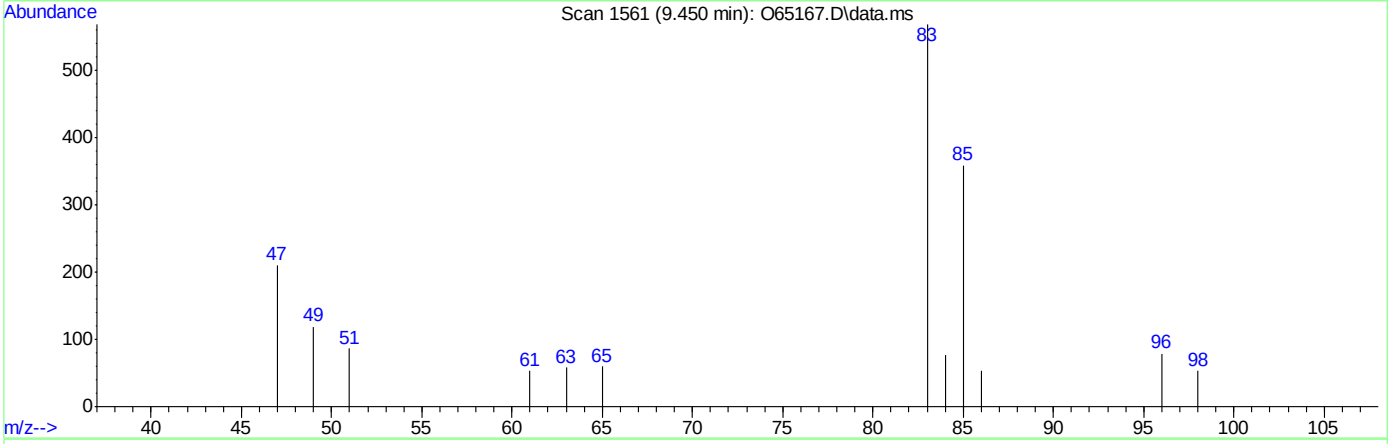
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.09
47.00	35.10	37.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.13ug/L m

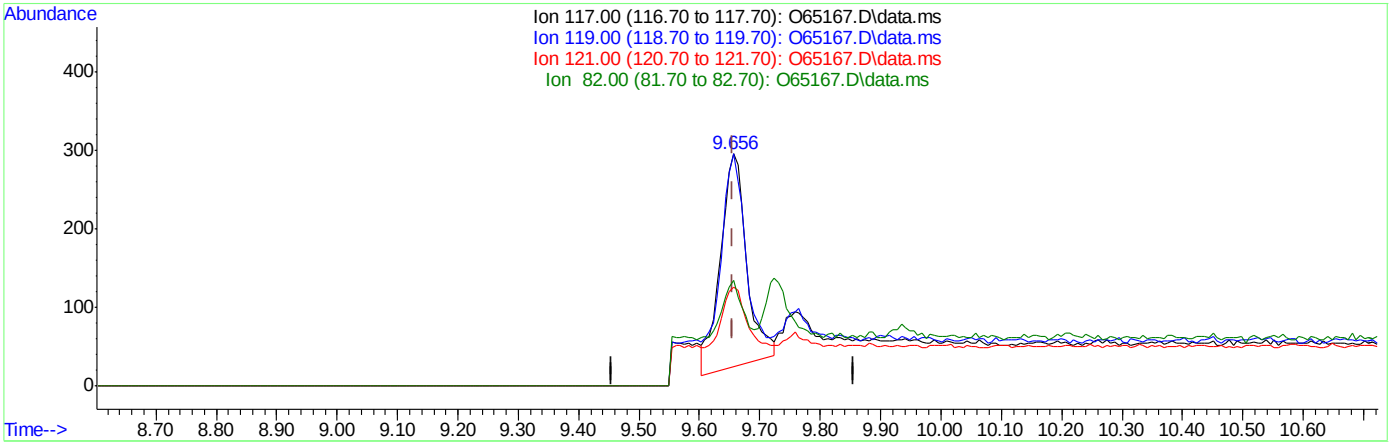
response 1196

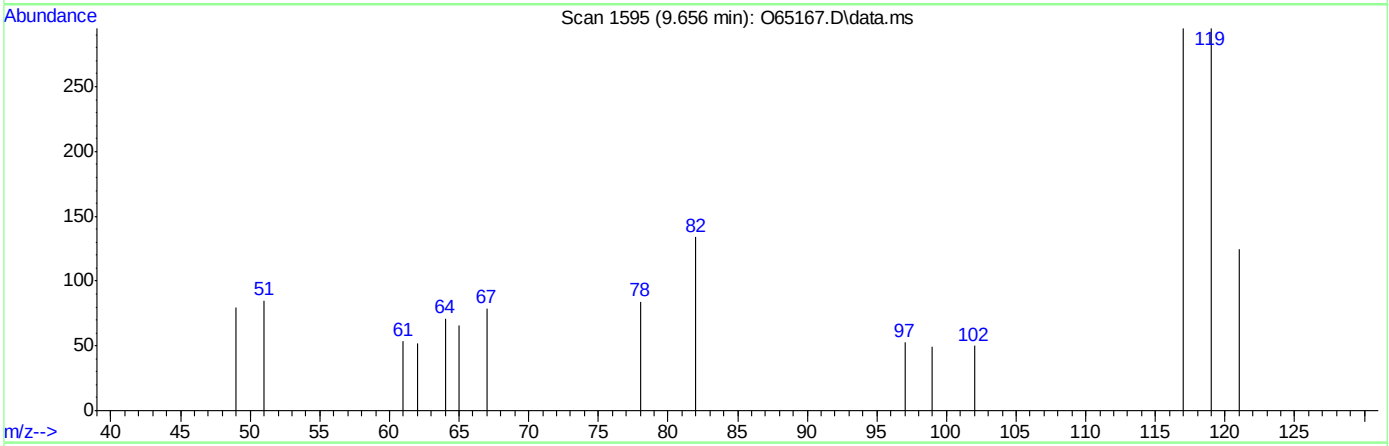
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.09
47.00	35.10	37.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.15ug/L

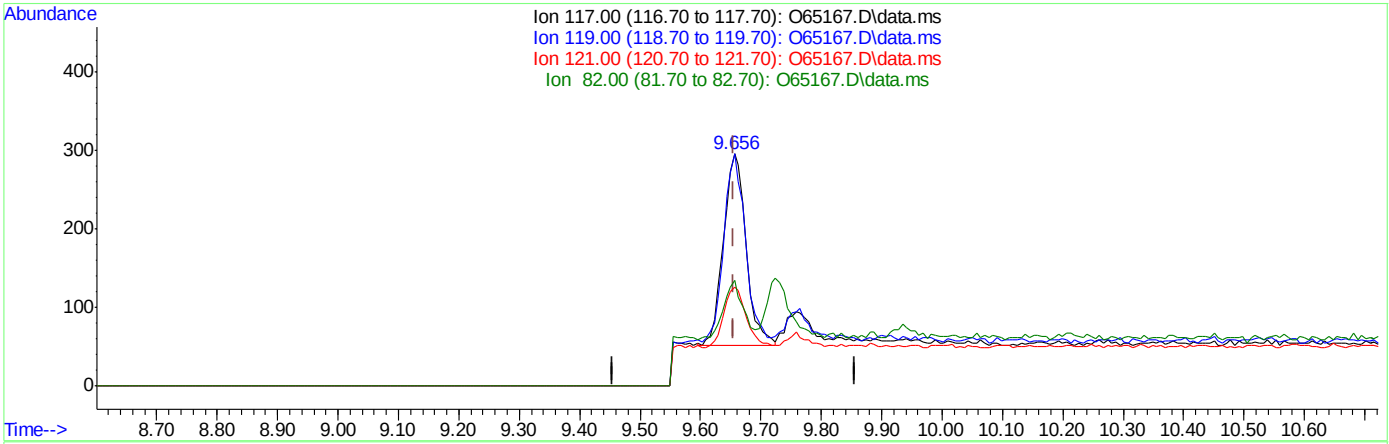
response 828

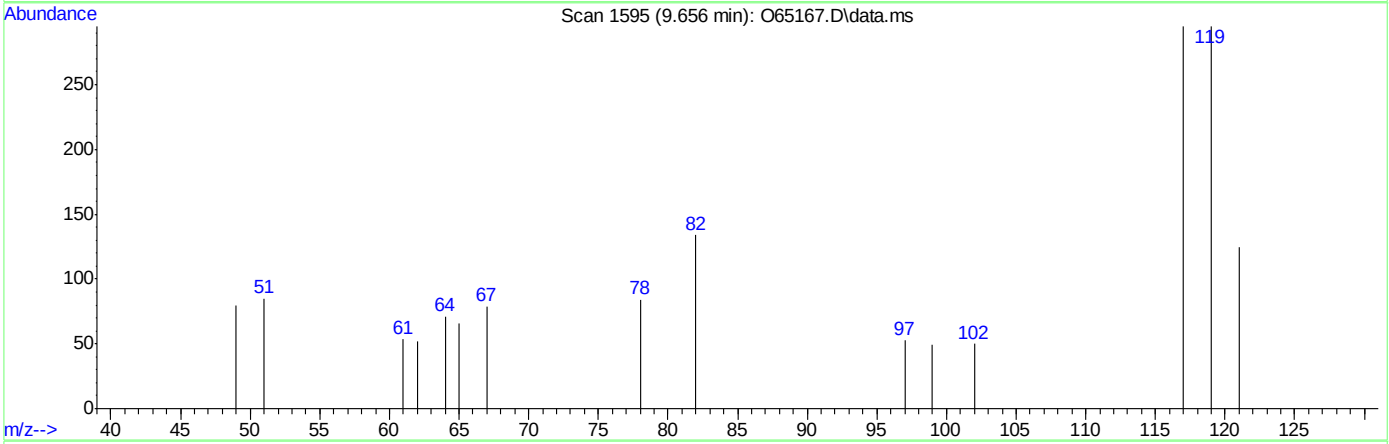
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.95
121.00	31.10	31.56
82.00	24.20	29.92

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.12ug/L m

response 637

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	42.37
82.00	24.20	45.42

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 09:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration

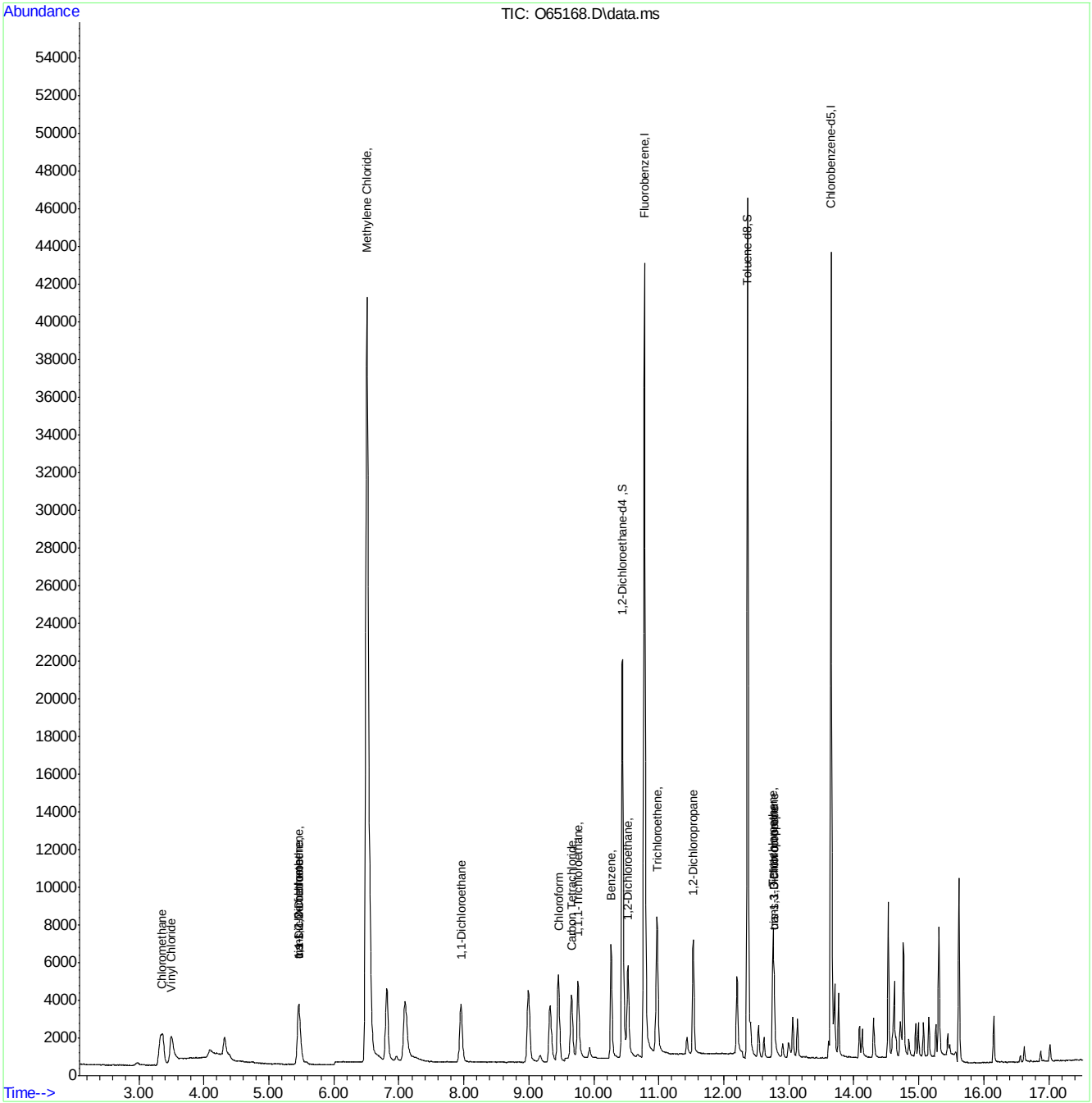
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	49670	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33952	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	21281	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	12.367	98	40296	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	3768	0.56	ug/L	99
3) Chloromethane	3.356	50	6037	0.75	ug/L	94
4) 1,1-Dichloroethene	5.456	61	4779	0.53	ug/L	83
5) Methylene Chloride	6.506	49	51785	5.11	ug/L	93
6) trans-1,2-Dichloroethene	5.456	61	4779	0.53	ug/L	79
7) 1,1-Dichloroethane	7.957	63	5509	0.56	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	2377	0.52	ug/L	88
9) Chloroform	9.456	83	5246m	0.54	ug/L	
10) Carbon Tetrachloride	9.657	117	3190m	0.56	ug/L	
11) 1,1,1-Trichloroethane	9.758	97	4163	0.54	ug/L	95
12) Benzene	10.267	78	9807	0.53	ug/L	98
14) 1,2-Dichloroethane	10.525	62	5109	0.54	ug/L	92
15) Trichloroethene	10.974	95	3075	0.57	ug/L	95
16) 1,2-Dichloropropane	11.531	63	3073	0.55	ug/L	89
17) cis-1,3-Dichloropropene	12.774	75	3095	0.48	ug/L	97
20) trans-1,3-Dichloropropene	12.774	75	3095	0.49	ug/L	96
21) Tetrachloroethene	12.752	166	2608	0.55	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration



Manual Integration Approval Summary

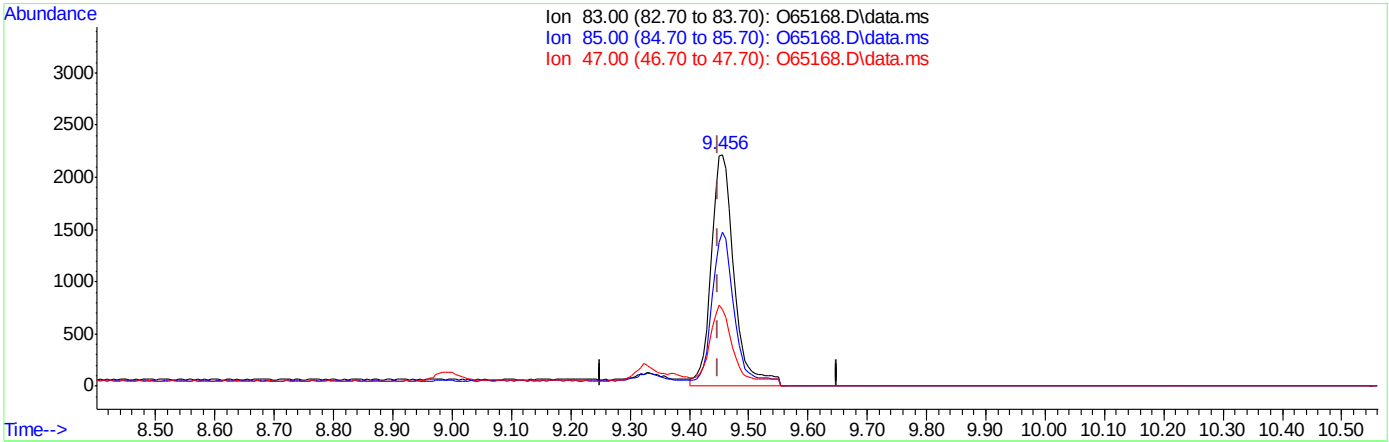
Sample Number: VO2556-IC2556
Lab FileID: O65168.D
Injection Time: 09/13/21 11:13
Method: SW846 8260B BY SIM
Analyst approved: 09/13/21 14:13 Charlene Gonzalez
Supervisor approved: 09/14/21 09:43 Chelsea VanDenBurg

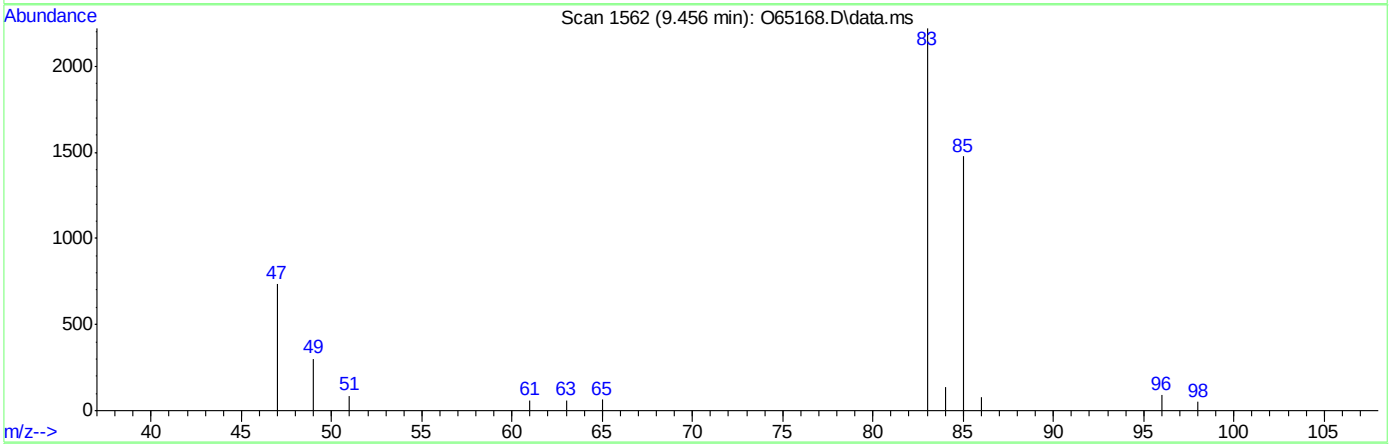
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.61ug/L

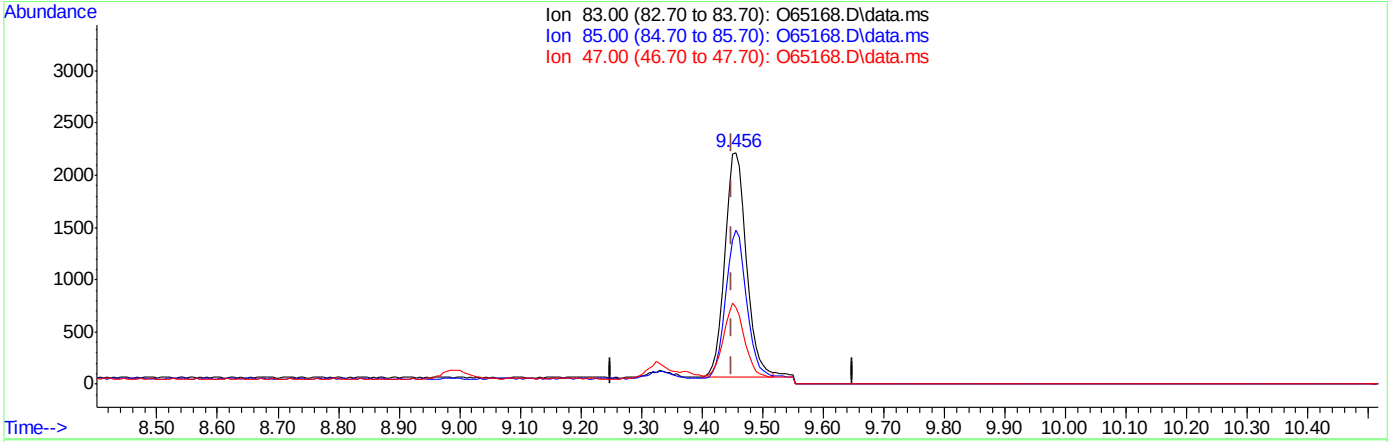
response 5930

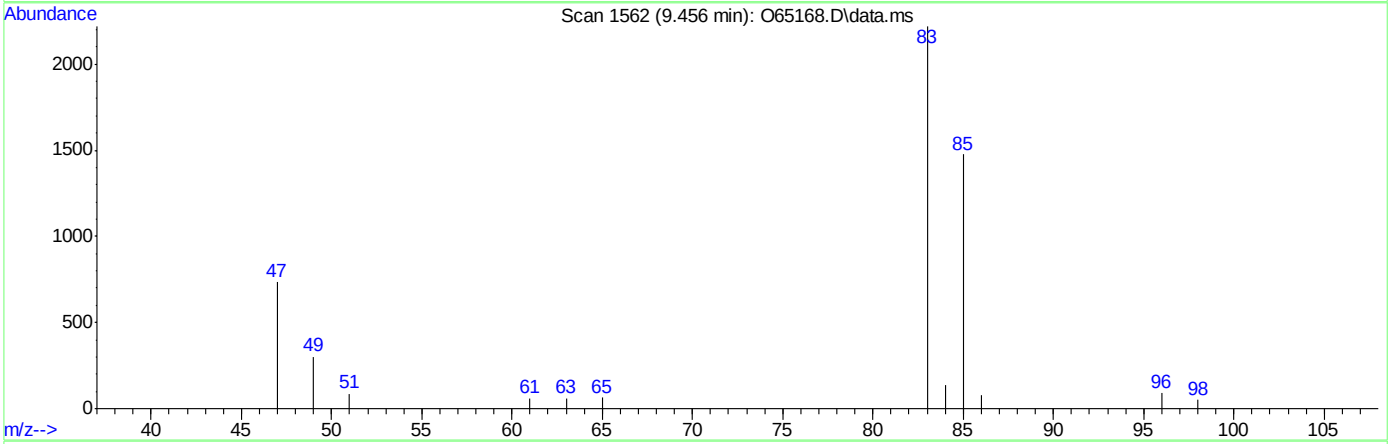
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.47
47.00	35.10	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.54ug/L m

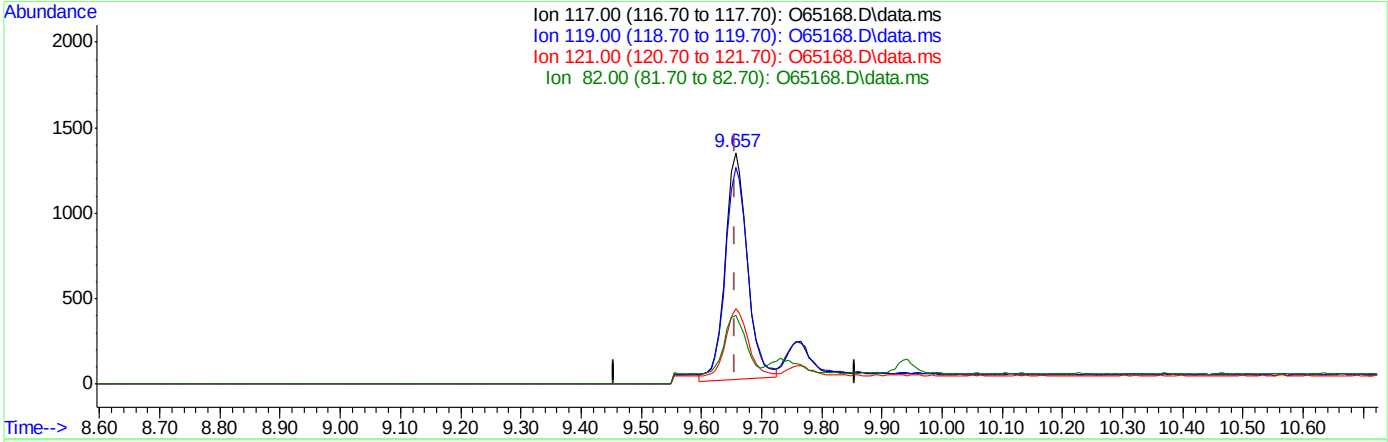
response 5246

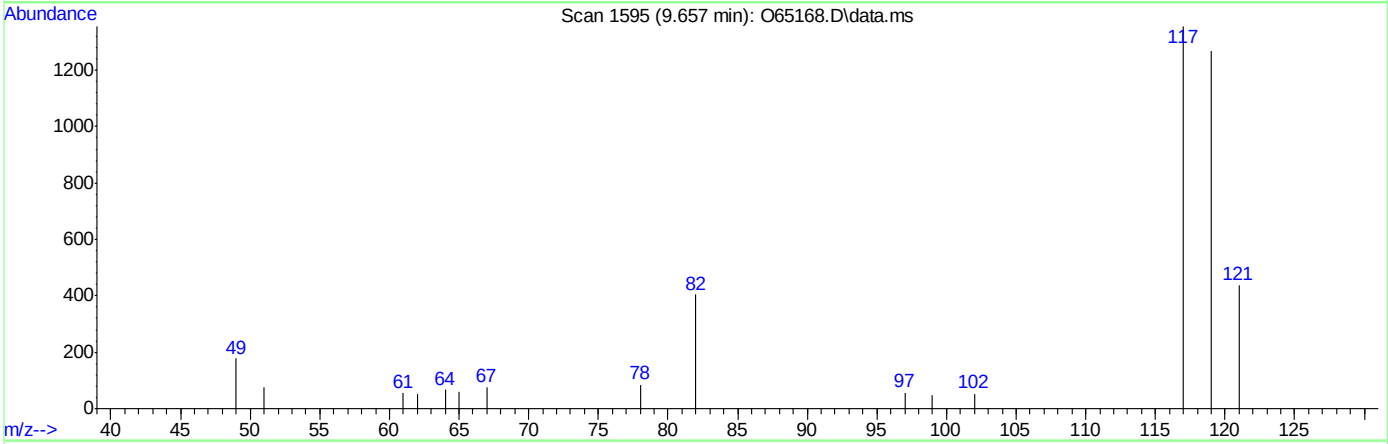
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.47
47.00	35.10	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.59ug/L

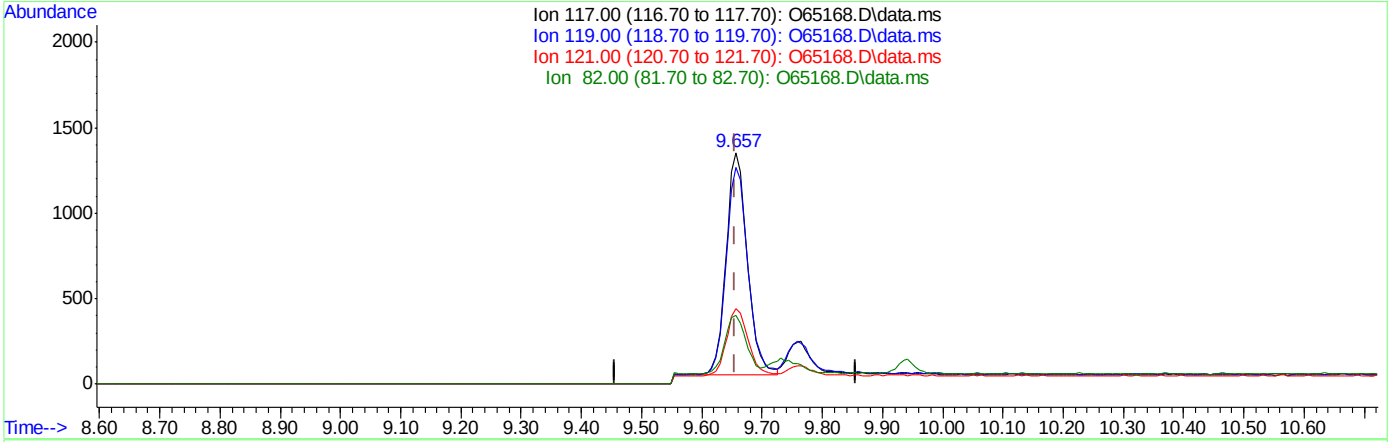
response 3379

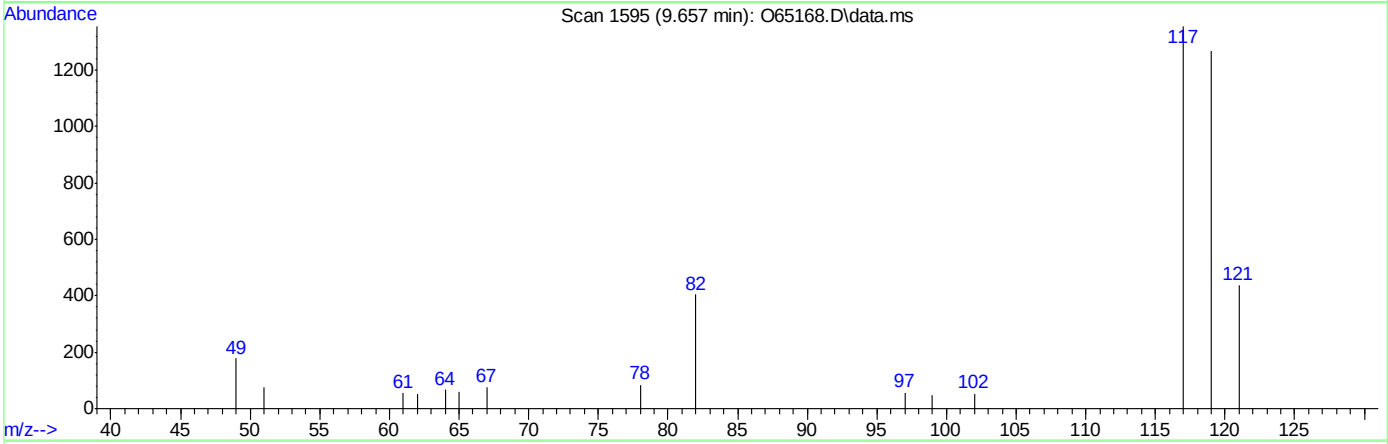
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.08
121.00	31.10	29.98
82.00	24.20	26.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.56ug/L m

response 3190

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.58
121.00	31.10	32.40
82.00	24.20	29.89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65169.D
Acq On : 13 Sep 2021 11:36 am
Operator : charleng
Sample : IC2556-3 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 11:58:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:36:40 2021
Response via : Initial Calibration

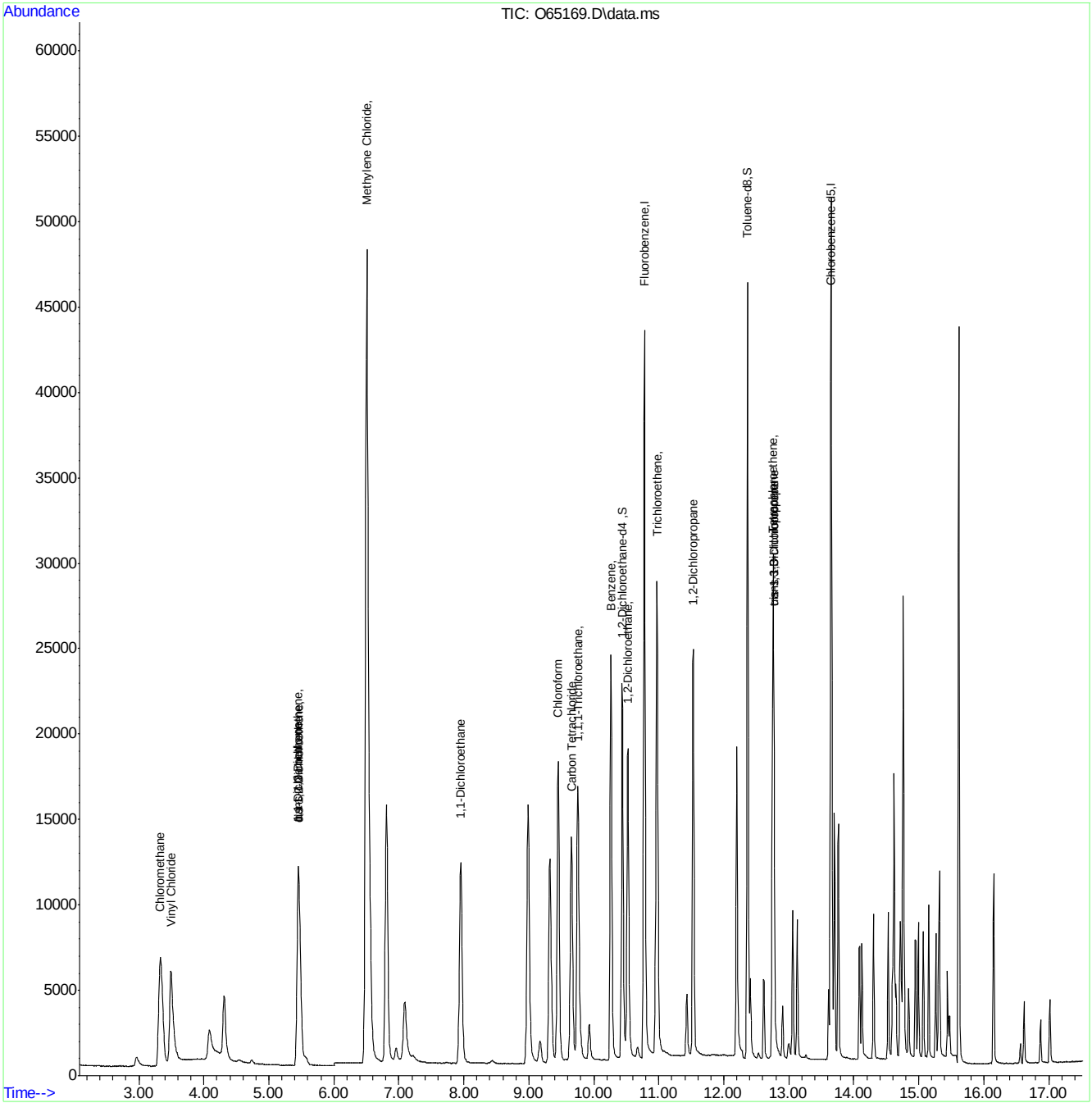
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	49149	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33938	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20520	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	40746	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	14676	2.15	ug/L	99
3) Chloromethane	3.330	50	19705	2.46	ug/L	97
4) 1,1-Dichloroethene	5.452	61	18304	2.00	ug/L	83
5) Methylene Chloride	6.506	49	63694	6.24	ug/L	94
6) trans-1,2-Dichloroethene	5.452	61	18304	2.00	ug/L	79
7) 1,1-Dichloroethane	7.951	63	20846	2.09	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	9064	1.99	ug/L	87
9) Chloroform	9.450	83	20840	2.11	ug/L	98
10) Carbon Tetrachloride	9.656	117	12456	2.14	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	16093	2.05	ug/L	96
12) Benzene	10.267	78	37028	2.00	ug/L	100
14) 1,2-Dichloroethane	10.525	62	19735	2.08	ug/L	92
15) Trichloroethene	10.974	95	11802	2.15	ug/L	95
16) 1,2-Dichloropropane	11.531	63	11790	2.09	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	12921	2.01	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	12921	2.02	ug/L	97
21) Tetrachloroethene	12.752	166	9826	2.02	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65169.D
Acq On : 13 Sep 2021 11:36 am
Operator : charleng
Sample : IC2556-3 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 11:58:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:36:40 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65170.D
Acq On : 13 Sep 2021 11:59 am
Operator : charleng
Sample : IC2556-4 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:47:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:58:54 2021
Response via : Initial Calibration

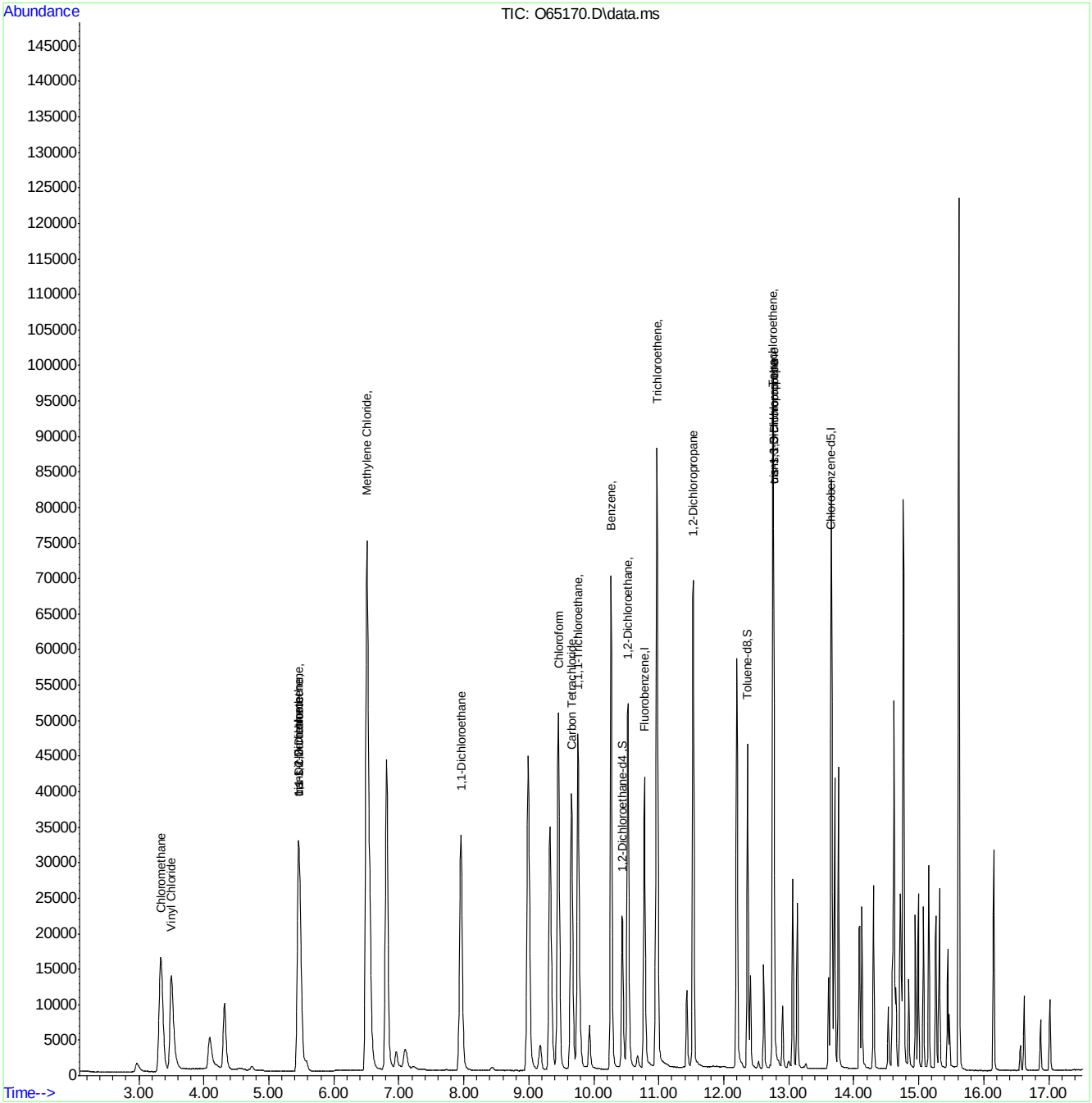
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47309	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33556	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19906	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	39758	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	36548	5.38	ug/L	98
3) Chloromethane	3.335	50	47095	6.02	ug/L	97
4) 1,1-Dichloroethene	5.456	61	53880	6.10	ug/L	82
5) Methylene Chloride	6.506	49	106387	10.65	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	53880	6.10	ug/L	78
7) 1,1-Dichloroethane	7.957	63	59592	6.11	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	26437	5.99	ug/L	90
9) Chloroform	9.456	83	58007	6.02	ug/L	97
10) Carbon Tetrachloride	9.657	117	36621	6.42	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	46707	6.11	ug/L	96
12) Benzene	10.267	78	107450	5.99	ug/L	99
14) 1,2-Dichloroethane	10.525	62	55440	5.98	ug/L	91
15) Trichloroethene	10.974	95	35161	6.53	ug/L	95
16) 1,2-Dichloropropane	11.531	63	33507	6.07	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	39511	6.29	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	39511	6.15	ug/L	95
21) Tetrachloroethene	12.752	166	28907	5.96	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65170.D
Acq On : 13 Sep 2021 11:59 am
Operator : charleng
Sample : IC2556-4 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:47:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:58:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65171.D
Acq On : 13 Sep 2021 12:22 pm
Operator : charleng
Sample : ICC2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:47:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:25 2021
Response via : Initial Calibration

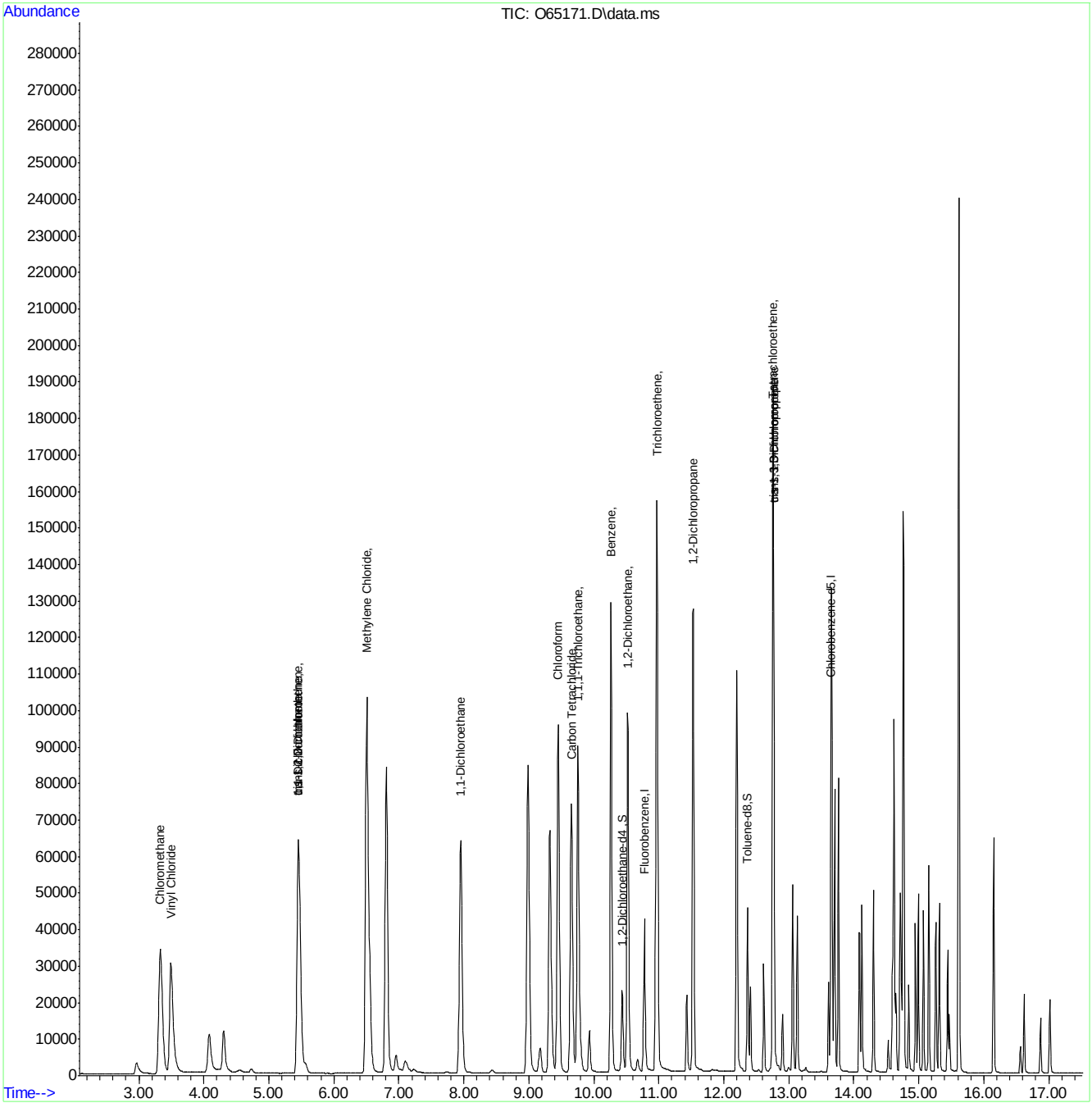
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	46998	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33237	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19779	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	38392	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	80669	11.63	ug/L	98
3) Chloromethane	3.326	50	96470	12.15	ug/L	97
4) 1,1-Dichloroethene	5.452	61	101252	11.06	ug/L	82
5) Methylene Chloride	6.507	49	140052	13.09	ug/L	94
6) trans-1,2-Dichloroethene	5.452	61	101252	11.06	ug/L	79
7) 1,1-Dichloroethane	7.951	63	110996	10.97	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	49895	10.93	ug/L	90
9) Chloroform	9.450	83	107138	10.75	ug/L	98
10) Carbon Tetrachloride	9.657	117	69143	11.46	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	88369	11.15	ug/L	96
12) Benzene	10.267	78	199160	10.74	ug/L	99
14) 1,2-Dichloroethane	10.519	62	101692	10.64	ug/L	90
15) Trichloroethene	10.974	95	62815	11.09	ug/L	96
16) 1,2-Dichloropropane	11.531	63	62053	10.86	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	74526	11.36	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	74526	11.22	ug/L	95
21) Tetrachloroethene	12.752	166	53928	10.79	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65171.D
Acq On : 13 Sep 2021 12:22 pm
Operator : charleng
Sample : ICC2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:47:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:25 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65172.D
Acq On : 13 Sep 2021 12:45 pm
Operator : charleng
Sample : IC2556-6 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 13:09:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:41 2021
Response via : Initial Calibration

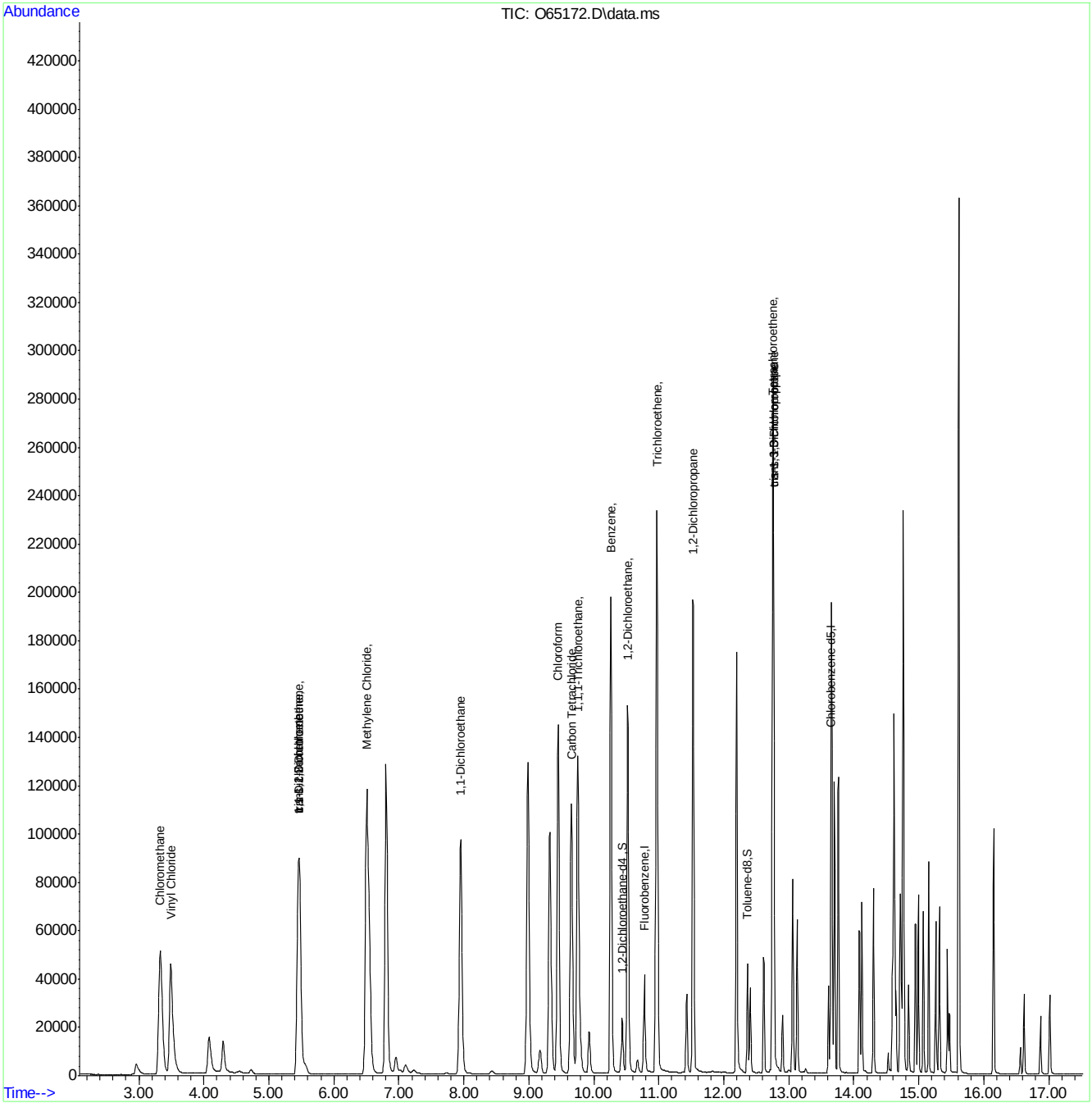
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45949	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32816	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19593	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	37783	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	120240	17.16	ug/L	99
3) Chloromethane	3.326	50	144541	13.25	ug/L	97
4) 1,1-Dichloroethene	5.460	61	151747	16.64	ug/L	83
5) Methylene Chloride	6.501	49	190151	2.25	ug/L	91
6) trans-1,2-Dichloroethene	5.460	61	151747	16.64	ug/L	79
7) 1,1-Dichloroethane	7.951	63	167299	16.53	ug/L	99
8) cis-1,2-Dichloroethene	5.465	96	74870	16.48	ug/L	88
9) Chloroform	9.450	83	160648	16.11	ug/L	98
10) Carbon Tetrachloride	9.656	117	105703	17.53	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	133261	16.87	ug/L	97
12) Benzene	10.267	78	303208	16.40	ug/L	98
14) 1,2-Dichloroethane	10.518	62	154513	16.21	ug/L	89
15) Trichloroethene	10.974	95	91733	16.20	ug/L	96
16) 1,2-Dichloropropane	11.525	63	94185	16.50	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	116118	17.80	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	116118	17.45	ug/L	94
21) Tetrachloroethene	12.752	166	80603	16.07	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65172.D
Acq On : 13 Sep 2021 12:45 pm
Operator : charleng
Sample : IC2556-6 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 13:09:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:41 2021
Response via : Initial Calibration



SIMCL-09-13-2021.M Mon Sep 13 14:13:41 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65173.D
Acq On : 13 Sep 2021 1:08 pm
Operator : charleng
Sample : IC2556-7 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 13:27:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:09:28 2021
Response via : Initial Calibration

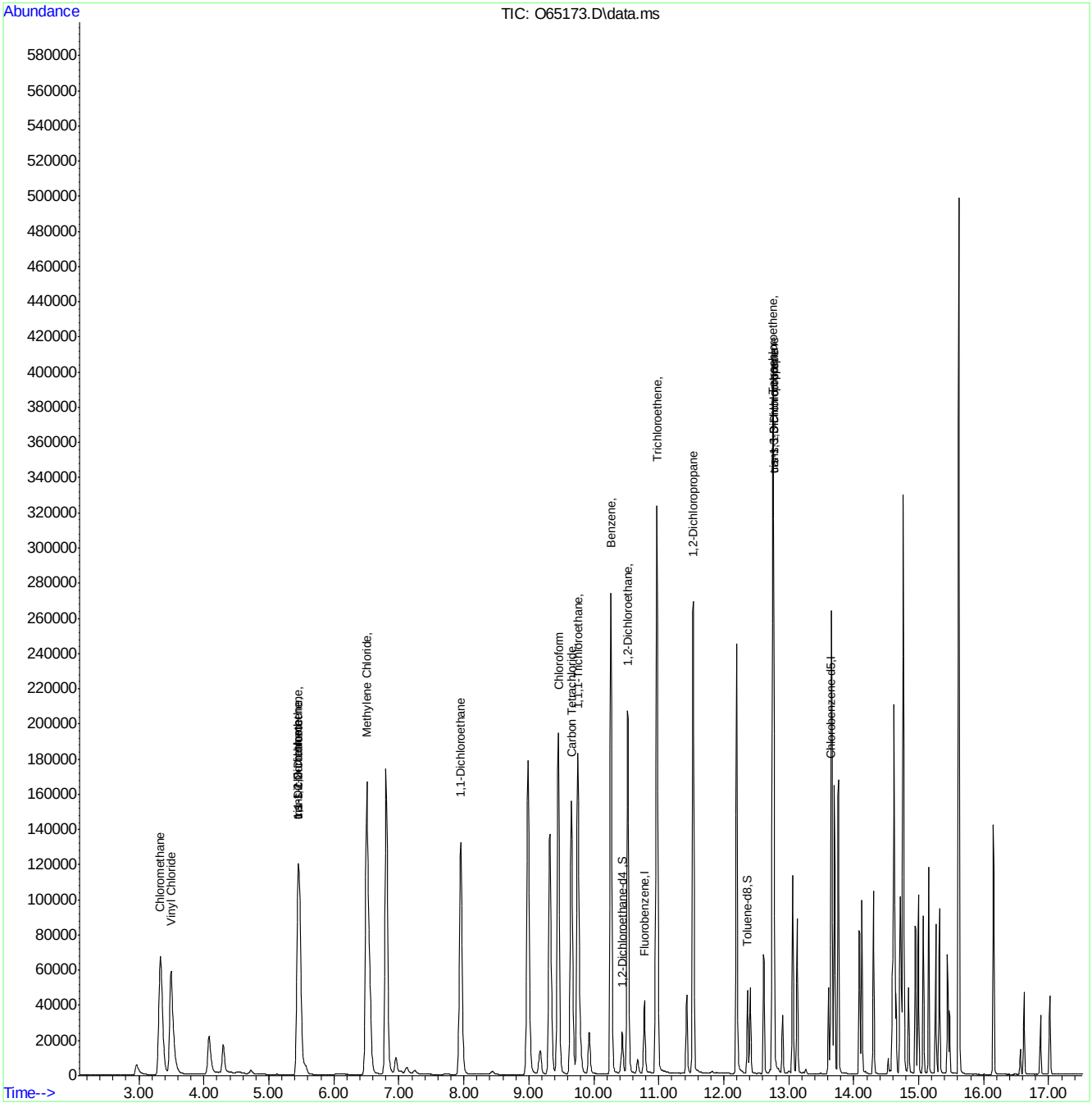
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	46529	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33286	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19880	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	38434	4.91	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	161097	21.78	ug/L	99
3) Chloromethane	3.331	50	190975	16.75	ug/L	97
4) 1,1-Dichloroethene	5.452	61	206852	21.75	ug/L	83
5) Methylene Chloride	6.506	49	241743	2.81	ug/L	95
6) trans-1,2-Dichloroethene	5.452	61	206852	21.75	ug/L	79
7) 1,1-Dichloroethane	7.951	63	227894	21.54	ug/L	98
8) cis-1,2-Dichloroethene	5.452	96	102370	21.62	ug/L	89
9) Chloroform	9.456	83	218393	21.00	ug/L	96
10) Carbon Tetrachloride	9.657	117	143915	22.54	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	182440	22.11	ug/L	97
12) Benzene	10.267	78	415627	21.55	ug/L	99
14) 1,2-Dichloroethane	10.519	62	211100	21.26	ug/L	90
15) Trichloroethene	10.974	95	125825	21.26	ug/L	96
16) 1,2-Dichloropropane	11.531	63	129083	21.66	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	162721	23.77	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	162721	23.37	ug/L	94
21) Tetrachloroethene	12.752	166	110000	21.08	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65173.D
Acq On : 13 Sep 2021 1:08 pm
Operator : charleng
Sample : IC2556-7 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 13:27:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:09:28 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65175.D
Acq On : 13 Sep 2021 1:54 pm
Operator : charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 14:12:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

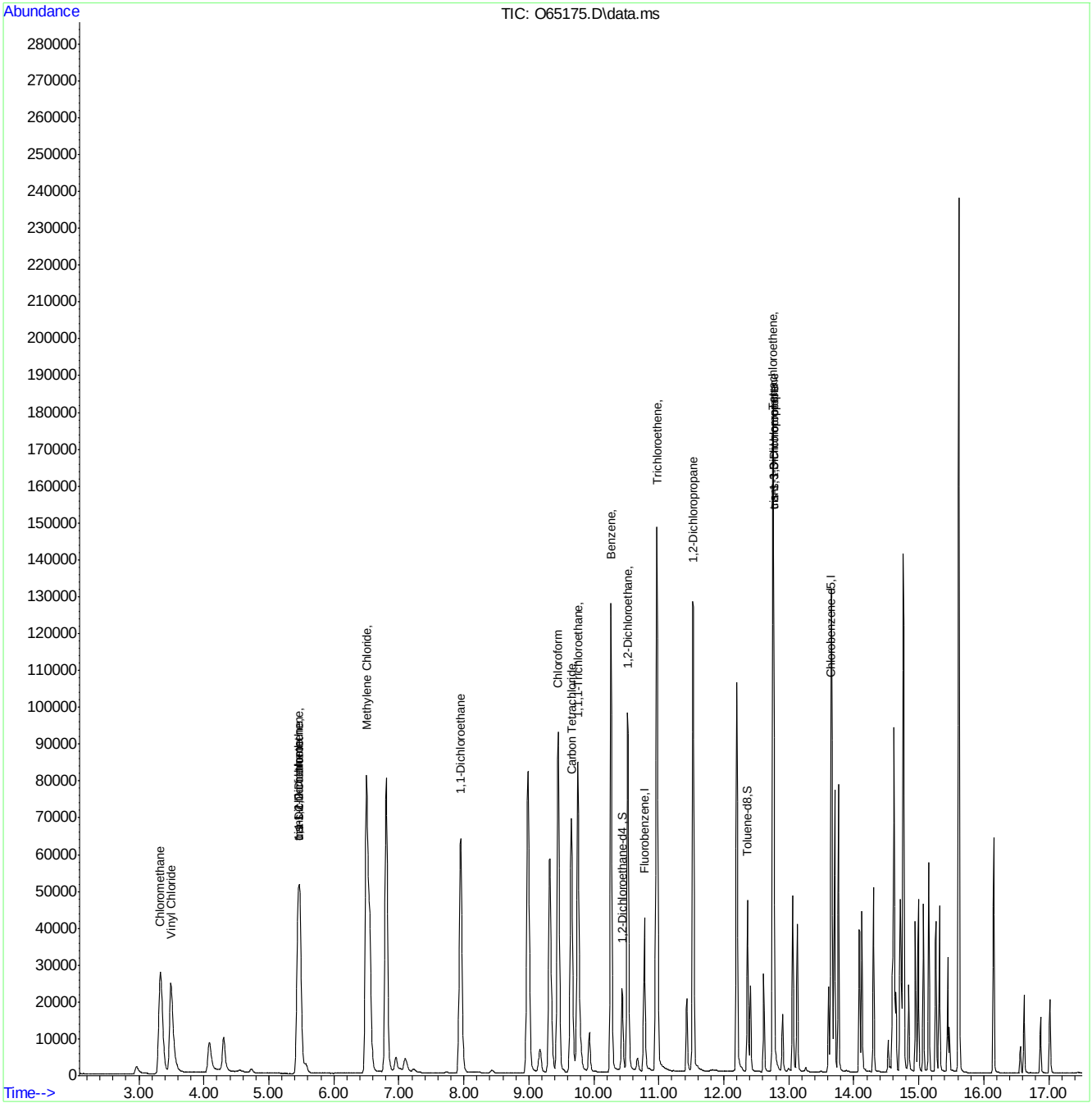
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47785	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33675	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19862	4.91	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.20%			
19) Toluene-d8	12.367	98	39378	5.01	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	67694	8.61	ug/L	99
3) Chloromethane	3.330	50	82923	8.41	ug/L	98
4) 1,1-Dichloroethene	5.465	61	99689	9.95	ug/L	83
5) Methylene Chloride	6.501	49	135352	10.19	ug/L	92
6) trans-1,2-Dichloroethene	5.465	61	99689	9.95	ug/L	78
7) 1,1-Dichloroethane	7.951	63	112642	10.06	ug/L	99
8) cis-1,2-Dichloroethene	5.465	96	49238	9.87	ug/L	89
9) Chloroform	9.450	83	104415	9.50	ug/L	98
10) Carbon Tetrachloride	9.657	117	66047	9.71	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	85632	9.82	ug/L	96
12) Benzene	10.267	78	199227	9.78	ug/L	98
14) 1,2-Dichloroethane	10.519	62	100320	9.57	ug/L	90
15) Trichloroethene	10.974	95	59979	9.58	ug/L	96
16) 1,2-Dichloropropane	11.531	63	62019	9.84	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	73687	10.15	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	73687	10.16	ug/L	95
21) Tetrachloroethene	12.752	166	52810	9.78	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65175.D
Acq On : 13 Sep 2021 1:54 pm
Operator : charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 14:12:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65178.D
Acq On : 13 Sep 2021 3:04 pm
Operator : charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 15:23:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

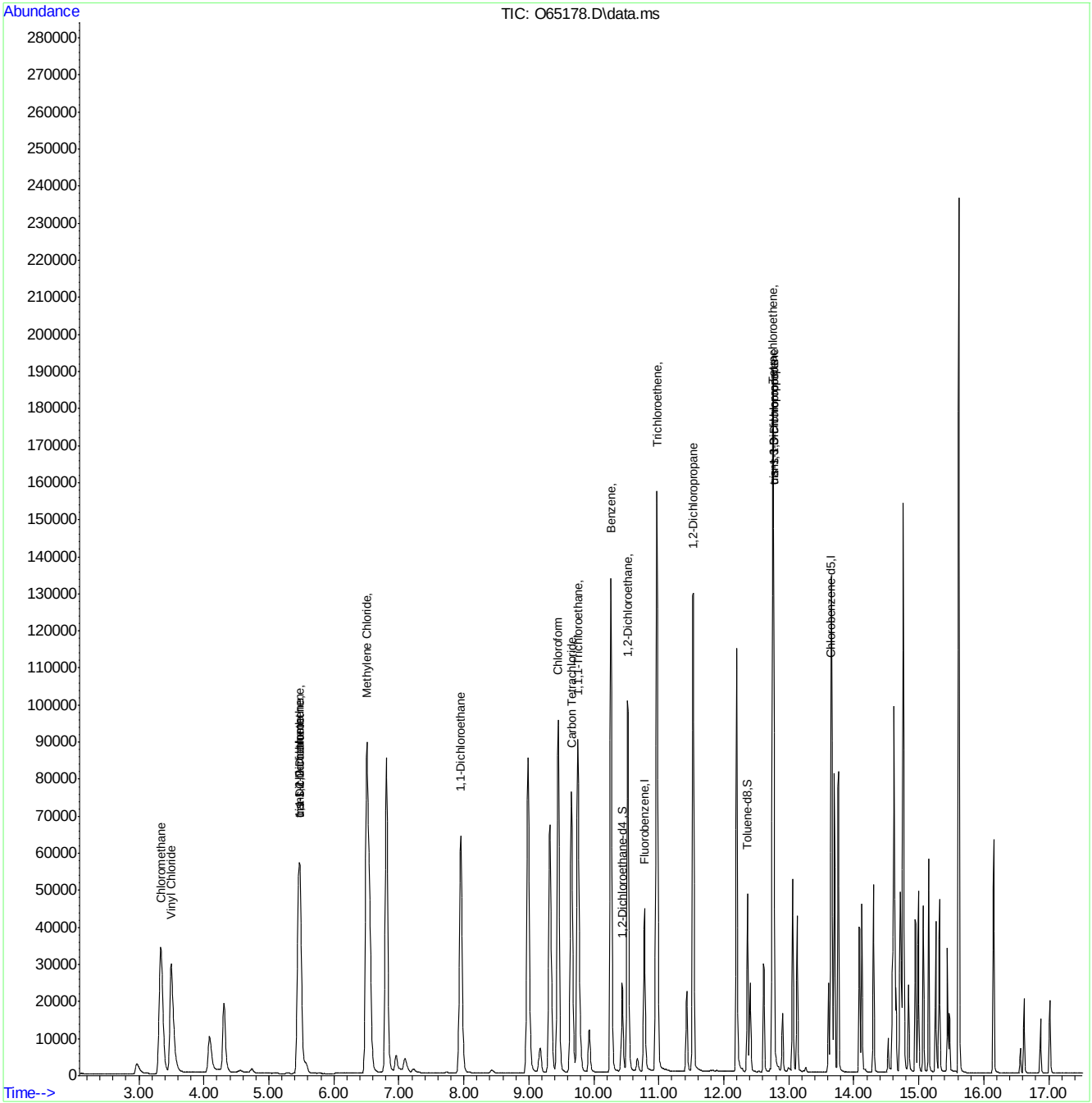
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	50119	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35297	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	21143	4.98	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%			
19) Toluene-d8	12.367	98	40915	4.96	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	80816	9.80	ug/L	98
3) Chloromethane	3.335	50	98260	9.51	ug/L	97
4) 1,1-Dichloroethene	5.473	61	102316	9.73	ug/L	84
5) Methylene Chloride	6.506	49	148050	10.63	ug/L	93
6) trans-1,2-Dichloroethene	5.473	61	102316	9.73	ug/L	80
7) 1,1-Dichloroethane	7.951	63	111897	9.53	ug/L	99
8) cis-1,2-Dichloroethene	5.473	96	50414	9.64	ug/L	88
9) Chloroform	9.450	83	107943	9.36	ug/L	98
10) Carbon Tetrachloride	9.657	117	70654	9.91	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	89694	9.81	ug/L	97
12) Benzene	10.267	78	203637	9.53	ug/L	99
14) 1,2-Dichloroethane	10.518	62	104082	9.46	ug/L	89
15) Trichloroethene	10.974	95	61472	9.36	ug/L	96
16) 1,2-Dichloropropane	11.531	63	62828	9.51	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	75880	9.97	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	75880	9.99	ug/L	94
21) Tetrachloroethene	12.752	166	54096	9.56	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65178.D
Acq On : 13 Sep 2021 3:04 pm
Operator : charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 15:23:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65204.D
Acq On : 14 Sep 2021 1:08 am
Operator : charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 14 10:52:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

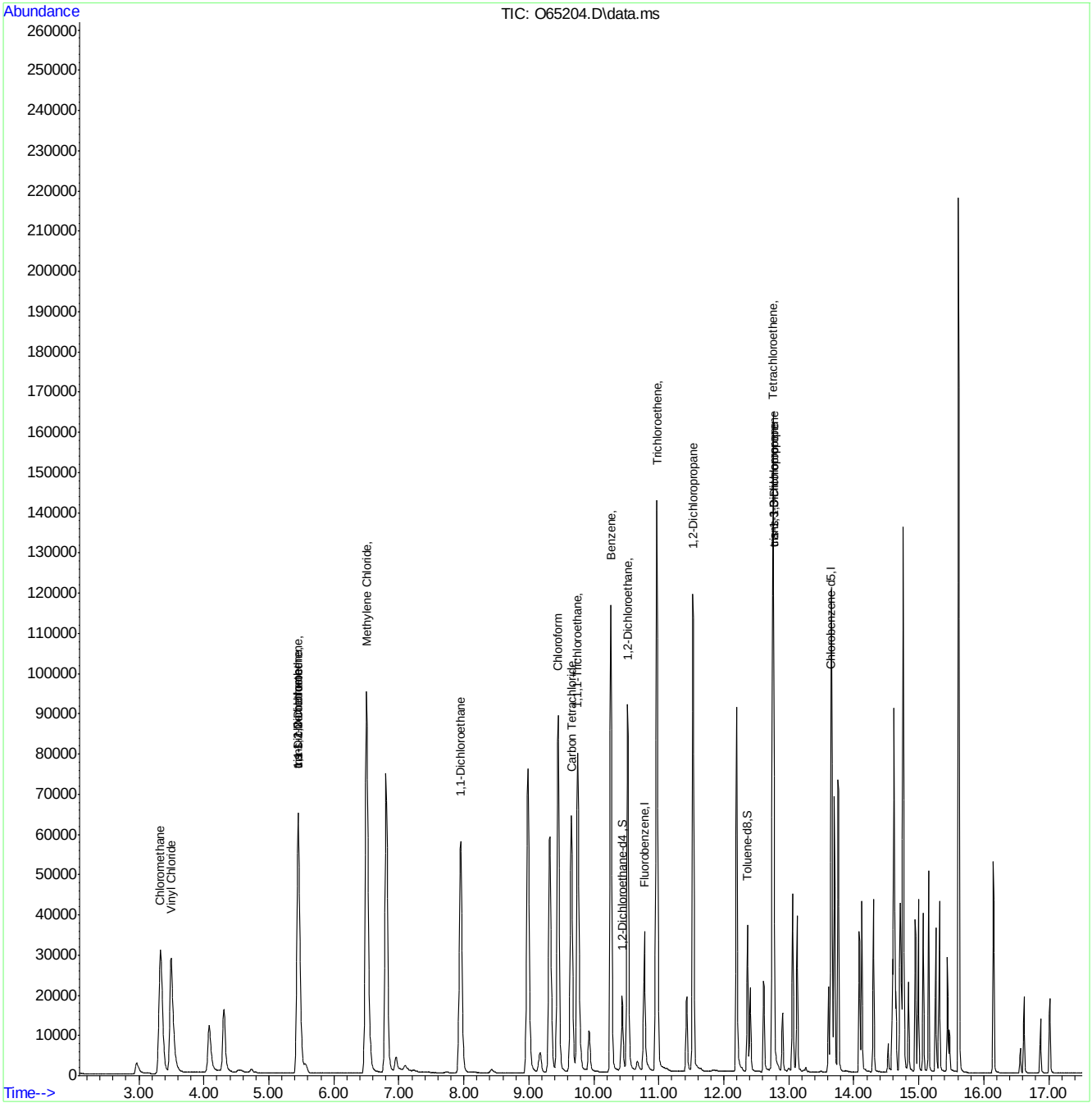
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	39138	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28313	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16562	5.00	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.00%			
19) Toluene-d8	12.367	98	31542	4.77	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	74082	11.50	ug/L	98
3) Chloromethane	3.330	50	83781	10.38	ug/L	96
4) 1,1-Dichloroethene	5.448	61	90199	10.99	ug/L	82
5) Methylene Chloride	6.501	49	116394	10.70	ug/L	90
6) trans-1,2-Dichloroethene	5.448	61	90199	10.99	ug/L	78
7) 1,1-Dichloroethane	7.951	63	102332	11.16	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	44048	10.78	ug/L	88
9) Chloroform	9.450	83	98878	10.98	ug/L	97
10) Carbon Tetrachloride	9.656	117	59791	10.74	ug/L	98
11) 1,1,1-Trichloroethane	9.751	97	78140	10.94	ug/L	94
12) Benzene	10.267	78	181420	10.87	ug/L	99
14) 1,2-Dichloroethane	10.518	62	94318	10.98	ug/L	89
15) Trichloroethene	10.974	95	57352	11.18	ug/L	96
16) 1,2-Dichloropropane	11.525	63	57645	11.17	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	63469	10.68	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	63469	10.41	ug/L	94
21) Tetrachloroethene	12.752	166	48723	10.73	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65204.D
Acq On : 14 Sep 2021 1:08 am
Operator : charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2557,,,,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 14 10:52:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65207.D
Acq On : 14 Sep 2021 2:18 am
Operator : charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 14 11:32:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

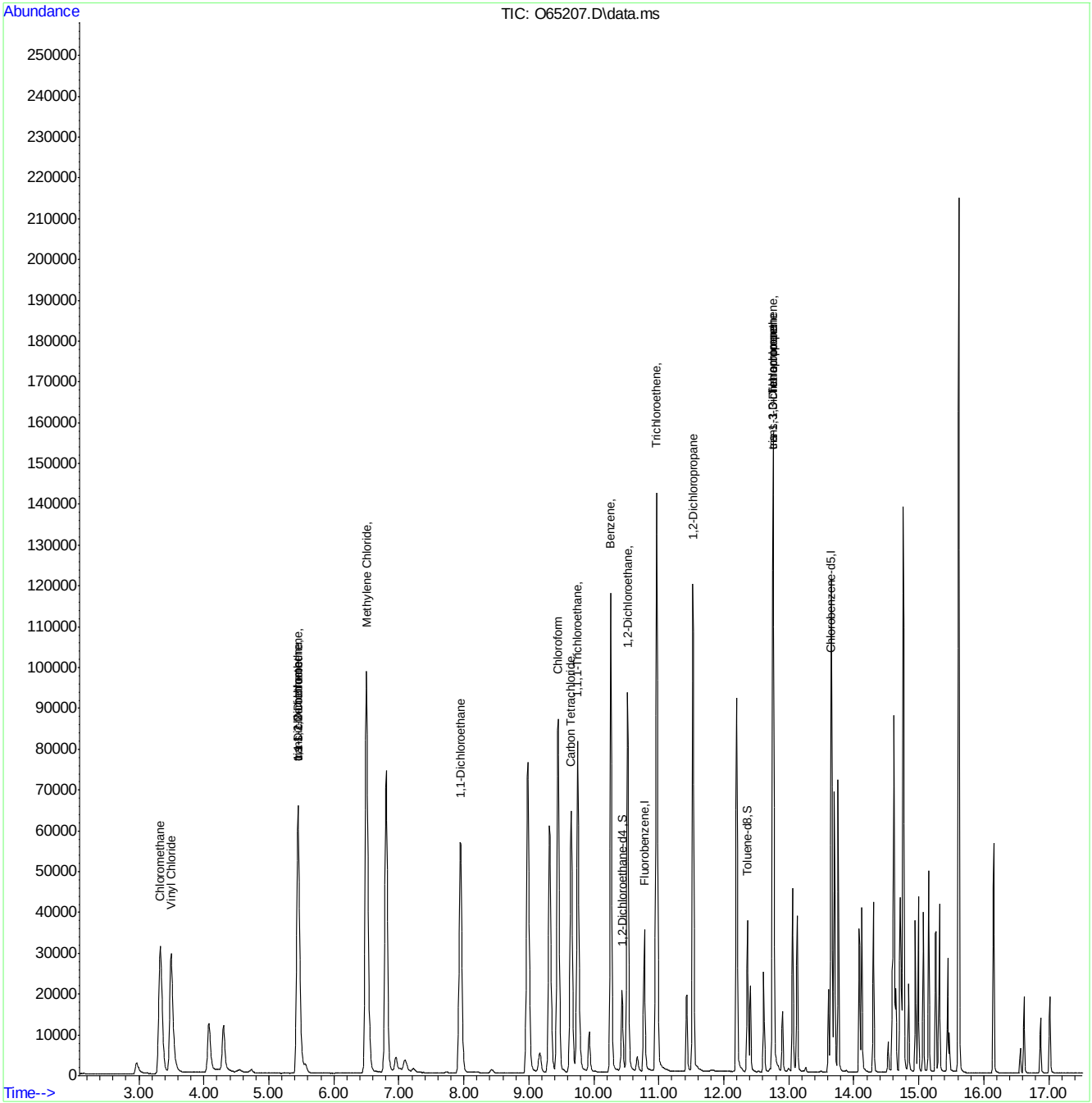
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40589	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	28962	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17494	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.361	98	32344	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	72719	10.89	ug/L	98
3) Chloromethane	3.326	50	81303	9.71	ug/L	98
4) 1,1-Dichloroethene	5.448	61	88888	10.44	ug/L	83
5) Methylene Chloride	6.501	49	116416	10.32	ug/L	93
6) trans-1,2-Dichloroethene	5.448	61	88888	10.44	ug/L	79
7) 1,1-Dichloroethane	7.945	63	100819	10.61	ug/L	98
8) cis-1,2-Dichloroethene	5.448	96	43618	10.30	ug/L	89
9) Chloroform	9.450	83	98143	10.51	ug/L	97
10) Carbon Tetrachloride	9.650	117	58998	10.21	ug/L	97
11) 1,1,1-Trichloroethane	9.752	97	77971	10.53	ug/L	95
12) Benzene	10.261	78	179450	10.37	ug/L	97
14) 1,2-Dichloroethane	10.519	62	94816	10.64	ug/L	90
15) Trichloroethene	10.968	95	55869	10.50	ug/L	95
16) 1,2-Dichloropropane	11.525	63	56860	10.63	ug/L	90
17) cis-1,3-Dichloropropene	12.763	75	61192	9.93	ug/L	96
20) trans-1,3-Dichloropropene	12.763	75	61192	9.81	ug/L	95
21) Tetrachloroethene	12.752	166	47326	10.19	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65207.D
Acq On : 14 Sep 2021 2:18 am
Operator : charleng
Sample : CC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 14 11:32:00 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65226.D
Acq On : 14 Sep 2021 9:36 am
Operator : charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 14 11:32:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

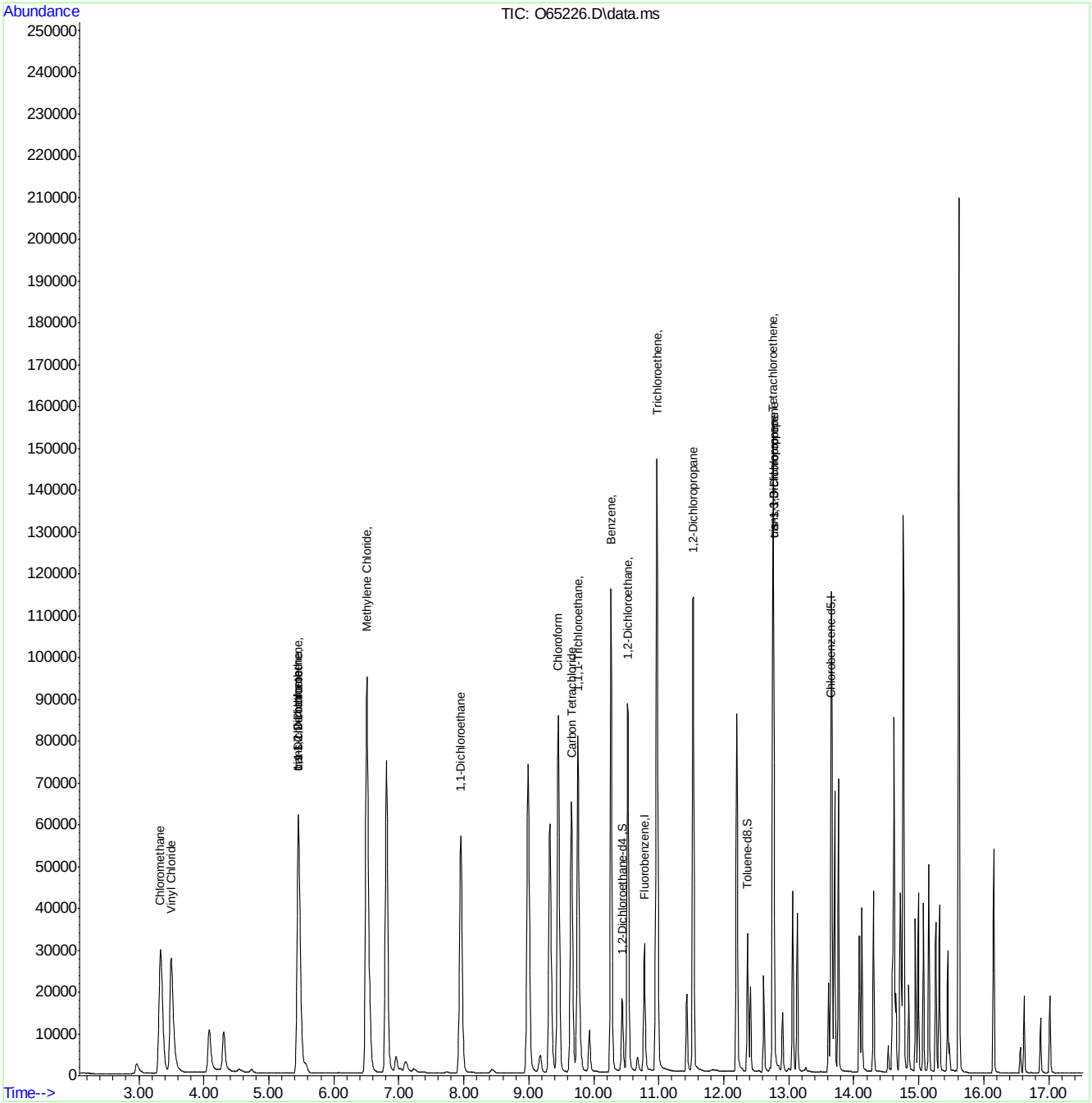
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34595	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25048	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15163	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	27761	4.74	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	72924	12.81	ug/L	99
3) Chloromethane	3.331	50	82528	11.56	ug/L	97
4) 1,1-Dichloroethene	5.452	61	88839	12.24	ug/L	82
5) Methylene Chloride	6.507	49	116312	12.09	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	88839	12.24	ug/L	78
7) 1,1-Dichloroethane	7.951	63	99179	12.24	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	43134	11.95	ug/L	90
9) Chloroform	9.450	83	95248	11.97	ug/L	98
10) Carbon Tetrachloride	9.657	117	59998	12.19	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	77387	12.26	ug/L	95
12) Benzene	10.267	78	174613	11.84	ug/L	99
14) 1,2-Dichloroethane	10.519	62	90868	11.97	ug/L	89
15) Trichloroethene	10.974	95	57813	12.75	ug/L	96
16) 1,2-Dichloropropane	11.531	63	55093	12.08	ug/L	91
17) cis-1,3-Dichloropropene	12.769	75	58385	11.11	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	58385	10.83	ug/L	95
21) Tetrachloroethene	12.752	166	46984	11.70	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65226.D
Acq On : 14 Sep 2021 9:36 am
Operator : charleng
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2558,,,,,
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 14 11:32:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65229.D
Acq On : 14 Sep 2021 1:01 pm
Operator : CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:29:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

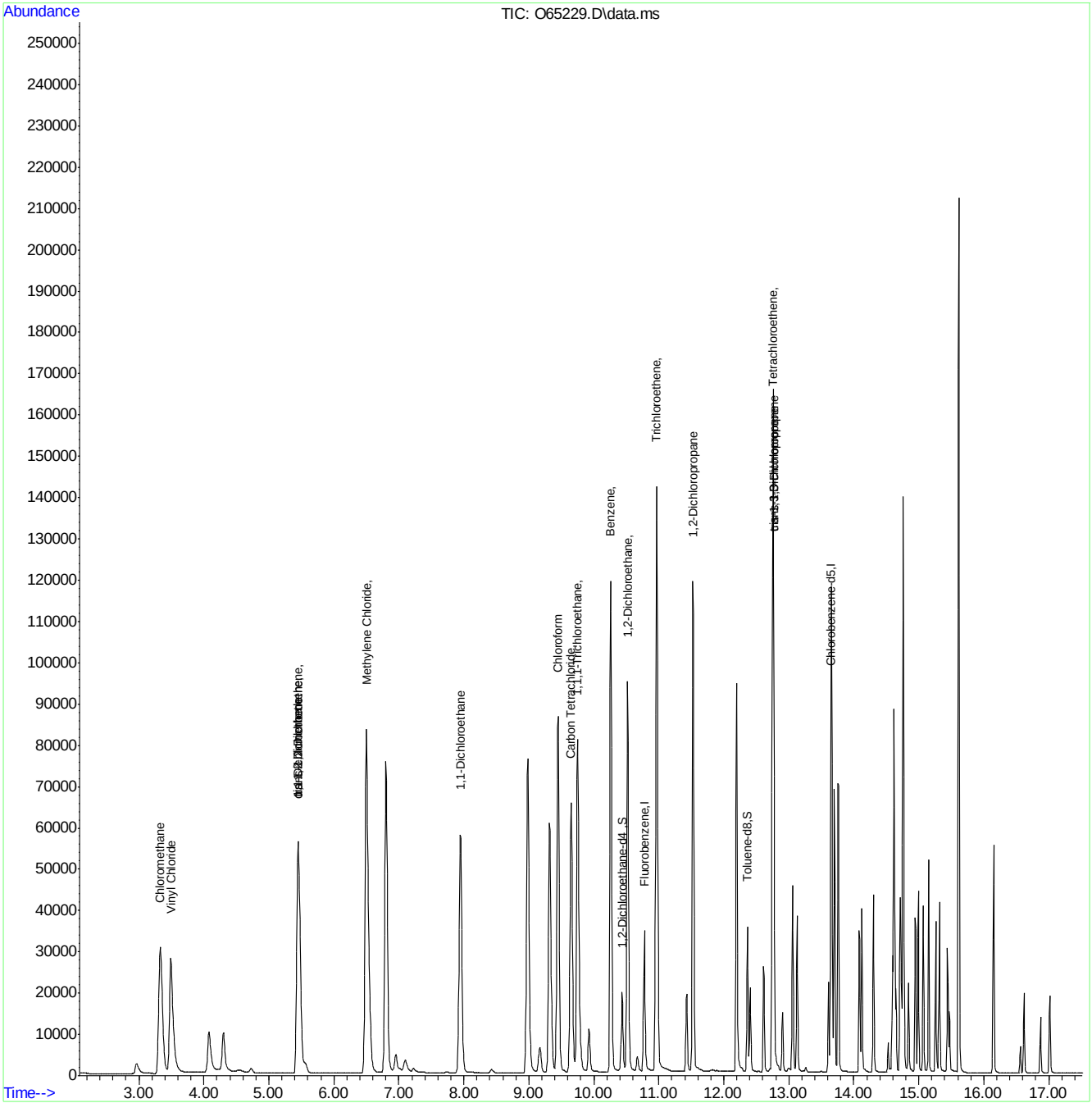
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38888	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27778	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16840	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	12.367	98	31051	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	74385	11.62	ug/L	99
3) Chloromethane	3.326	50	86308	10.76	ug/L	97
4) 1,1-Dichloroethene	5.448	61	90853	11.14	ug/L	82
5) Methylene Chloride	6.501	49	113401	10.49	ug/L	92
6) trans-1,2-Dichloroethene	5.448	61	90853	11.14	ug/L	78
7) 1,1-Dichloroethane	7.945	63	100917	11.08	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	44367	10.93	ug/L	88
9) Chloroform	9.450	83	97371	10.89	ug/L	97
10) Carbon Tetrachloride	9.650	117	61851	11.18	ug/L	96
11) 1,1,1-Trichloroethane	9.752	97	79186	11.16	ug/L	95
12) Benzene	10.261	78	180186	10.87	ug/L	97
14) 1,2-Dichloroethane	10.519	62	93093	10.91	ug/L	89
15) Trichloroethene	10.968	95	55133	10.82	ug/L	94
16) 1,2-Dichloropropane	11.525	63	56606	11.04	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	64513	10.92	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	64513	10.79	ug/L	94
21) Tetrachloroethene	12.752	166	48290	10.84	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65229.D
Acq On : 14 Sep 2021 1:01 pm
Operator : CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:29:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65254.D
Acq On : 14 Sep 2021 10:38 pm
Operator : CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 08:31:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

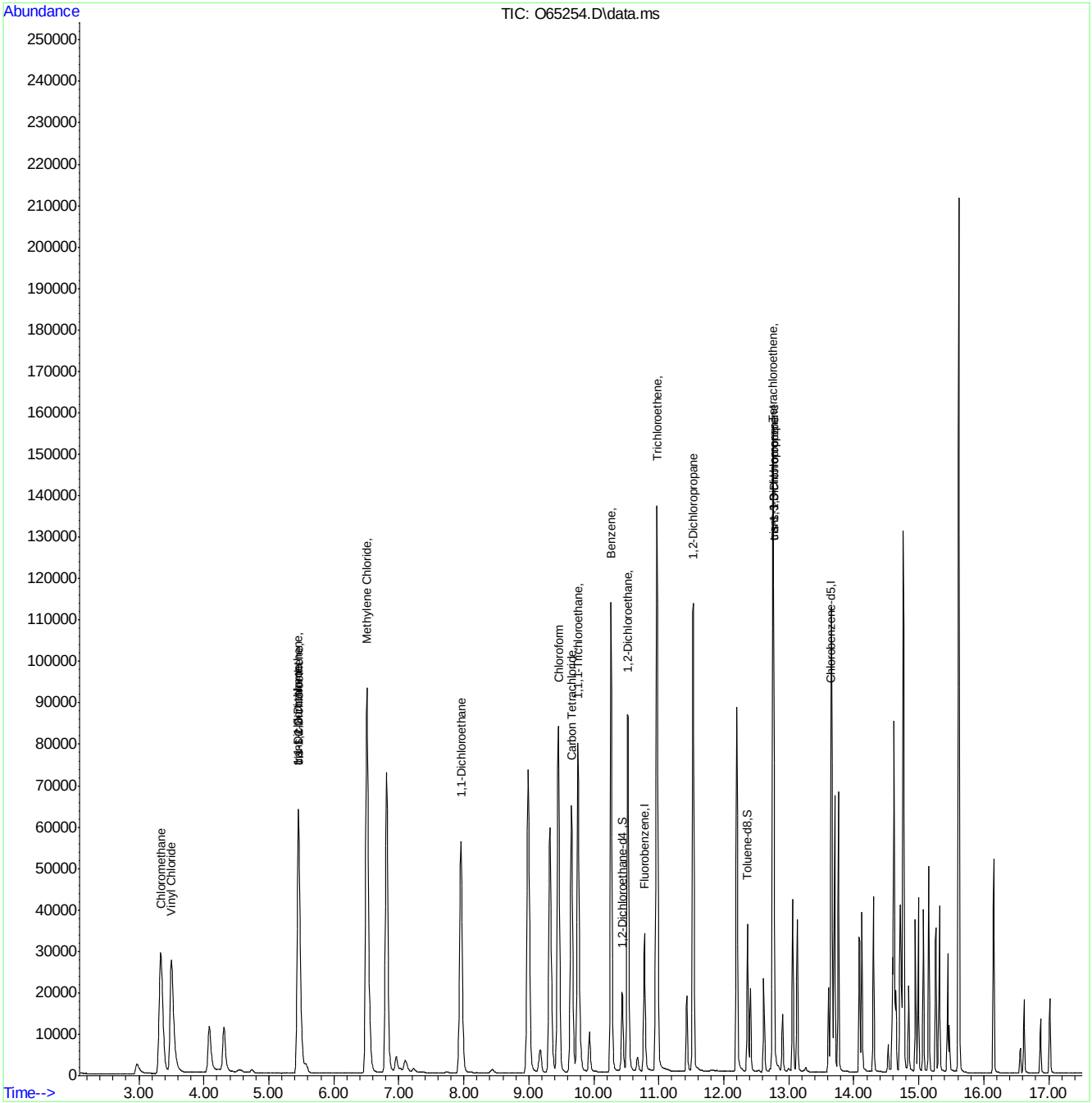
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	37867	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27351	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16653	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	30094	4.71	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	73539	11.80	ug/L	98
3) Chloromethane	3.335	50	82204	10.53	ug/L	96
4) 1,1-Dichloroethene	5.452	61	87357	11.00	ug/L	81
5) Methylene Chloride	6.506	49	109704	10.42	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	87357	11.00	ug/L	77
7) 1,1-Dichloroethane	7.957	63	98237	11.08	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	42192	10.68	ug/L	90
9) Chloroform	9.456	83	94295	10.83	ug/L	97
10) Carbon Tetrachloride	9.657	117	58537	10.86	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	76024	11.00	ug/L	95
12) Benzene	10.267	78	172003	10.66	ug/L	99
14) 1,2-Dichloroethane	10.525	62	89945	10.82	ug/L	91
15) Trichloroethene	10.974	95	53769	10.84	ug/L	96
16) 1,2-Dichloropropane	11.531	63	54238	10.86	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	59763	10.39	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	59763	10.15	ug/L	94
21) Tetrachloroethene	12.752	166	46101	10.51	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65254.D
Acq On : 14 Sep 2021 10:38 pm
Operator : CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 08:31:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/13/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2701360
AFA:	N/A
RUN ID:	**VO2556**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/13/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65162	BFB	-	-	W	1	BFB_SIM		-	-	-	
O65163	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65164	CC2552-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL ↑
O65165	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL ↑
O65166	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65167	IC2556-1	-	-	W	6	ACQ_SIMCLb	#9, 10 PDB	-	-	-	1uL→ 100mL
O65168	IC2556-2	-	-	W	7	ACQ_SIMCLb	#9, 10 PDB	-	-	-	5uL→ 100mL
O65169	IC2556-3	-	-	W	8	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65170	IC2556-4	-	-	W	9	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65171	ICC2556-5	-	-	W	10	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65172	IC2556-6	-	-	W	11	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65173	IC2556-7	-	-	W	12	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65174	MB	-	-	W	13	ACQ_SIMCLb		-	-	-	
O65175	ICV2556-5	-	-	W	14	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/13/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	83820
AFA:	N/A
RUN ID:	**VO2557**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/14/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65176	BFB	-	-	W	1	BFB_SIM		-	-	-	
O65177	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65178	CC2556-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65179	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65180	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65181	MB	-	-	W	6	ACQ_SIMCLb		-	-	-	
O65182	FA88736-1	1x	1	W	7	ACQ_SIMCLb		1	N	-	
O65183	FA88736-41	1x	1	W	8	ACQ_SIMCLb		1	N	-	
O65184	FA88736-2	1x	1	W	9	ACQ_SIMCLb		1	N	-	
O65185	FA88736-3	1x	1	W	10	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65186	FA88736-4	1x	1	W	11	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65187	FA88736-5	1x	1	W	12	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65188	FA88736-6	1x	1	W	13	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65189	FA88736-7	1x	1	W	14	ACQ_SIMCLb	#10 PDB	1	N	-	
O65190	FA88736-8	1x	1	W	15	ACQ_SIMCLb		1	N	-	
O65191	FA88736-9	1x	1	W	16	ACQ_SIMCLb		1	N	-	
O65192	FA88736-10	1x	1	W	17	ACQ_SIMCLb		1	N	-	
O65193	FA88736-11	1x	1	W	18	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65194	FA88736-12	1x	1	W	19	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65195	FA88736-13	1x	1	W	20	ACQ_SIMCLb	#9 PDB	1	N	-	
O65196	FA88736-14	1x	1	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O65197	FA88736-15	1x	1	W	22	ACQ_SIMCLb		1	N	-	
O65198	FA88736-16	1x	1	W	23	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65199	FA88736-17	1x	1	W	24	ACQ_SIMCLb		1	N	-	
O65200	FA88736-18	1x	1	W	25	ACQ_SIMCLb		1	N	-	
O65201	FA88736-19	1x	1	W	26	ACQ_SIMCLb	#9 PDB	1	N	-	
O65202	FA88736-4MS	5x	3	W	27	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65203	FA88736-4MSD	5x	3	W	28	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65204	ECC2556-5	-	-	W	29	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

VO2557.xls 040918

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/13/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2083539
AFA:	N/A
RUN ID:	**VO2558**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/14/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65205	BFB	-	-	W	30	BFB_SIM		-	-	-	
O65206	BFB	-	-	W	31	BFB_SIM		-	-	-	Autofind PASS
O65207	CC2556-5	-	-	W	32	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65208	BS	-	-	W	33	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65209	MB	-	-	W	34	ACQ_SIMCLb		-	-	-	
O65210	MB	-	-	W	35	ACQ_SIMCLb		-	-	-	
O65211	FA88736-20	1x	1	W	36	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65212	FA88736-21	1x	1	W	37	ACQ_SIMCLb		1	N	-	
O65213	FA88736-22	1x	1	W	38	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65214	FA88736-23	1x	1	W	39	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65215	FA88736-24	1x	1	W	40	ACQ_SIMCLb	#9 PDB	1	N	-	
O65216	FA88736-25	1x	1	W	41	ACQ_SIMCLb		1	N	-	
O65217	FA88736-26	1x	1	W	42	ACQ_SIMCLb	#10 PDB	1	N	-	
O65218	FA88736-27	1x	1	W	43	ACQ_SIMCLb	#9 PDB	1	N	-	
O65219	FA88736-28	1x	1	W	44	ACQ_SIMCLb		1	N	-	
O65220	FA88736-29	1x	1	W	45	ACQ_SIMCLb		1	N	-	
O65221	FA88736-30	1x	1	W	46	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65222	FA88736-31	1x	1	W	47	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65223	FA88736-32	1x	1	W	48	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65224	FA88736-21MS	5x	3	W	49	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65225	FA88736-21MSD	5x	3	W	50	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65226	ECC2556-5	-	-	W	51	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature:

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/14/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2002445
AFA:	N/A
RUN ID:	**VO2559**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/15/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65227	MB	-	-	W	1	BFB_SIM		-	-	-	
O65228	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65229	CC2556-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65230	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL (not used)
O65231	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65232	MB	-	-	W	6	ACQ_SIMCLb		-	-	-	
O65233	FA88735-1	1x	2	W	7	ACQ_SIMCLb		1	N	-	
O65234	FA88735-22	1x	2	W	8	ACQ_SIMCLb		1	N	-	
O65235	FA88735-38	1x	2	W	9	ACQ_SIMCLb		1	N	-	
O65236	FA88736-33	1x	1	W	10	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65237	FA88736-34	1x	1	W	11	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65238	FA88736-35	1x	1	W	12	ACQ_SIMCLb	#9 PDB	1	N	-	
O65239	FA88736-36	1x	1	W	13	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65240	FA88736-37	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O65241	FA88736-38	1x	1	W	15	ACQ_SIMCLb	#9 PDB	1	N	-	
O65242	FA88736-39	1x	1	W	16	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65243	FA88736-40	1x	1	W	17	ACQ_SIMCLb	#9 PDB	1	N	-	
O65244	FA88753-1	1x	2	W	18	ACQ_SIMCLb		1	N	-	
O65245	FA88753-2	1x	2	W	19	ACQ_SIMCLb	#9 PDB	1	N	-	
O65246	FA88753-3	1x	2	W	20	ACQ_SIMCLb	#9 PDB	1	N	-	
O65247	FA88753-4	1x	2	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O65248	FA88753-5	1x	3	W	22	ACQ_SIMCLb		1	N	-	
O65249	FA88753-6	1x	2	W	23	ACQ_SIMCLb		1	N	-	
O65250	FA88753-7	1x	2	W	24	ACQ_SIMCLb		1	N	-	
O65251	BS	-	-	W	25	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65252	FA88736-33MS	5x	1	W	26	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65253	FA88736-33MSD	5x	1	W	27	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65254	ECC2556-5	-	-	W	28	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene Gonzalez

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

SGS Job Number: FA88753

Sampling Dates: 09/01/21 - 09/02/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **178**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88753

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88753-1	09/01/21	09:33	TSTM	09/09/21	AQ	Ground Water	2135X0BW198F
FA88753-2	09/01/21	11:25	TSTM	09/09/21	AQ	Ground Water	2135X0BW205F
FA88753-3	09/02/21	10:58	TMJS	09/09/21	AQ	Ground Water	2135X0BW235F
FA88753-4	09/02/21	13:28	TMJS	09/09/21	AQ	Ground Water	2135W0BW240F
FA88753-5	09/02/21	15:20	TMJS	09/09/21	AQ	Ground Water	2135X0BW241C
FA88753-6	09/02/21	14:10	CKSM	09/09/21	AQ	Ground Water	2135YOU2082F
FA88753-7	09/02/21	15:15	CKSM	09/09/21	AQ	Ground Water	2135Y0BW084C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88753

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/20/2021 2:22:28

On 09/09/2021, 7 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88753 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2559

Sample(s) FA88736-33MS, FA88736-33MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VZ2591

FA88753-5: Confirmation run.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88753
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88753-1	**2135X0BW198F**					
No hits reported in this sample.						
FA88753-2	**2135X0BW205F**					
No hits reported in this sample.						
FA88753-3	**2135X0BW235F**					
Carbon Tetrachloride		0.53	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88753-4	**2135W0BW240F**					
Carbon Tetrachloride		0.30 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88753-5	**2135X0BW241C**					
No hits reported in this sample.						
FA88753-6	**2135YOU2082F**					
No hits reported in this sample.						
FA88753-7	**2135Y0BW084C**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW198F		
Lab Sample ID:	FA88753-1	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65244.D	1	09/14/21 18:47	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW205F		
Lab Sample ID:	FA88753-2	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65245.D	1	09/14/21 19:11	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW235F		
Lab Sample ID:	FA88753-3	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65246.D	1	09/14/21 19:34	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.53	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW240F		
Lab Sample ID:	FA88753-4	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65247.D	1	09/14/21 19:57	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.30	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW241C		
Lab Sample ID:	FA88753-5	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65248.D	1	09/14/21 20:20	CG	n/a	n/a	VO2559
Run #2 [a]	Z65872.D	1	09/11/21 02:40	CG	n/a	n/a	VZ2591

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	107%	74-125%
2037-26-5	Toluene-D8	94%	89%	88-111%

(a) Confirmation run.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135YOU2082F		
Lab Sample ID:	FA88753-6	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65249.D	1	09/14/21 20:44	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Y0BW084C		
Lab Sample ID:	FA88753-7	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65250.D	1	09/14/21 21:07	CG	n/a	n/a	VO2559
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CA052362

Ahtna

CHAIN OF CUSTODY

WATER / SOIL FA88753 Chain of Custody #: 0341

1 of 3

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA

Sampler/s: T. Stuart / T. Moore

Project Name: Fort Ord Basewide GWM

Report To: Derek Lieberman

Project Number: 21065.000.01.0000

E-Mail: dlieberman@ahtna.net

Sampling Event/Site: 3Q 2021

Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery

Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2133XOBW19S	9/1/21	0933	X			3	3								X			
2	2135XOBW20S	↓	1125	X			3	3								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: ____ Tracking ID: ____

Comments:

DUCTP - Upper

0.41RY

INITIAL ASSESSMENT

LABEL VERIFICATION CM

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	9/1/21 / 1625	Steve Korday	9.1.21 / 1630
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**
Steve Korday	9.3.21 / 1040	Lee Bain	9/3/21 1040
Relinquished By:	**Date/Time:**	**Received By Laboratory:**	**Date/Time:**
FX			9/9/21 930

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FA88753: Chain of Custody

Page 1 of 4

CADS2362
Ahtna

CHAIN OF COUSTODY

WATER / SOIL

FA88753 2 OF 3

Chain of Custody #: 0328

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. moore / J. Schommer
Project Name: Ft. ORD Basewide Gwm
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Lab Sample Receipt

Laboratory Sample Delivery
Group #: ____________
Custody Seal: ____________
Temp (°C): ____________

Lab Number	Sample Number/Description	Sample Collection: Date	Time	Matrix: Water	Soil	Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	Analysis Requested: VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
3	2135X0BW235F	9-2-21	1058	✓			3	3								X								
4	2135W0BW240F	9-2-21	1328	✓			3	3								X								
5	2135~~X~~0BW241C	9-2-21	1520	X			~~2~~	~~2~~								X								~~Two bottles~~
							3	3																

Turnaround Time: ____: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: ____________ Tracking ID: ____________

Comments:

OUCTP - Upper

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom [signature]	9-2-2021 1539	Steve Korbay	9-2-21 / 1545
Relinquished By: Steve Korbay	9-3-21 / 1040	**Received By:** [signature]	9/3/21 1040
Relinquished By: [signature]		**Received By Laboratory:** [signature]	9/9/21 930

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CAPS23162
Ahtna

CHAIN OF CUSTODY

WATER / SOIL

FA88753 0345 3 of 3
Chain of Custody #:

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: C. Kayhan, S. Morgan
Project Name: Former Fort Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q 2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
6	2135 YOU2082F	09-02-21	1410	X			3	3								X			
7	2135 YOBW084C	09-02-21	1515	X			3	3								X			

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: Tracking ID:

Comments:

OUCTP-Upper

Chain of Custody Tracking:

	Date/Time		Date/Time
Relinquished By Sampler:	09-02-21 / 1600	Received By: Steve Kordby	9.2.21 / 1605
Relinquished By: Steve Kordby	9.3.21 / 1040	Received By: Lee Bowen	9/3/21 1040
Relinquished By: FX	Date/Time:	Received By Laboratory:	9/9/21 930

5.1
5

SGS Sample Receipt Summary

Job Number: FA88753 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Upper

Date / Time Received: 9/9/2021 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 283413577556

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2);

Cooler Temps (Corrected) °C: Cooler 1: (0.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☐		☑	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments Cooler was received on 09/09/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: PETERH Date: 9/9/2021 9:30:00 AM Reviewer: PH Date: 9/10/2021

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88753
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2559	SW846 8260B BY SIM						
VO2559-BS	56-23-5	Carbon Tetrachloride	BSP	REC	108	%	72-136
VO2559-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	105	%	81-118
VO2559-BS	2037-26-5	Toluene-D8	BSP	SURR	95	%	89-112
FA88736-33MS*	56-23-5	Carbon Tetrachloride	MS	REC	110	%	72-136
FA88736-33MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88736-33MS*	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA88736-33MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	111	%	72-136
FA88736-33MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FA88736-33MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	105	%	81-118
FA88736-33MSD*	2037-26-5	Toluene-D8	MSD	SURR	99	%	89-112
VO2559-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VO2559-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	89-112
FA88753-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FA88753-1	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FA88753-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FA88753-2	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FA88753-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FA88753-3	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FA88753-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FA88753-4	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88753-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA88753-5	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88753-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FA88753-6	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FA88753-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FA88753-7	2037-26-5	Toluene-D8	SAMP	SURR	92	%	89-112

* Sample used for QC is not from job FA88753

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2559-MB	O65231.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88753-1, FA88753-2, FA88753-3, FA88753-4, FA88753-5, FA88753-6, FA88753-7

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

Blank Spike Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2559-BS	O65251.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88753-1, FA88753-2, FA88753-3, FA88753-4, FA88753-5, FA88753-6, FA88753-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.4	108	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	95%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88736-33MS	O65252.D	5	09/14/21	CG	n/a	n/a	VO2559
FA88736-33MSD	O65253.D	5	09/14/21	CG	n/a	n/a	VO2559
FA88736-33	O65236.D	1	09/14/21	CG	n/a	n/a	VO2559

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88753-1, FA88753-2, FA88753-3, FA88753-4, FA88753-5, FA88753-6, FA88753-7

CAS No.	Compound	FA88736-33 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.20	J	25	27.8	110	25	27.9	111	0	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FA88736-33	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	105%	105%	74-125%
2037-26-5	Toluene-D8	99%	99%	96%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2556-BFB
Lab File ID: O65163.D
Instrument ID: GCMSO
Injection Date: 09/13/21
Injection Time: 09:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	81085	21.8		Pass
75	30.0 - 60.0% of mass 95	174832	46.9		Pass
95	Base peak, 100% relative abundance	372501	100.0		Pass
96	5.0 - 9.0% of mass 95	24464	6.57		Pass
173	Less than 2.0% of mass 174	2200	0.59	(0.77) [a]	Pass
174	50.0 - 100.0% of mass 95	286592	76.9		Pass
175	5.0 - 9.0% of mass 174	20630	5.54	(7.20) [a]	Pass
176	95.0 - 101.0% of mass 174	274475	73.7	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	17869	4.80	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2556-IC2556	O65167.D	09/13/21	10:50	01:34	Initial cal 1
VO2556-IC2556	O65168.D	09/13/21	11:13	01:57	Initial cal 2
VO2556-IC2556	O65169.D	09/13/21	11:36	02:20	Initial cal 3
VO2556-IC2556	O65170.D	09/13/21	11:59	02:43	Initial cal 4
VO2556-ICC2556	O65171.D	09/13/21	12:22	03:06	Initial cal 5
VO2556-IC2556	O65172.D	09/13/21	12:45	03:29	Initial cal 6
VO2556-IC2556	O65173.D	09/13/21	13:08	03:52	Initial cal 7
VO2556-ICV2556	O65175.D	09/13/21	13:54	04:38	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2559-BFB
Lab File ID: O65228.D
Instrument ID: GCMSO
Injection Date: 09/14/21
Injection Time: 12:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	65659	23.1		Pass
75	30.0 - 60.0% of mass 95	138499	48.6		Pass
95	Base peak, 100% relative abundance	284821	100.0		Pass
96	5.0 - 9.0% of mass 95	19080	6.70		Pass
173	Less than 2.0% of mass 174	1729	0.61	(0.81) [a]	Pass
174	50.0 - 100.0% of mass 95	212736	74.7		Pass
175	5.0 - 9.0% of mass 174	15955	5.60	(7.50) [a]	Pass
176	95.0 - 101.0% of mass 174	206144	72.4	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	13267	4.66	(6.44) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2559-CC2556	O65229.D	09/14/21	13:01	00:23	Continuing cal 5
VO2559-MB	O65231.D	09/14/21	13:47	01:09	Method Blank
ZZZZZZ	O65233.D	09/14/21	14:35	01:57	(unrelated sample)
ZZZZZZ	O65234.D	09/14/21	14:58	02:20	(unrelated sample)
ZZZZZZ	O65235.D	09/14/21	15:21	02:43	(unrelated sample)
FA88736-33	O65236.D	09/14/21	15:44	03:06	(used for QC only; not part of job FA88753)
ZZZZZZ	O65237.D	09/14/21	16:07	03:29	(unrelated sample)
ZZZZZZ	O65238.D	09/14/21	16:30	03:52	(unrelated sample)
ZZZZZZ	O65239.D	09/14/21	16:53	04:15	(unrelated sample)
ZZZZZZ	O65240.D	09/14/21	17:15	04:37	(unrelated sample)
ZZZZZZ	O65241.D	09/14/21	17:38	05:00	(unrelated sample)
ZZZZZZ	O65242.D	09/14/21	18:01	05:23	(unrelated sample)
ZZZZZZ	O65243.D	09/14/21	18:24	05:46	(unrelated sample)
FA88753-1	O65244.D	09/14/21	18:47	06:09	2135X0BW198F
FA88753-2	O65245.D	09/14/21	19:11	06:33	2135X0BW205F
FA88753-3	O65246.D	09/14/21	19:34	06:56	2135X0BW235F
FA88753-4	O65247.D	09/14/21	19:57	07:19	2135W0BW240F
FA88753-5	O65248.D	09/14/21	20:20	07:42	2135X0BW241C
FA88753-6	O65249.D	09/14/21	20:44	08:06	2135YOU2082F
FA88753-7	O65250.D	09/14/21	21:07	08:29	2135Y0BW084C
VO2559-BS	O65251.D	09/14/21	21:30	08:52	Blank Spike
FA88736-33MS	O65252.D	09/14/21	21:53	09:15	Matrix Spike
FA88736-33MSD	O65253.D	09/14/21	22:15	09:37	Matrix Spike Duplicate
VO2559-ECC2556	O65254.D	09/14/21	22:38	10:00	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-BFB
Lab File ID: Z65736.D
Instrument ID: GCMSZ
Injection Date: 09/07/21
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	43592	18.5		Pass
75	30.0 - 60.0% of mass 95	120435	51.1		Pass
95	Base peak, 100% relative abundance	235755	100.0		Pass
96	5.0 - 9.0% of mass 95	16239	6.89		Pass
173	Less than 2.0% of mass 174	1121	0.48	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	177536	75.3		Pass
175	5.0 - 9.0% of mass 174	12644	5.36	(7.12) [a]	Pass
176	95.0 - 101.0% of mass 174	169256	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11265	4.78	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2586-IC2586	Z65738.D	09/07/21	10:06	01:31	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21	10:26	01:51	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21	10:46	02:11	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21	11:07	02:32	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21	11:27	02:52	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21	11:47	03:12	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21	12:08	03:33	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21	12:48	04:13	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21	14:21	05:46	Blank Spike
VZ2586-MB	Z65750.D	09/07/21	14:41	06:06	Method Blank
ZZZZZZ	Z65751.D	09/07/21	15:05	06:30	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21	15:26	06:51	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21	15:46	07:11	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21	16:07	07:32	(unrelated sample)
FA88619-2	Z65755.D	09/07/21	16:27	07:52	(used for QC only; not part of job FA88753)
ZZZZZZ	Z65756.D	09/07/21	16:48	08:13	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21	17:08	08:33	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21	17:29	08:54	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21	17:49	09:14	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21	18:09	09:34	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21	18:30	09:55	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21	18:50	10:15	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21	19:11	10:36	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21	19:31	10:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2586-BFB	**Injection Date:**	09/07/21
Lab File ID:	Z65736.D	**Injection Time:**	08:35
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88619-2MS	Z65765.D	09/07/21	19:52	11:17	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21	20:12	11:37	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21	20:32	11:57	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2591-BFB
Lab File ID: Z65864.D
Instrument ID: GCMSZ
Injection Date: 09/10/21
Injection Time: 23:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28213	19.4		Pass
75	30.0 - 60.0% of mass 95	75363	51.9		Pass
95	Base peak, 100% relative abundance	145224	100.0		Pass
96	5.0 - 9.0% of mass 95	9958	6.86		Pass
173	Less than 2.0% of mass 174	812	0.56	(0.65) [a]	Pass
174	50.0 - 100.0% of mass 95	124741	85.9		Pass
175	5.0 - 9.0% of mass 174	9134	6.29	(7.32) [a]	Pass
176	95.0 - 101.0% of mass 174	120021	82.6	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	7916	5.45	(6.60) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2591-CC2586	Z65865.D	09/11/21	00:19	00:21	Continuing cal 5
VZ2591-BS	Z65866.D	09/11/21	00:39	00:41	Blank Spike
VZ2591-MB	Z65867.D	09/11/21	00:59	01:01	Method Blank
FA88753-5	Z65872.D	09/11/21	02:40	02:42	2135X0BW241C
ZZZZZZ	Z65875.D	09/11/21	03:41	03:43	(unrelated sample)
ZZZZZZ	Z65876.D	09/11/21	04:01	04:03	(unrelated sample)
ZZZZZZ	Z65877.D	09/11/21	04:21	04:23	(unrelated sample)
ZZZZZZ	Z65878.D	09/11/21	04:41	04:43	(unrelated sample)
ZZZZZZ	Z65879.D	09/11/21	05:02	05:04	(unrelated sample)
ZZZZZZ	Z65880.D	09/11/21	05:22	05:24	(unrelated sample)
ZZZZZZ	Z65881.D	09/11/21	05:42	05:44	(unrelated sample)
ZZZZZZ	Z65882.D	09/11/21	06:02	06:04	(unrelated sample)
FA88753-5MS	Z65883.D	09/11/21	06:22	06:24	Matrix Spike
FA88753-5MSD	Z65884.D	09/11/21	06:43	06:45	Matrix Spike Duplicate
VZ2591-ECC2586	Z65885.D	09/11/21	07:03	07:05	Ending cal 5
VZ2592-BS	Z65889.D	09/11/21	09:36	09:38	Blank Spike

Internal Standard Area Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2559-CC2556	**Injection Date:**	09/14/21
Lab File ID:	O65229.D	**Injection Time:**	13:01
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	46998	10.78	33237	13.65
Check Std [b]	38888	10.78	27778	13.65
Upper Limit [c]	77776	10.95	55556	13.82
Lower Limit [d]	19444	10.61	13889	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2559-MB	35743	10.78	24967	13.65
ZZZZZZ	36325	10.78	25302	13.65
ZZZZZZ	33502	10.78	23216	13.65
ZZZZZZ	36513	10.78	25876	13.65
FA88736-33	36020	10.78	25298	13.65
ZZZZZZ	35757	10.78	25319	13.65
ZZZZZZ	34216	10.78	24542	13.65
ZZZZZZ	34738	10.78	24746	13.65
ZZZZZZ	35445	10.78	24902	13.65
ZZZZZZ	35492	10.78	25375	13.65
ZZZZZZ	37435	10.78	26697	13.65
ZZZZZZ	38555	10.78	27067	13.65
FA88753-1	35104	10.78	25023	13.65
FA88753-2	36381	10.78	25489	13.65
FA88753-3	34353	10.78	24786	13.65
FA88753-4	34846	10.78	24446	13.65
FA88753-5	35486	10.78	25495	13.65
FA88753-6	35594	10.78	25482	13.65
FA88753-7	34789	10.78	25301	13.65
VO2559-BS	35264	10.78	24847	13.65
FA88736-33MS	36352	10.78	25524	13.65
FA88736-33MSD	36177	10.78	25835	13.65
VO2559-ECC255	37867	10.78	27351	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2556-ICC2556 O65171.D 09/13/21 12:22
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2591-CC2586	**Injection Date:**	09/11/21
Lab File ID:	Z65865.D	**Injection Time:**	00:19
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	60384	8.05	44007	11.12
Check Std [b]	52326	8.05	41830	11.12
Upper Limit [c]	104652	8.22	83660	11.29
Lower Limit [d]	26163	7.88	20915	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2591-BS	51672	8.05	41292	11.12
VZ2591-MB	49826	8.05	38623	11.12
FA88753-5 [e]	45351	8.05	35712	11.12
ZZZZZZ	47332	8.05	37154	11.12
ZZZZZZ	48310	8.05	37878	11.12
ZZZZZZ	48393	8.05	38359	11.12
ZZZZZZ	47431	8.05	37564	11.12
ZZZZZZ	47937	8.05	37829	11.12
ZZZZZZ	44780	8.05	35407	11.12
ZZZZZZ	46440	8.05	36760	11.12
ZZZZZZ	45728	8.05	36285	11.12
FA88753-5MS	47498	8.05	39232	11.12
FA88753-5MSD	49915	8.05	40999	11.12
VZ2591-ECC2586	52072	8.05	42958	11.12

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2586-ICC2586 Z65742.D 09/07/21 11:27
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
(e) Confirmation run.

Surrogate Recovery Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88753-1	O65244.D	109	97
FA88753-2	O65245.D	108	96
FA88753-3	O65246.D	109	93
FA88753-4	O65247.D	109	95
FA88753-5	O65248.D	110	94
FA88753-5	Z65872.D	107	89
FA88753-6	O65249.D	109	95
FA88753-7	O65250.D	110	92
FA88736-33MS	O65252.D	103	99
FA88736-33MSD	O65253.D	105	99
VO2559-BS	O65251.D	105	95
VO2559-MB	O65231.D	104	97

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2556-ICC2556
Lab FileID: O65171.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

Calibration Files
1 =O65167.D 2 =O65168.D 3 =O65169.D 4 =O65170.D
5 =O65171.D 6 =O65172.D 7 =O65173.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.885	0.759	0.747	0.773	0.858	0.872	0.866	0.823	7.34
3)	Chloromethane	2.460	1.215	1.002	0.995	1.026	1.049	1.026	1.253	42.85
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
	Response Ratio = 0.00000 + 1.03043 *A + 0.00041 *A^2									
4)	1,1-Dichloroethen	1.020	0.962	0.931	1.139	1.077	1.101	1.111	1.049	7.56
5)	Methylene Chlorid			3.240	2.249	1.490	1.379	1.299	1.931	42.64
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9927									
	Response Ratio = 0.00000 + 1.39006 *A									
6)	trans-1,2-Dichlor	1.020	0.962	0.931	1.139	1.077	1.101	1.111	1.049	7.56
7)	1,1-Dichloroethan	1.150	1.109	1.060	1.260	1.181	1.214	1.224	1.171	5.95
8)	cis-1,2-Dichloroe	0.531	0.479	0.461	0.559	0.531	0.543	0.550	0.522	7.15
9)	Chloroform	1.230	1.056	1.060	1.226	1.140	1.165	1.173	1.150	6.14
10)	Carbon Tetrachlor	0.655	0.642	0.634	0.774	0.736	0.767	0.773	0.712	9.15
11)	1,1,1-Trichloroet	0.854	0.838	0.819	0.987	0.940	0.967	0.980	0.912	7.96
12)	Benzene	2.239	1.974	1.883	2.271	2.119	2.200	2.233	2.131	6.97
13)S	1,2-Dichloroethan	0.422	0.428	0.418	0.421	0.421	0.426	0.427	0.423	0.96
14)	1,2-Dichloroethan	1.139	1.029	1.004	1.172	1.082	1.121	1.134	1.097	5.64
15)	Trichloroethene	0.614	0.619	0.600	0.743	0.668	0.665	0.676	0.655	7.50
16)	1,2-Dichloropropa	0.651	0.619	0.600	0.708	0.660	0.683	0.694	0.659	6.01
17)	cis-1,3-Dichlorop	0.691	0.623	0.657	0.835	0.793	0.842	0.874	0.759	13.24
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.143	1.187	1.201	1.185	1.155	1.151	1.155	1.168	1.90
20)	trans-1,3-Dichlor	0.972	0.912	0.952	1.177	1.121	1.179	1.222	1.076	11.86
21)	Tetrachloroethene	0.804	0.768	0.724	0.861	0.811	0.819	0.826	0.802	5.52

(#) = Out of Range

SIMCL-09-13-2021.M Mon Sep 13 14:13:04 2021

Initial Calibration Verification

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2556-ICV2556
Lab FileID: O65175.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-13\O65175.D Vial: 14
Acq On : 13 Sep 2021 1:54 pm Operator: charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.78
2		Vinyl Chloride	0.823	0.708	14.0	84	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	8.415	15.9	86	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	1.049	1.043	0.6	98	0.01	5.46
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	10.189	-1.9	97	0.00	6.50
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	1.049	1.043	0.6	98	0.01	5.46
7		1,1-Dichloroethane	1.171	1.179	-0.7	101	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.515	1.3	99	0.01	5.46
9		Chloroform	1.150	1.093	5.0	97	0.00	9.45
10		Carbon Tetrachloride	0.712	0.691	2.9	96	0.00	9.66
11		1,1,1-Trichloroethane	0.912	0.896	1.8	97	0.00	9.76
12		Benzene	2.131	2.085	2.2	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.416	1.7	100	0.00	10.44
14		1,2-Dichloroethane	1.097	1.050	4.3	99	0.00	10.52
15		Trichloroethene	0.655	0.628	4.1	95	0.00	10.97
16		1,2-Dichloropropane	0.659	0.649	1.5	100	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.771	-1.6	99	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	13.65
19	S	Toluene-d8	1.168	1.169	-0.1	103	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.094	-1.7	99	0.00	12.77
21		Tetrachloroethene	0.802	0.784	2.2	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Mon Sep 13 14:12:56 2021

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2559-CC2556
Lab FileID: O65229.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-14\O65229.D Vial: 3
Acq On : 14 Sep 2021 1:01 pm Operator: CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	83	0.00	10.78
2		Vinyl Chloride	0.823	0.956	-16.2	92	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.760	-7.6	89	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.168	-11.3	90	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.489	-4.9	81	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.168	-11.3	90	0.00	5.45
7		1,1-Dichloroethane	1.171	1.298	-10.8	91	0.00	7.95
8		cis-1,2-Dichloroethene	0.522	0.570	-9.2	89	0.00	5.45
9		Chloroform	1.150	1.252	-8.9	91	0.00	9.45
10		Carbon Tetrachloride	0.712	0.795	-11.7	89	0.00	9.65
11		1,1,1-Trichloroethane	0.912	1.018	-11.6	90	0.00	9.75
12		Benzene	2.131	2.317	-8.7	90	0.00	10.26
13	S	1,2-Dichloroethane-d4	0.423	0.433	-2.4	85	0.00	10.44
14		1,2-Dichloroethane	1.097	1.197	-9.1	92	0.00	10.52
15		Trichloroethene	0.655	0.709	-8.2	88	0.00	10.97
16		1,2-Dichloropropane	0.659	0.728	-10.5	91	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.829	-9.2	87	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00	13.65
19	S	Toluene-d8	1.168	1.118	4.3	81	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.161	-7.9	87	0.00	12.77
21		Tetrachloroethene	0.802	0.869	-8.4	90	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Tue Sep 14 14:23:25 2021

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2559-ECC2556
Lab FileID: O65254.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-14\O65254.D Vial: 28
Acq On : 14 Sep 2021 10:38 pm Operator: CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Mon Sep 13 13:28:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	81	0.00	10.78
2		Vinyl Chloride	0.823	0.971	-18.0	91	0.00	3.50
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.525	-5.3	85	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	1.049	1.153	-9.9	86	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.421	-4.2	78	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	1.049	1.153	-9.9	86	0.00	5.45
7		1,1-Dichloroethane	1.171	1.297	-10.8	89	0.00	7.96
8		cis-1,2-Dichloroethene	0.522	0.557	-6.7	85	0.00	5.46
9		Chloroform	1.150	1.245	-8.3	88	0.00	9.46
10		Carbon Tetrachloride	0.712	0.773	-8.6	85	0.00	9.66
11		1,1,1-Trichloroethane	0.912	1.004	-10.1	86	0.00	9.76
12		Benzene	2.131	2.271	-6.6	86	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.423	0.440	-4.0	84	0.00	10.44
14		1,2-Dichloroethane	1.097	1.188	-8.3	88	0.00	10.53
15		Trichloroethene	0.655	0.710	-8.4	86	0.00	10.97
16		1,2-Dichloropropane	0.659	0.716	-8.6	87	0.00	11.53
17		cis-1,3-Dichloropropene	0.759	0.789	-4.0	80	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00	13.65
19	S	Toluene-d8	1.168	1.100	5.8	78	0.00	12.37
20		trans-1,3-Dichloropropene	1.076	1.093	-1.6	80	0.00	12.77
21		Tetrachloroethene	0.802	0.843	-5.1	85	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65171.D SIMCL-09-13-2021.M Wed Sep 15 09:08:42 2021

Initial Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICC2586
Lab FileID: Z65742.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Calibration Files
1 =Z65738.D 2 =Z65739.D 3 =Z65740.D 4 =Z65741.D
5 =Z65742.D 6 =Z65743.D 7 =Z65744.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.500	0.478	0.516	0.541	0.533	0.531	0.572	0.524	5.76
3)	Chloromethane	1.202	0.657	0.608	0.579	0.557	0.552	0.593	0.678	34.44
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.52714 *A + 0.01459 *A^2									
4)	1,1-Dichloroethen	0.477	0.699	0.641	0.675	0.683	0.698	0.738	0.659	12.94
5)	Methylene Chlorid		1.772	0.995	0.780	0.751	0.725	1.005	44.03	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9967									
	Response Ratio = 0.00000 + 0.75449 *A									
6)	trans-1,2-Dichlor	0.433	0.659	0.607	0.629	0.641	0.657	0.690	0.617	13.77
7)	1,1-Dichloroethan	0.508	0.768	0.705	0.729	0.741	0.760	0.798	0.715	13.43
8)	cis-1,2-Dichloroe	0.342	0.516	0.463	0.476	0.484	0.498	0.523	0.472	12.92
9)	Chloroform	0.723	0.925	0.890	0.878	0.878	0.900	0.940	0.876	8.15
10)	Carbon Tetrachlor	0.418	0.593	0.581	0.607	0.611	0.628	0.664	0.586	13.47
11)	1,1,1-Trichloroet	0.537	0.723	0.711	0.733	0.742	0.756	0.795	0.714	11.57
12)	Benzene	1.247	1.737	1.591	1.628	1.642	1.669	1.754	1.610	10.57
13)S	1,2-Dichloroethan	0.343	0.345	0.356	0.331	0.329	0.330	0.330	0.338	3.06
14)	1,2-Dichloroethan	0.439	0.618	0.570	0.588	0.595	0.603	0.627	0.577	11.03
15)	Trichloroethene	0.361	0.492	0.454	0.473	0.480	0.489	0.515	0.466	10.72
16)	1,2-Dichloropropa	0.301	0.444	0.405	0.412	0.414	0.418	0.435	0.404	11.76
17)	cis-1,3-Dichlorop	0.405	0.582	0.627	0.654	0.673	0.682	0.705	0.618	16.52
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.63286 *A + 0.01776 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.197	1.228	1.212	1.211	1.214	1.201	1.202	1.209	0.85
20)	trans-1,3-Dichlor	0.383	0.548	0.697	0.741	0.781	0.814	0.845	0.687	24.12
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.71123 *A + 0.03365 *A^2									
21)	Tetrachloroethene	0.423	0.651	0.589	0.619	0.628	0.636	0.667	0.602	13.75
22)	1,4-Dichlorobenze	0.908	1.346	1.250	1.306	1.360	1.416	1.489	1.296	14.48
23)	1,2-Dibromo-3-Chl	0.101	0.096	0.094	0.097	0.106	0.113	0.124	0.105	10.44

(#) = Out of Range

SIMCL-09-07-2021.M Tue Sep 07 13:39:09 2021

Initial Calibration Verification

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-07\Z65746.D Vial: 11
Acq On : 7 Sep 2021 12:48 pm Operator: CHARLENG
Sample : icv2586-5 Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	8.05
2		Vinyl Chloride	0.524	0.503	4.0	83	0.00	3.39
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	9.200	8.0	81	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.743	-12.7	96	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.764	-7.6	92	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.694	-12.5	96	0.00	5.54
7		1,1-Dichloroethane	0.715	0.844	-18.0	101	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.538	-14.0	98	0.00	6.78
9		Chloroform	0.876	0.960	-9.6	97	0.00	7.04
10		Carbon Tetrachloride	0.586	0.678	-15.7	98	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.812	-13.7	97	0.00	7.28
12		Benzene	1.610	1.765	-9.6	95	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	90	0.00	7.78
14		1,2-Dichloroethane	0.577	0.639	-10.7	95	0.00	7.85
15		Trichloroethene	0.466	0.526	-12.9	97	0.00	8.21
16		1,2-Dichloropropane	0.404	0.436	-7.9	93	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.827	1.7	86	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	11.12
19	S	Toluene-d8	1.209	1.191	1.5	86	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.564	-5.6	92	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.673	-11.8	93	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.550	-19.6	99	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.120	-14.3	98	0.00	14.65

Initial Calibration Verification

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Tue Sep 07 13:38:58 2021

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2591-CC2586
Lab FileID: Z65865.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65865.D Vial: 31
Acq On : 11 Sep 2021 12:19 am Operator: CHARLENG
Sample : CC2586-5 Inst : MSVOA15
Misc : MS49753,VZ2591,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.05
2		Vinyl Chloride	0.524	0.609	-16.2	99	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.877	-8.8	95	0.00	3.25
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.687	-4.2	87	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.328	-3.3	87	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.675	-9.4	91	0.00	5.54
7		1,1-Dichloroethane	0.715	0.803	-12.3	94	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.531	-12.5	95	0.00	6.78
9		Chloroform	0.876	0.987	-12.7	97	0.00	7.04
10		Carbon Tetrachloride	0.586	0.683	-16.6	97	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.821	-15.0	96	0.00	7.28
12		Benzene	1.610	1.739	-8.0	92	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.333	1.5	88	0.00	7.78
14		1,2-Dichloroethane	0.577	0.612	-6.1	89	0.00	7.85
15		Trichloroethene	0.466	0.558	-19.7	101	0.00	8.21
16		1,2-Dichloropropane	0.404	0.434	-7.4	91	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.114	8.9	78	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	11.12
19	S	Toluene-d8	1.209	1.052	13.0	82	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.645	13.6	81	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.710	-17.9	107	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.455	-12.3	102	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.086	18.1	77	0.00	14.64

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2591-CC2586
Lab FileID: Z65865.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Z65742.D   SIMCL-09-07-2021.M        Sat Sep 11 09:17:16 2021
```

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2591-ECC2586
Lab FileID: Z65885.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65885.D Vial: 51
Acq On : 11 Sep 2021 7:03 am Operator: CHARLENG
Sample : ECC2586-5 Inst : MSVOA15
Misc : MS49710,VZ2591,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	86	0.00	8.05
2		Vinyl Chloride	0.524	0.597	-13.9	97	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.962	-9.6	95	0.00	3.26
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.693	-5.2	87	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.098	-11.0	93	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.649	-5.2	87	0.00	5.55
7		1,1-Dichloroethane	0.715	0.777	-8.7	90	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.503	-6.6	90	0.00	6.78
9		Chloroform	0.876	0.948	-8.2	93	0.00	7.04
10		Carbon Tetrachloride	0.586	0.683	-16.6	96	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.836	-17.1	97	0.00	7.28
12		Benzene	1.610	1.796	-11.6	94	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.333	1.5	87	0.00	7.78
14		1,2-Dichloroethane	0.577	0.631	-9.4	91	0.00	7.85
15		Trichloroethene	0.466	0.590	-26.6	106	0.00	8.21
16		1,2-Dichloropropane	0.404	0.452	-11.9	94	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.636	13.6	73	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	11.12
19	S	Toluene-d8	1.209	1.035	14.4	83	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	7.733	22.7	74	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.721	-19.8	112	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.447	-11.7	104	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.077	26.7	71	0.00	14.64

Continuing Calibration Summary

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2591-ECC2586
Lab FileID: Z65885.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Sat Sep 11 09:17:31 2021

Run Sequence Report

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2556 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2556-BFB	O65163.D	09/13/21 09:16	n/a	BFB Tune
VO2556-IC2556	O65167.D	09/13/21 10:50	n/a	Initial cal 1
VO2556-IC2556	O65168.D	09/13/21 11:13	n/a	Initial cal 2
VO2556-IC2556	O65169.D	09/13/21 11:36	n/a	Initial cal 3
VO2556-IC2556	O65170.D	09/13/21 11:59	n/a	Initial cal 4
VO2556-ICC2556	O65171.D	09/13/21 12:22	n/a	Initial cal 5
VO2556-IC2556	O65172.D	09/13/21 12:45	n/a	Initial cal 6
VO2556-IC2556	O65173.D	09/13/21 13:08	n/a	Initial cal 7
VO2556-ICV2556	O65175.D	09/13/21 13:54	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2559 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2559-BFB	O65228.D	09/14/21 12:38	n/a	BFB Tune
VO2559-CC2556	O65229.D	09/14/21 13:01	n/a	Continuing cal 5
VO2559-MB	O65231.D	09/14/21 13:47	n/a	Method Blank
ZZZZZZ	O65233.D	09/14/21 14:35	n/a	(unrelated sample)
ZZZZZZ	O65234.D	09/14/21 14:58	n/a	(unrelated sample)
ZZZZZZ	O65235.D	09/14/21 15:21	n/a	(unrelated sample)
FA88736-33	O65236.D	09/14/21 15:44	n/a	(used for QC only; not part of job FA88753)
ZZZZZZ	O65237.D	09/14/21 16:07	n/a	(unrelated sample)
ZZZZZZ	O65238.D	09/14/21 16:30	n/a	(unrelated sample)
ZZZZZZ	O65239.D	09/14/21 16:53	n/a	(unrelated sample)
ZZZZZZ	O65240.D	09/14/21 17:15	n/a	(unrelated sample)
ZZZZZZ	O65241.D	09/14/21 17:38	n/a	(unrelated sample)
ZZZZZZ	O65242.D	09/14/21 18:01	n/a	(unrelated sample)
ZZZZZZ	O65243.D	09/14/21 18:24	n/a	(unrelated sample)
FA88753-1	O65244.D	09/14/21 18:47	n/a	2135X0BW198F
FA88753-2	O65245.D	09/14/21 19:11	n/a	2135X0BW205F
FA88753-3	O65246.D	09/14/21 19:34	n/a	2135X0BW235F
FA88753-4	O65247.D	09/14/21 19:57	n/a	2135W0BW240F
FA88753-5	O65248.D	09/14/21 20:20	n/a	2135X0BW241C
FA88753-6	O65249.D	09/14/21 20:44	n/a	2135YOU2082F
FA88753-7	O65250.D	09/14/21 21:07	n/a	2135Y0BW084C
VO2559-BS	O65251.D	09/14/21 21:30	n/a	Blank Spike
FA88736-33MS	O65252.D	09/14/21 21:53	n/a	Matrix Spike
FA88736-33MSD	O65253.D	09/14/21 22:15	n/a	Matrix Spike Duplicate
VO2559-ECC2556	O65254.D	09/14/21 22:38	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2586 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2586-BFB	Z65736.D	09/07/21 08:35	n/a	BFB Tune
VZ2586-IC2586	Z65738.D	09/07/21 10:06	n/a	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21 10:26	n/a	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21 10:46	n/a	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21 11:07	n/a	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21 11:27	n/a	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21 11:47	n/a	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21 12:08	n/a	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21 12:48	n/a	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21 14:21	n/a	Blank Spike
VZ2586-MB	Z65750.D	09/07/21 14:41	n/a	Method Blank
ZZZZZZ	Z65751.D	09/07/21 15:05	n/a	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21 15:26	n/a	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21 15:46	n/a	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21 16:07	n/a	(unrelated sample)
FA88619-2	Z65755.D	09/07/21 16:27	n/a	(used for QC only; not part of job FA88753)
ZZZZZZ	Z65756.D	09/07/21 16:48	n/a	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21 17:08	n/a	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21 17:29	n/a	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21 17:49	n/a	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21 18:09	n/a	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21 18:30	n/a	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21 18:50	n/a	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21 19:11	n/a	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21 19:31	n/a	(unrelated sample)
FA88619-2MS	Z65765.D	09/07/21 19:52	n/a	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21 20:12	n/a	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21 20:32	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88753
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2591 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2591-BFB	Z65864.D	09/10/21 23:58	n/a	BFB Tune
VZ2591-CC2586	Z65865.D	09/11/21 00:19	n/a	Continuing cal 5
VZ2591-BS	Z65866.D	09/11/21 00:39	n/a	Blank Spike
VZ2591-MB	Z65867.D	09/11/21 00:59	n/a	Method Blank
FA88753-5	Z65872.D	09/11/21 02:40	n/a	2135X0BW241C
ZZZZZZ	Z65875.D	09/11/21 03:41	n/a	(unrelated sample)
ZZZZZZ	Z65876.D	09/11/21 04:01	n/a	(unrelated sample)
ZZZZZZ	Z65877.D	09/11/21 04:21	n/a	(unrelated sample)
ZZZZZZ	Z65878.D	09/11/21 04:41	n/a	(unrelated sample)
ZZZZZZ	Z65879.D	09/11/21 05:02	n/a	(unrelated sample)
ZZZZZZ	Z65880.D	09/11/21 05:22	n/a	(unrelated sample)
ZZZZZZ	Z65881.D	09/11/21 05:42	n/a	(unrelated sample)
ZZZZZZ	Z65882.D	09/11/21 06:02	n/a	(unrelated sample)
FA88753-5MS	Z65883.D	09/11/21 06:22	n/a	Matrix Spike
FA88753-5MSD	Z65884.D	09/11/21 06:43	n/a	Matrix Spike Duplicate
VZ2591-ECC2586	Z65885.D	09/11/21 07:03	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65244.D
Acq On : 14 Sep 2021 6:47 pm
Operator : CHARLENG
Sample : FA88753-1 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 15 09:00:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

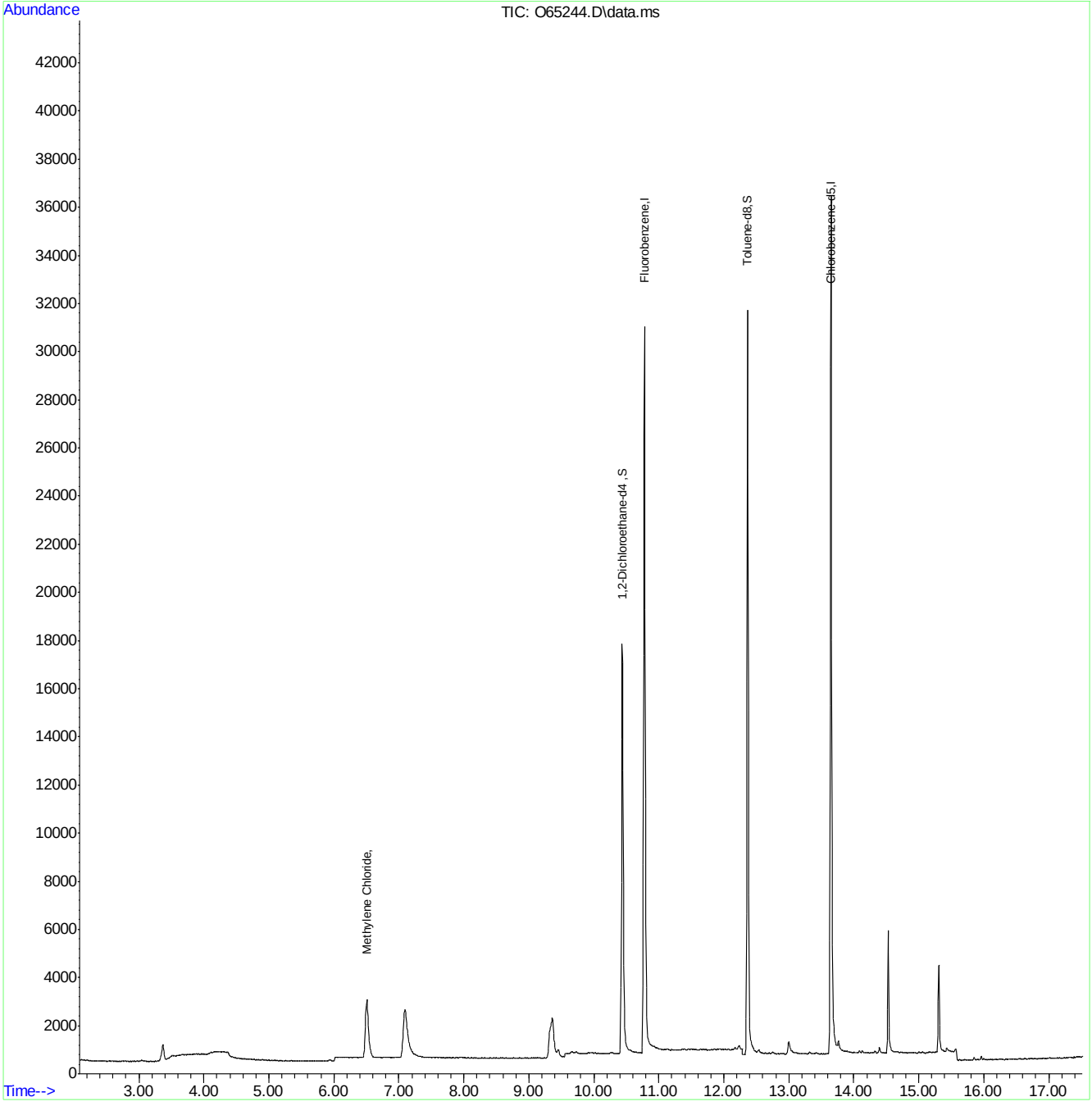
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35104	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25023	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16156	5.44	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 108.80%			
19) Toluene-d8	12.367	98	28466	4.87	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3194	0.33	ug/L	87

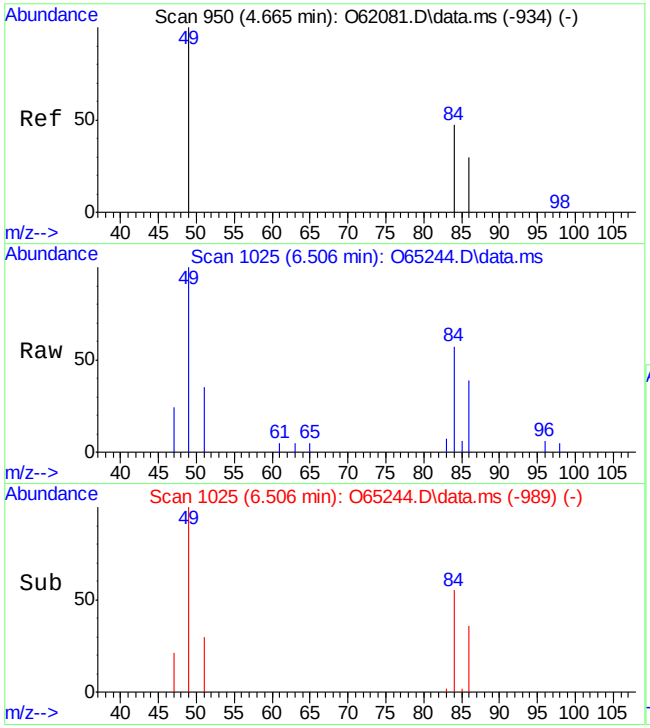
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65244.D
Acq On : 14 Sep 2021 6:47 pm
Operator : CHARLENG
Sample : FA88753-1 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 15 09:00:51 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

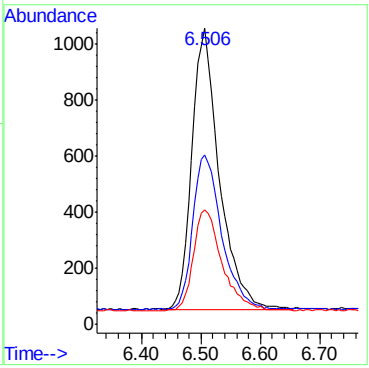




#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65244.D
Acq: 14 Sep 2021 6:47 pm

Tgt Ion: 49 Resp: 3194

Ion	Ratio	Lower	Upper
49	100		
84	54.7	35.5	95.5
86	35.9	12.8	72.8



7.1.1

7

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65245.D
Acq On : 14 Sep 2021 7:11 pm
Operator : CHARLENG
Sample : FA88753-2 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 15 09:01:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

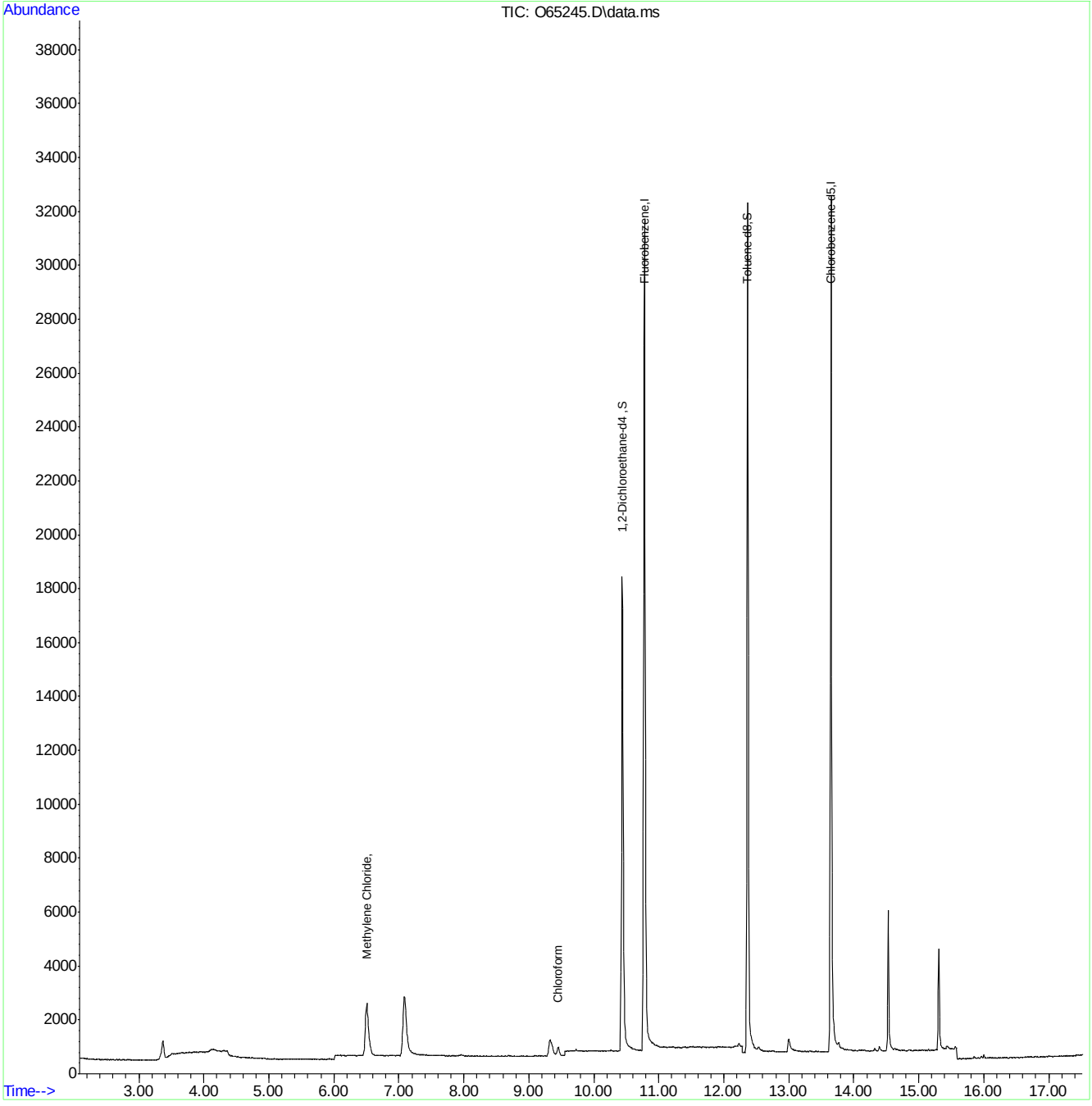
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36381	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25489	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16571	5.38	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.60%			
19) Toluene-d8	12.367	98	28442	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	2757	0.27	ug/L	93
9) Chloroform	9.450	83	339m	0.04	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

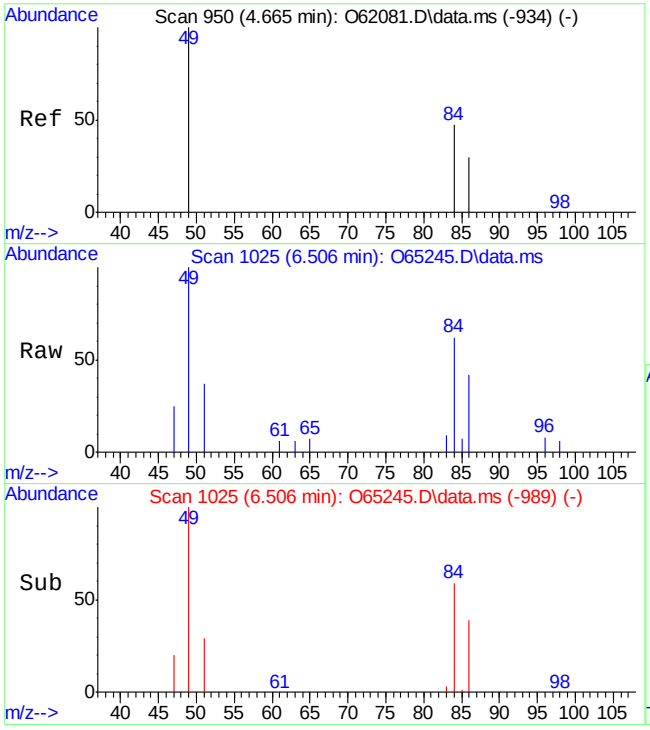
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65245.D
Acq On : 14 Sep 2021 7:11 pm
Operator : CHARLENG
Sample : FA88753-2 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 15 09:01:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



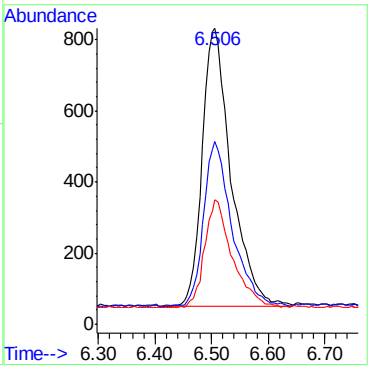
SIMCL-09-13-2021.M Wed Sep 15 09:12:26 2021 Page: 2

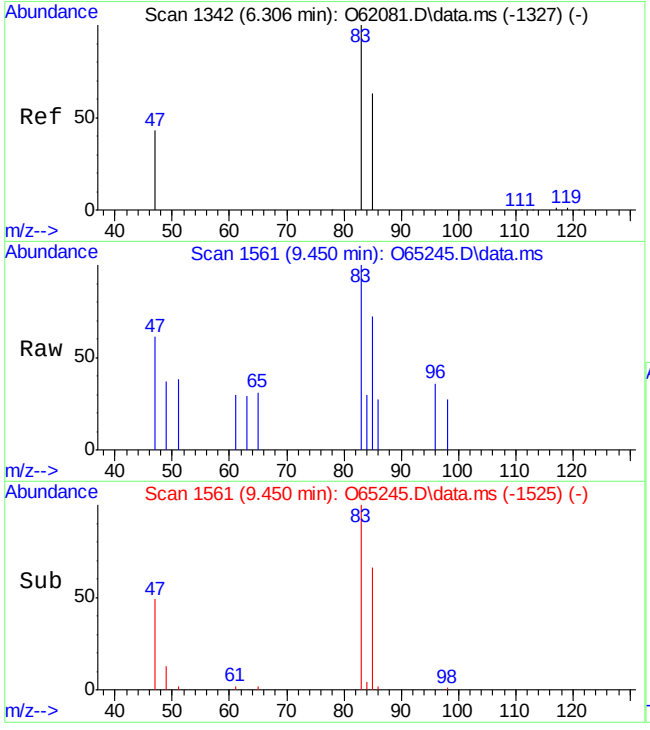


#5
Methylene Chloride
Concen: 0.27 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65245.D
Acq: 14 Sep 2021 7:11 pm

Tgt Ion: 49 Resp: 2757

Ion	Ratio	Lower	Upper
49	100		
84	59.2	35.5	95.5
86	38.7	12.8	72.8

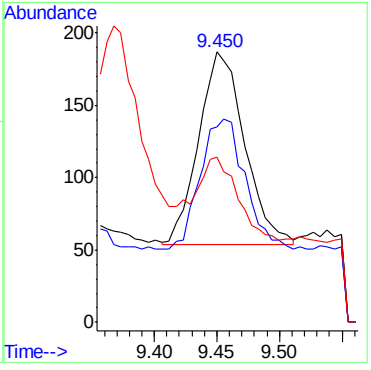




#9
Chloroform
Concen: 0.04 ug/L m
RT: 9.450 min Scan# 1561
Delta R.T. 0.000 min
Lab File: O65245.D
Acq: 14 Sep 2021 7:11 pm

Tgt Ion: 83 Resp: 339

Ion	Ratio	Lower	Upper
83	100		
85	72.2	33.7	93.7
47	61.0	5.1	65.1



Manual Integration Approval Summary

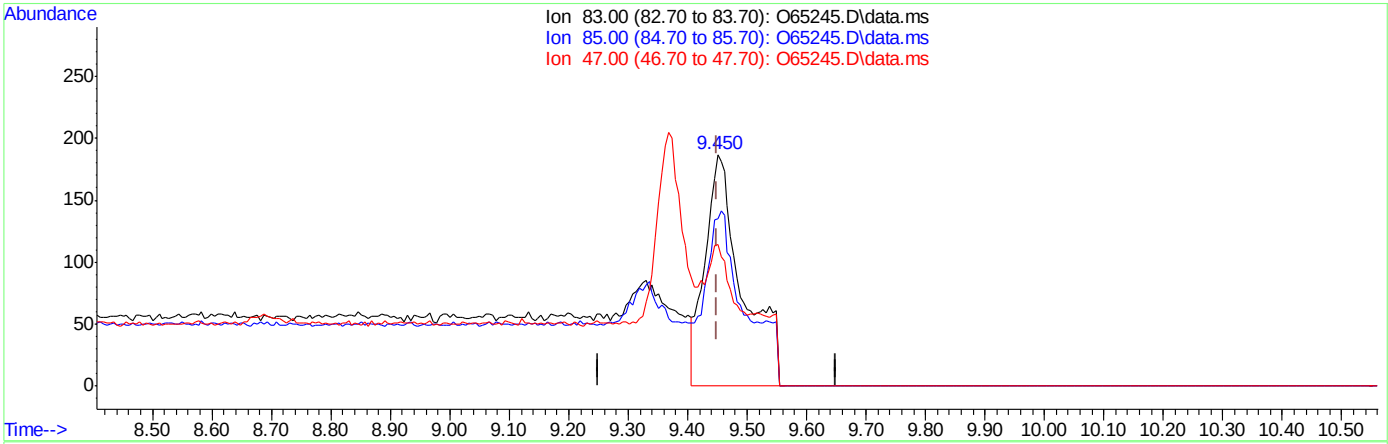
Sample Number: FA88753-2
Lab FileID: O65245.D
Injection Time: 09/14/21 19:11
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

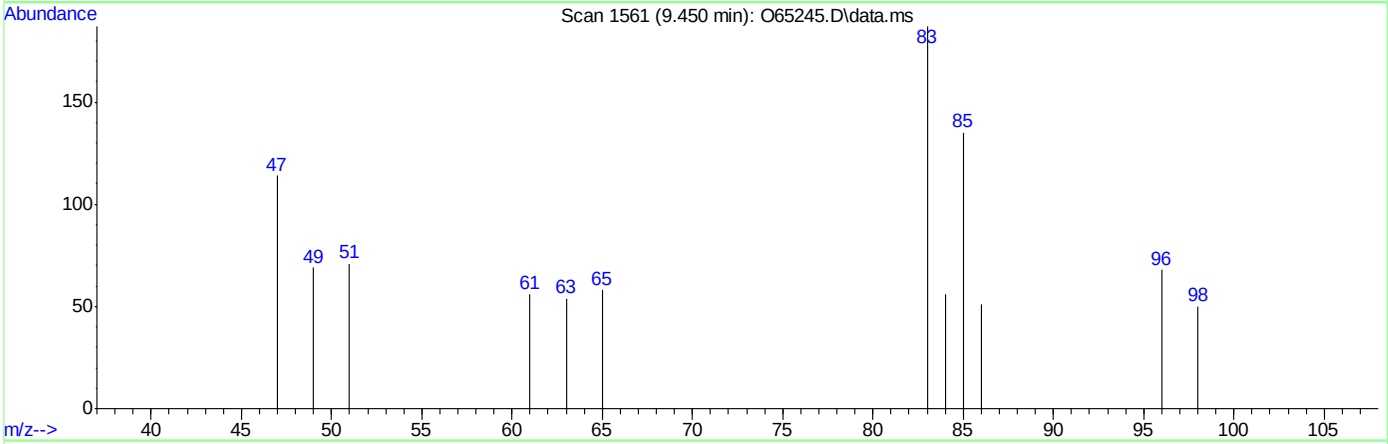
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65245.D
Acq On : 14 Sep 2021 7:11 pm
Operator : CHARLENG
Sample : FA88753-2 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 15 08:31:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65245.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.10ug/L

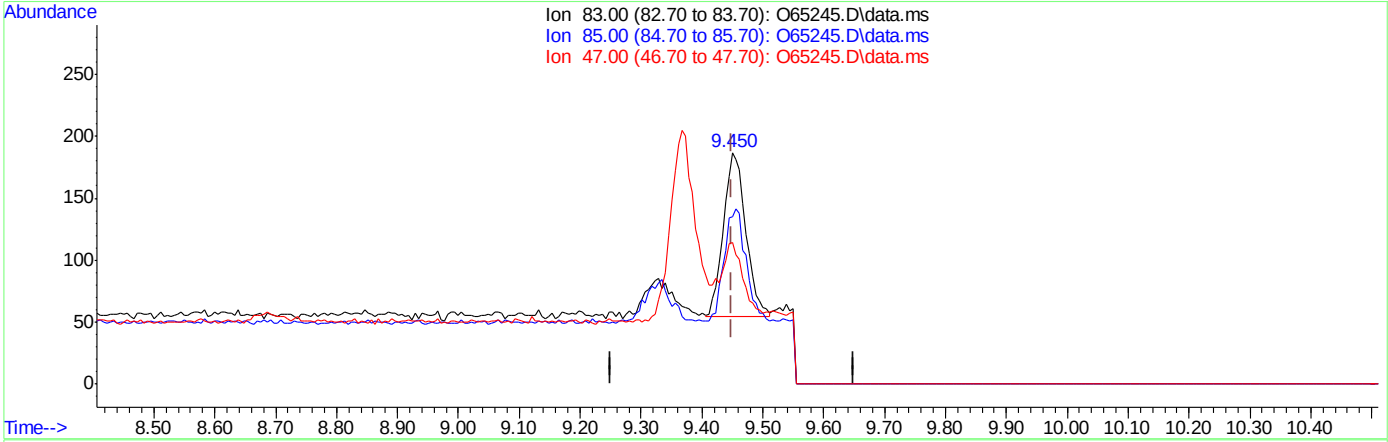
response 823

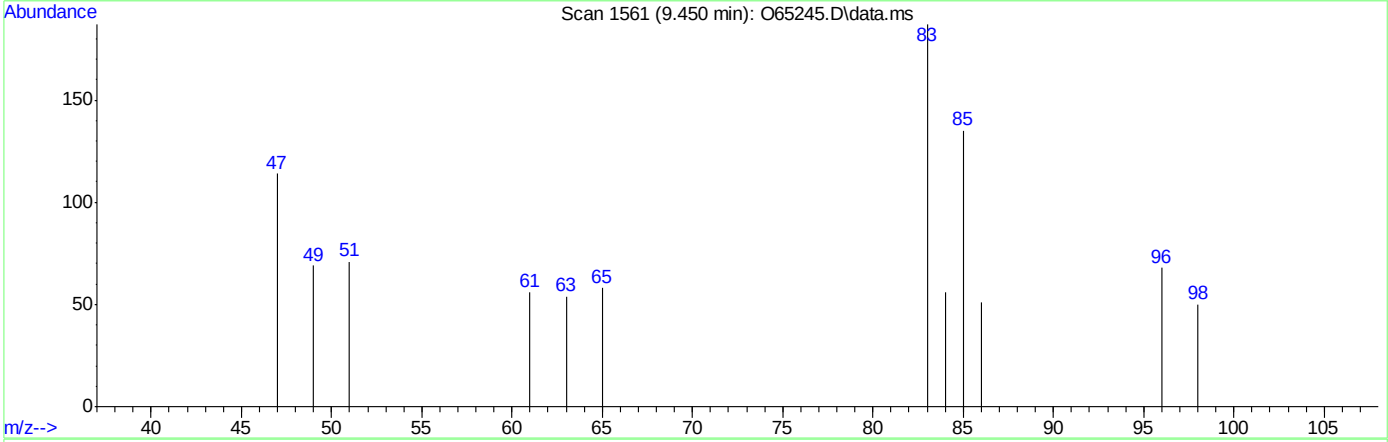
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	72.19
47.00	35.10	60.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65245.D
Acq On : 14 Sep 2021 7:11 pm
Operator : CHARLENG
Sample : FA88753-2 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 15 08:31:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65245.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.04ug/L m

response 339

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	72.19
47.00	35.10	60.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65246.D
Acq On : 14 Sep 2021 7:34 pm
Operator : CHARLENG
Sample : FA88753-3 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 09:01:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

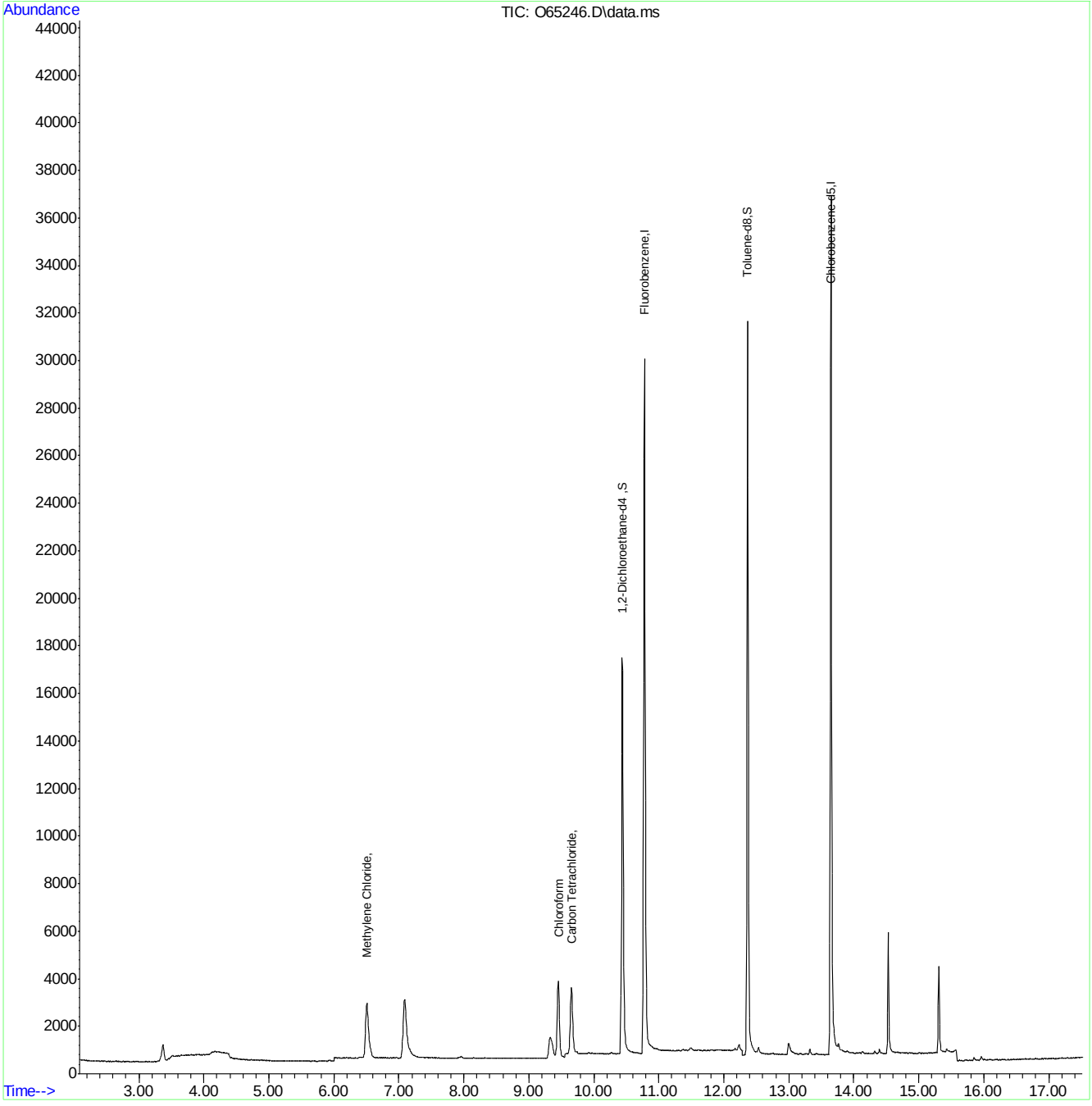
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34353	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24786	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15860	5.45	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.00%			
19) Toluene-d8	12.367	98	27020	4.67	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3106	0.33	ug/L	90
9) Chloroform	9.456	83	3671m	0.46	ug/L	
10) Carbon Tetrachloride	9.656	117	2592	0.53	ug/L	99

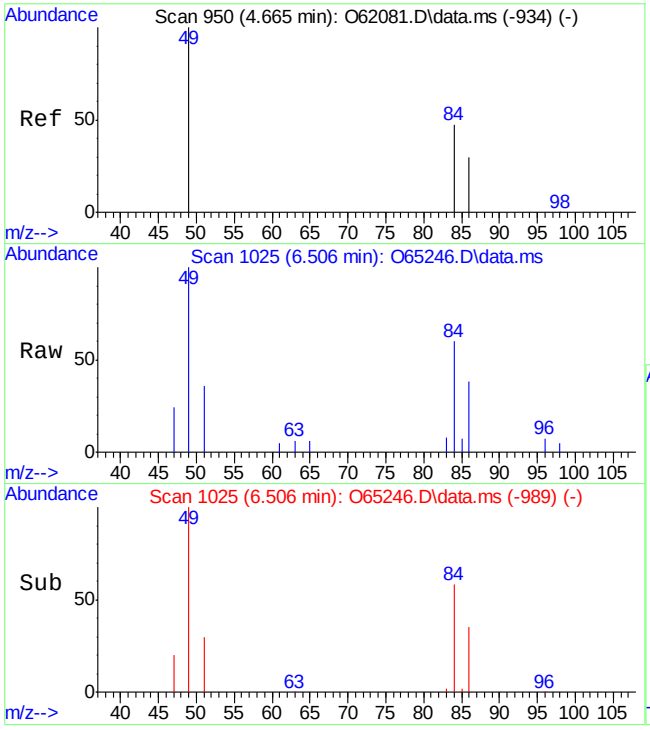
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65246.D
Acq On : 14 Sep 2021 7:34 pm
Operator : CHARLENG
Sample : FA88753-3 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 09:01:15 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

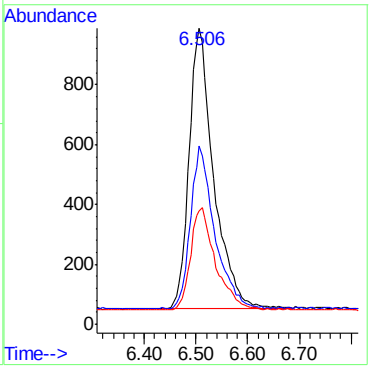


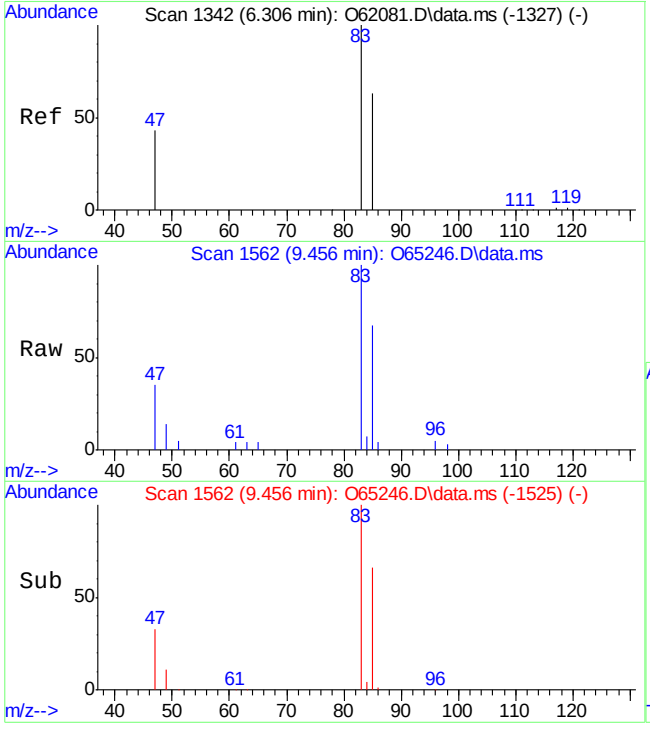


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65246.D
Acq: 14 Sep 2021 7:34 pm

Tgt Ion: 49 Resp: 3106

Ion	Ratio	Lower	Upper
49	100		
84	58.1	35.5	95.5
86	35.3	12.8	72.8

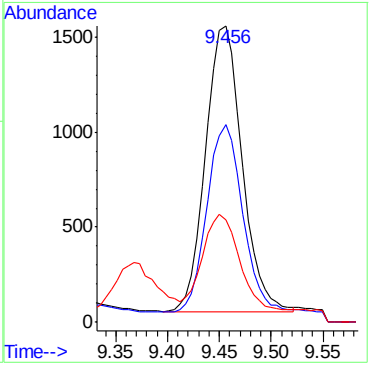


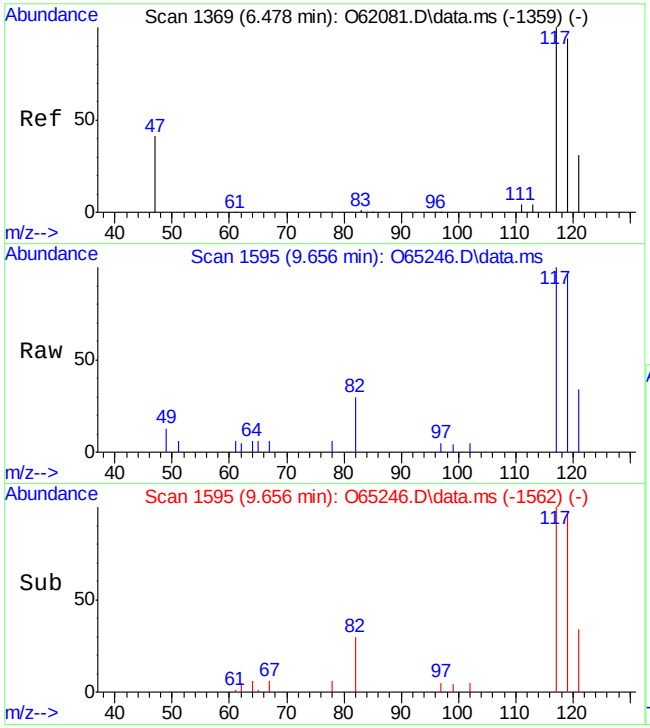


#9
Chloroform
Concen: 0.46 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65246.D
Acq: 14 Sep 2021 7:34 pm

Tgt Ion: 83 Resp: 3671

Ion	Ratio	Lower	Upper
83	100		
85	66.6	33.7	93.7
47	34.6	5.1	65.1

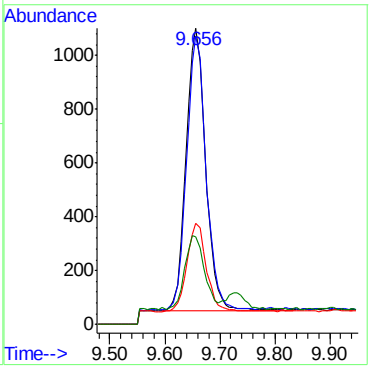




#10
Carbon Tetrachloride
Concen: 0.53 ug/L
RT: 9.656 min Scan# 1595
Delta R.T. -0.001 min
Lab File: O65246.D
Acq: 14 Sep 2021 7:34 pm

Tgt Ion:117 Resp: 2592

Ion	Ratio	Lower	Upper
117	100		
119	97.1	68.2	128.2
121	31.2	1.1	61.1
82	25.5	0.0	54.2



Manual Integration Approval Summary

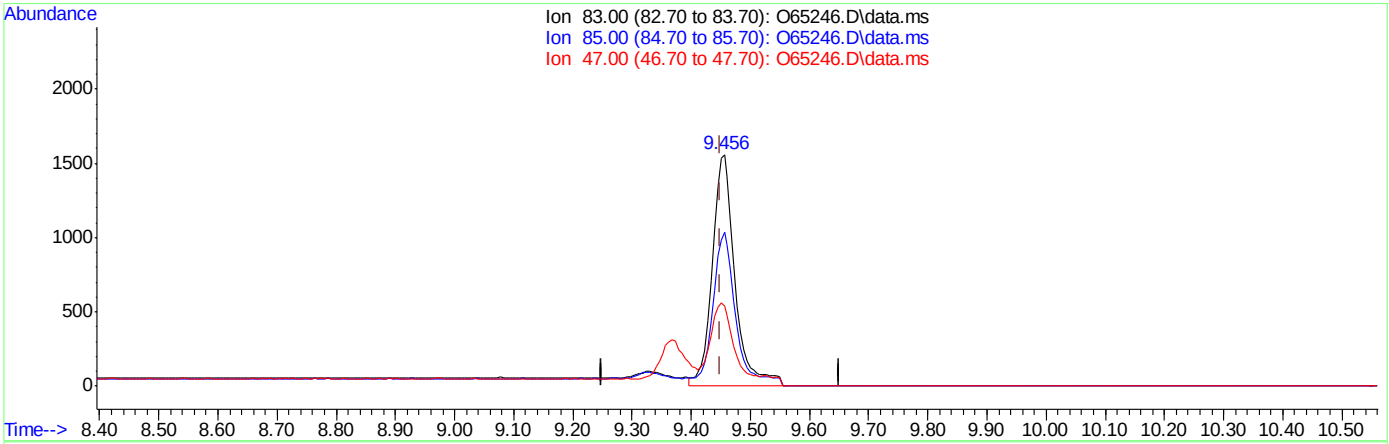
Sample Number: FA88753-3
Lab FileID: O65246.D
Injection Time: 09/14/21 19:34
Method: SW846 8260B BY SIM
Analyst approved: 09/15/21 09:08 Charlene Gonzalez
Supervisor approved: 09/19/21 23:34 Chelsea VanDenBurg

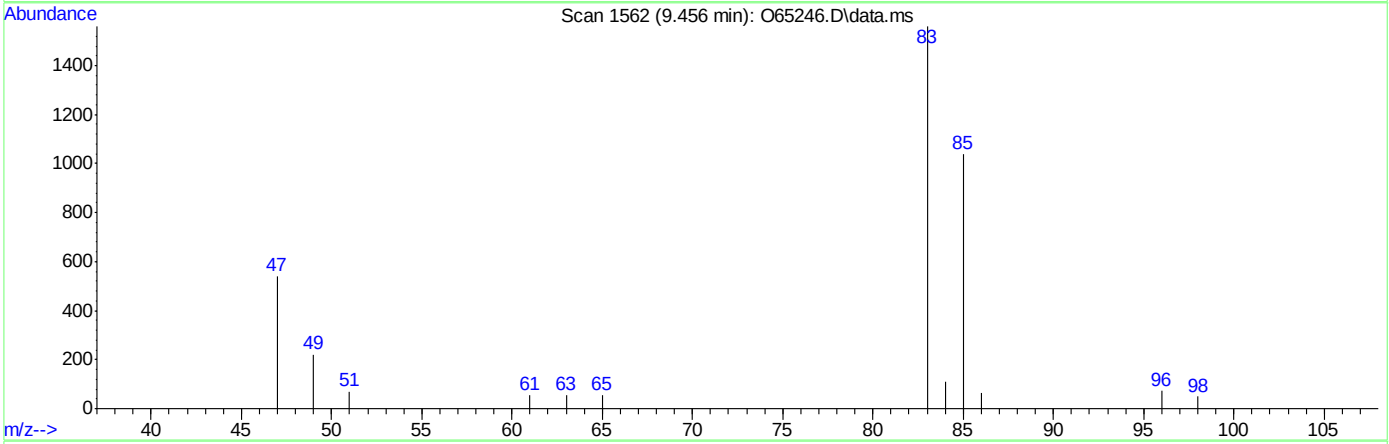
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65246.D
Acq On : 14 Sep 2021 7:34 pm
Operator : CHARLENG
Sample : FA88753-3 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 08:31:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65246.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.53ug/L

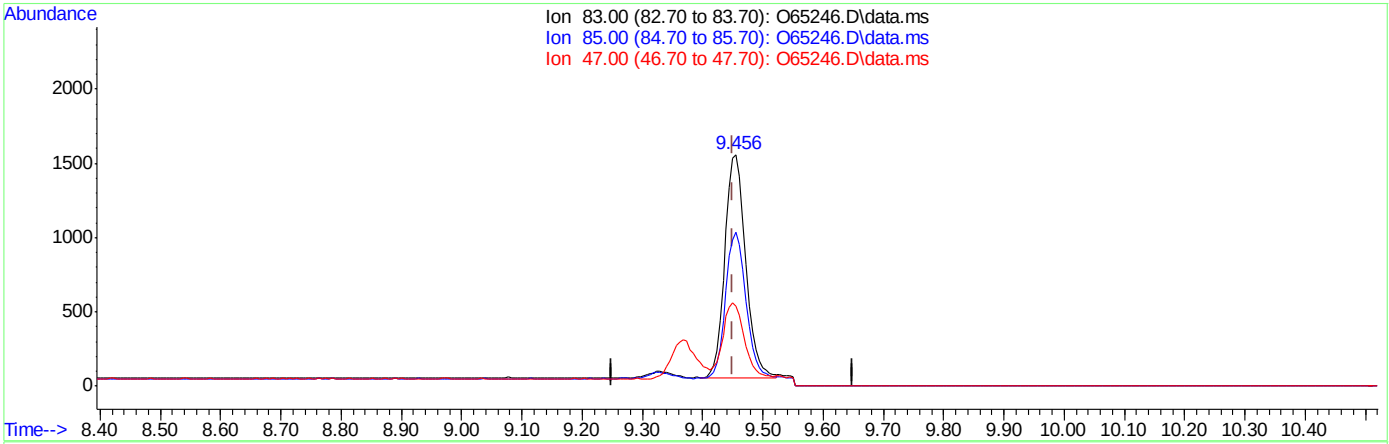
response 4223

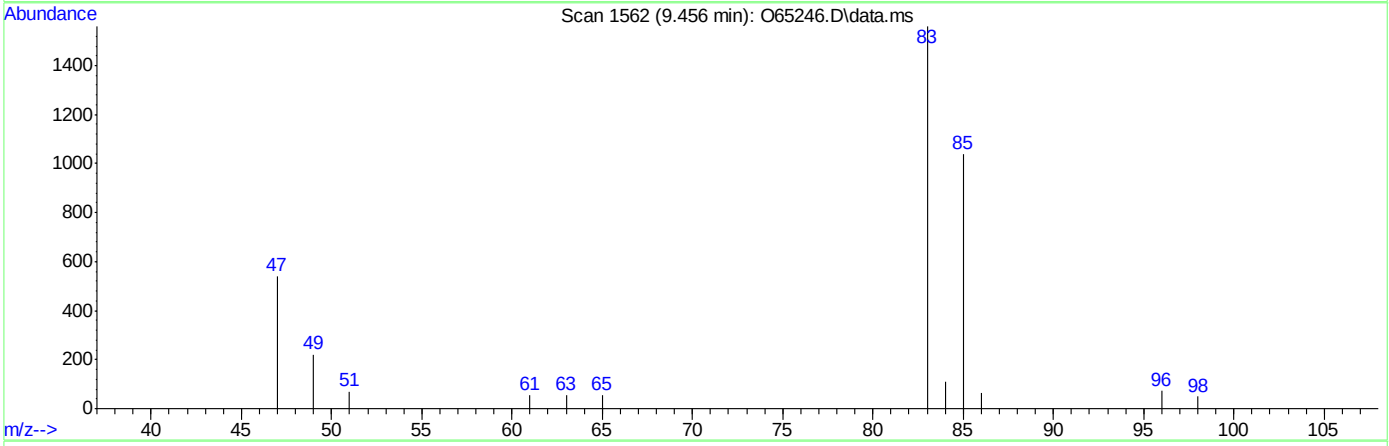
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.60
47.00	35.10	34.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65246.D
Acq On : 14 Sep 2021 7:34 pm
Operator : CHARLENG
Sample : FA88753-3 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 08:31:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65246.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.46ug/L m

response 3671

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.60
47.00	35.10	34.62
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/19/21 23:34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65247.D
Acq On : 14 Sep 2021 7:57 pm
Operator : CHARLENG
Sample : FA88753-4 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 15 09:01:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

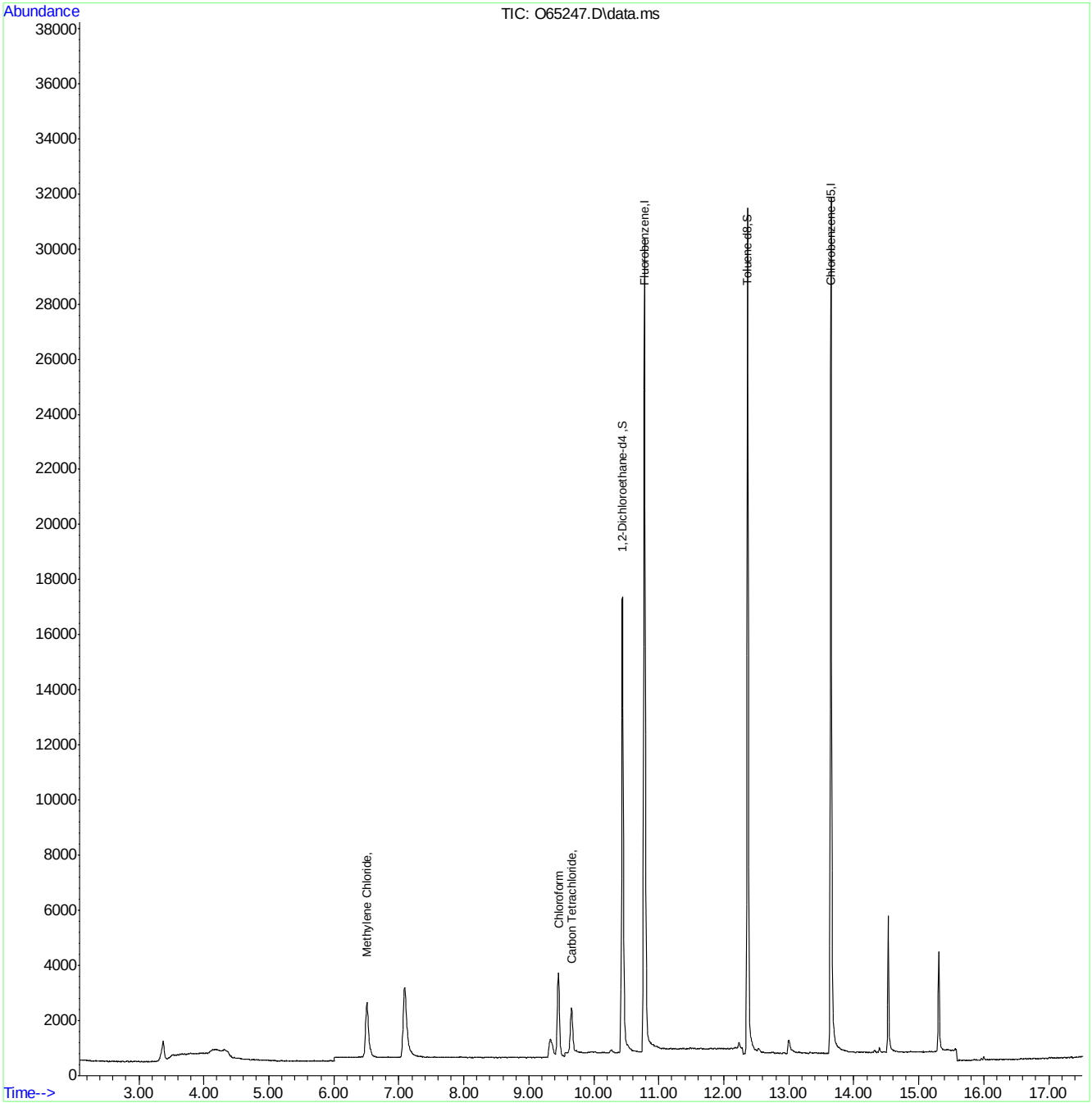
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34846	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24446	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16095	5.46	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.20%			
19) Toluene-d8	12.367	98	27259	4.77	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	2584	0.27	ug/L	90
9) Chloroform	9.456	83	3467m	0.43	ug/L	
10) Carbon Tetrachloride	9.657	117	1481	0.30	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

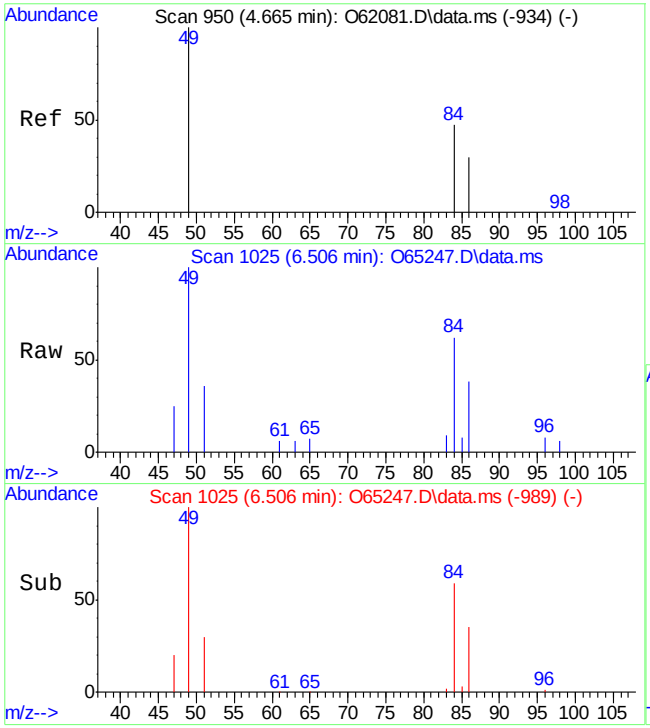
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65247.D
Acq On : 14 Sep 2021 7:57 pm
Operator : CHARLENG
Sample : FA88753-4 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 15 09:01:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



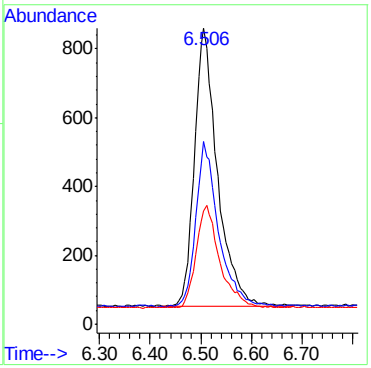
SIMCL-09-13-2021.M Wed Sep 15 09:12:30 2021 Page: 2

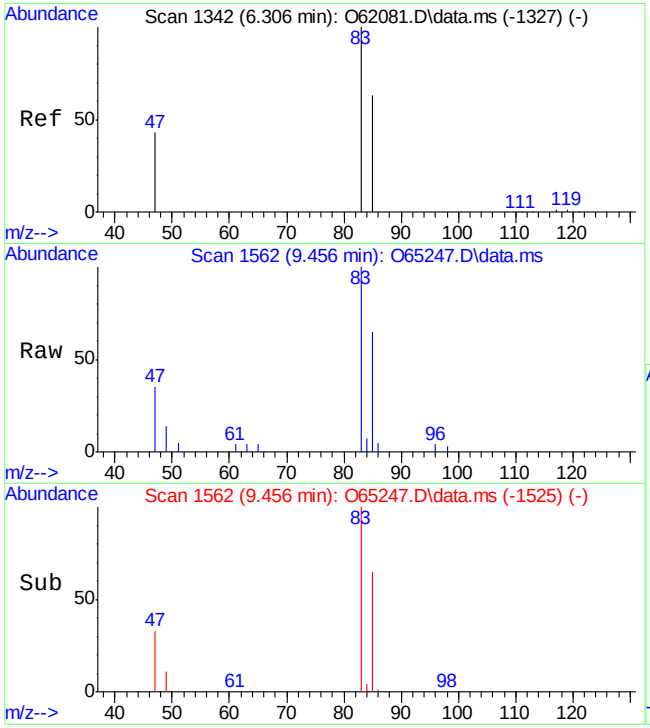


#5
Methylene Chloride
Concen: 0.27 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65247.D
Acq: 14 Sep 2021 7:57 pm

Tgt Ion: 49 Resp: 2584

Ion	Ratio	Lower	Upper
49	100		
84	59.0	35.5	95.5
86	34.5	12.8	72.8

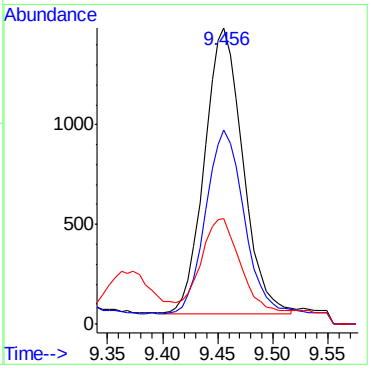


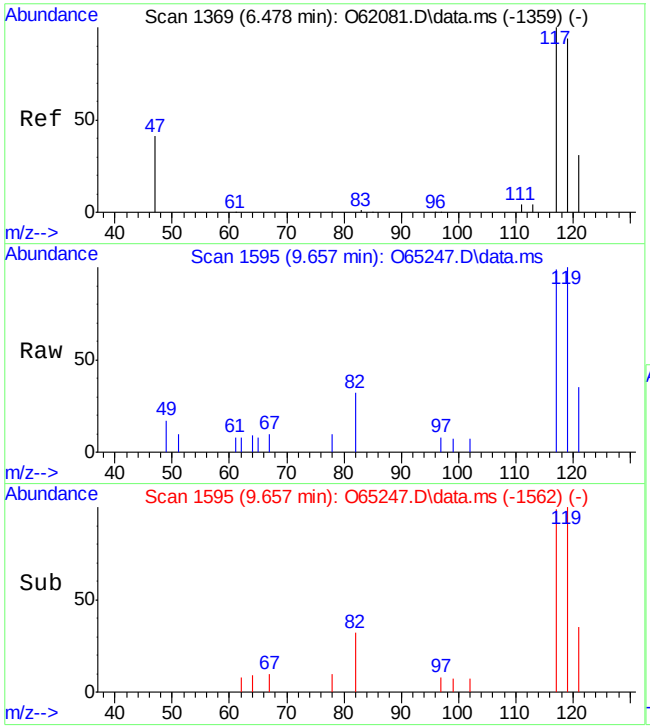


#9
Chloroform
Concen: 0.43 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65247.D
Acq: 14 Sep 2021 7:57 pm

Tgt Ion: 83 Resp: 3467

Ion	Ratio	Lower	Upper
83	100		
85	65.5	33.7	93.7
47	35.5	5.1	65.1

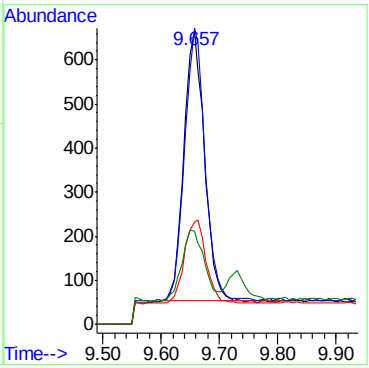




#10
Carbon Tetrachloride
Concen: 0.30 ug/L
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65247.D
Acq: 14 Sep 2021 7:57 pm

Tgt Ion:117 Resp: 1481

Ion	Ratio	Lower	Upper
117	100		
119	101.0	68.2	128.2
121	30.1	1.1	61.1
82	25.9	0.0	54.2



Manual Integration Approval Summary

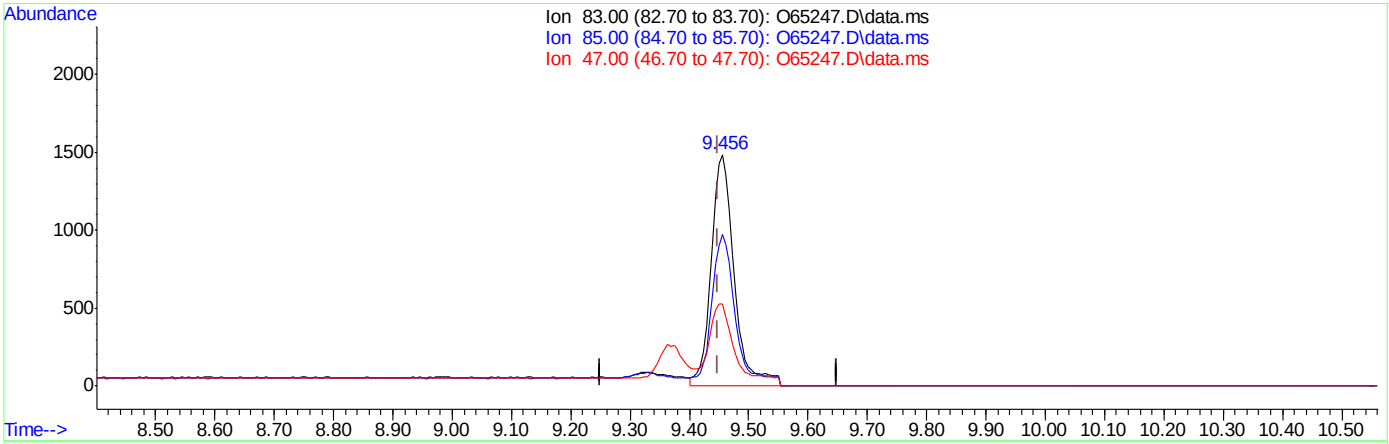
Sample Number:	FA88753-4	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65247.D	**Analyst approved:**	09/15/21 09:08 Charlene Gonzalez
Injection Time:	09/14/21 19:57	**Supervisor approved:**	09/19/21 23:34 Chelsea VanDenBurg

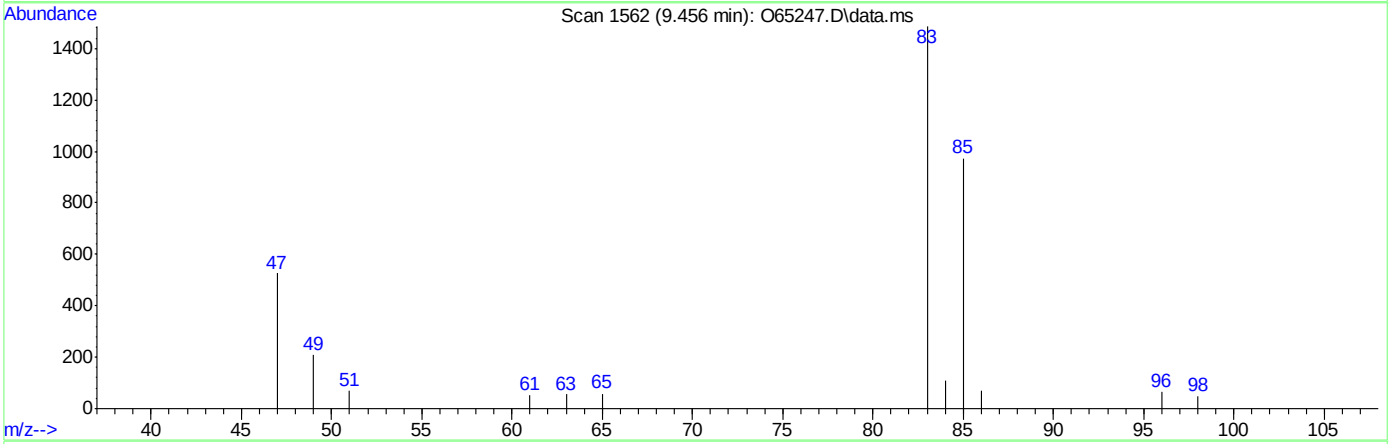
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65247.D
Acq On : 14 Sep 2021 7:57 pm
Operator : CHARLENG
Sample : FA88753-4 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 15 08:31:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65247.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.50ug/L

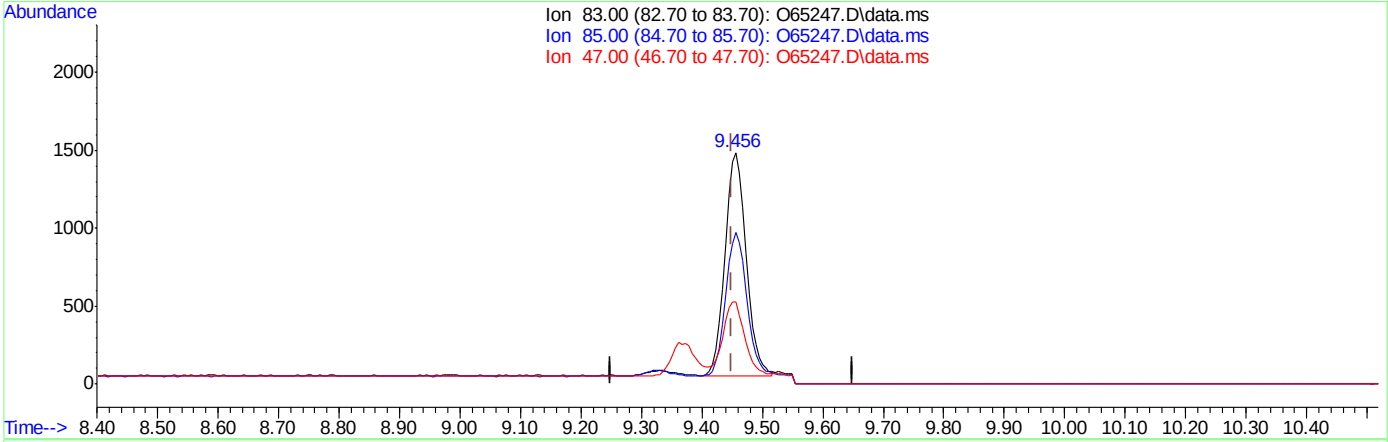
response 3994

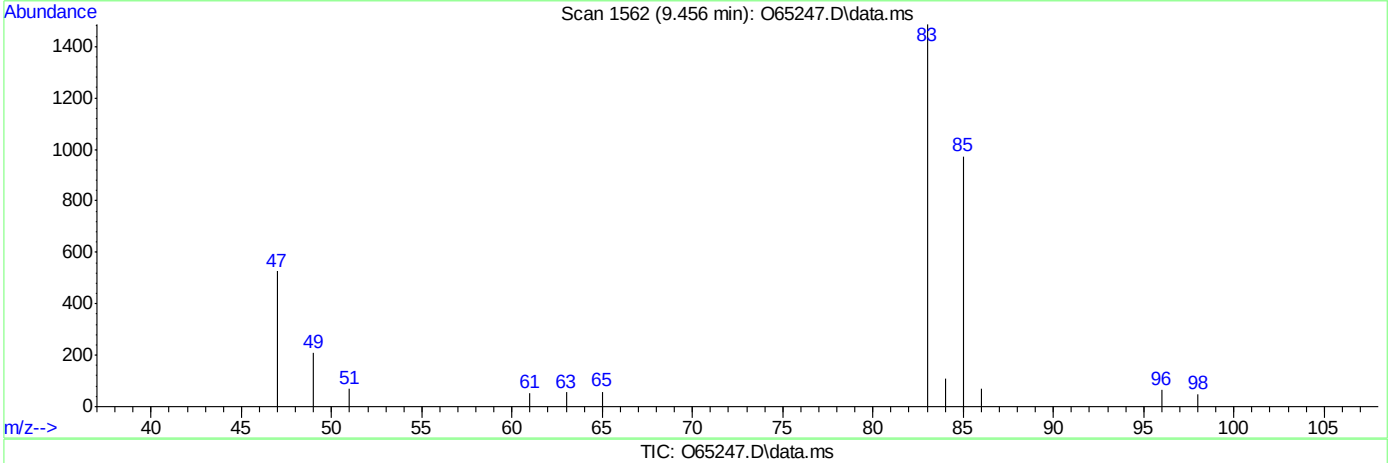
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.48
47.00	35.10	35.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65247.D
Acq On : 14 Sep 2021 7:57 pm
Operator : CHARLENG
Sample : FA88753-4 Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 15 08:31:32 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65247.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.43ug/L m

response 3467

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	65.48
47.00	35.10	35.46
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65248.D
Acq On : 14 Sep 2021 8:20 pm
Operator : CHARLENG
Sample : FA88753-5 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 15 09:01:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

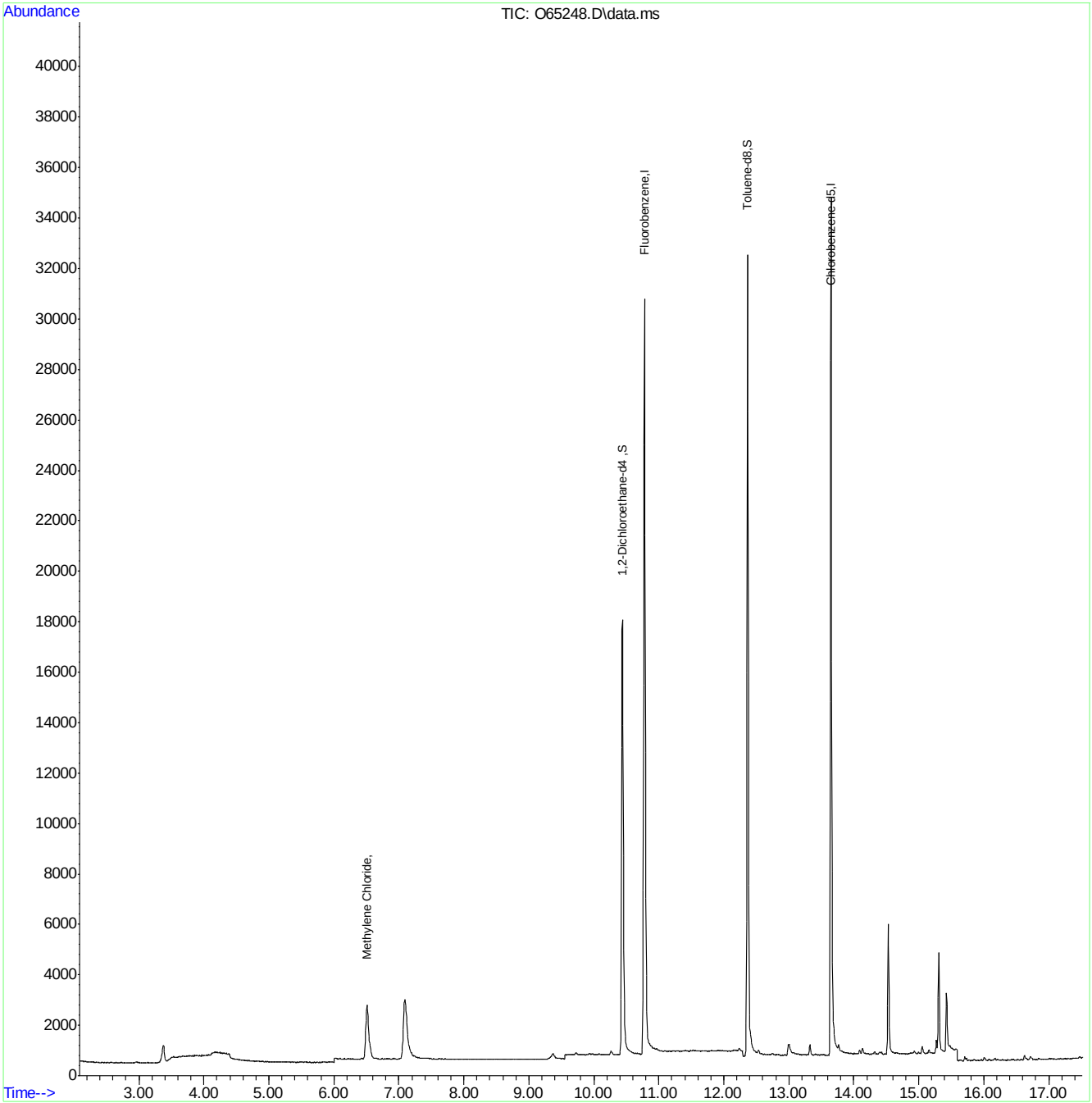
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35486	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25495	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16466	5.48	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.60%			
19) Toluene-d8	12.367	98	28025	4.71	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	2801	0.28	ug/L	92

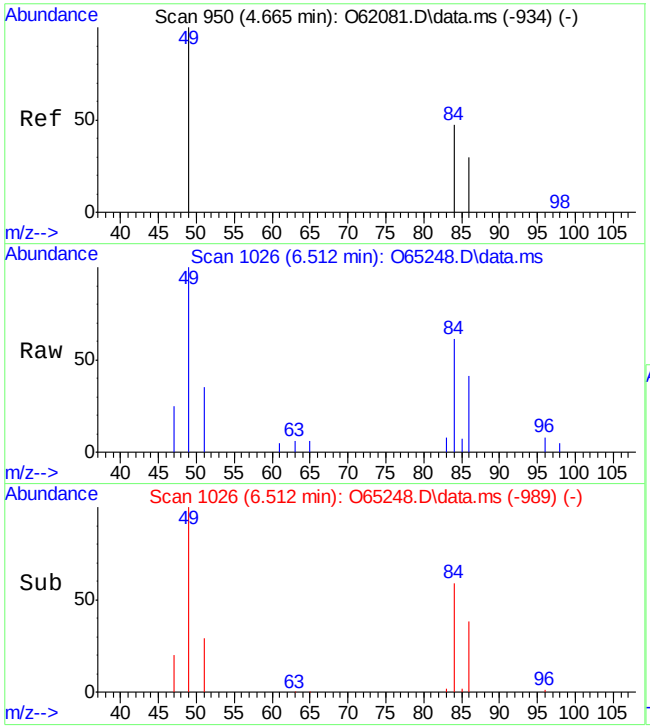
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65248.D
Acq On : 14 Sep 2021 8:20 pm
Operator : CHARLENG
Sample : FA88753-5 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 15 09:01:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

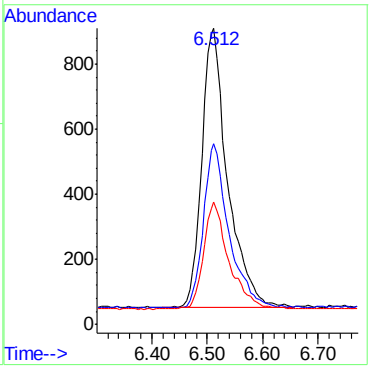




#5
Methylene Chloride
Concen: 0.28 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.005 min
Lab File: O65248.D
Acq: 14 Sep 2021 8:20 pm

Tgt Ion: 49 Resp: 2801

Ion	Ratio	Lower	Upper
49	100		
84	58.7	35.5	95.5
86	38.2	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65872.D
Acq On : 11 Sep 2021 2:40 am
Operator : CHARLENG
Sample : FA88753-5
Misc : MS49753,VZ2591,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 11 09:12:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

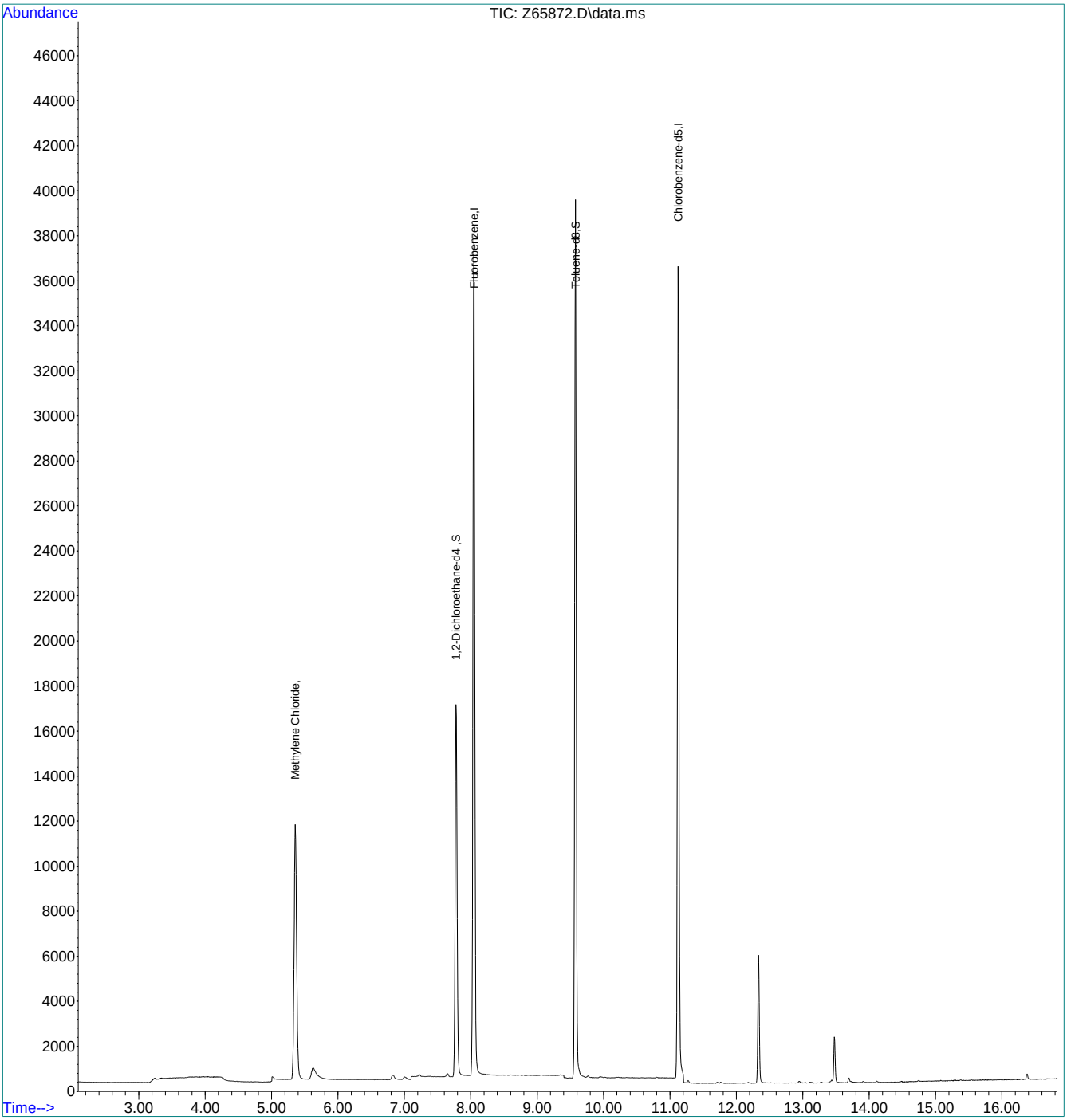
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	45351	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	35712	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	16373	5.35	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.00%			
19) Toluene-d8	9.576	98	38485	4.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.358	49	10090	1.47	ug/L	# 58

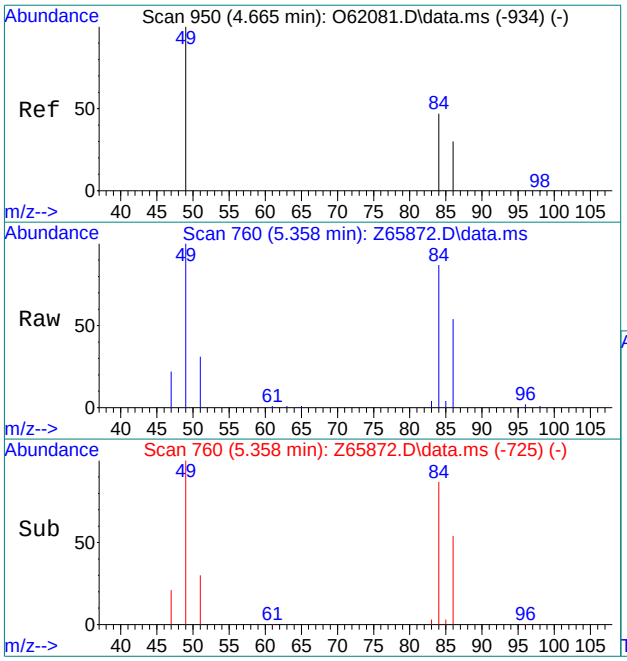
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65872.D
Acq On : 11 Sep 2021 2:40 am
Operator : CHARLENG
Sample : FA88753-5
Misc : MS49753,VZ2591,,,,,
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 11 09:12:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

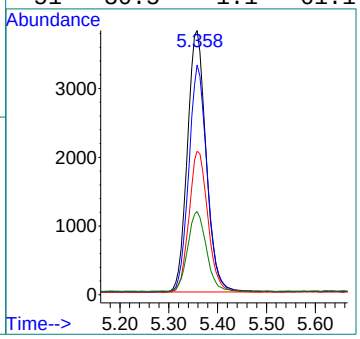




#5
Methylene Chloride
Concen: 1.47 ug/L
RT: 5.358 min Scan# 760
Delta R.T. -0.006 min
Lab File: Z65872.D
Acq: 11 Sep 2021 2:40 am

Tgt Ion: 49 Resp: 10090

Ion	Ratio	Lower	Upper
49	100		
84	86.7	13.9	73.9#
86	53.9	0.0	58.0
51	30.5	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65249.D
Acq On : 14 Sep 2021 8:44 pm
Operator : CHARLENG
Sample : FA88753-6 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 15 09:01:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

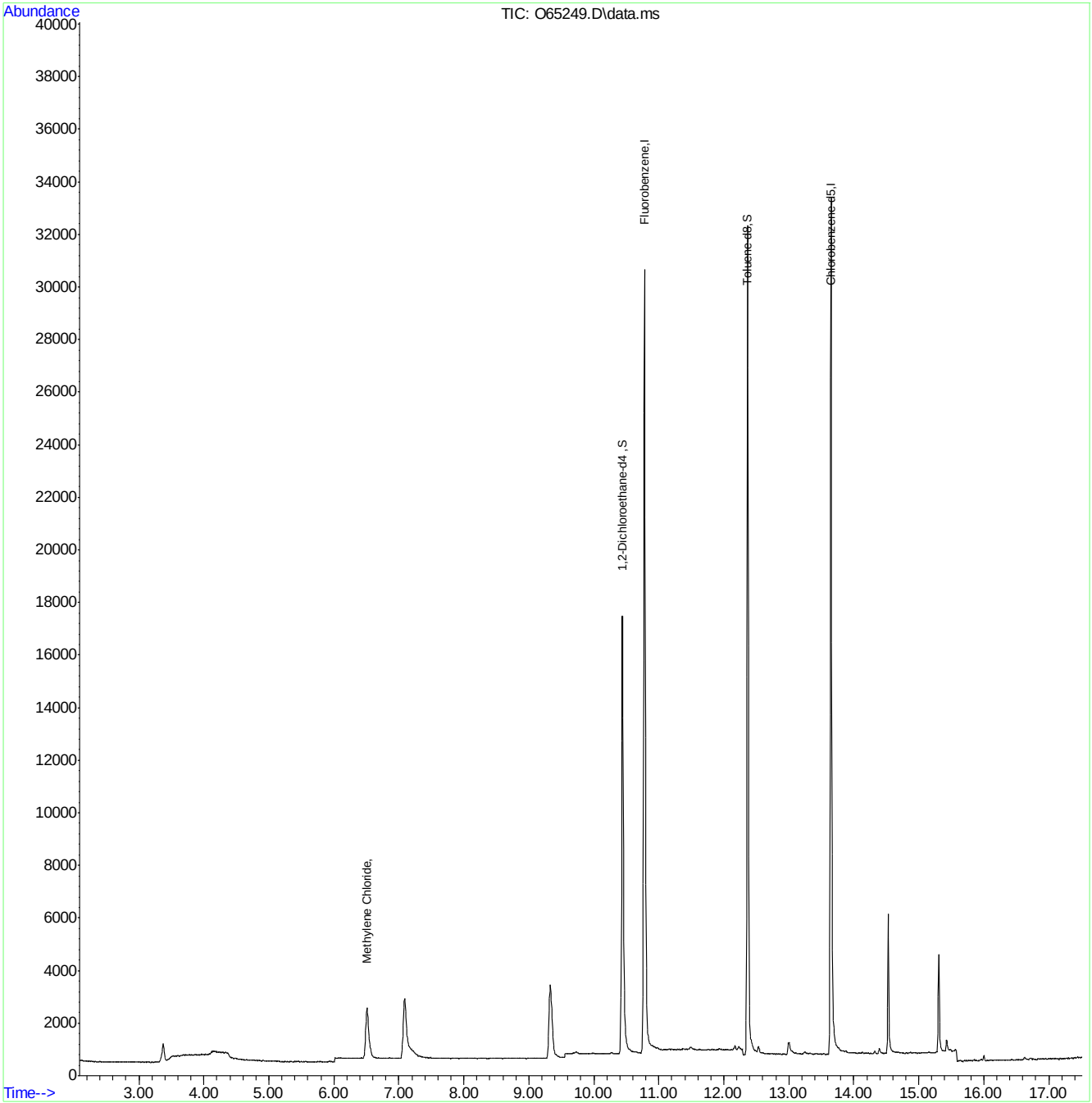
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35594	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25482	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16499	5.47	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 109.40%			
19) Toluene-d8	12.367	98	28218	4.74	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	2569	0.26	ug/L	91

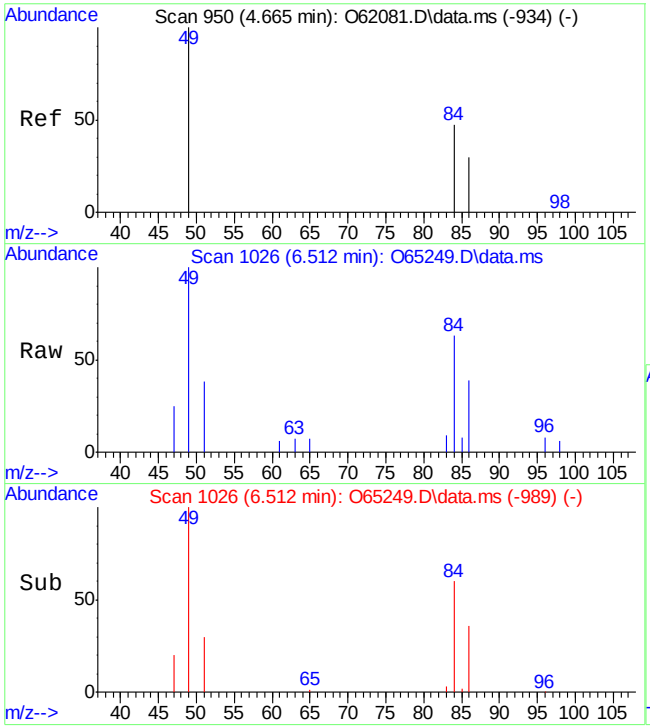
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65249.D
Acq On : 14 Sep 2021 8:44 pm
Operator : CHARLENG
Sample : FA88753-6 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 15 09:01:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

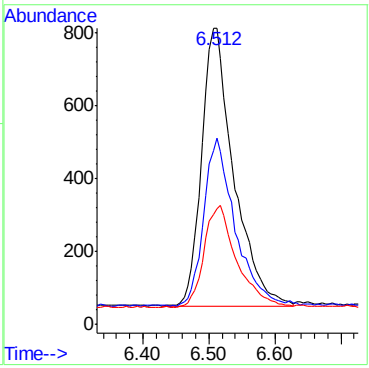




#5
Methylene Chloride
Concen: 0.26 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.005 min
Lab File: O65249.D
Acq: 14 Sep 2021 8:44 pm

Tgt Ion: 49 Resp: 2569

Ion	Ratio	Lower	Upper
49	100		
84	60.3	35.5	95.5
86	35.5	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65250.D
Acq On : 14 Sep 2021 9:07 pm
Operator : CHARLENG
Sample : FA88753-7 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 15 09:01:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

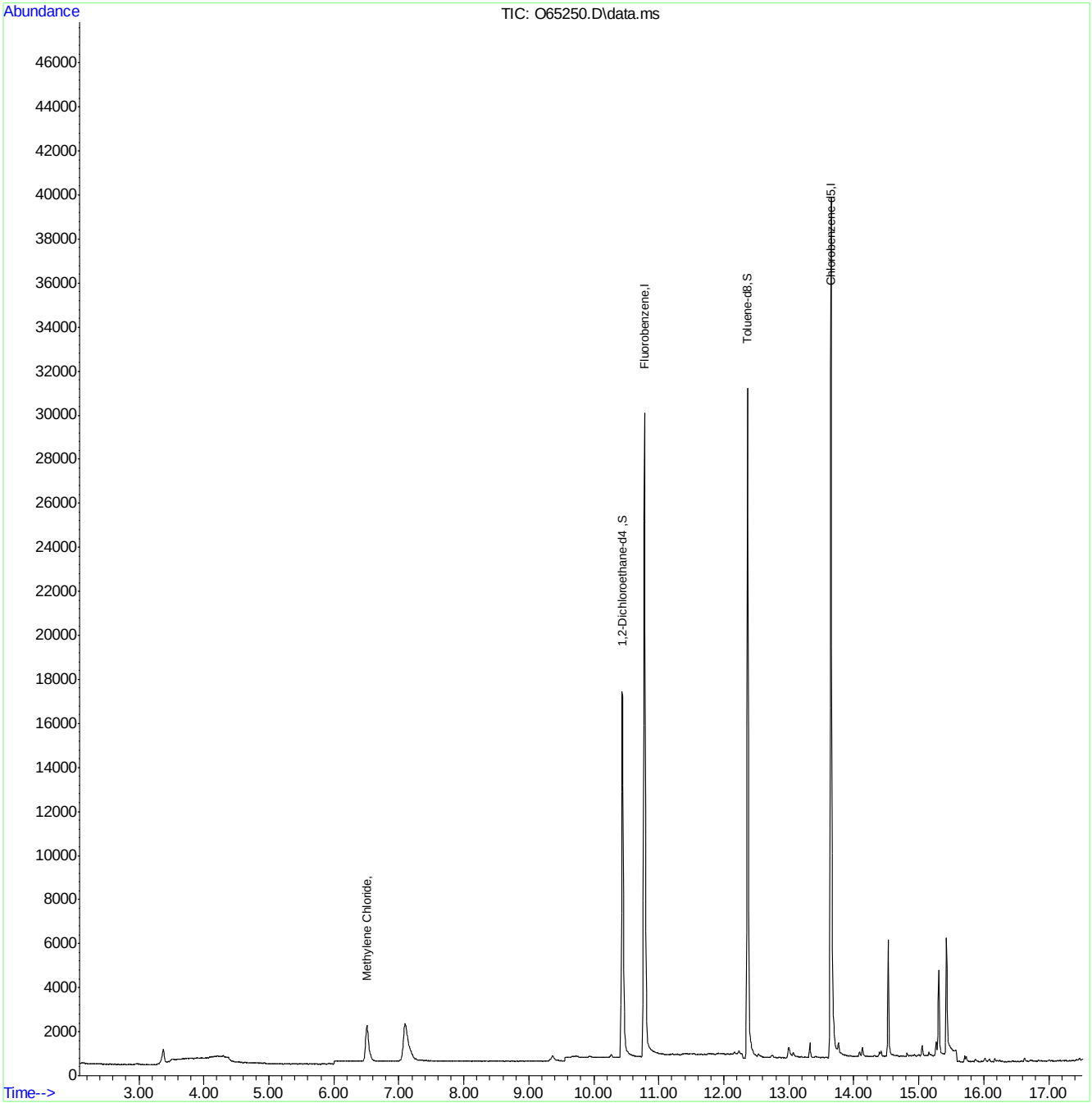
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	34789	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25301	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16203	5.50	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 110.00%			
19) Toluene-d8	12.367	98	27286	4.62	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	2237	0.23	ug/L	89

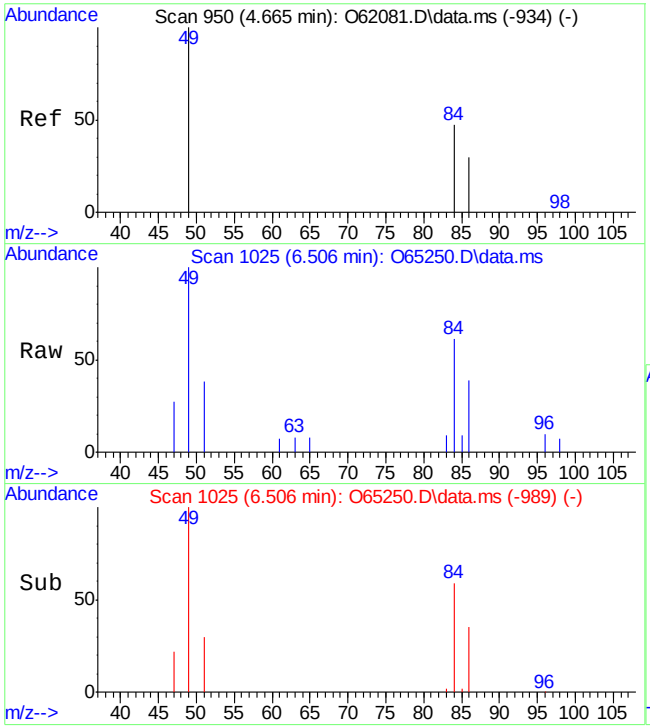
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65250.D
Acq On : 14 Sep 2021 9:07 pm
Operator : CHARLENG
Sample : FA88753-7 Inst : MSVOA12
Misc : MS49753,VO2559,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 15 09:01:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

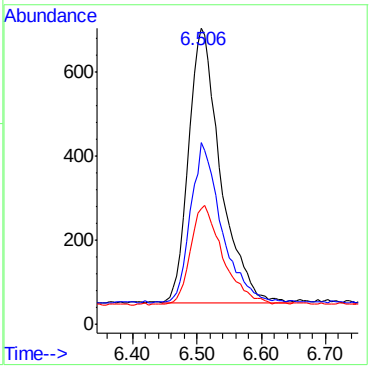




#5
Methylene Chloride
Concen: 0.23 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65250.D
Acq: 14 Sep 2021 9:07 pm

Tgt Ion: 49 Resp: 2237

Ion	Ratio	Lower	Upper
49	100		
84	58.1	35.5	95.5
86	34.7	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65231.D
Acq On : 14 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : mb Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 14:23:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

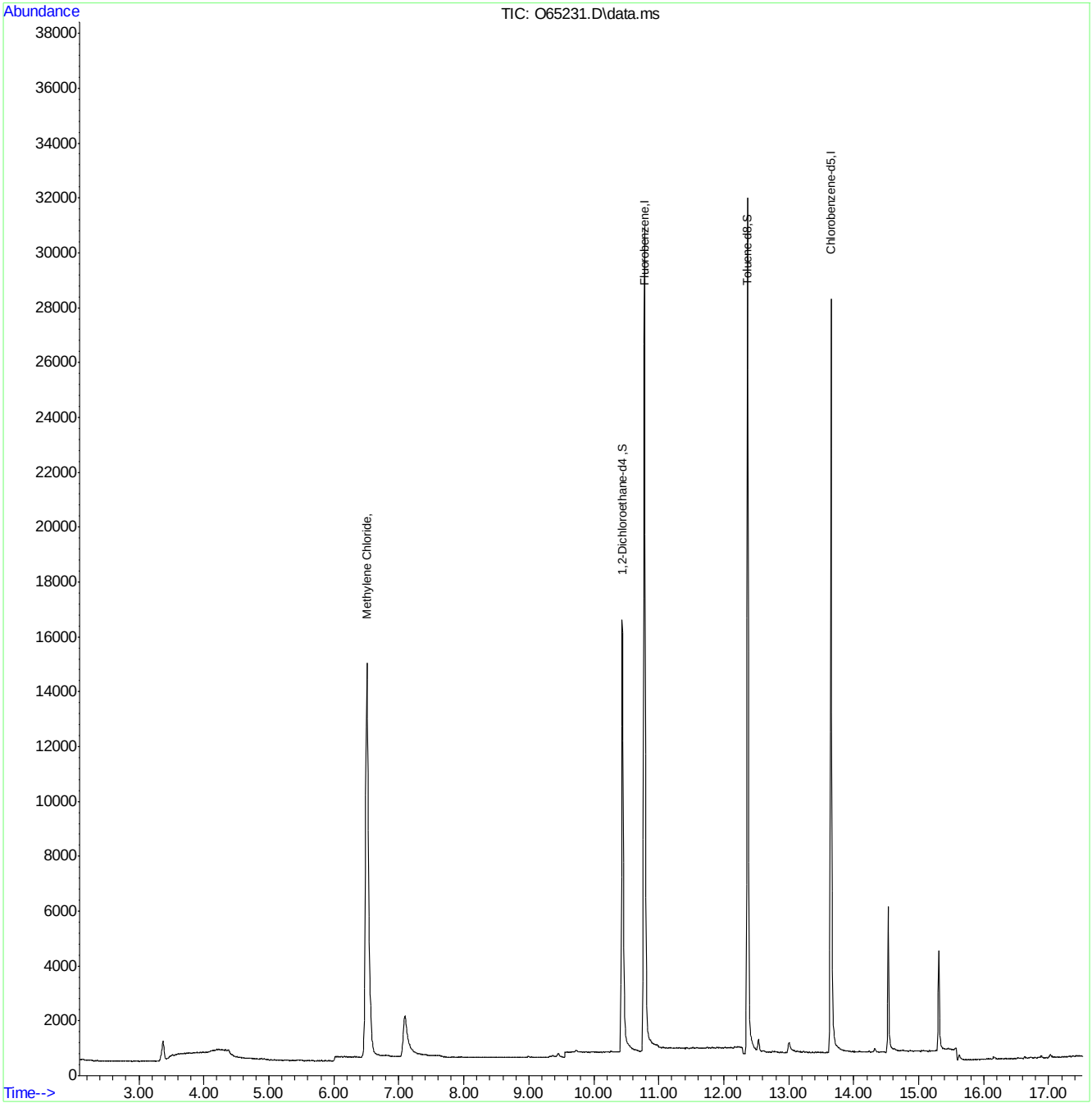
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35743	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24967	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15759	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	12.367	98	28362	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	18770	1.89	ug/L	92

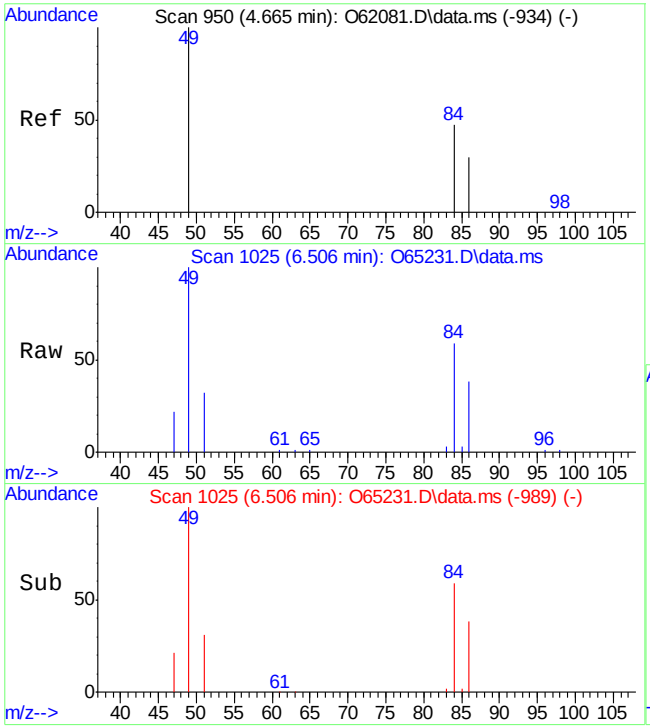
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65231.D
Acq On : 14 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : mb Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 14 14:23:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

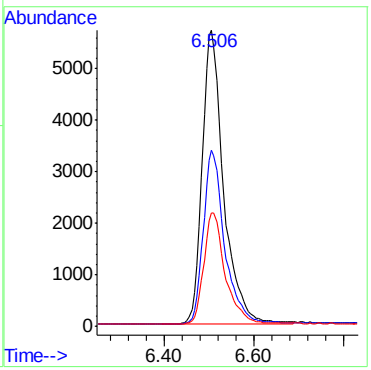




#5
Methylene Chloride
Concen: 1.89 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. -0.001 min
Lab File: O65231.D
Acq: 14 Sep 2021 1:47 pm

Tgt Ion: 49 Resp: 18770

Ion	Ratio	Lower	Upper
49	100		
84	58.9	35.5	95.5
86	37.7	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65251.D
Acq On : 14 Sep 2021 9:30 pm
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 15 08:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

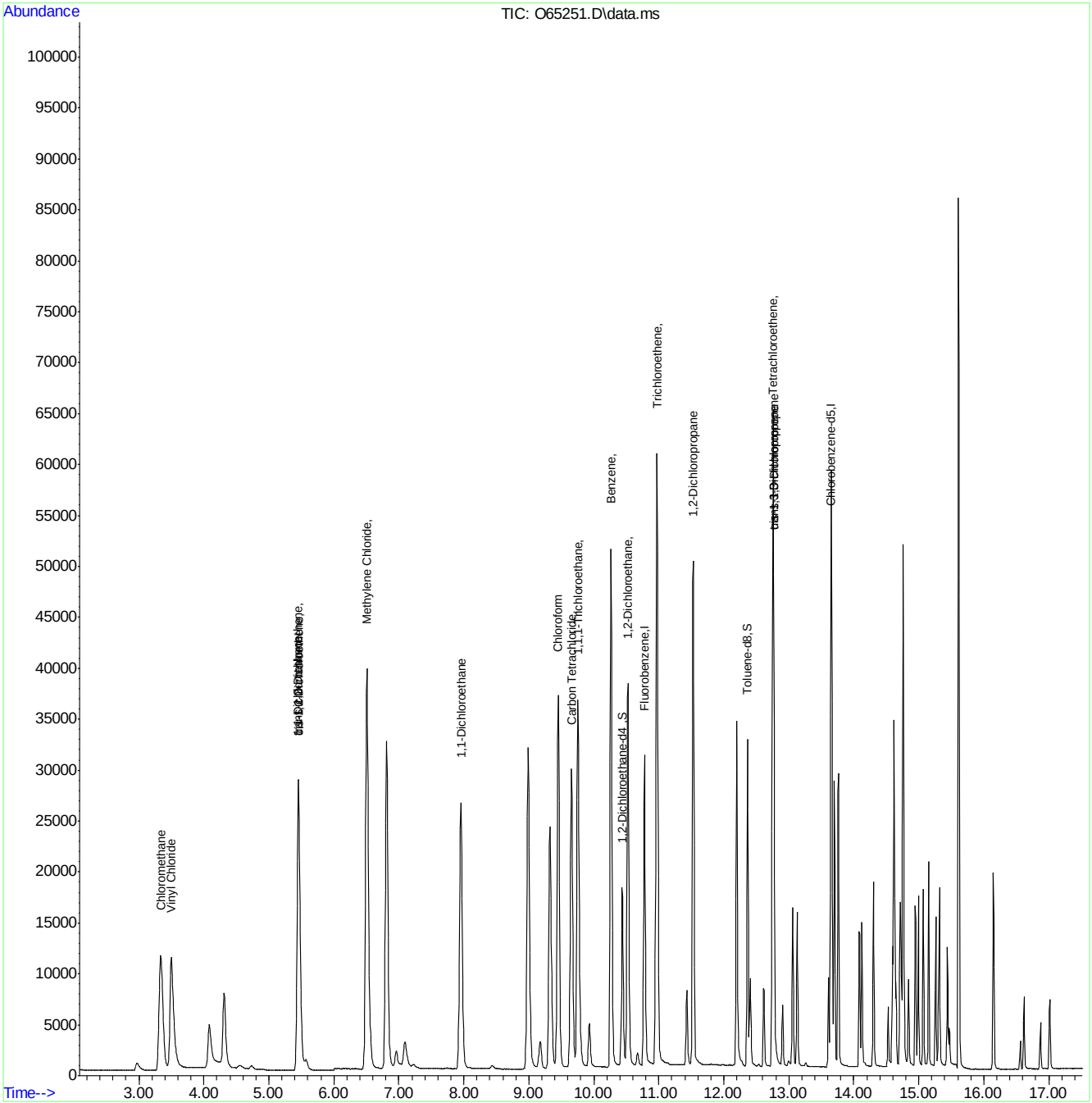
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	35264	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	24847	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15619	5.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%			
19) Toluene-d8	12.367	98	27608	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	30064	5.18	ug/L	99
3) Chloromethane	3.335	50	33451	4.60	ug/L	96
4) 1,1-Dichloroethene	5.452	61	39806	5.38	ug/L	82
5) Methylene Chloride	6.506	49	47024	4.80	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	39806	5.38	ug/L	78
7) 1,1-Dichloroethane	7.956	63	46155	5.59	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	19480	5.29	ug/L	89
9) Chloroform	9.450	83	42393	5.23	ug/L	99
10) Carbon Tetrachloride	9.656	117	26881	5.36	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	34329	5.34	ug/L	95
12) Benzene	10.267	78	76701	5.10	ug/L	98
14) 1,2-Dichloroethane	10.525	62	39088	5.05	ug/L	90
15) Trichloroethene	10.974	95	23977	5.19	ug/L	96
16) 1,2-Dichloropropane	11.531	63	23919	5.14	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	24181	4.51	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	24181	4.52	ug/L	95
21) Tetrachloroethene	12.752	166	20882	5.24	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65251.D
Acq On : 14 Sep 2021 9:30 pm
Operator : CHARLENG
Sample : BS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 15 08:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



SIMCL-09-13-2021.M Wed Sep 15 09:11:36 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65252.D
Acq On : 14 Sep 2021 9:53 pm
Operator : CHARLENG
Sample : FA88736-33MS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 15 08:31:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

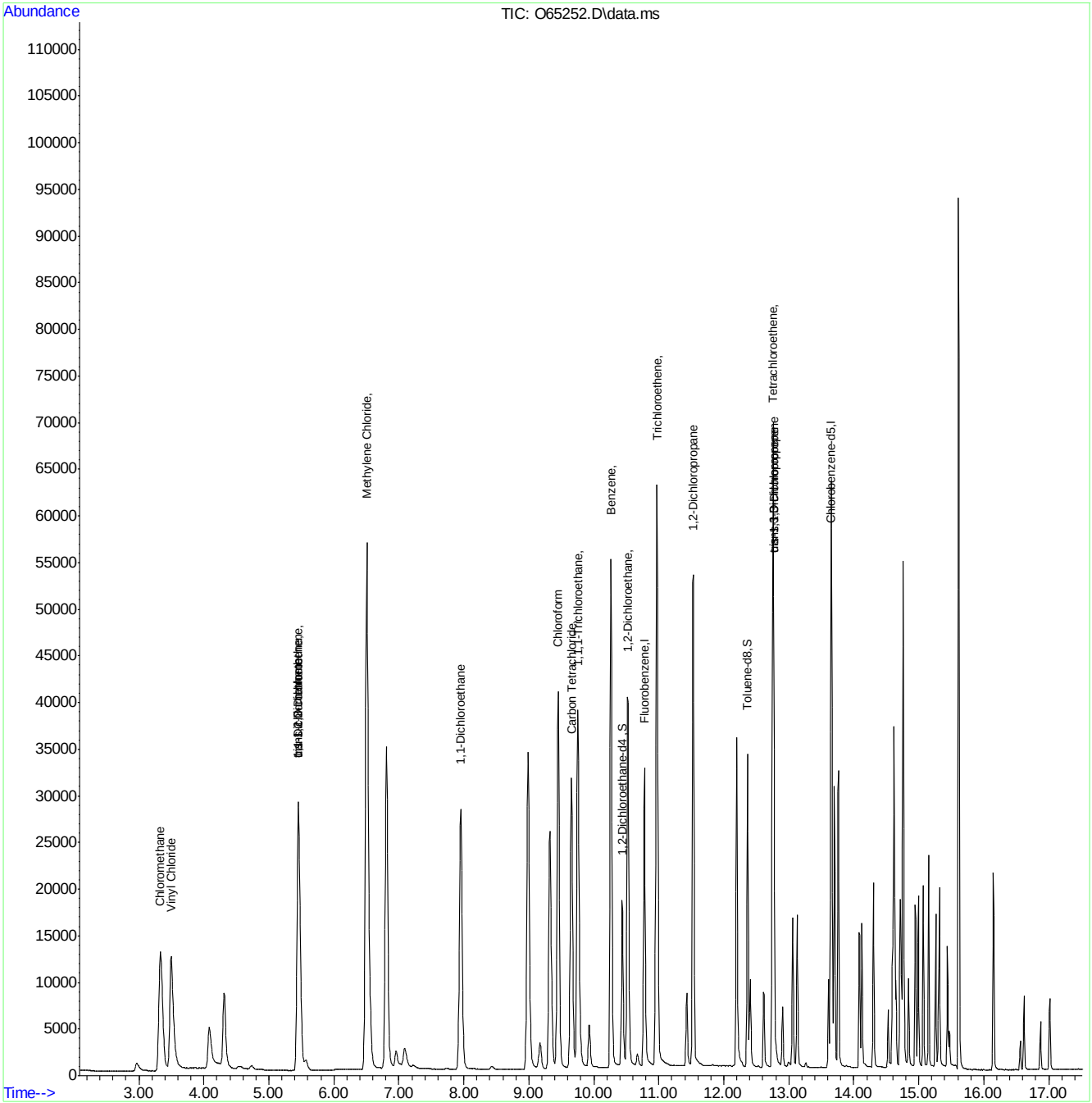
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36352	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25524	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	15906	5.17	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.40%			
19) Toluene-d8	12.367	98	29470	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	32711	5.47	ug/L	98
3) Chloromethane	3.330	50	36470	4.87	ug/L	97
4) 1,1-Dichloroethene	5.452	61	43743	5.74	ug/L	81
5) Methylene Chloride	6.506	49	72314	7.16	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	43743	5.74	ug/L	77
7) 1,1-Dichloroethane	7.951	63	50041	5.88	ug/L	98
8) cis-1,2-Dichloroethene	5.452	96	21309	5.62	ug/L	91
9) Chloroform	9.450	83	45995	5.50	ug/L	99
10) Carbon Tetrachloride	9.656	117	28759	5.56	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	37303	5.62	ug/L	96
12) Benzene	10.267	78	83167	5.37	ug/L	100
14) 1,2-Dichloroethane	10.518	62	42056	5.27	ug/L	88
15) Trichloroethene	10.974	95	25166	5.28	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25907	5.41	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	25446	4.61	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	25446	4.63	ug/L	95
21) Tetrachloroethene	12.752	166	22405	5.47	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65252.D
Acq On : 14 Sep 2021 9:53 pm
Operator : CHARLENG
Sample : FA88736-33MS Inst : MSVOA12
Misc : MS49751,VO2559,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 15 08:31:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65253.D
Acq On : 14 Sep 2021 10:15 pm
Operator : CHARLENG
Sample : FA88736-33MSD Inst : MSVOA12
Misc : MS49752,VO2559,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 15 08:31:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

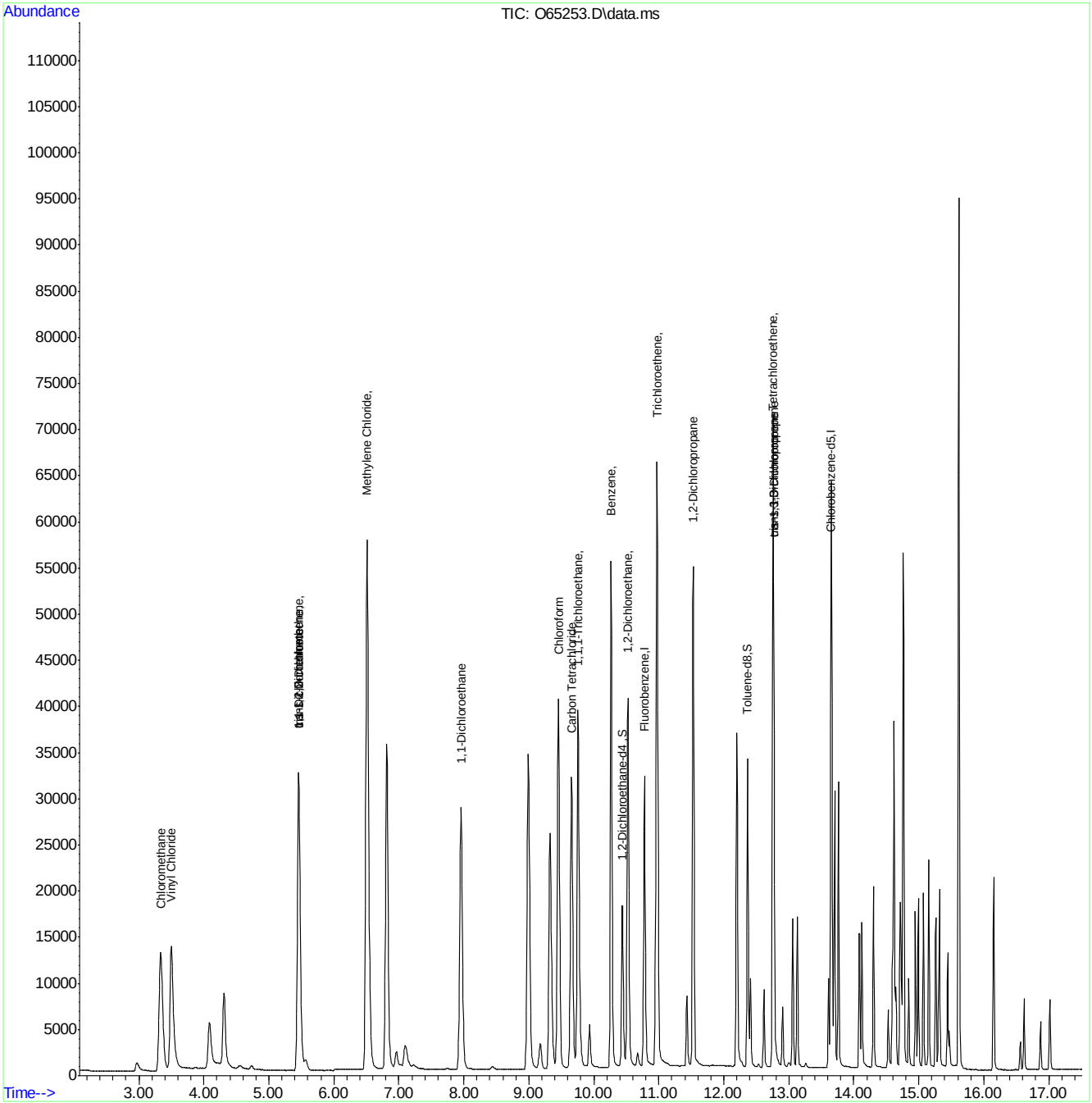
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	36177	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	25835	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	16082	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	29763	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	32792	5.51	ug/L	99
3) Chloromethane	3.335	50	35543	4.77	ug/L	97
4) 1,1-Dichloroethene	5.456	61	43594	5.74	ug/L	81
5) Methylene Chloride	6.512	49	68102	6.77	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	43594	5.74	ug/L	77
7) 1,1-Dichloroethane	7.957	63	49620	5.86	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	21069	5.58	ug/L	92
9) Chloroform	9.456	83	45386	5.45	ug/L	97
10) Carbon Tetrachloride	9.657	117	28689	5.57	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	36725	5.56	ug/L	94
12) Benzene	10.268	78	82401	5.34	ug/L	98
14) 1,2-Dichloroethane	10.525	62	41566	5.24	ug/L	91
15) Trichloroethene	10.974	95	26041	5.49	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25673	5.38	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	26335	4.79	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	26335	4.73	ug/L	95
21) Tetrachloroethene	12.752	166	22316	5.39	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65253.D
Acq On : 14 Sep 2021 10:15 pm
Operator : CHARLENG
Sample : FA88736-33MSD Inst : MSVOA12
Misc : MS49752,VO2559,,,,,5
ALS Vial : 27 Sample Multiplier: 1

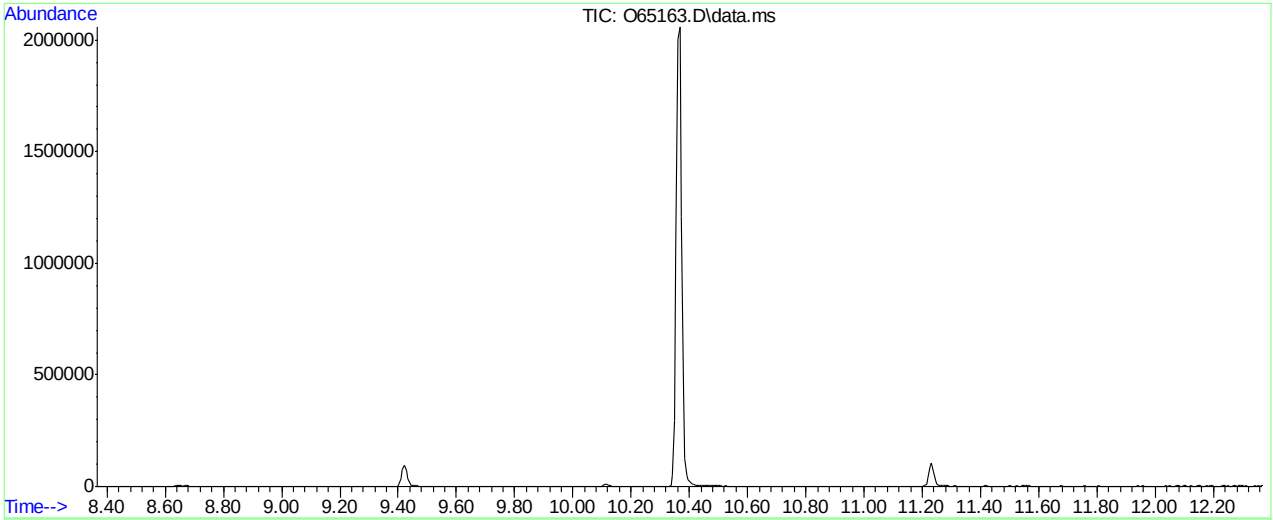
Quant Time: Sep 15 08:31:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

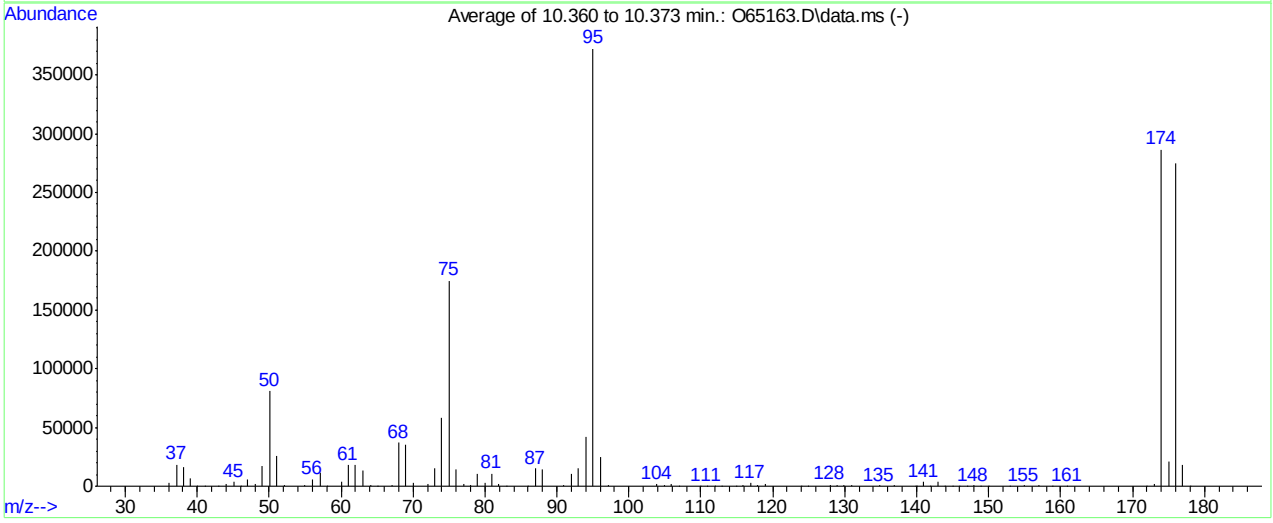


Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-13\O65163.D Vial: 2
Acq On : 13 Sep 2021 9:16 am Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2556,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

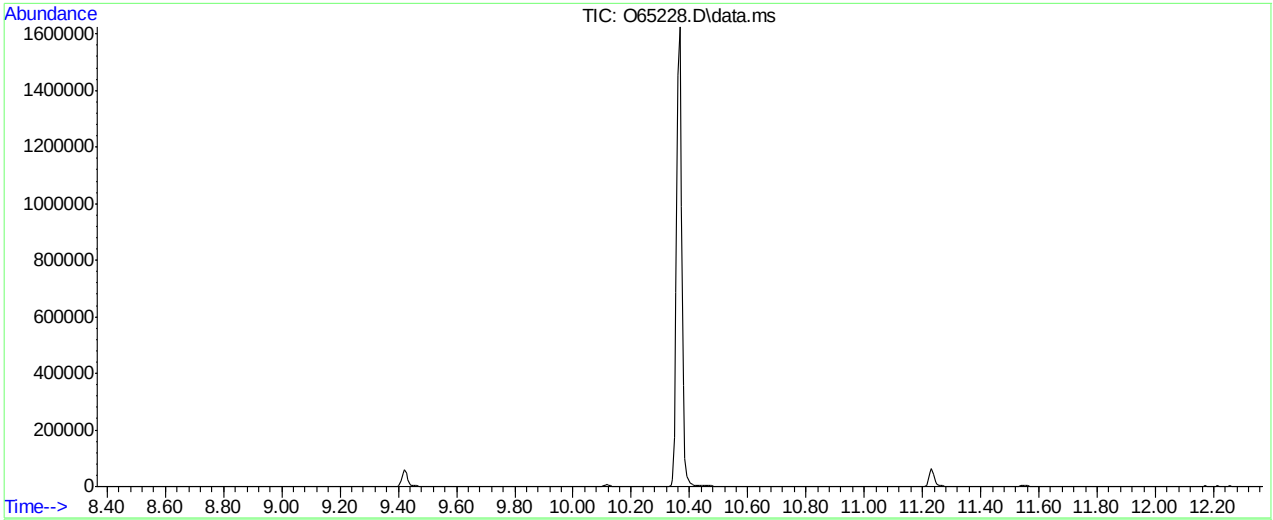
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	81085	PASS
75	95	30	60	46.9	174832	PASS
95	95	100	100	100.0	372501	PASS
96	95	5	9	6.6	24464	PASS
173	174	0.00	2	0.8	2200	PASS
174	95	50	100	76.9	286592	PASS
175	174	5	9	7.2	20630	PASS
176	174	95	101	95.8	274475	PASS
177	176	5	9	6.5	17869	PASS

O65163.D SIMCL-09-13-2021.M Mon Sep 13 11:57:31 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-14\O65228.D Vial: 2
Acq On : 14 Sep 2021 12:38 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA12
Misc : MS49752,VO2559,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 695

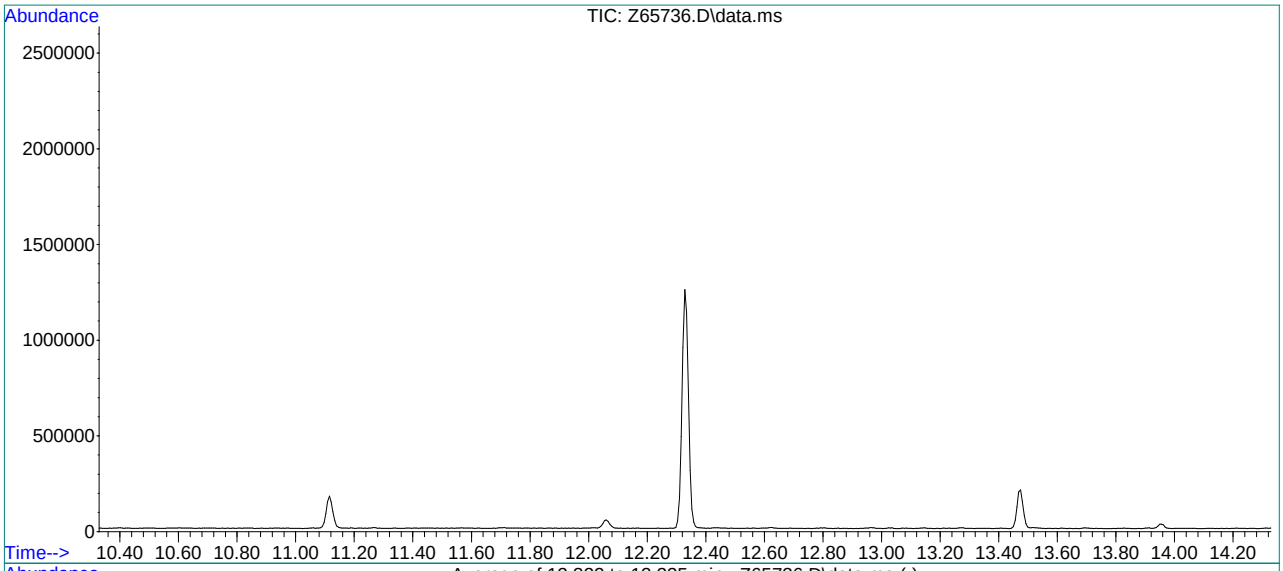
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	65659	PASS
75	95	30	60	48.6	138499	PASS
95	95	100	100	100.0	284821	PASS
96	95	5	9	6.7	19080	PASS
173	174	0.00	2	0.8	1729	PASS
174	95	50	100	74.7	212736	PASS
175	174	5	9	7.5	15955	PASS
176	174	95	101	96.9	206144	PASS
177	176	5	9	6.4	13267	PASS

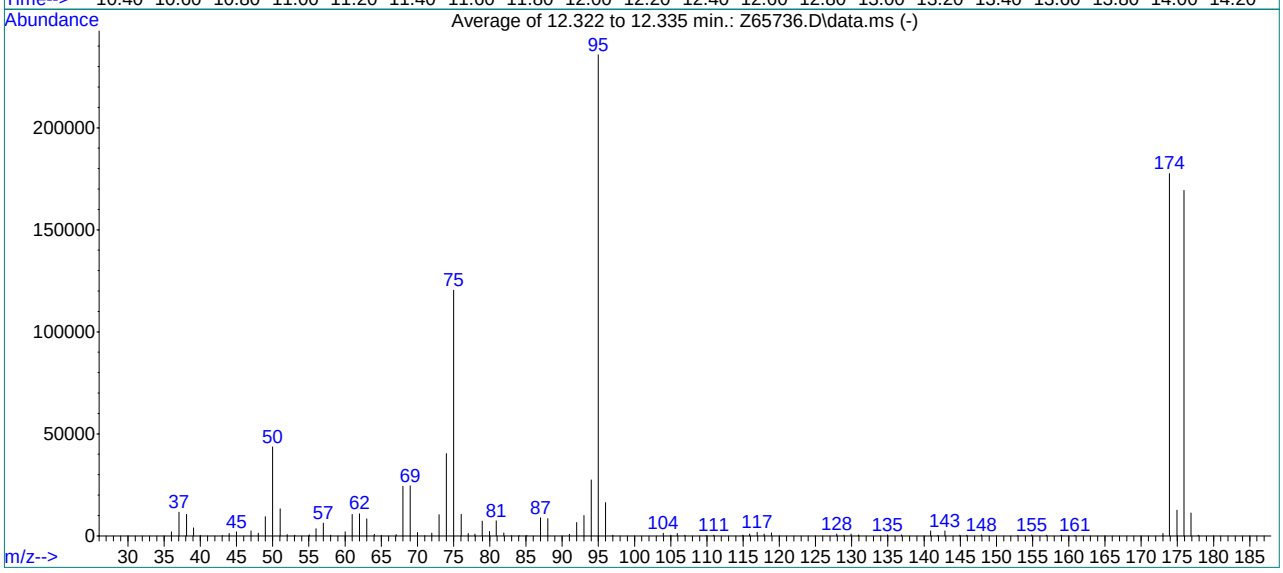
O65228.D SIMCL-09-13-2021.M Tue Sep 14 13:28:50 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-07\Z65736.D Vial: 1
Acq On : 7 Sep 2021 8:35 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

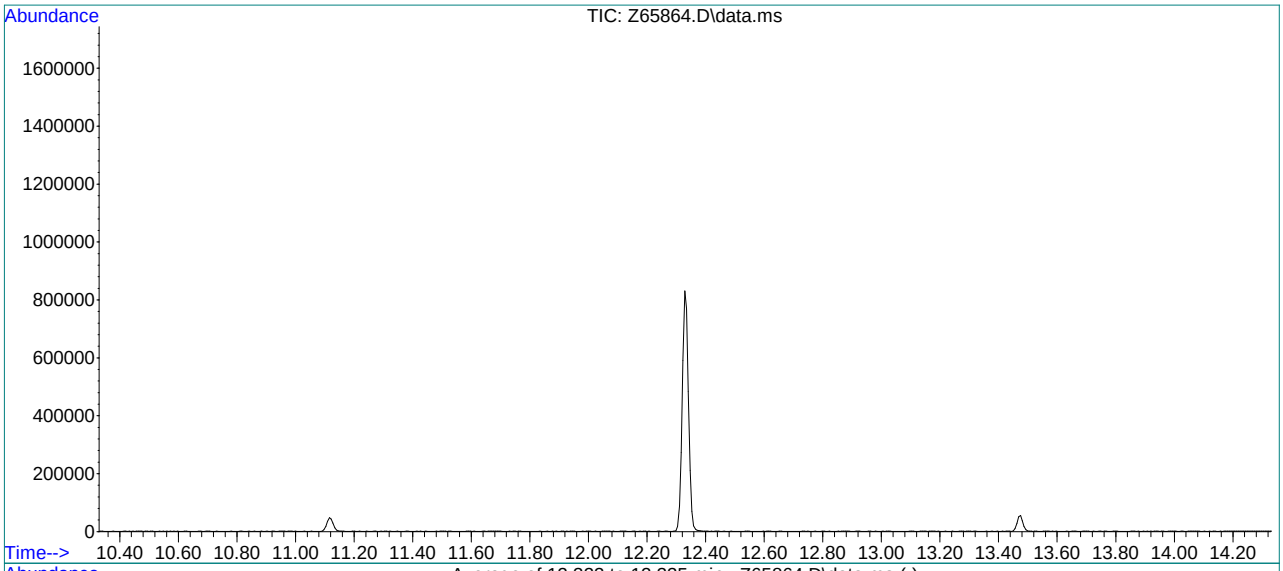
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	43592	PASS
75	95	30	60	51.1	120435	PASS
95	95	100	100	100.0	235755	PASS
96	95	5	9	6.9	16239	PASS
173	174	0.00	2	0.6	1121	PASS
174	95	50	100	75.3	177536	PASS
175	174	5	9	7.1	12644	PASS
176	174	95	101	95.3	169256	PASS
177	176	5	9	6.7	11265	PASS

Z65736.D SIMCL-09-02-2021.M Tue Sep 07 11:09:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-10\Z65864.D Vial: 30
Acq On : 10 Sep 2021 11:58 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49753,VZ2591,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	28213	PASS
75	95	30	60	51.9	75363	PASS
95	95	100	100	100.0	145224	PASS
96	95	5	9	6.9	9958	PASS
173	174	0.00	2	0.7	812	PASS
174	95	50	100	85.9	124741	PASS
175	174	5	9	7.3	9134	PASS
176	174	95	101	96.2	120021	PASS
177	176	5	9	6.6	7916	PASS

Z65864.D SIMCL-09-07-2021.M Sat Sep 11 08:58:13 2021

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 09:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

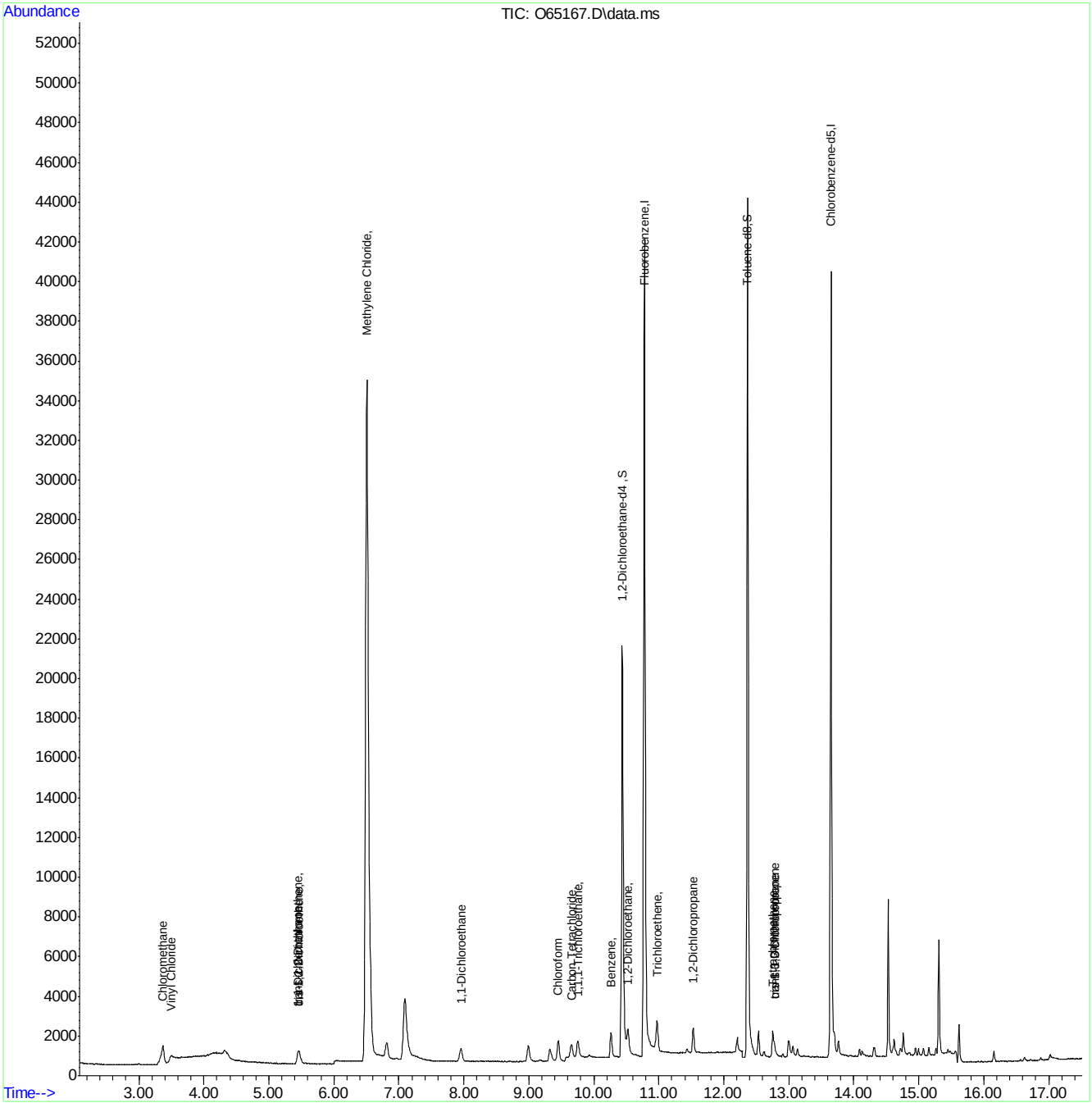
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48626	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	34582	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20529	5.25	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.00%			
19) Toluene-d8	12.367	98	39527	4.68	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	861	0.13	ug/L	92
3) Chloromethane	3.368	50	2392	0.30	ug/L	81
4) 1,1-Dichloroethene	5.452	61	992	0.11	ug/L	83
5) Methylene Chloride	6.506	49	43813	4.41	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	992	0.11	ug/L	79
7) 1,1-Dichloroethane	7.956	63	1118	0.12	ug/L	97
8) cis-1,2-Dichloroethene	5.460	96	516	0.12	ug/L #	76
9) Chloroform	9.450	83	1196m	0.13	ug/L	
10) Carbon Tetrachloride	9.656	117	637m	0.12	ug/L	
11) 1,1,1-Trichloroethane	9.758	97	831	0.11	ug/L	94
12) Benzene	10.267	78	2177	0.13	ug/L	100
14) 1,2-Dichloroethane	10.525	62	1108	0.12	ug/L	90
15) Trichloroethene	10.974	95	597	0.11	ug/L	92
16) 1,2-Dichloropropane	11.531	63	633	0.12	ug/L	87
17) cis-1,3-Dichloropropene	12.780	75	672	0.11	ug/L	96
20) trans-1,3-Dichloropropene	12.780	75	672	0.11	ug/L	99
21) Tetrachloroethene	12.752	166	556	0.12	ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

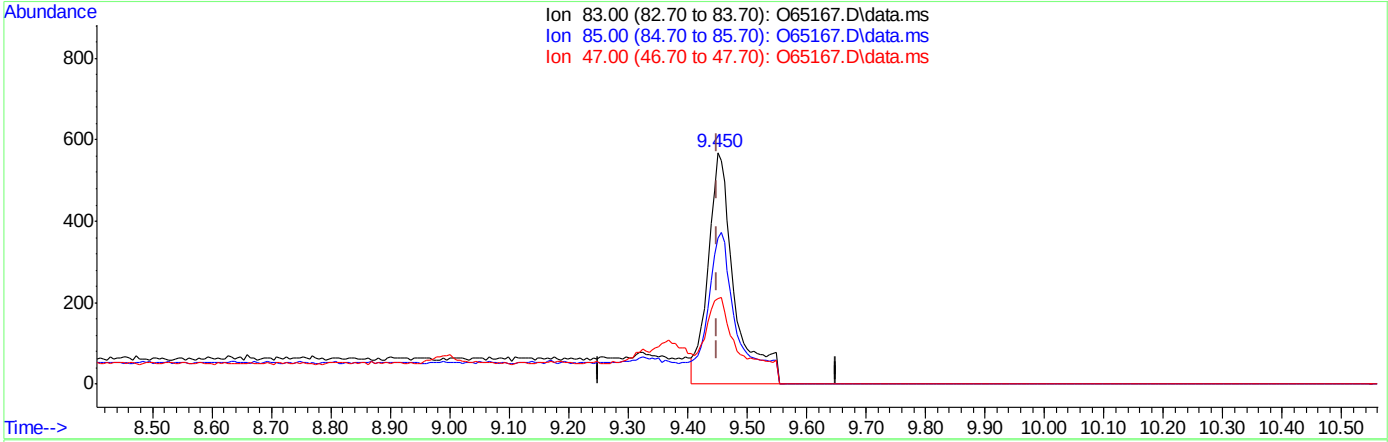
Sample Number:	VO2556-IC2556	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65167.D	**Analyst approved:**	09/13/21 14:13 Charlene Gonzalez
Injection Time:	09/13/21 10:50	**Supervisor approved:**	09/14/21 09:43 Chelsea VanDenBurg

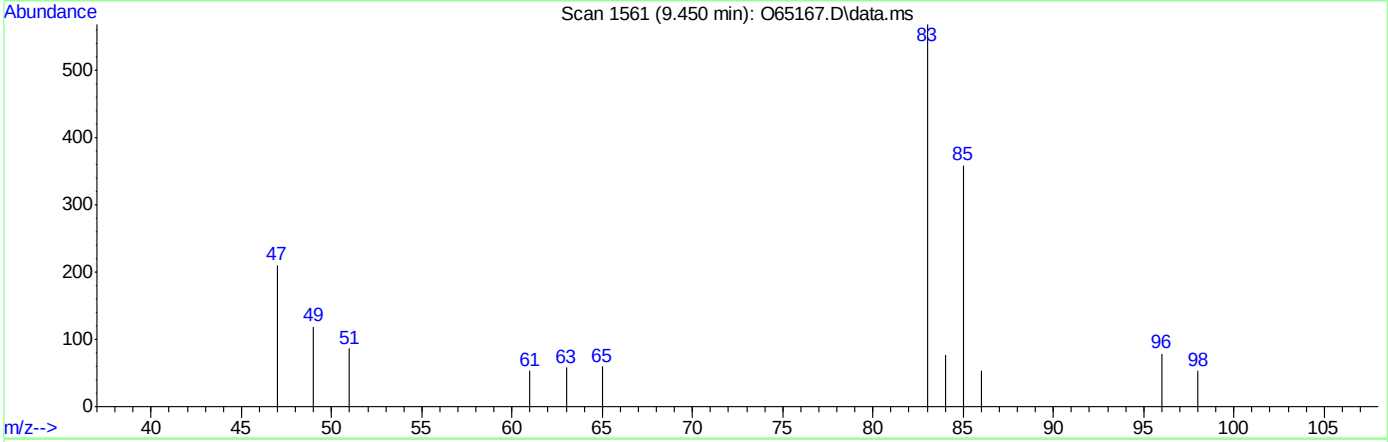
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.19ug/L

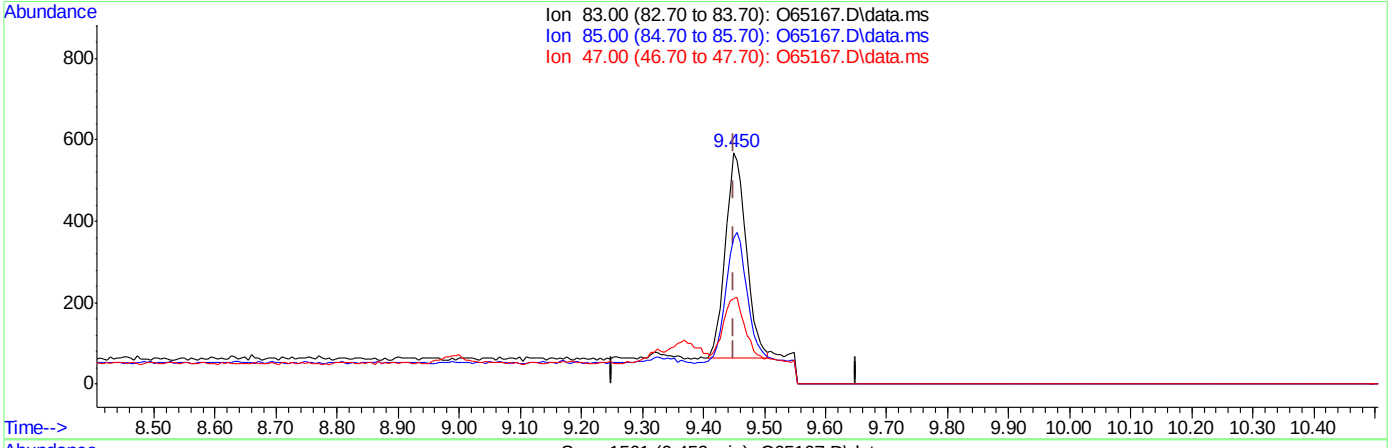
response 1780

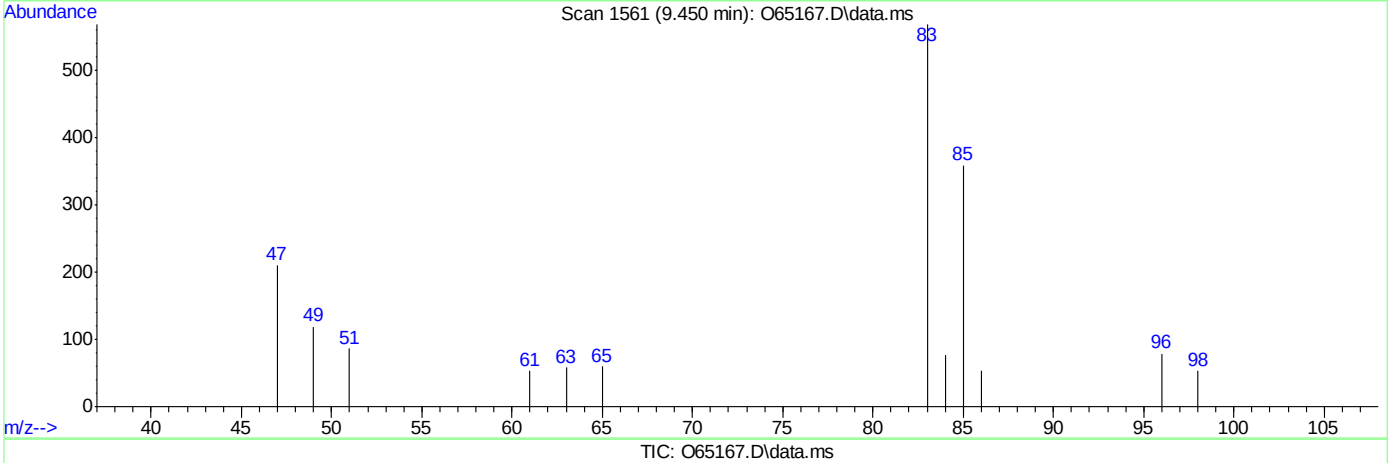
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.09
47.00	35.10	37.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.13ug/L m

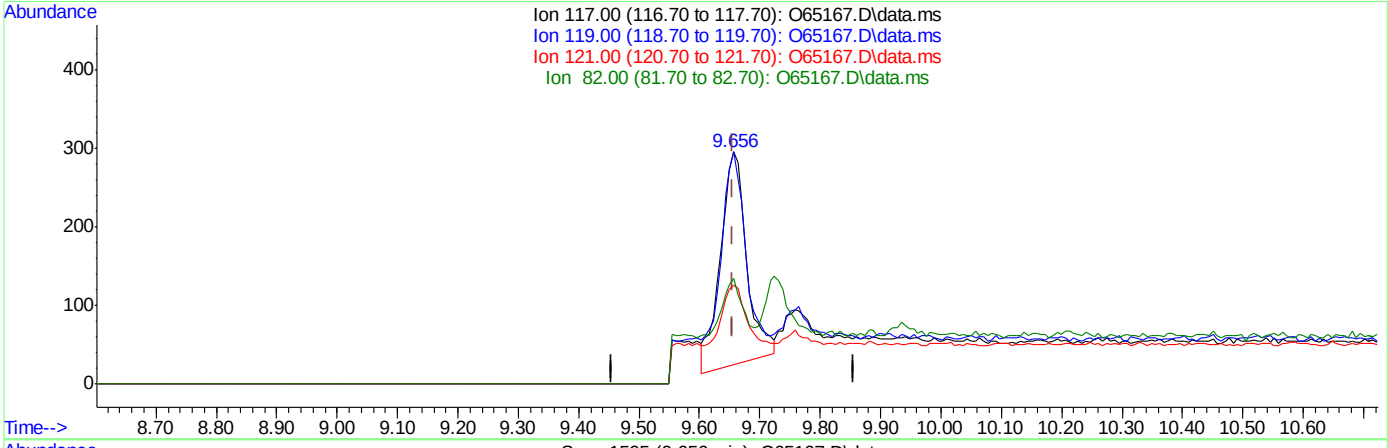
response 1196

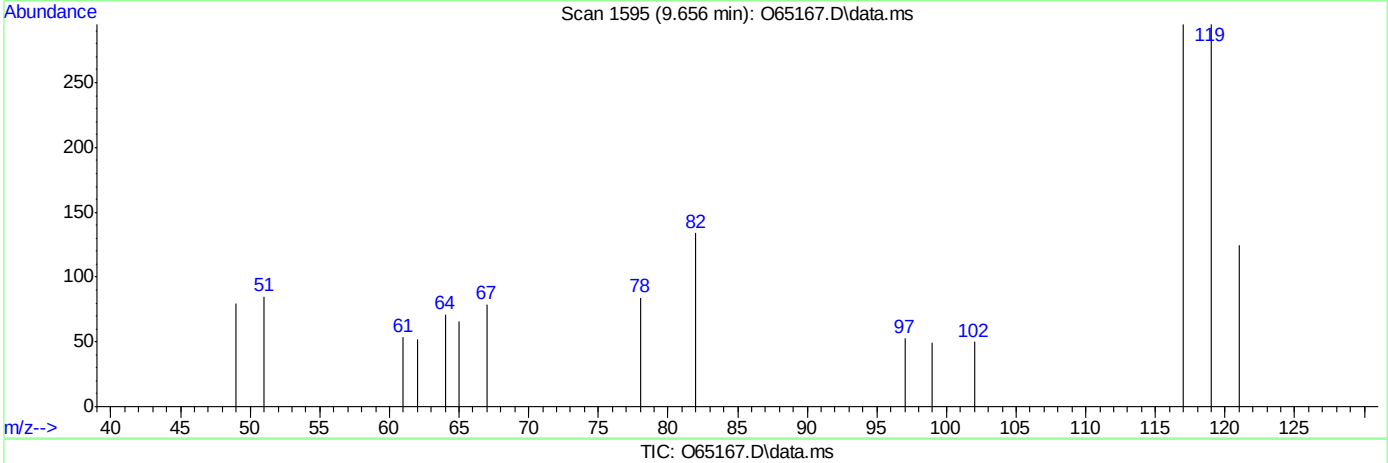
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	63.09
47.00	35.10	37.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.15ug/L

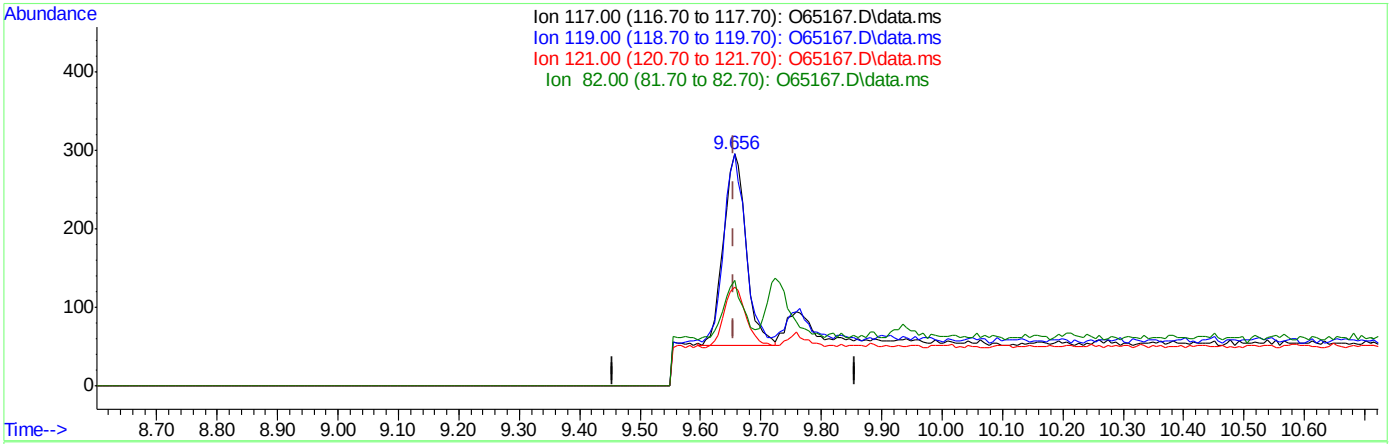
response 828

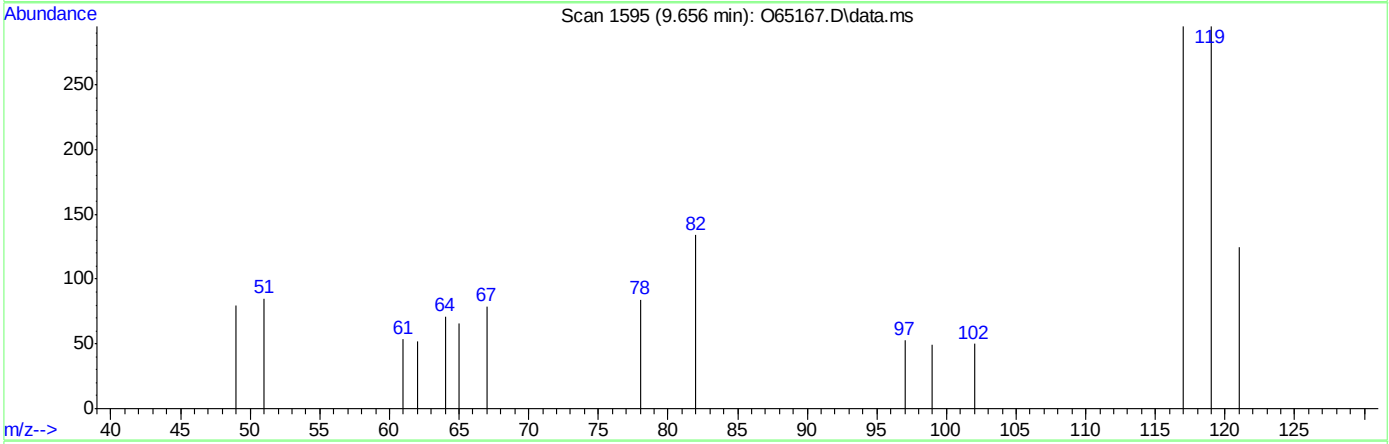
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	97.95
121.00	31.10	31.56
82.00	24.20	29.92

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65167.D
Acq On : 13 Sep 2021 10:50 am
Operator : charleng
Sample : IC2556-1 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 11:35:22 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration





TIC: O65167.D\data.ms

(10) Carbon Tetrachloride ( )

9.656min (+0.000) 0.12ug/L m

response 637

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	100.00
121.00	31.10	42.37
82.00	24.20	45.42

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 09:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration

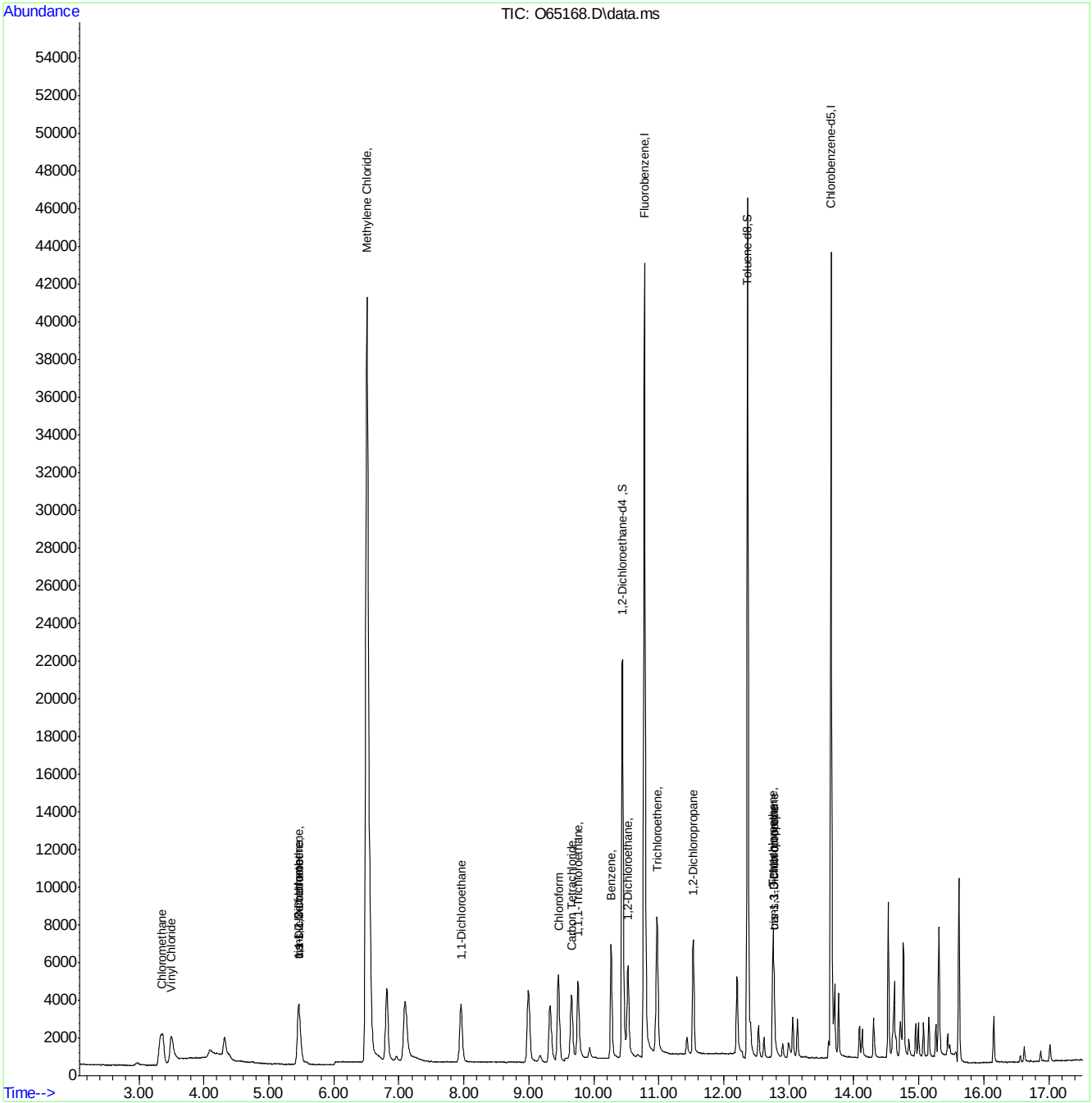
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	49670	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33952	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	21281	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	12.367	98	40296	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	3768	0.56	ug/L	99
3) Chloromethane	3.356	50	6037	0.75	ug/L	94
4) 1,1-Dichloroethene	5.456	61	4779	0.53	ug/L	83
5) Methylene Chloride	6.506	49	51785	5.11	ug/L	93
6) trans-1,2-Dichloroethene	5.456	61	4779	0.53	ug/L	79
7) 1,1-Dichloroethane	7.957	63	5509	0.56	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	2377	0.52	ug/L	88
9) Chloroform	9.456	83	5246m	0.54	ug/L	
10) Carbon Tetrachloride	9.657	117	3190m	0.56	ug/L	
11) 1,1,1-Trichloroethane	9.758	97	4163	0.54	ug/L	95
12) Benzene	10.267	78	9807	0.53	ug/L	98
14) 1,2-Dichloroethane	10.525	62	5109	0.54	ug/L	92
15) Trichloroethene	10.974	95	3075	0.57	ug/L	95
16) 1,2-Dichloropropane	11.531	63	3073	0.55	ug/L	89
17) cis-1,3-Dichloropropene	12.774	75	3095	0.48	ug/L	97
20) trans-1,3-Dichloropropene	12.774	75	3095	0.49	ug/L	96
21) Tetrachloroethene	12.752	166	2608	0.55	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:29 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration



Manual Integration Approval Summary

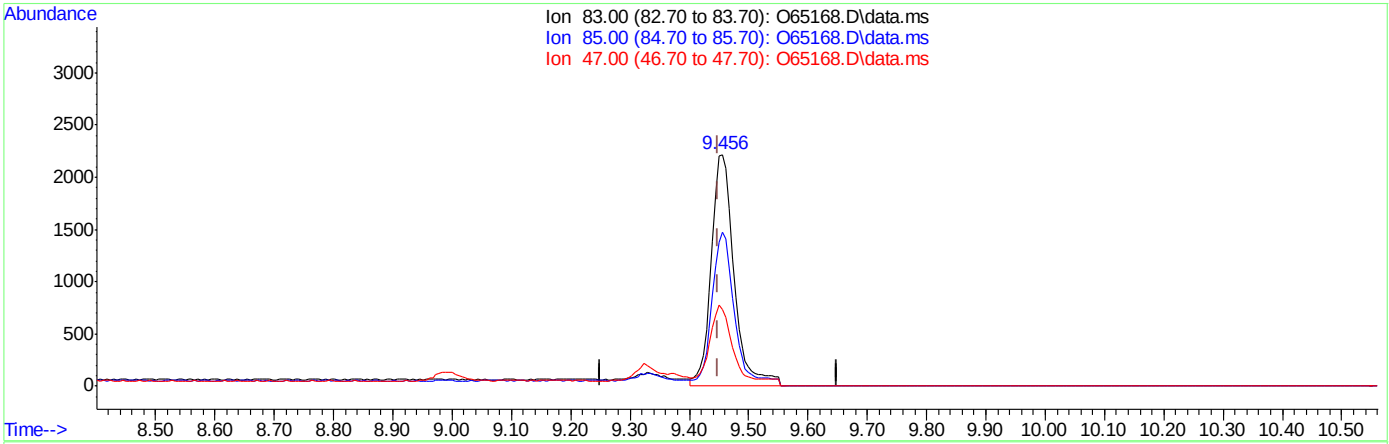
Sample Number: VO2556-IC2556
Lab FileID: O65168.D
Injection Time: 09/13/21 11:13
Method: SW846 8260B BY SIM
Analyst approved: 09/13/21 14:13 Charlene Gonzalez
Supervisor approved: 09/14/21 09:43 Chelsea VanDenBurg

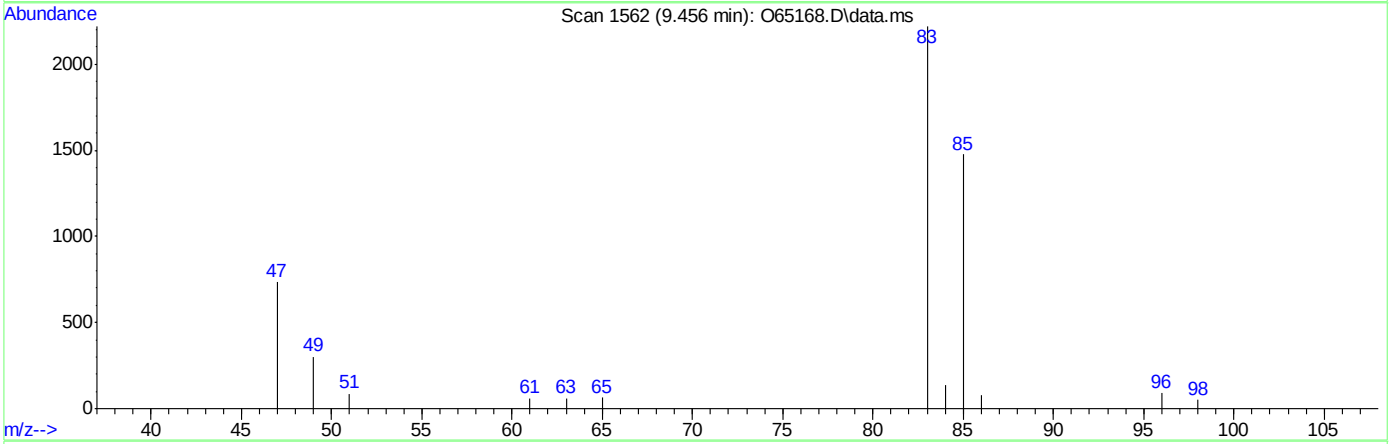
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.61ug/L

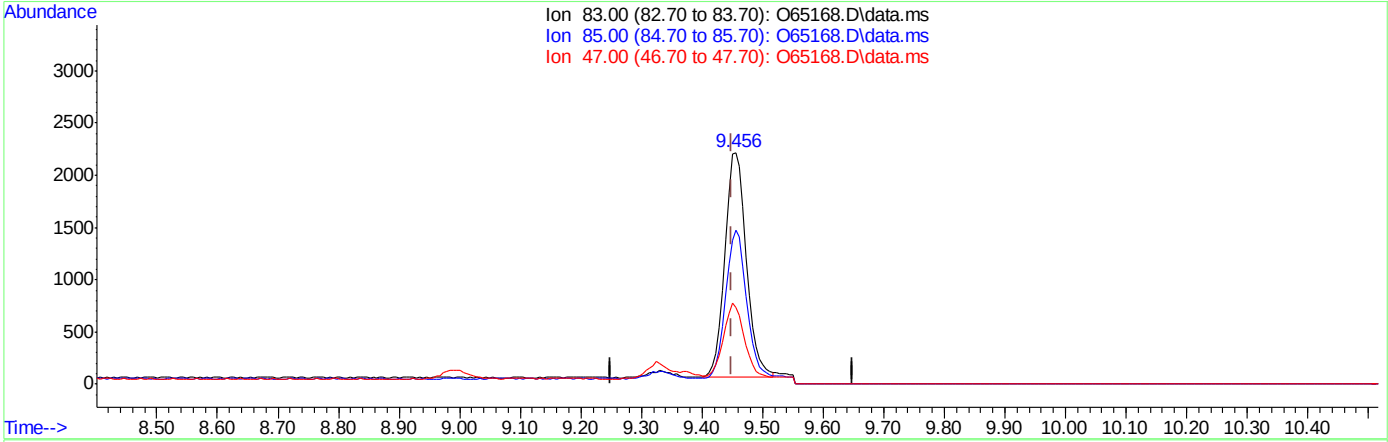
response 5930

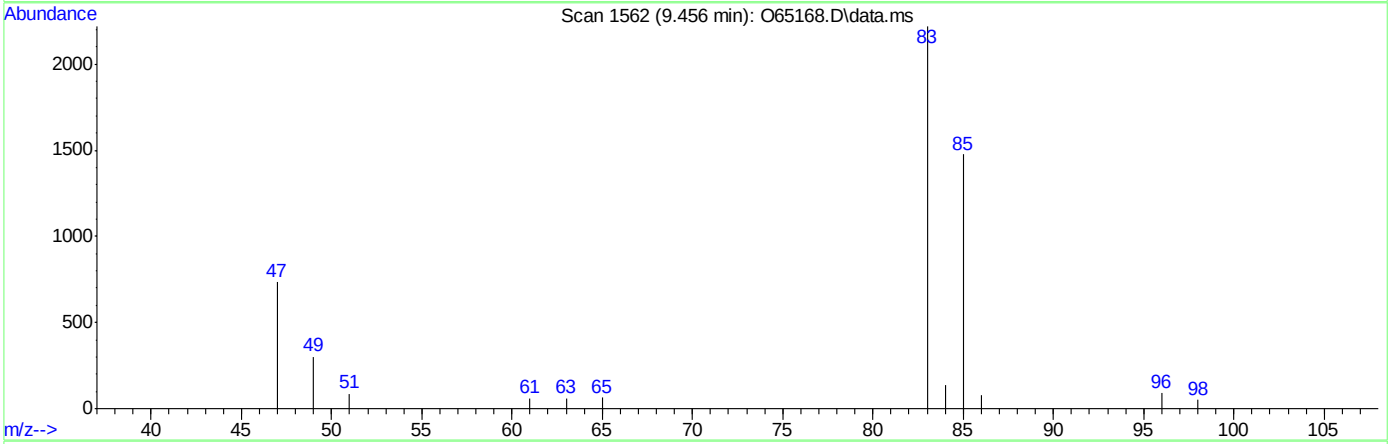
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.47
47.00	35.10	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.54ug/L m

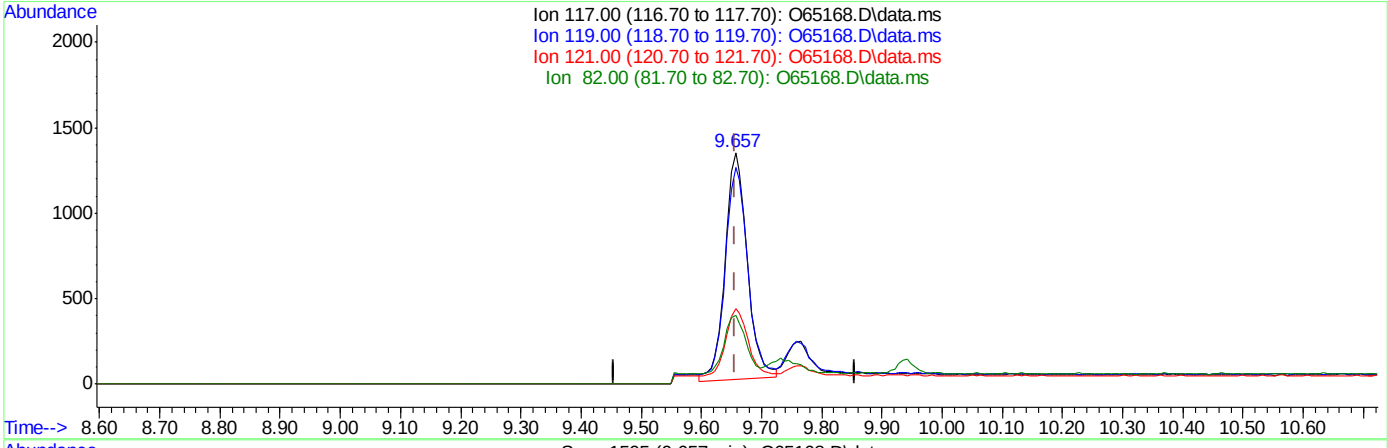
response 5246

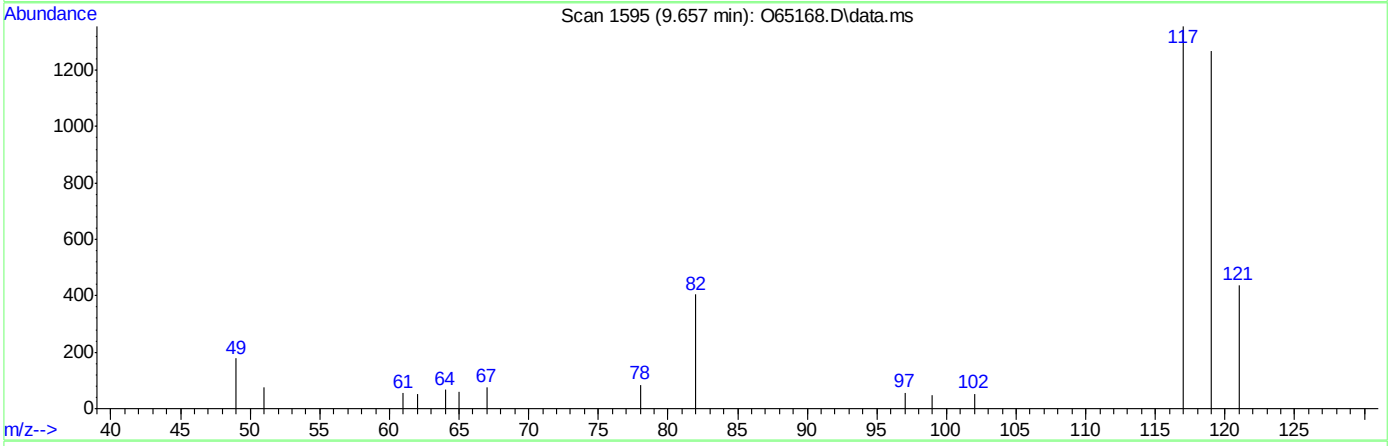
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	66.47
47.00	35.10	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.59ug/L

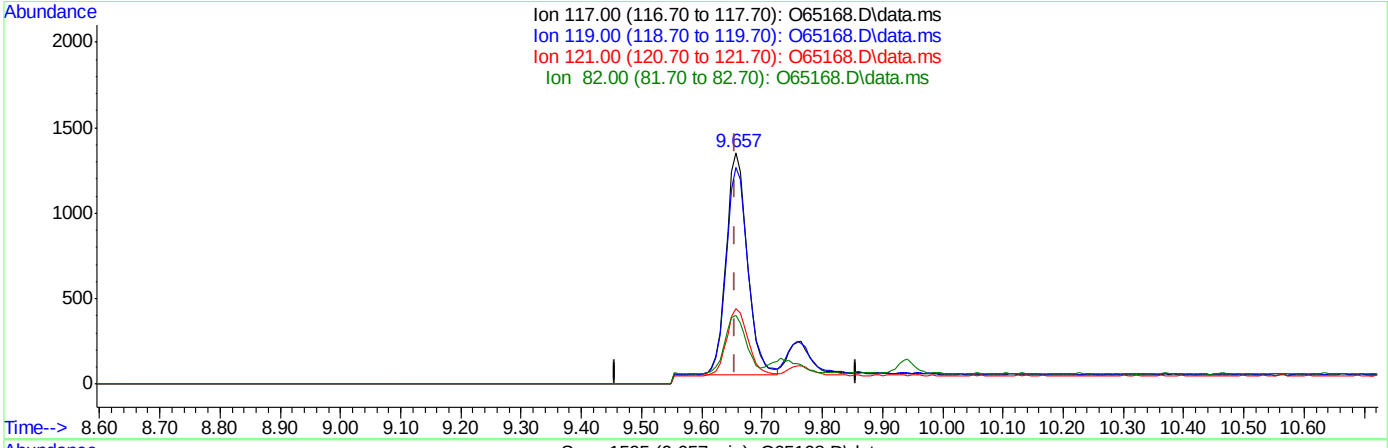
response 3379

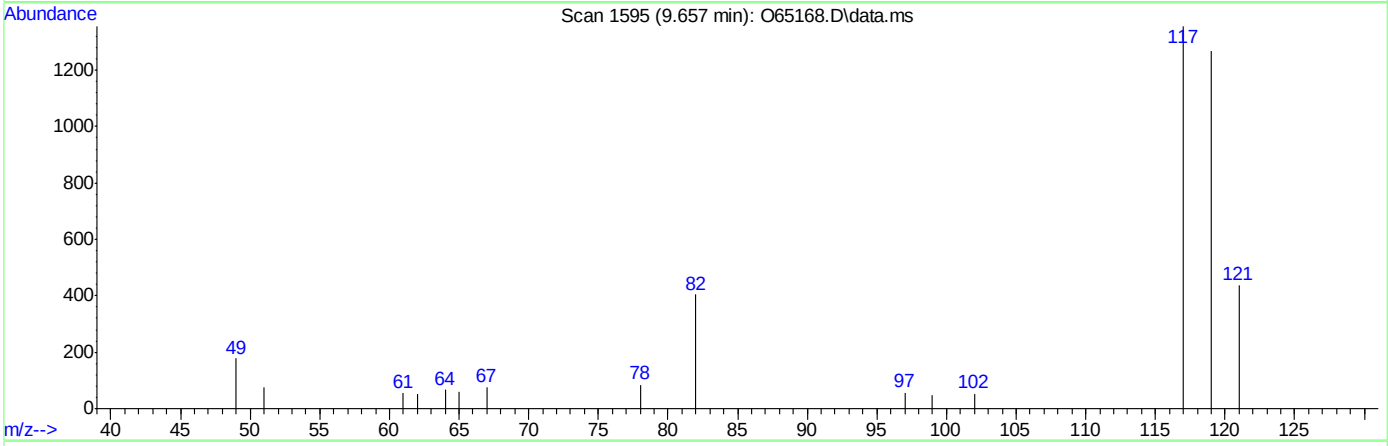
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.08
121.00	31.10	29.98
82.00	24.20	26.44

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65168.D
Acq On : 13 Sep 2021 11:13 am
Operator : charleng
Sample : IC2556-2 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 13 11:36:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:35:59 2021
Response via : Initial Calibration





TIC: O65168.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.56ug/L m

response 3190

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	93.58
121.00	31.10	32.40
82.00	24.20	29.89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65169.D
Acq On : 13 Sep 2021 11:36 am
Operator : charleng
Sample : IC2556-3 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 11:58:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:36:40 2021
Response via : Initial Calibration

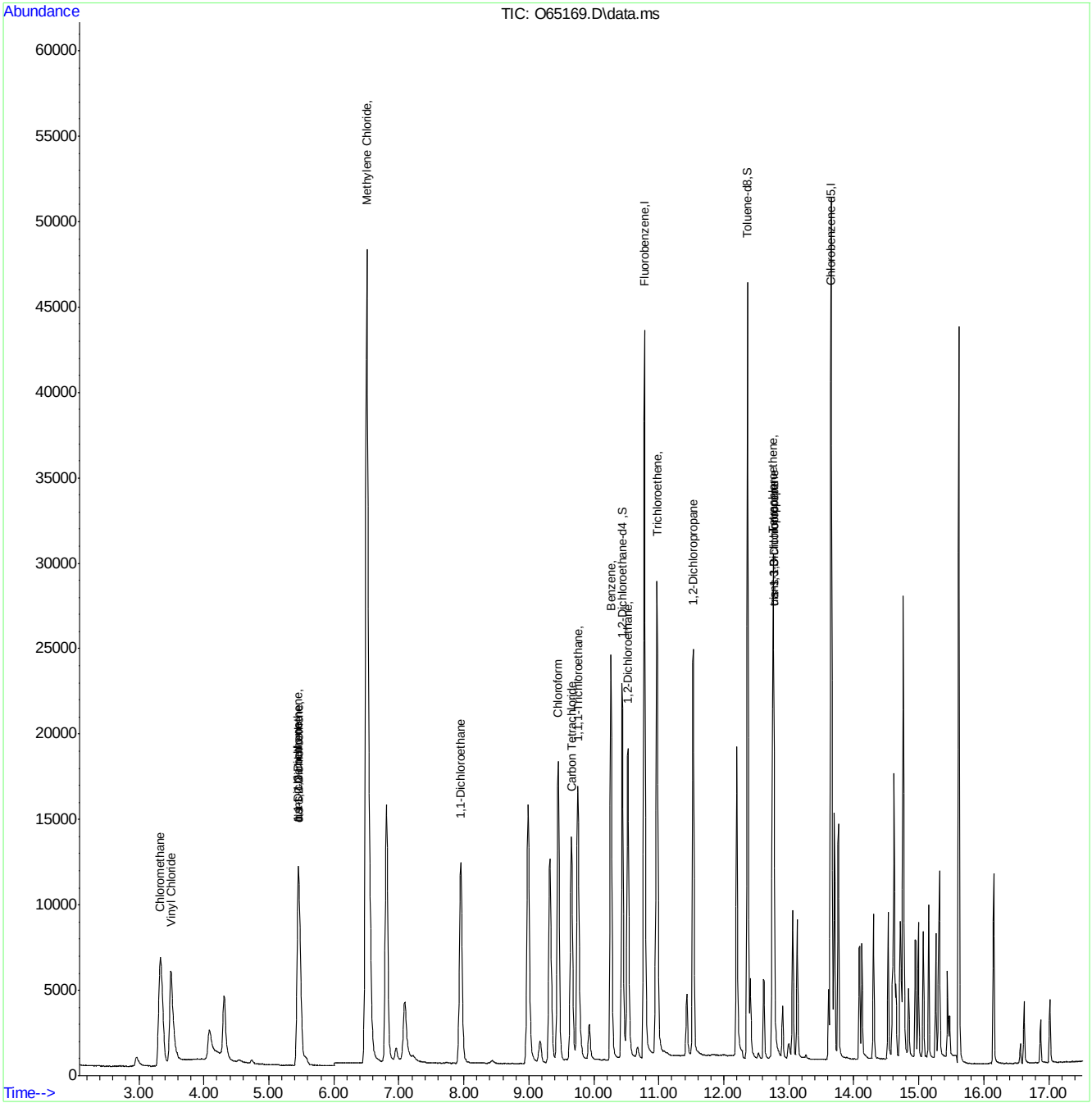
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	49149	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33938	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20520	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	40746	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	14676	2.15	ug/L	99
3) Chloromethane	3.330	50	19705	2.46	ug/L	97
4) 1,1-Dichloroethene	5.452	61	18304	2.00	ug/L	83
5) Methylene Chloride	6.506	49	63694	6.24	ug/L	94
6) trans-1,2-Dichloroethene	5.452	61	18304	2.00	ug/L	79
7) 1,1-Dichloroethane	7.951	63	20846	2.09	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	9064	1.99	ug/L	87
9) Chloroform	9.450	83	20840	2.11	ug/L	98
10) Carbon Tetrachloride	9.656	117	12456	2.14	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	16093	2.05	ug/L	96
12) Benzene	10.267	78	37028	2.00	ug/L	100
14) 1,2-Dichloroethane	10.525	62	19735	2.08	ug/L	92
15) Trichloroethene	10.974	95	11802	2.15	ug/L	95
16) 1,2-Dichloropropane	11.531	63	11790	2.09	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	12921	2.01	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	12921	2.02	ug/L	97
21) Tetrachloroethene	12.752	166	9826	2.02	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65169.D
Acq On : 13 Sep 2021 11:36 am
Operator : charleng
Sample : IC2556-3 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 13 11:58:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:36:40 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65170.D
Acq On : 13 Sep 2021 11:59 am
Operator : charleng
Sample : IC2556-4 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:47:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:58:54 2021
Response via : Initial Calibration

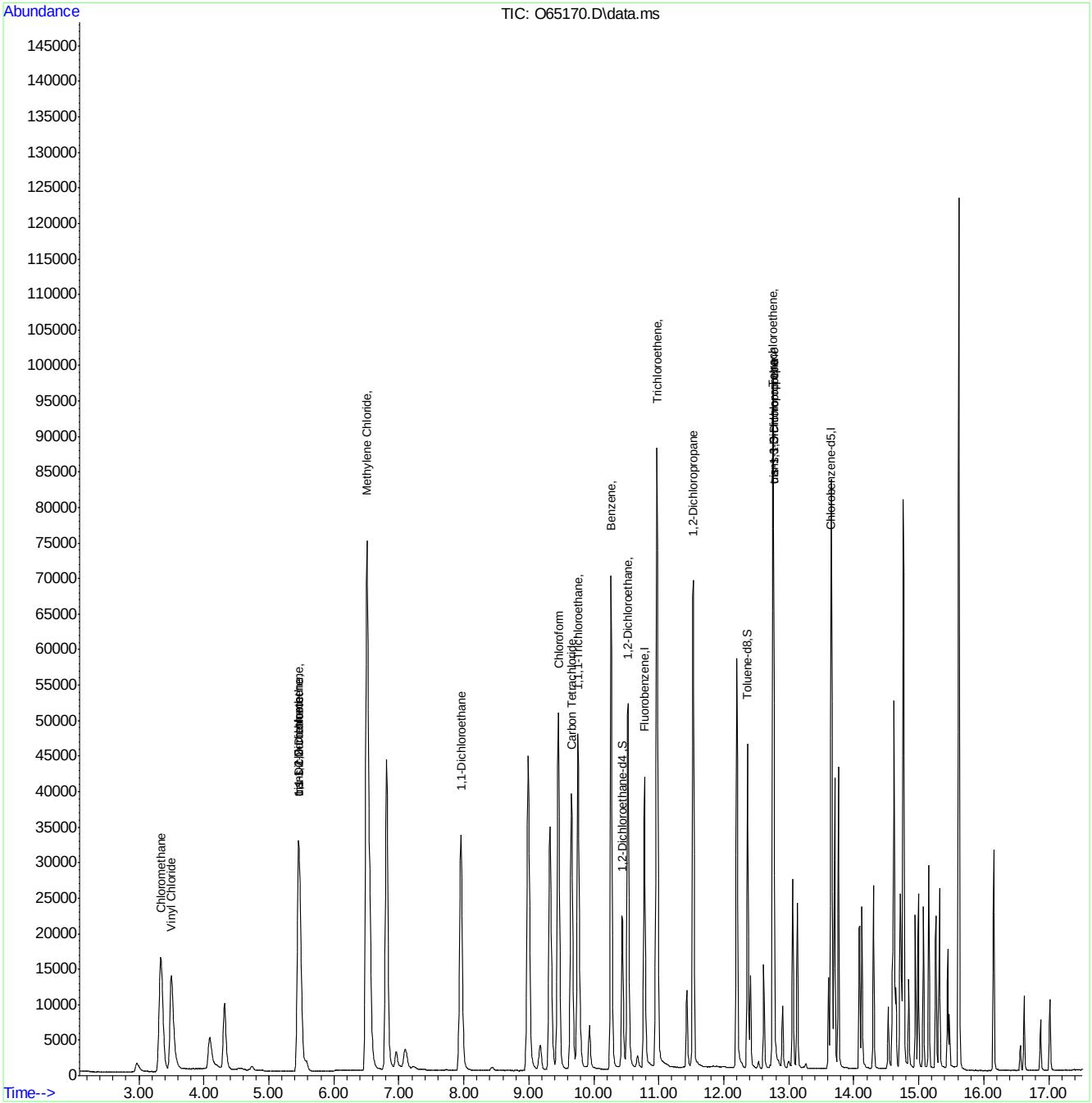
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47309	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33556	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19906	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	39758	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	36548	5.38	ug/L	98
3) Chloromethane	3.335	50	47095	6.02	ug/L	97
4) 1,1-Dichloroethene	5.456	61	53880	6.10	ug/L	82
5) Methylene Chloride	6.506	49	106387	10.65	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	53880	6.10	ug/L	78
7) 1,1-Dichloroethane	7.957	63	59592	6.11	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	26437	5.99	ug/L	90
9) Chloroform	9.456	83	58007	6.02	ug/L	97
10) Carbon Tetrachloride	9.657	117	36621	6.42	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	46707	6.11	ug/L	96
12) Benzene	10.267	78	107450	5.99	ug/L	99
14) 1,2-Dichloroethane	10.525	62	55440	5.98	ug/L	91
15) Trichloroethene	10.974	95	35161	6.53	ug/L	95
16) 1,2-Dichloropropane	11.531	63	33507	6.07	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	39511	6.29	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	39511	6.15	ug/L	95
21) Tetrachloroethene	12.752	166	28907	5.96	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65170.D
Acq On : 13 Sep 2021 11:59 am
Operator : charleng
Sample : IC2556-4 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 13 12:47:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 11:58:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65171.D
Acq On : 13 Sep 2021 12:22 pm
Operator : charleng
Sample : ICC2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:47:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:25 2021
Response via : Initial Calibration

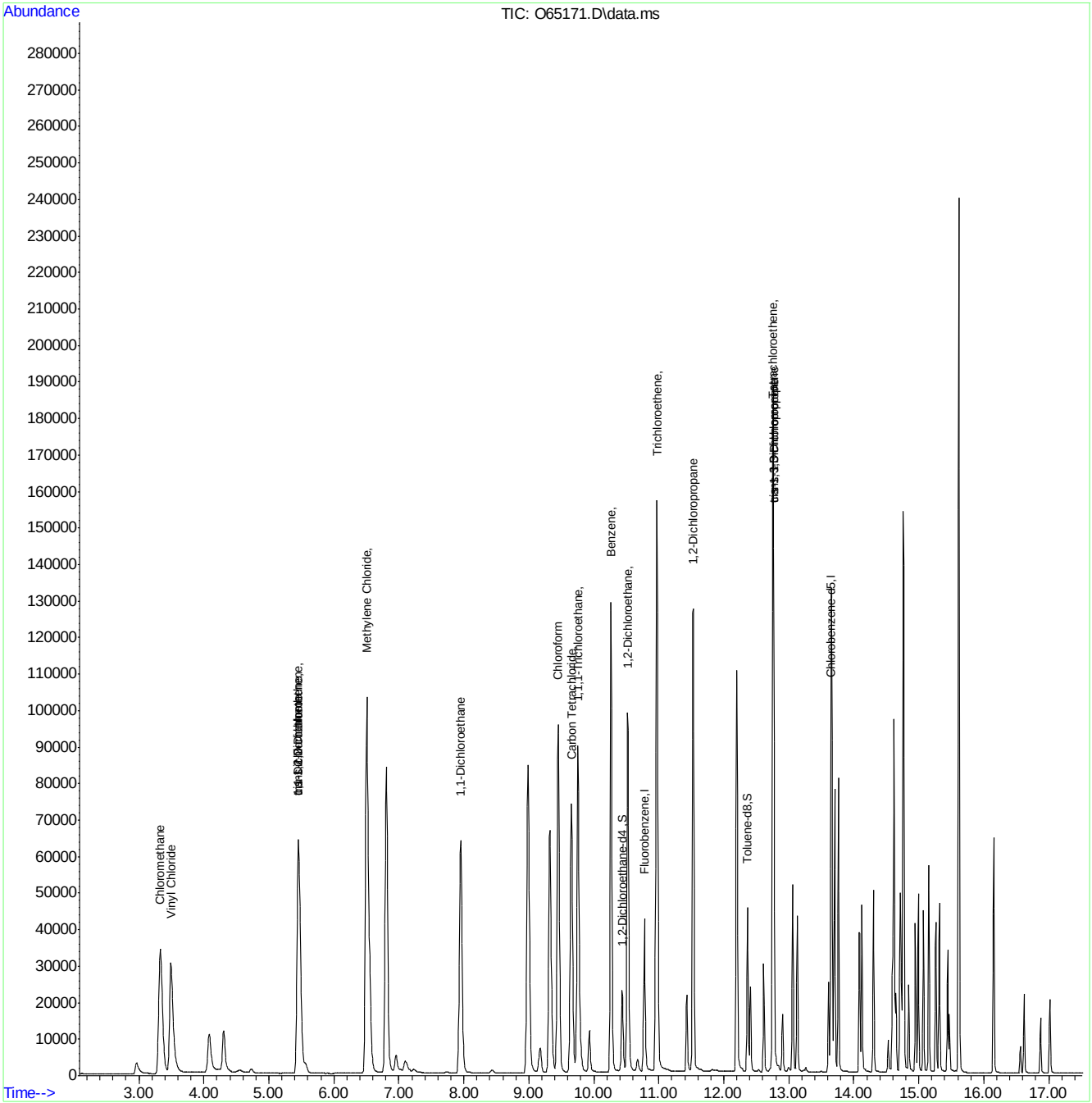
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	46998	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33237	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19779	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	38392	4.83	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	80669	11.63	ug/L	98
3) Chloromethane	3.326	50	96470	12.15	ug/L	97
4) 1,1-Dichloroethene	5.452	61	101252	11.06	ug/L	82
5) Methylene Chloride	6.507	49	140052	13.09	ug/L	94
6) trans-1,2-Dichloroethene	5.452	61	101252	11.06	ug/L	79
7) 1,1-Dichloroethane	7.951	63	110996	10.97	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	49895	10.93	ug/L	90
9) Chloroform	9.450	83	107138	10.75	ug/L	98
10) Carbon Tetrachloride	9.657	117	69143	11.46	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	88369	11.15	ug/L	96
12) Benzene	10.267	78	199160	10.74	ug/L	99
14) 1,2-Dichloroethane	10.519	62	101692	10.64	ug/L	90
15) Trichloroethene	10.974	95	62815	11.09	ug/L	96
16) 1,2-Dichloropropane	11.531	63	62053	10.86	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	74526	11.36	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	74526	11.22	ug/L	95
21) Tetrachloroethene	12.752	166	53928	10.79	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65171.D
Acq On : 13 Sep 2021 12:22 pm
Operator : charleng
Sample : ICC2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:47:28 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:25 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65172.D
Acq On : 13 Sep 2021 12:45 pm
Operator : charleng
Sample : IC2556-6 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 13:09:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:41 2021
Response via : Initial Calibration

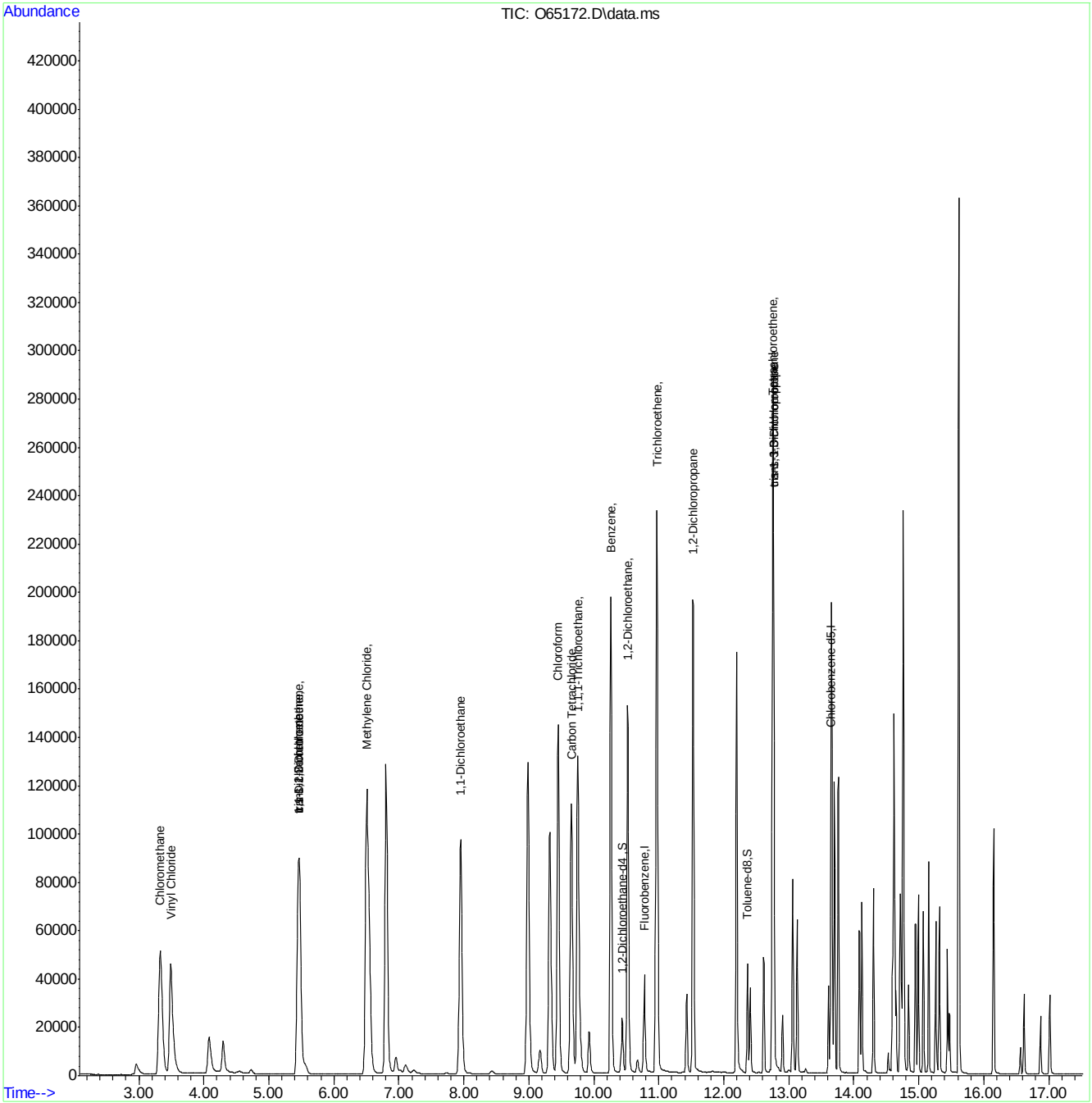
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	45949	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32816	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19593	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	37783	4.85	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	120240	17.16	ug/L	99
3) Chloromethane	3.326	50	144541	13.25	ug/L	97
4) 1,1-Dichloroethene	5.460	61	151747	16.64	ug/L	83
5) Methylene Chloride	6.501	49	190151	2.25	ug/L	91
6) trans-1,2-Dichloroethene	5.460	61	151747	16.64	ug/L	79
7) 1,1-Dichloroethane	7.951	63	167299	16.53	ug/L	99
8) cis-1,2-Dichloroethene	5.465	96	74870	16.48	ug/L	88
9) Chloroform	9.450	83	160648	16.11	ug/L	98
10) Carbon Tetrachloride	9.656	117	105703	17.53	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	133261	16.87	ug/L	97
12) Benzene	10.267	78	303208	16.40	ug/L	98
14) 1,2-Dichloroethane	10.518	62	154513	16.21	ug/L	89
15) Trichloroethene	10.974	95	91733	16.20	ug/L	96
16) 1,2-Dichloropropane	11.525	63	94185	16.50	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	116118	17.80	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	116118	17.45	ug/L	94
21) Tetrachloroethene	12.752	166	80603	16.07	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65172.D
Acq On : 13 Sep 2021 12:45 pm
Operator : charleng
Sample : IC2556-6 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 13 13:09:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 12:47:41 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65173.D
Acq On : 13 Sep 2021 1:08 pm
Operator : charleng
Sample : IC2556-7 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 13:27:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:09:28 2021
Response via : Initial Calibration

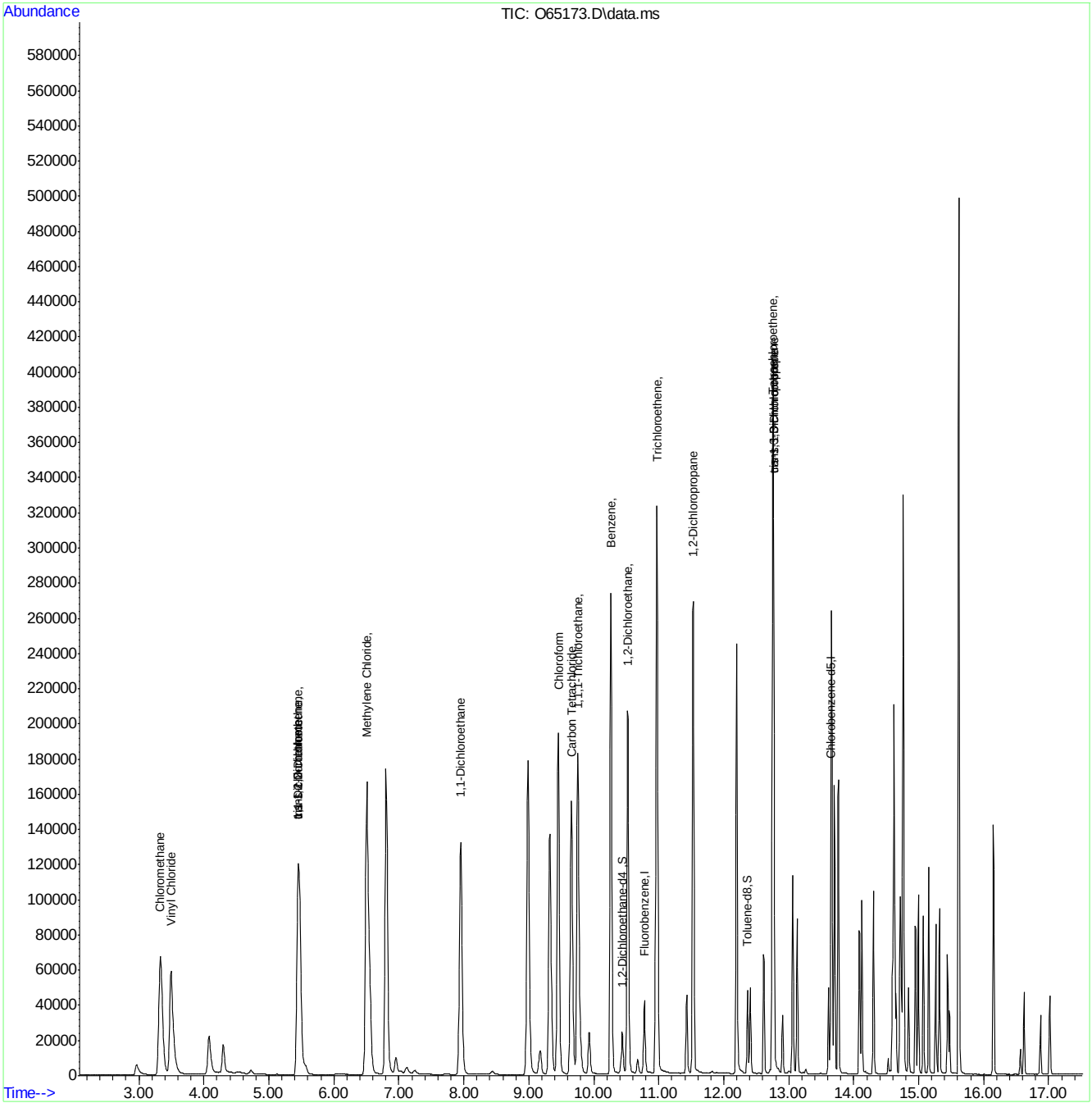
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	46529	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33286	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19880	5.09	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.80%			
19) Toluene-d8	12.367	98	38434	4.91	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	161097	21.78	ug/L	99
3) Chloromethane	3.331	50	190975	16.75	ug/L	97
4) 1,1-Dichloroethene	5.452	61	206852	21.75	ug/L	83
5) Methylene Chloride	6.506	49	241743	2.81	ug/L	95
6) trans-1,2-Dichloroethene	5.452	61	206852	21.75	ug/L	79
7) 1,1-Dichloroethane	7.951	63	227894	21.54	ug/L	98
8) cis-1,2-Dichloroethene	5.452	96	102370	21.62	ug/L	89
9) Chloroform	9.456	83	218393	21.00	ug/L	96
10) Carbon Tetrachloride	9.657	117	143915	22.54	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	182440	22.11	ug/L	97
12) Benzene	10.267	78	415627	21.55	ug/L	99
14) 1,2-Dichloroethane	10.519	62	211100	21.26	ug/L	90
15) Trichloroethene	10.974	95	125825	21.26	ug/L	96
16) 1,2-Dichloropropane	11.531	63	129083	21.66	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	162721	23.77	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	162721	23.37	ug/L	94
21) Tetrachloroethene	12.752	166	110000	21.08	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65173.D
Acq On : 13 Sep 2021 1:08 pm
Operator : charleng
Sample : IC2556-7 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 13 13:27:42 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:09:28 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65175.D
Acq On : 13 Sep 2021 1:54 pm
Operator : charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 14:12:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

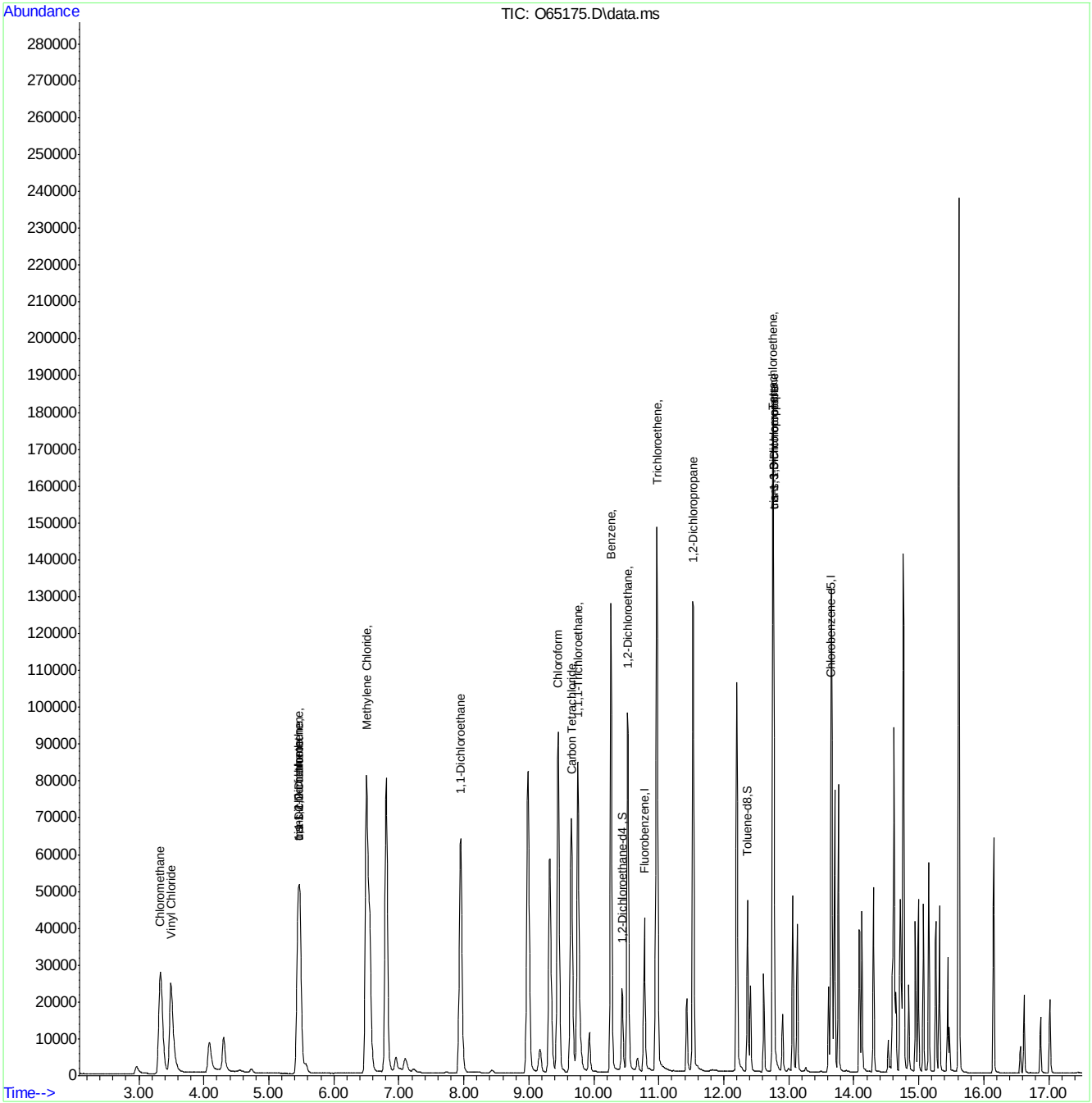
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47785	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33675	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19862	4.91	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.20%			
19) Toluene-d8	12.367	98	39378	5.01	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	67694	8.61	ug/L	99
3) Chloromethane	3.330	50	82923	8.41	ug/L	98
4) 1,1-Dichloroethene	5.465	61	99689	9.95	ug/L	83
5) Methylene Chloride	6.501	49	135352	10.19	ug/L	92
6) trans-1,2-Dichloroethene	5.465	61	99689	9.95	ug/L	78
7) 1,1-Dichloroethane	7.951	63	112642	10.06	ug/L	99
8) cis-1,2-Dichloroethene	5.465	96	49238	9.87	ug/L	89
9) Chloroform	9.450	83	104415	9.50	ug/L	98
10) Carbon Tetrachloride	9.657	117	66047	9.71	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	85632	9.82	ug/L	96
12) Benzene	10.267	78	199227	9.78	ug/L	98
14) 1,2-Dichloroethane	10.519	62	100320	9.57	ug/L	90
15) Trichloroethene	10.974	95	59979	9.58	ug/L	96
16) 1,2-Dichloropropane	11.531	63	62019	9.84	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	73687	10.15	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	73687	10.16	ug/L	95
21) Tetrachloroethene	12.752	166	52810	9.78	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-13\
Data File : O65175.D
Acq On : 13 Sep 2021 1:54 pm
Operator : charleng
Sample : ICV2556-5 Inst : MSVOA12
Misc : MS49714,VO2556,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 14:12:01 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65229.D
Acq On : 14 Sep 2021 1:01 pm
Operator : CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:29:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

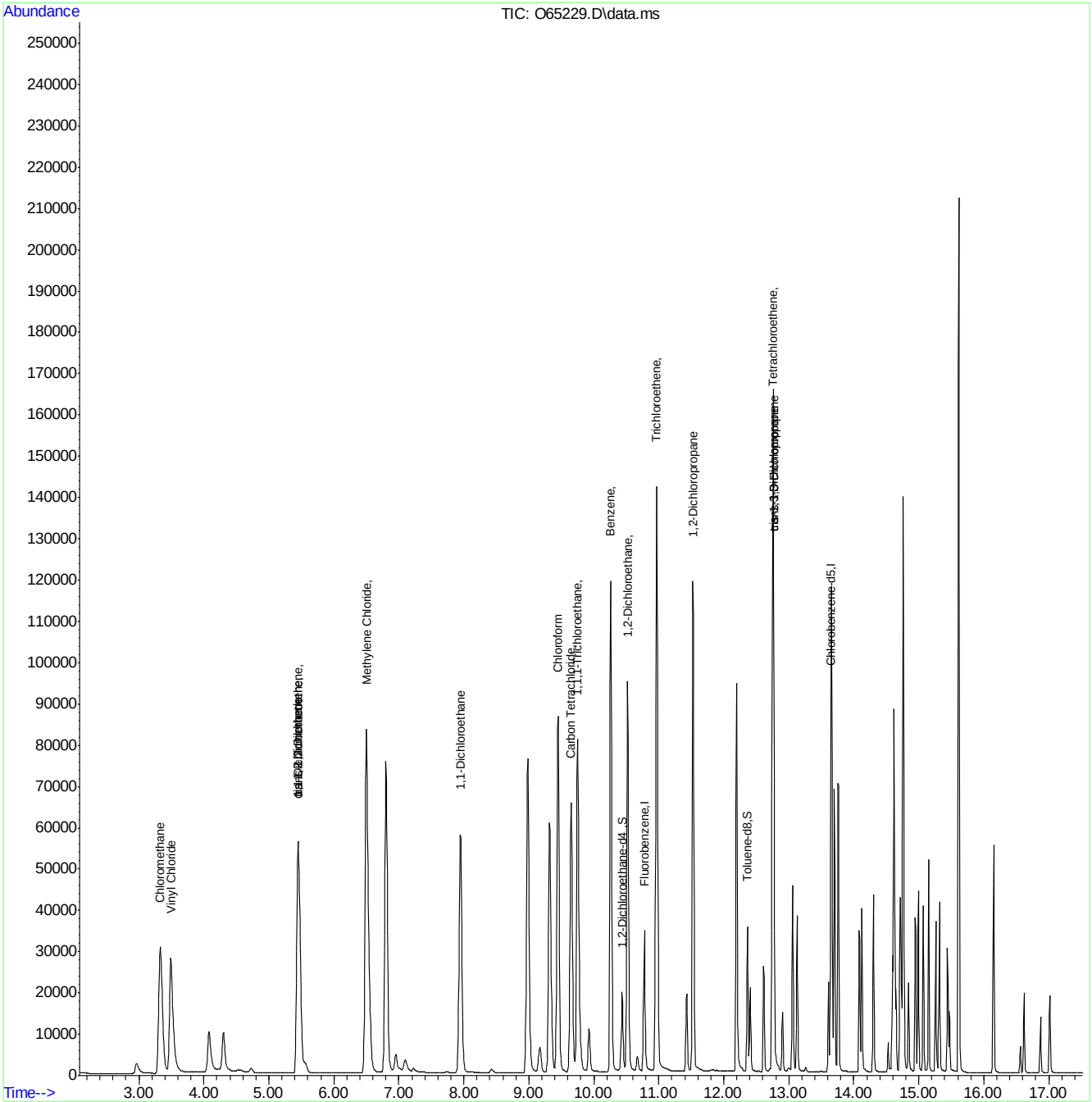
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	38888	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27778	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16840	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	12.367	98	31051	4.78	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	74385	11.62	ug/L	99
3) Chloromethane	3.326	50	86308	10.76	ug/L	97
4) 1,1-Dichloroethene	5.448	61	90853	11.14	ug/L	82
5) Methylene Chloride	6.501	49	113401	10.49	ug/L	92
6) trans-1,2-Dichloroethene	5.448	61	90853	11.14	ug/L	78
7) 1,1-Dichloroethane	7.945	63	100917	11.08	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	44367	10.93	ug/L	88
9) Chloroform	9.450	83	97371	10.89	ug/L	97
10) Carbon Tetrachloride	9.650	117	61851	11.18	ug/L	96
11) 1,1,1-Trichloroethane	9.752	97	79186	11.16	ug/L	95
12) Benzene	10.261	78	180186	10.87	ug/L	97
14) 1,2-Dichloroethane	10.519	62	93093	10.91	ug/L	89
15) Trichloroethene	10.968	95	55133	10.82	ug/L	94
16) 1,2-Dichloropropane	11.525	63	56606	11.04	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	64513	10.92	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	64513	10.79	ug/L	94
21) Tetrachloroethene	12.752	166	48290	10.84	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65229.D
Acq On : 14 Sep 2021 1:01 pm
Operator : CHARLENG
Sample : cc2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:29:14 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65254.D
Acq On : 14 Sep 2021 10:38 pm
Operator : CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 08:31:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

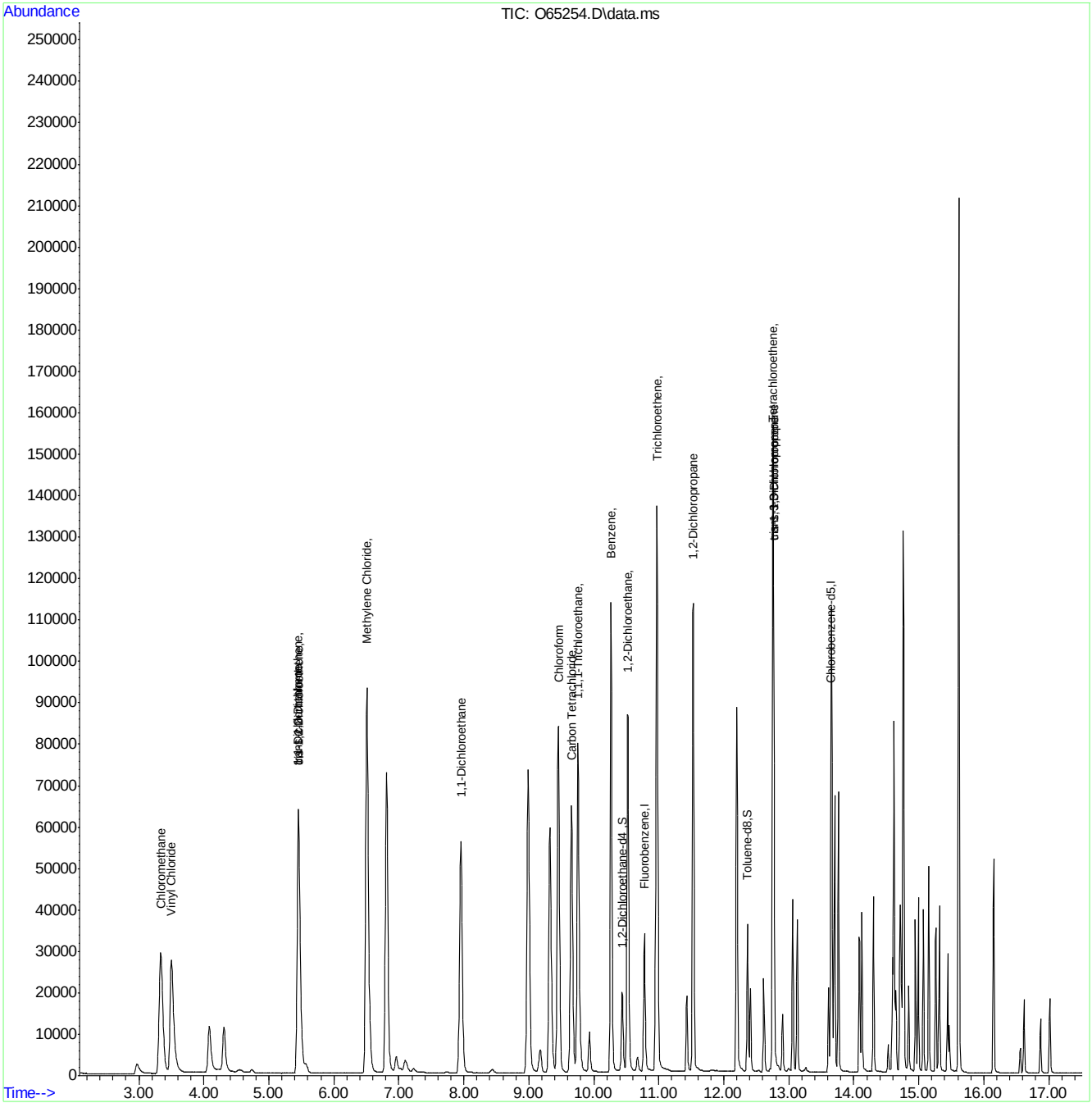
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	37867	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27351	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16653	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	12.367	98	30094	4.71	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	73539	11.80	ug/L	98
3) Chloromethane	3.335	50	82204	10.53	ug/L	96
4) 1,1-Dichloroethene	5.452	61	87357	11.00	ug/L	81
5) Methylene Chloride	6.506	49	109704	10.42	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	87357	11.00	ug/L	77
7) 1,1-Dichloroethane	7.957	63	98237	11.08	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	42192	10.68	ug/L	90
9) Chloroform	9.456	83	94295	10.83	ug/L	97
10) Carbon Tetrachloride	9.657	117	58537	10.86	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	76024	11.00	ug/L	95
12) Benzene	10.267	78	172003	10.66	ug/L	99
14) 1,2-Dichloroethane	10.525	62	89945	10.82	ug/L	91
15) Trichloroethene	10.974	95	53769	10.84	ug/L	96
16) 1,2-Dichloropropane	11.531	63	54238	10.86	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	59763	10.39	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	59763	10.15	ug/L	94
21) Tetrachloroethene	12.752	166	46101	10.51	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-14\
Data File : O65254.D
Acq On : 14 Sep 2021 10:38 pm
Operator : CHARLENG
Sample : ECC2556-5 Inst : MSVOA12
Misc : MS49752,VO2559,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 15 08:31:46 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-13-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	68975	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	51570	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.777	65	23669	3.99	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 79.80%				
19) Toluene-d8	9.576	98	61736	5.81	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 116.20%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	690	0.06	ug/L		77
3) Chloromethane	3.259	50	1658m	0.13	ug/L		
4) 1,1-Dichloroethene	4.708	61	658	0.06	ug/L		96
5) Methylene Chloride	5.358	49	43638	3.12	ug/L	#	66
6) trans-1,2-Dichloroethene	5.545	61	598	0.06	ug/L		80
7) 1,1-Dichloroethane	6.221	63	701	0.05	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	472	0.06	ug/L	#	75
9) Chloroform	7.033	83	998m	0.05	ug/L		
10) Carbon Tetrachloride	7.207	117	576m	0.05	ug/L		
11) 1,1,1-Trichloroethane	7.281	97	741m	0.06	ug/L		
12) Benzene	7.648	78	1720	0.06	ug/L		82
14) 1,2-Dichloroethane	7.845	62	606	0.06	ug/L	#	66
15) Trichloroethene	8.208	95	498	0.06	ug/L		97
16) 1,2-Dichloropropane	8.736	63	415	0.06	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	559	0.06	ug/L	#	65
20) trans-1,3-Dichloropropene	10.017	75	395	0.06	ug/L		79
21) Tetrachloroethene	10.017	166	436	0.06	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	936m	0.07	ug/L		
23) 1,2-Dibromo-3-Chloropr...	14.647	75	104m	0.10	ug/L		

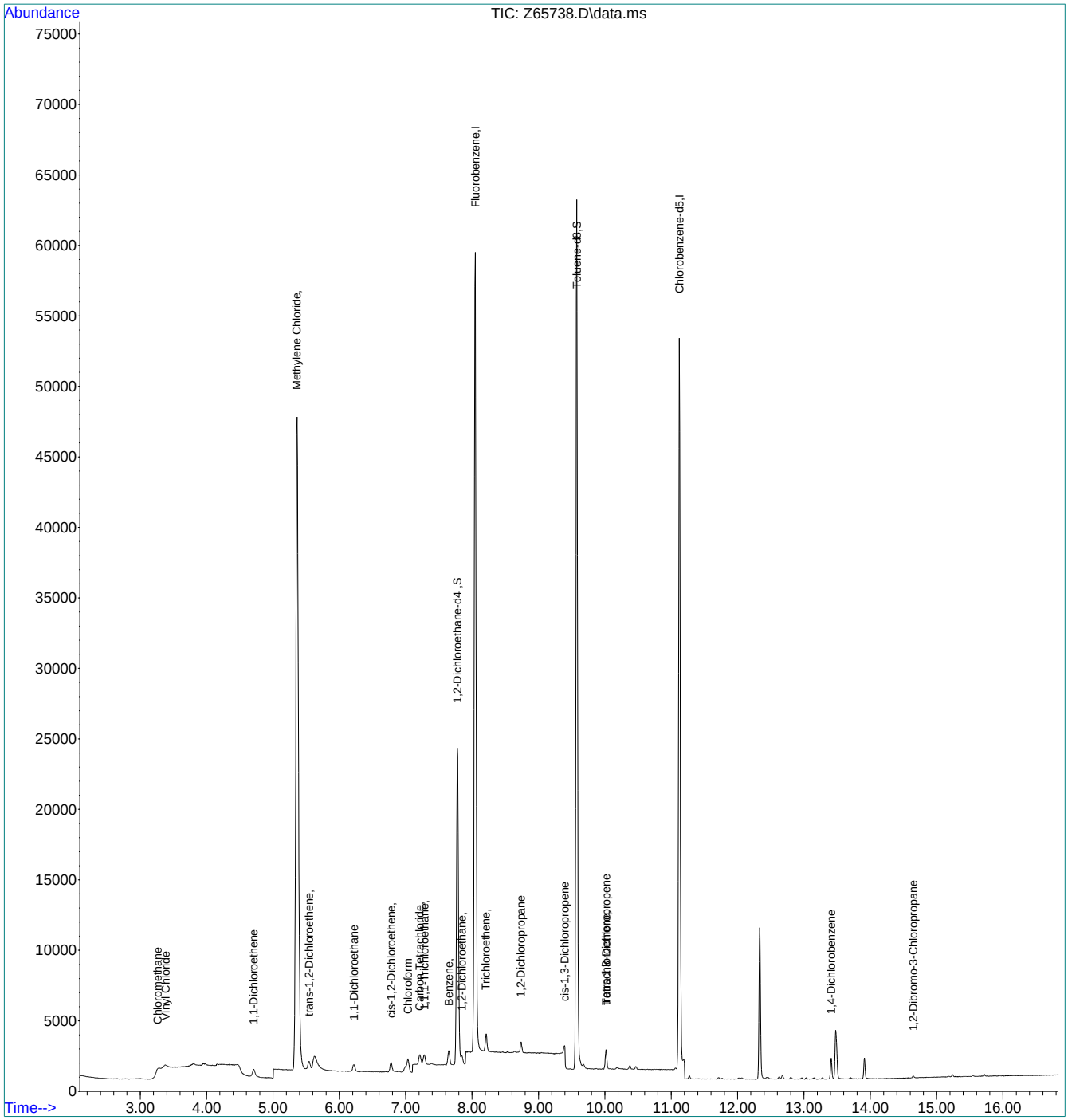
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

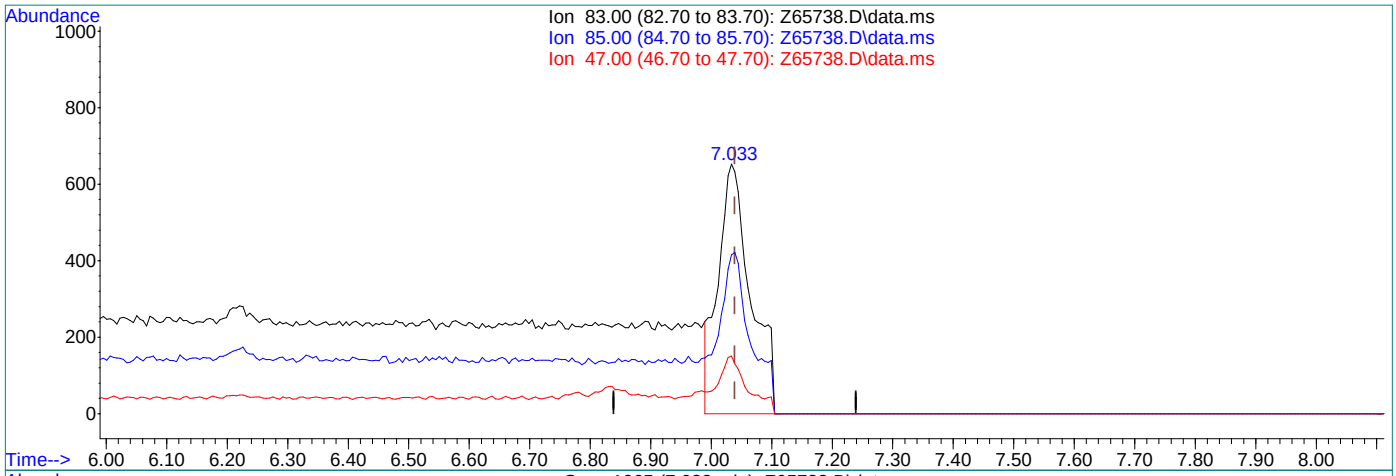
Sample Number: VZ2586-IC2586
Lab FileID: Z65738.D
Injection Time: 09/07/21 10:06
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

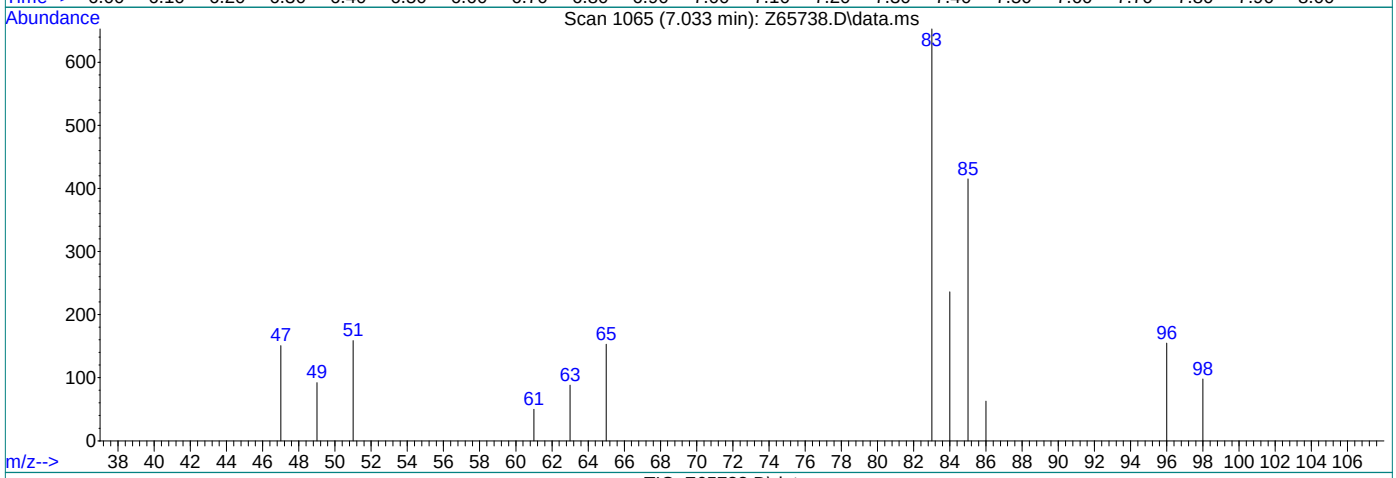
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.26	Overlapping peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.12ug/L

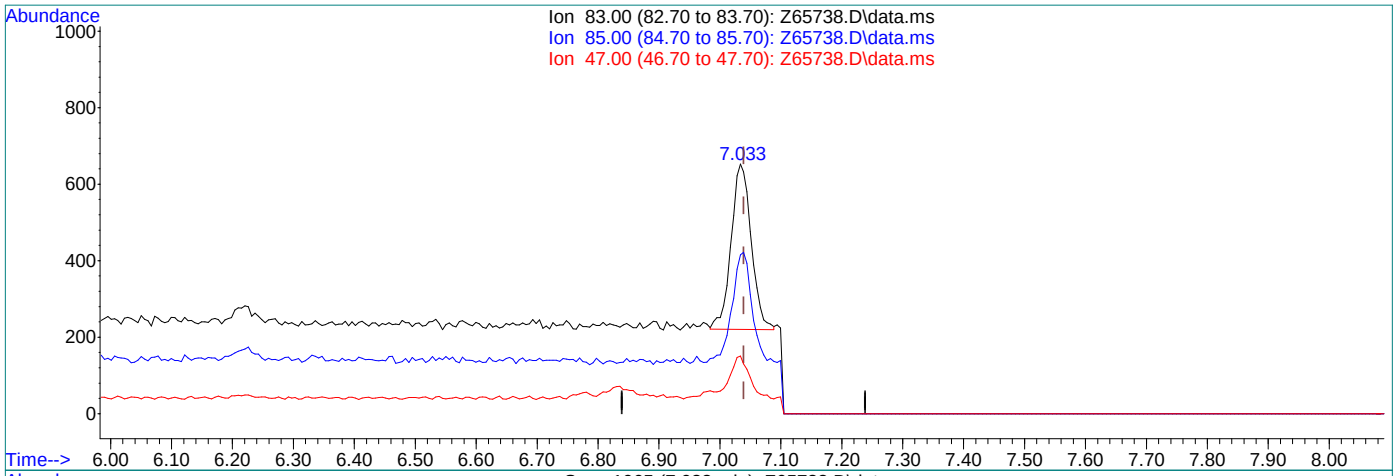
response 2476

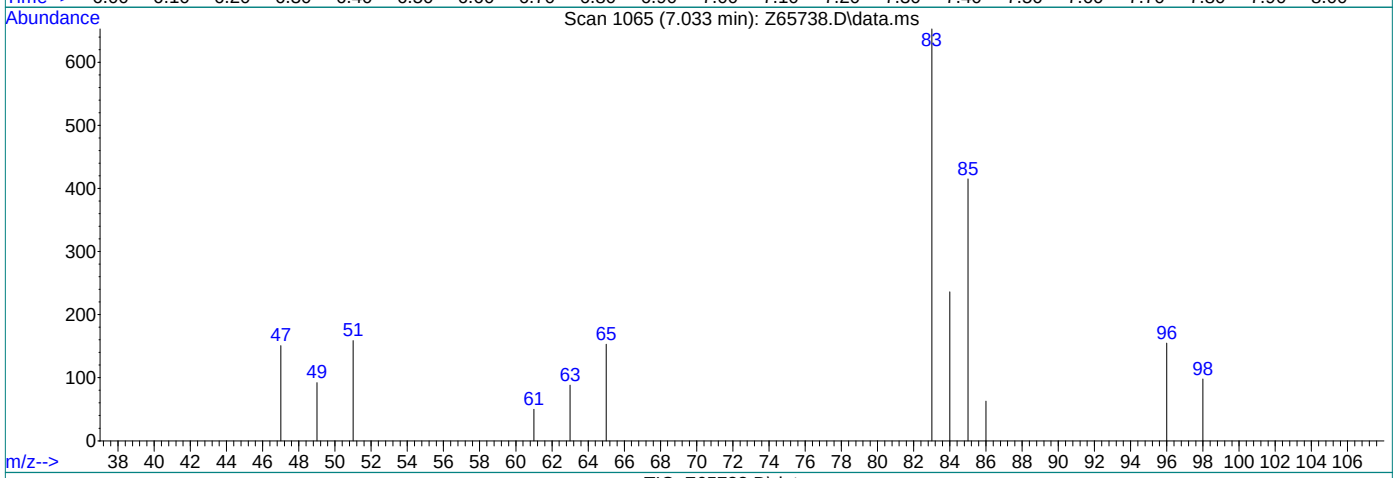
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.05ug/L m

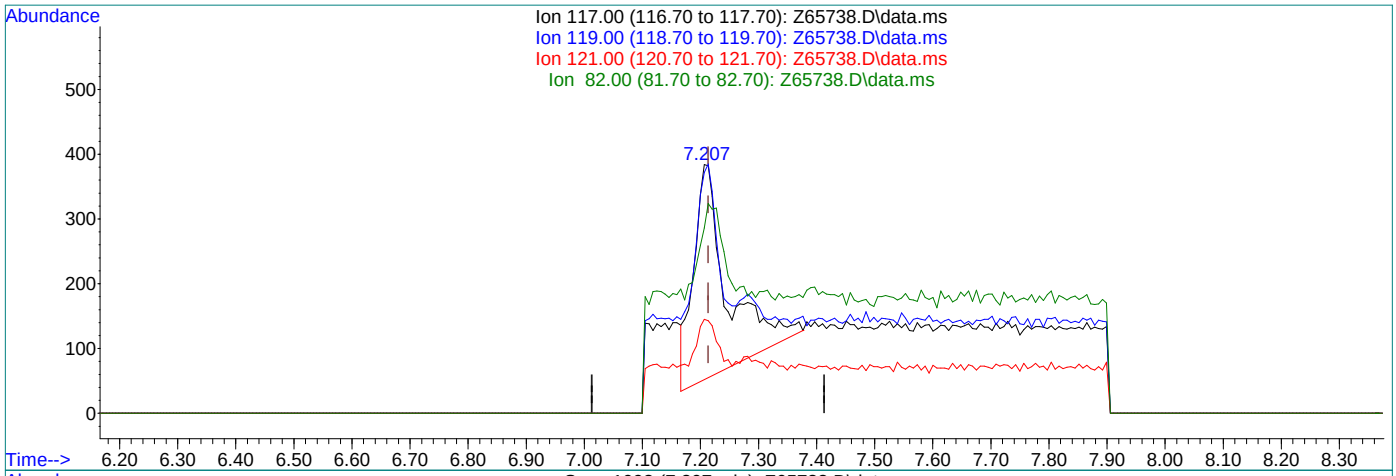
response 998

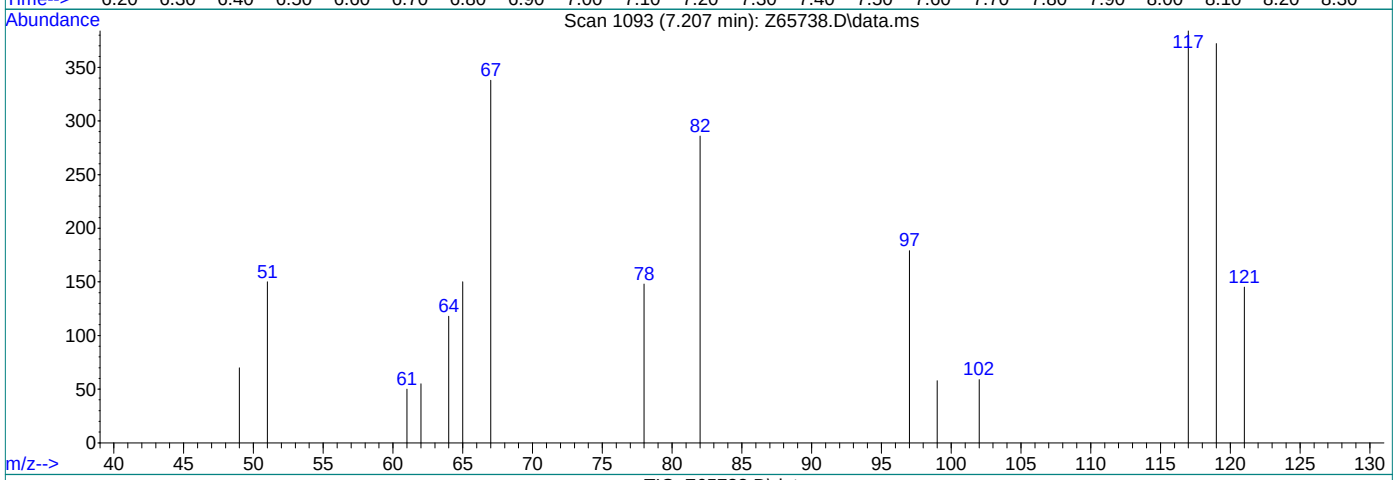
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.13ug/L

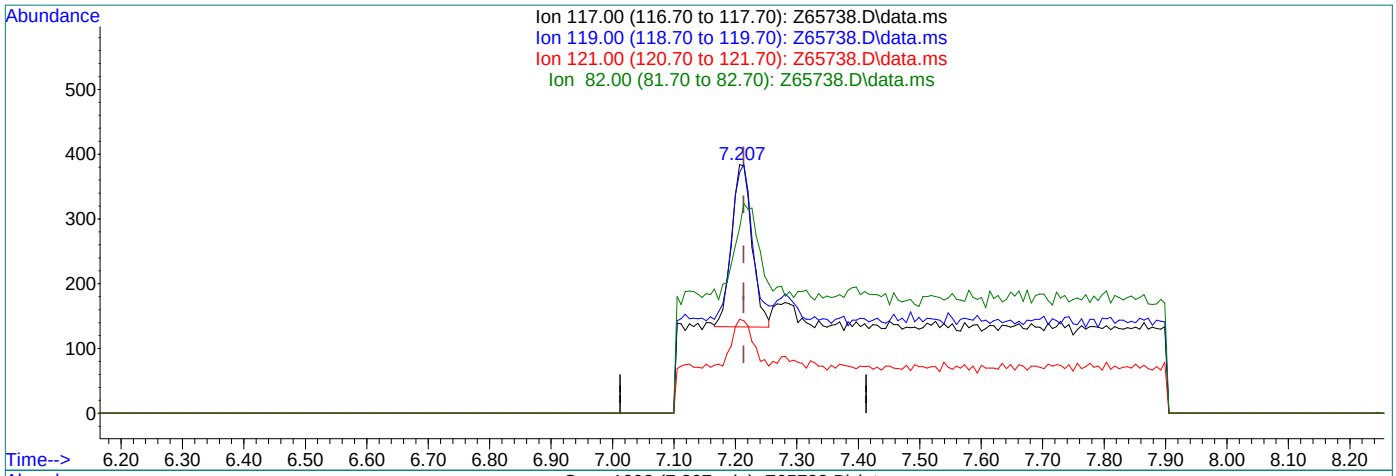
response 1341

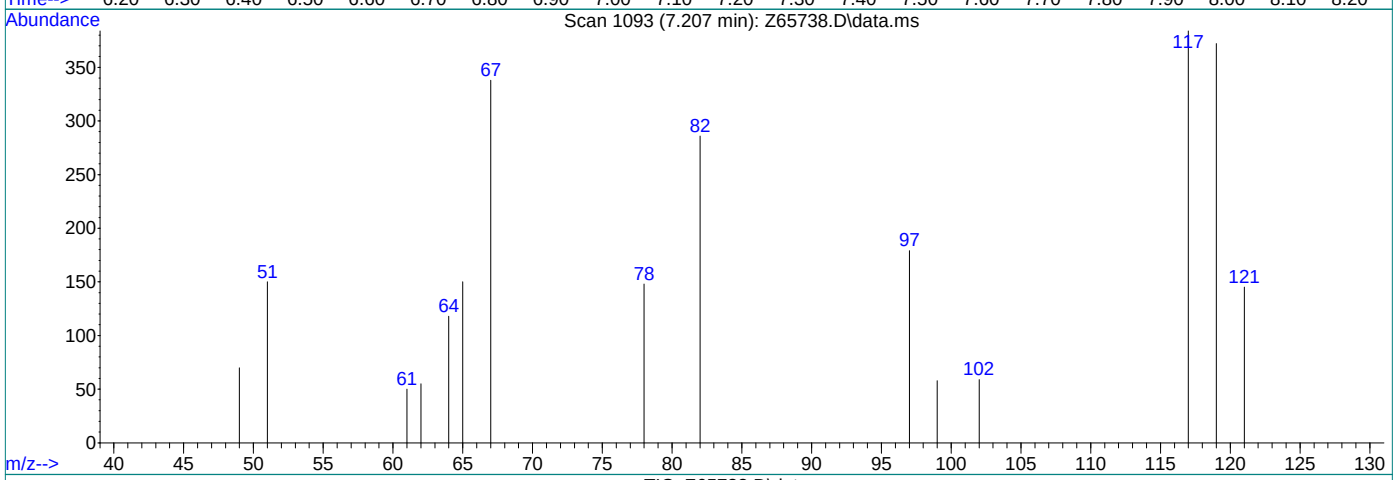
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	88.67
121.00	31.60	27.73
82.00	24.20	41.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.05ug/L m

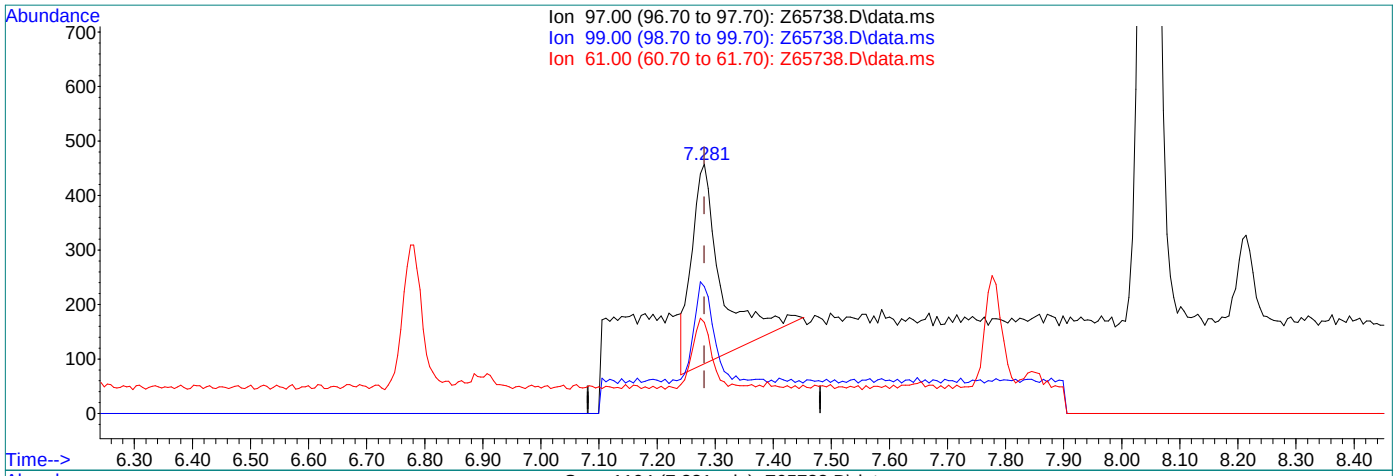
response 576

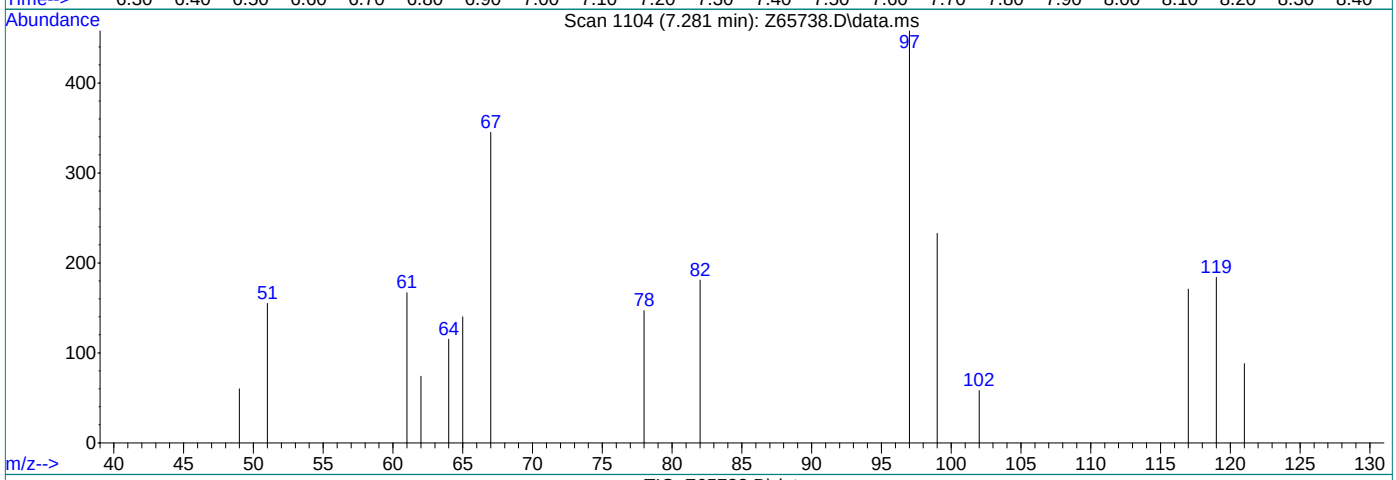
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.88
121.00	31.60	37.76
82.00	24.20	74.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.10ug/L

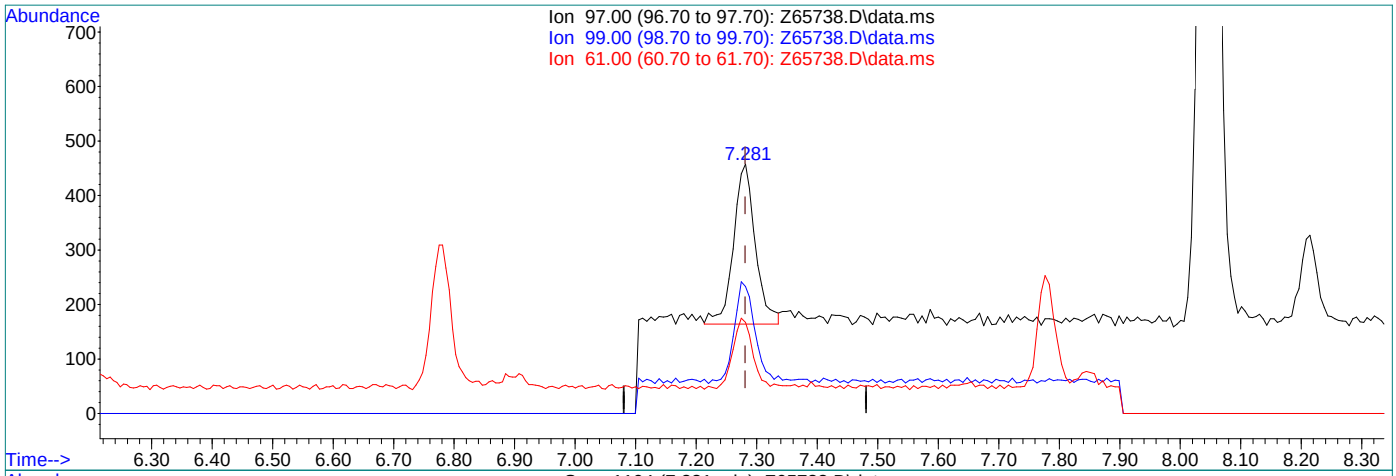
response 1328

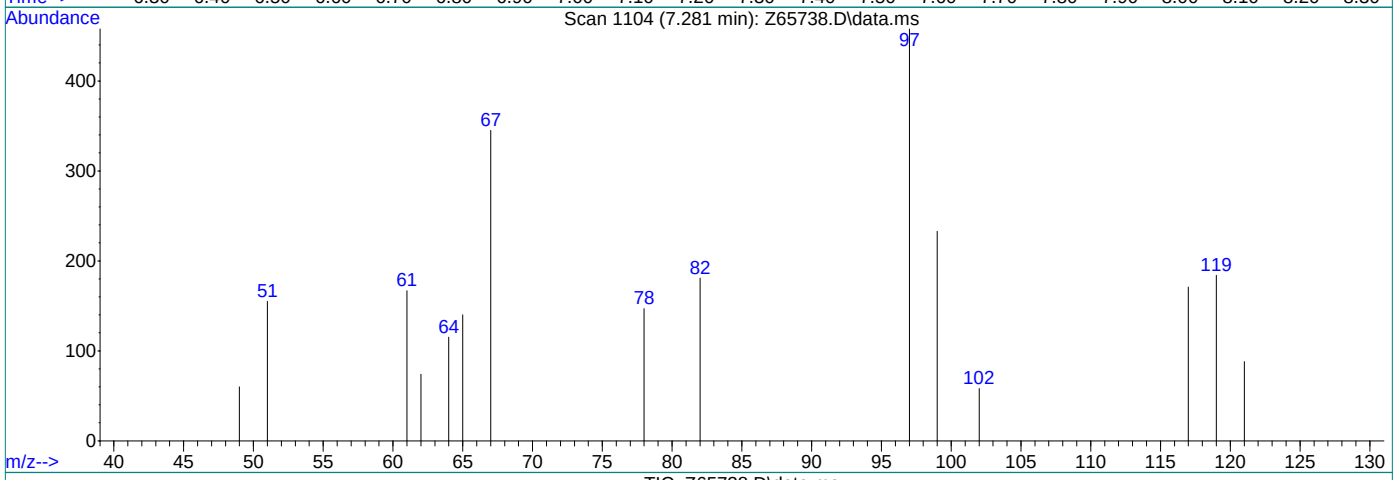
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.77
61.00	61.40	40.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.06ug/L m

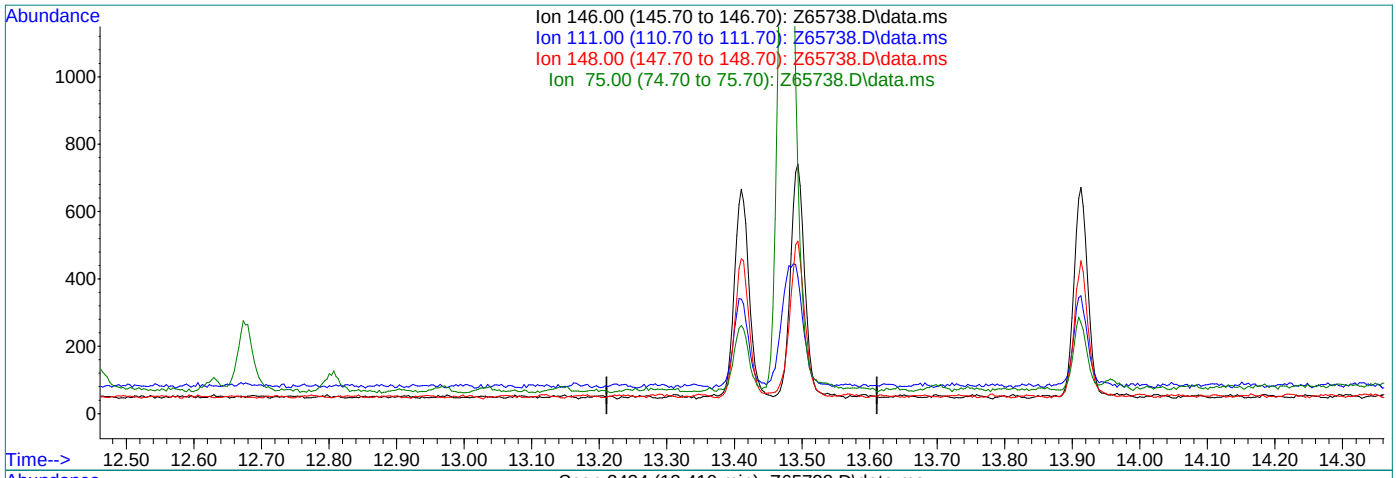
response 741

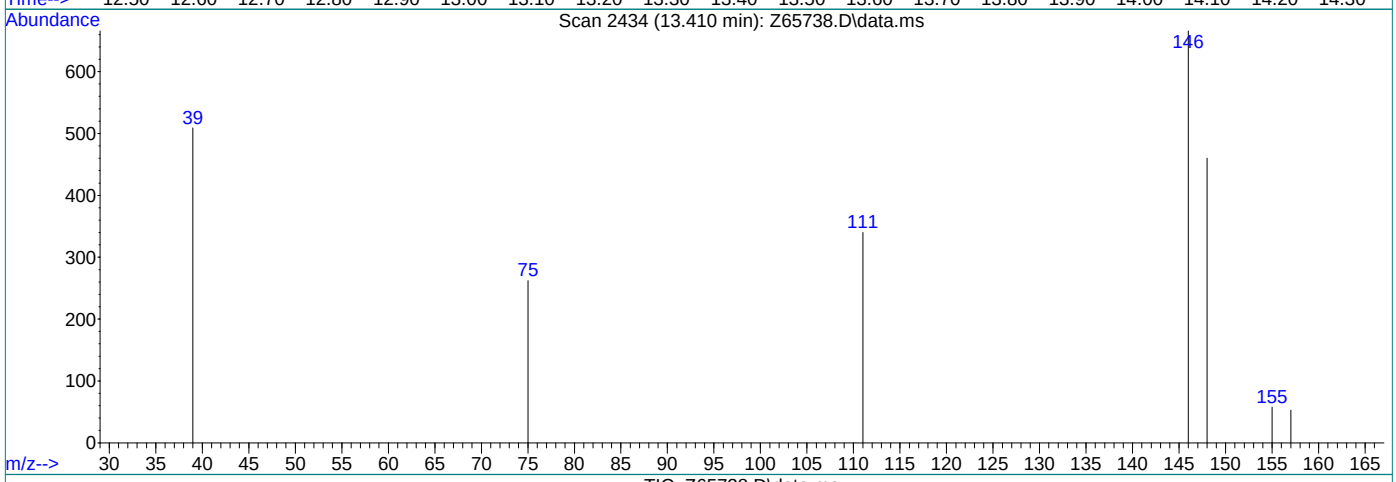
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	50.87
61.00	61.40	36.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.411min (-13.411) 0.00ug/L

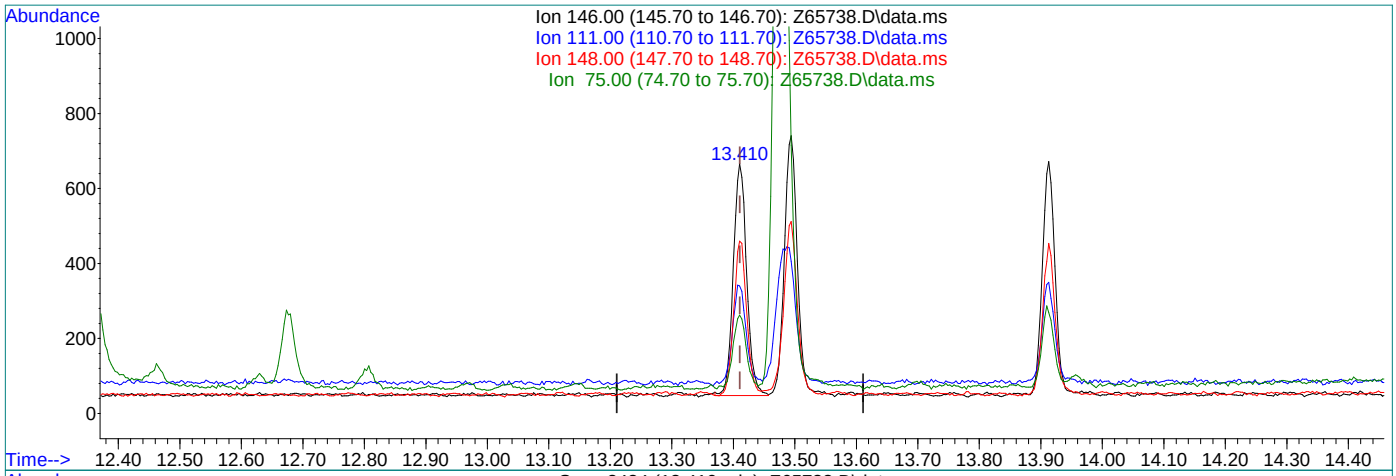
response 0

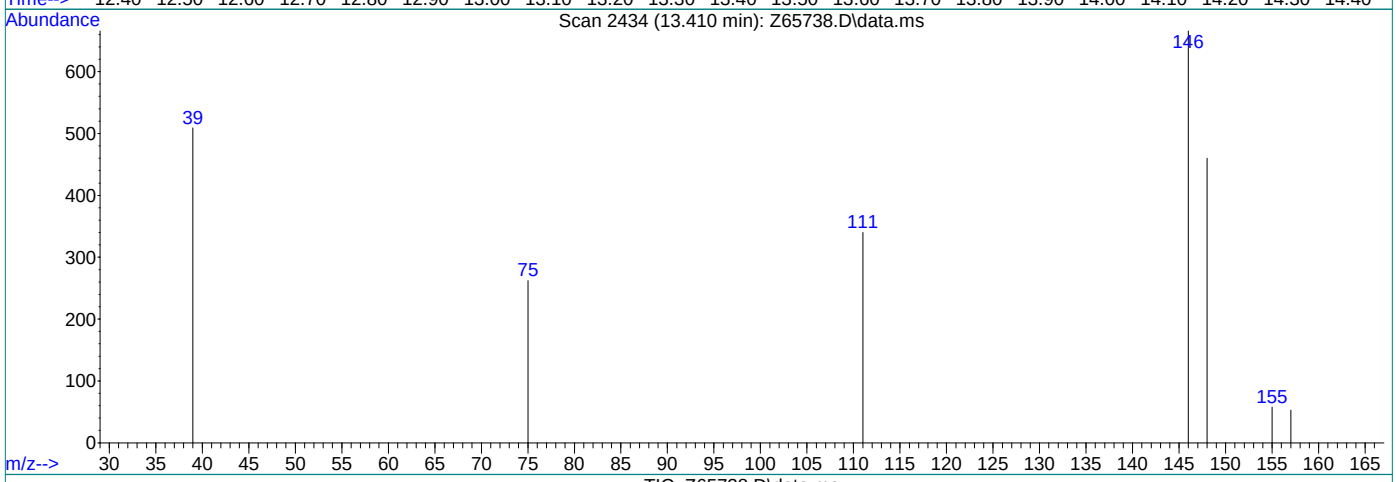
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-0.001) 0.07ug/L m

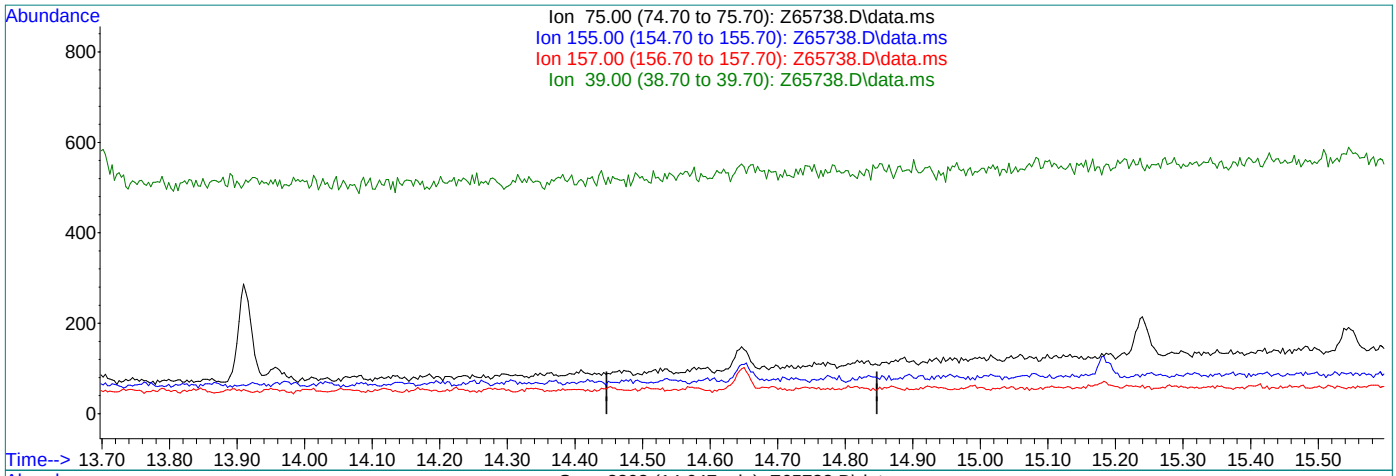
response 936

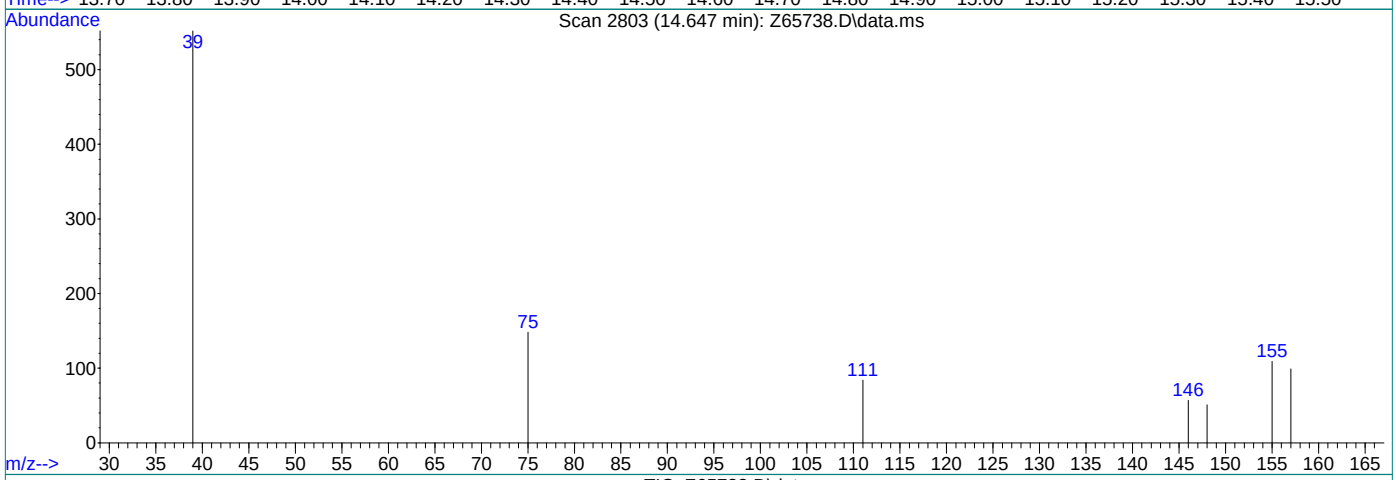
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	51.05
148.00	63.10	69.07
75.00	17.60	39.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

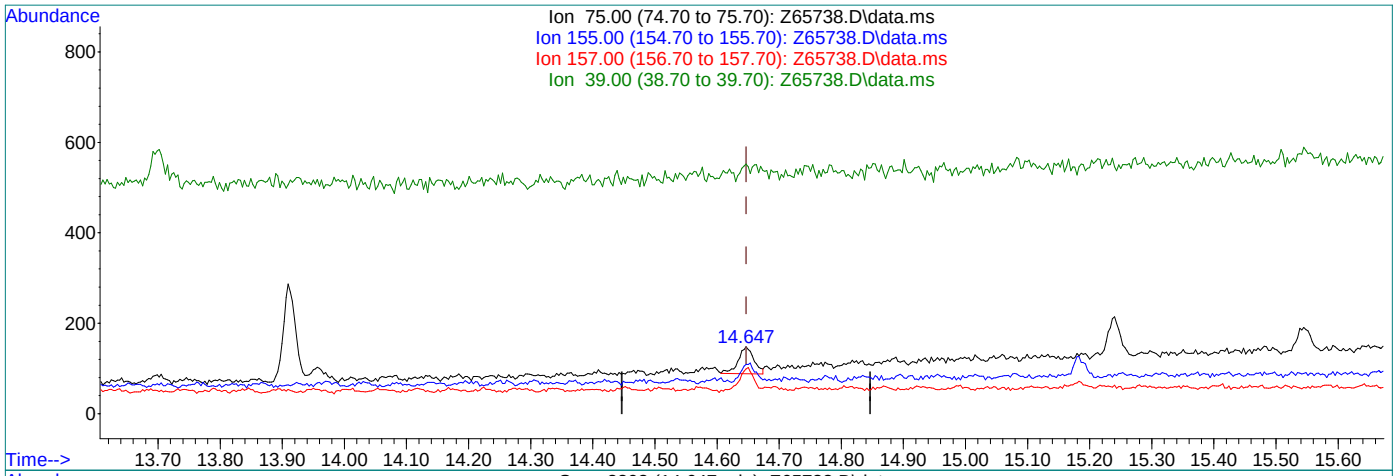
response 0

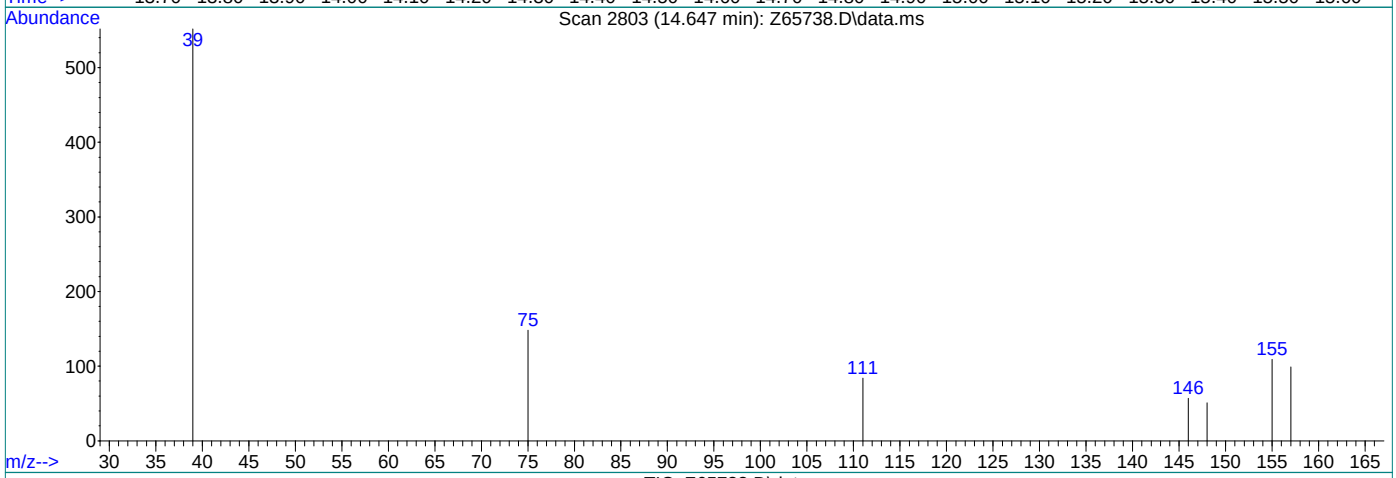
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.10ug/L m

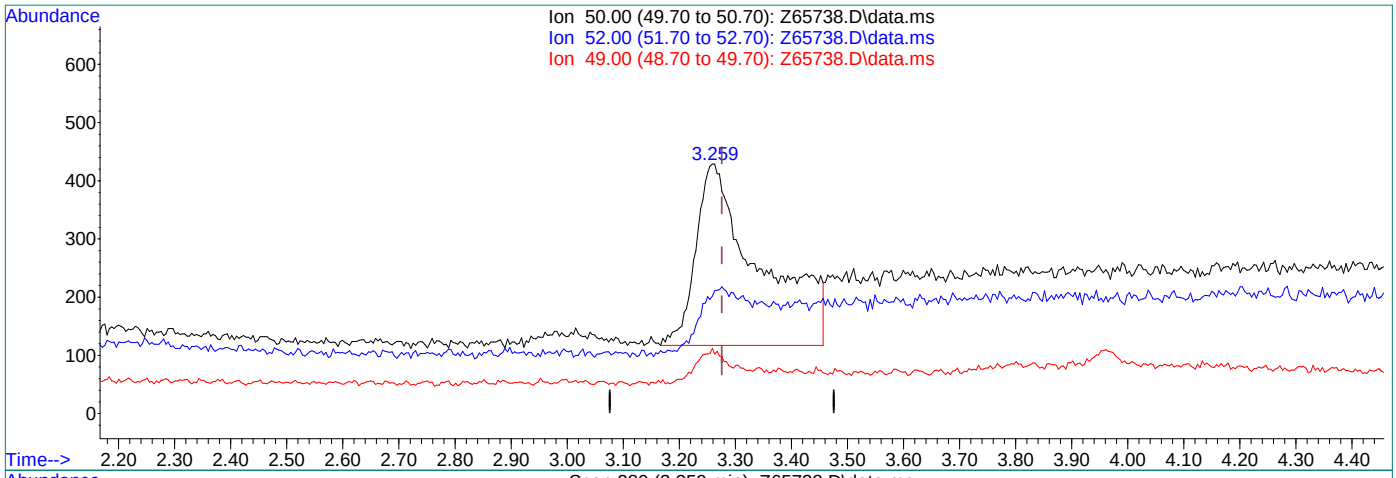
response 104

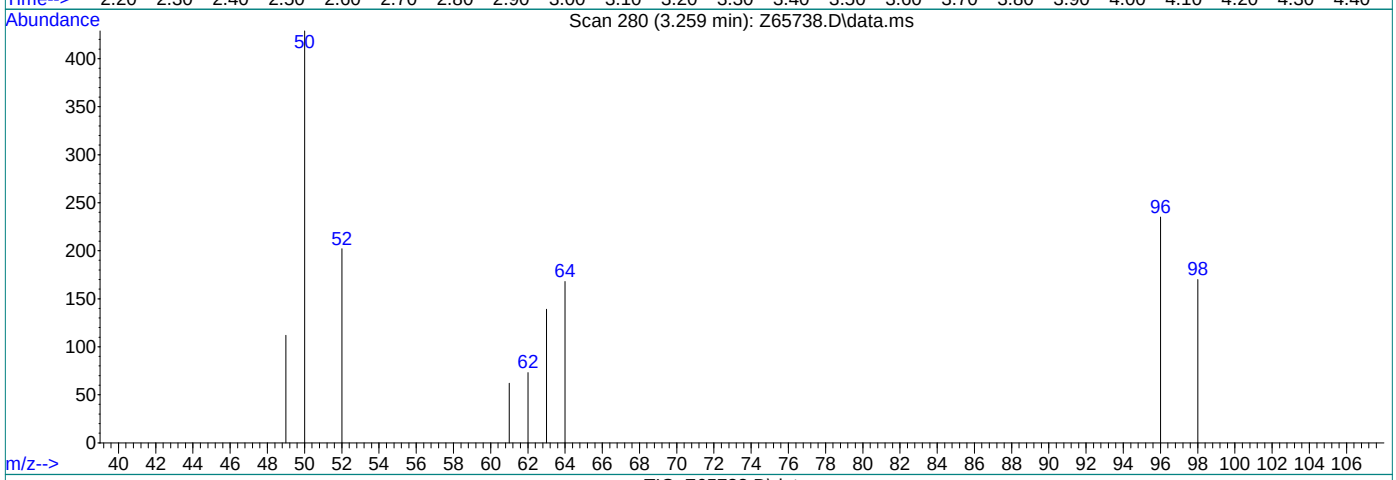
Ion	Exp%	Act%
75.00	100	100
155.00	67.70	73.65
157.00	81.90	66.89
39.00	23.90	372.97#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.19ug/L

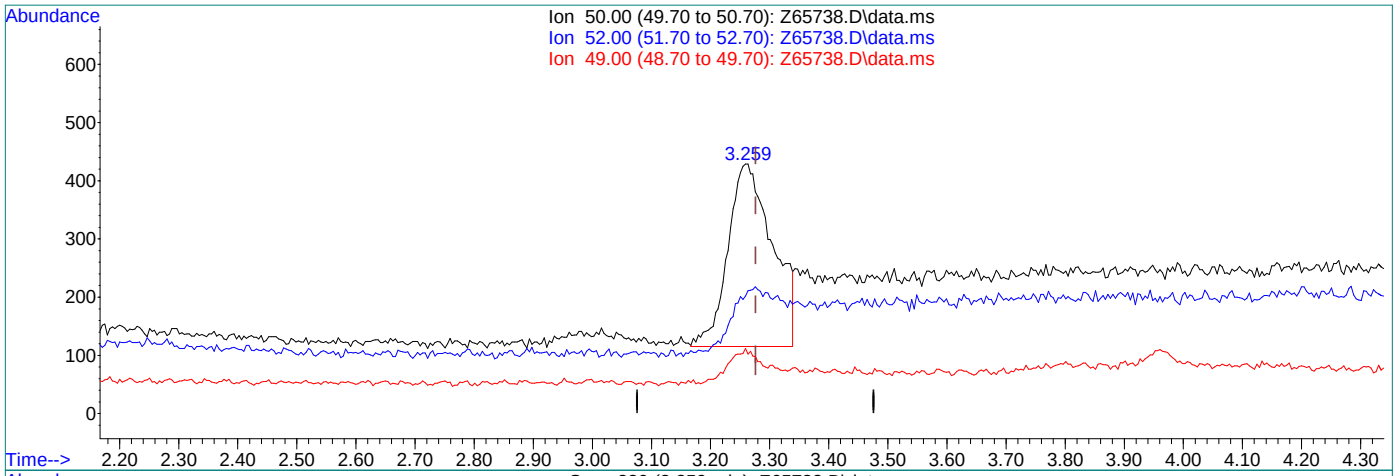
response 2471

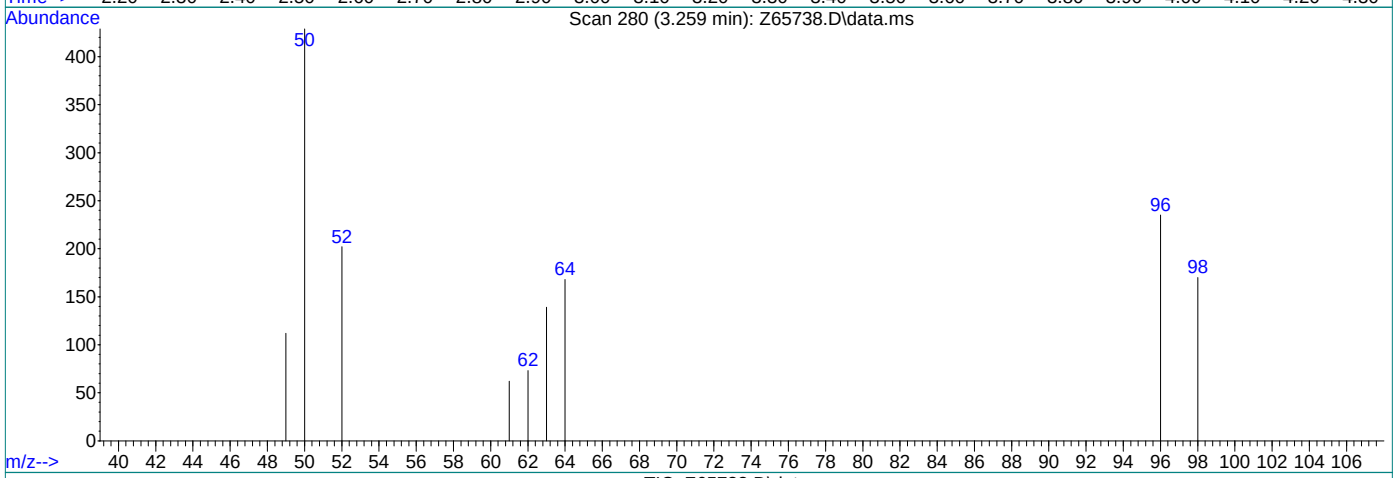
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	30.13
49.00	9.90	18.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.13ug/L m

response 1658

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	47.09
49.00	9.90	26.11
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	61634	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	45214	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21254	4.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 84.00%			
19) Toluene-d8	9.576	98	55507	5.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 117.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	2944m	0.31	ug/L	
3) Chloromethane	3.255	50	4047m	0.38	ug/L	
4) 1,1-Dichloroethene	4.713	61	4309	0.44	ug/L	96
5) Methylene Chloride	5.364	49	36659	0.57	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	4063	0.45	ug/L	81
7) 1,1-Dichloroethane	6.221	63	4733	0.41	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	3178	0.49	ug/L #	74
9) Chloroform	7.039	83	5704m	0.39	ug/L	
10) Carbon Tetrachloride	7.213	117	3653m	0.41	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	4454m	0.40	ug/L	
12) Benzene	7.648	78	10704	0.45	ug/L	81
14) 1,2-Dichloroethane	7.851	62	3808	0.42	ug/L	82
15) Trichloroethene	8.214	95	3030	0.44	ug/L	92
16) 1,2-Dichloropropane	8.742	63	2735	0.45	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	3587	0.48	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	2476	0.42	ug/L #	73
21) Tetrachloroethene	10.022	166	2944	0.51	ug/L #	97
22) 1,4-Dichlorobenzene	13.410	146	6085	0.52	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	436m	0.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

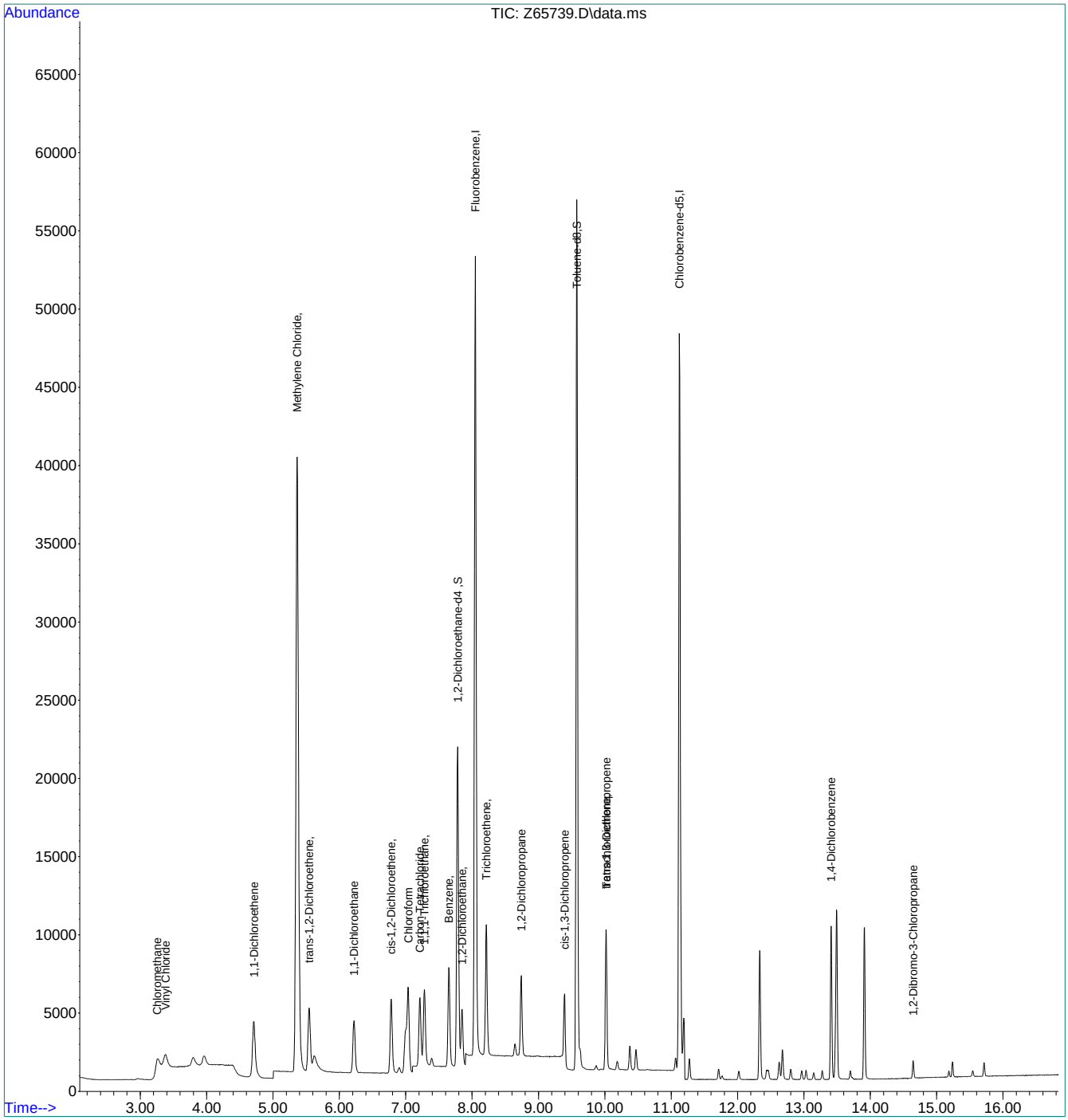
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



Manual Integration Approval Summary

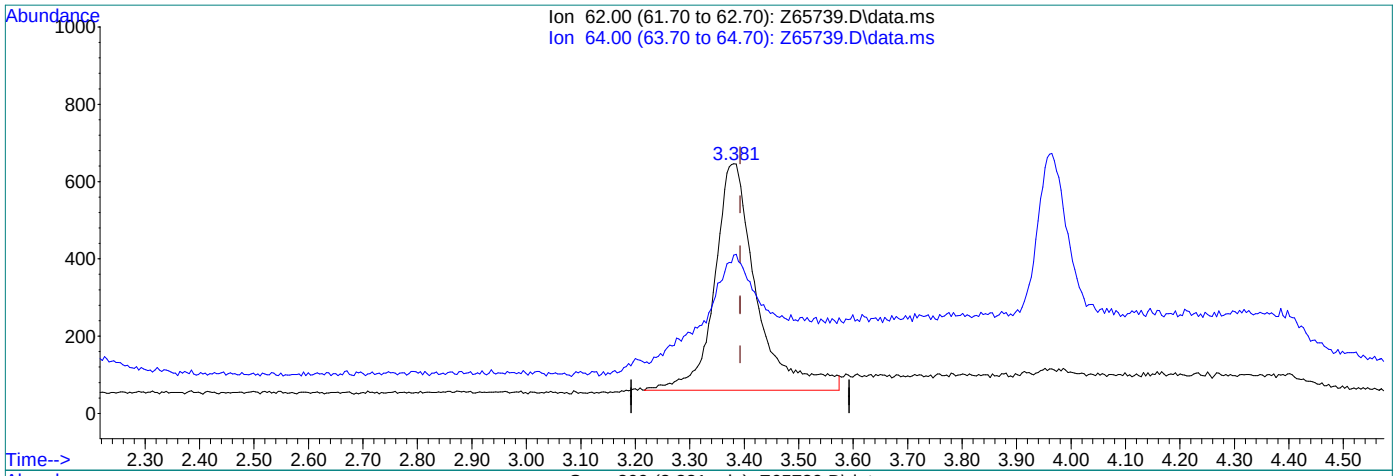
Sample Number: VZ2586-IC2586
Lab FileID: Z65739.D
Injection Time: 09/07/21 10:26
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

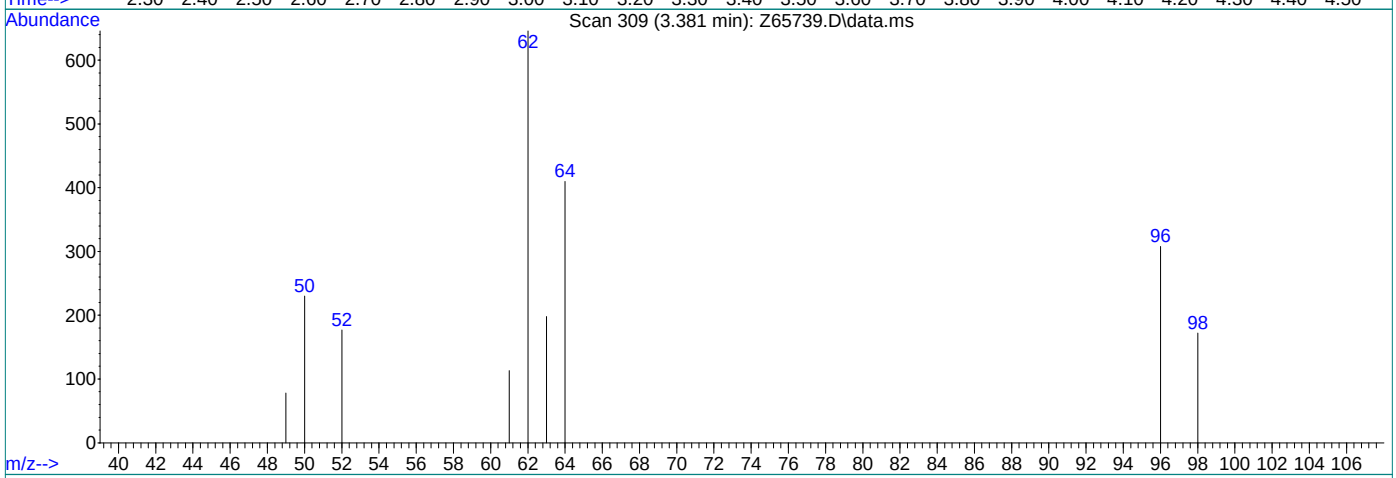
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.25	Overlapping peak
Vinyl Chloride	75-01-4		3.38	Poorly defined baseline
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.33ug/L

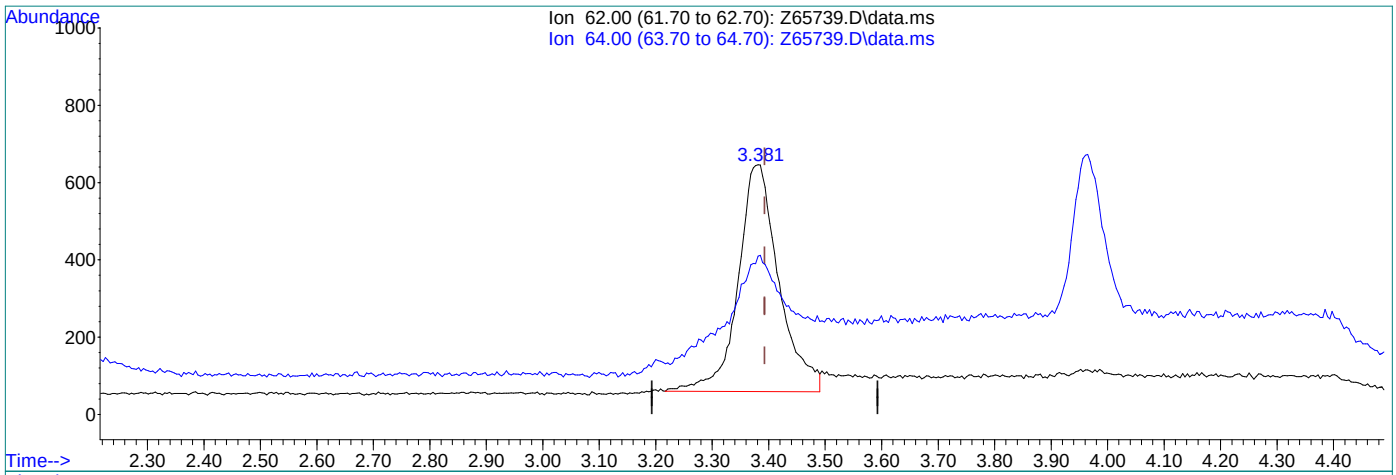
response 3145

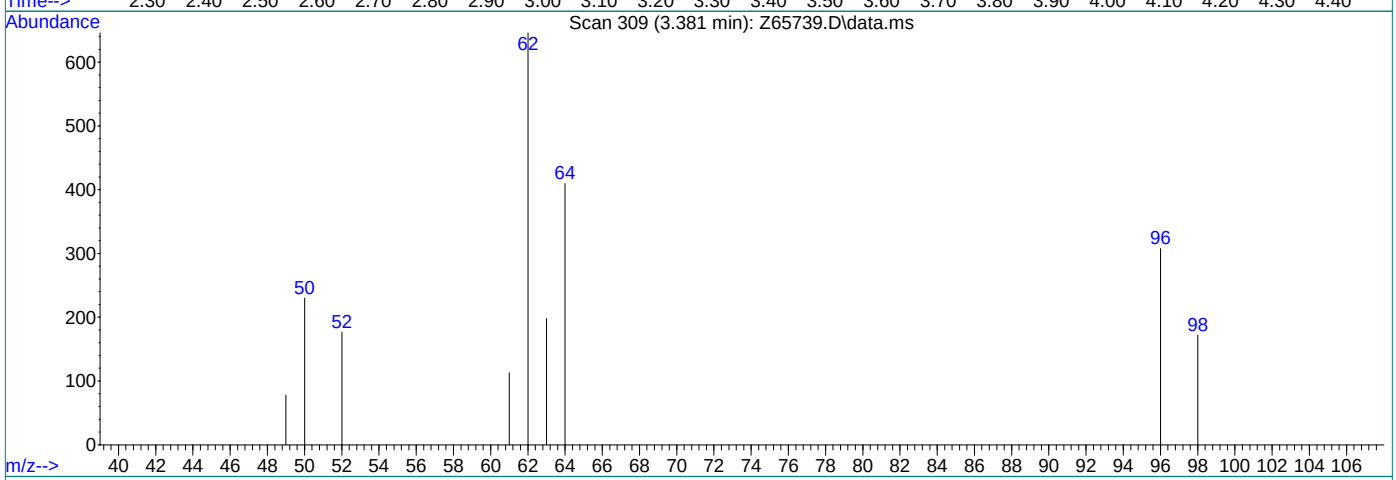
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.31ug/L m

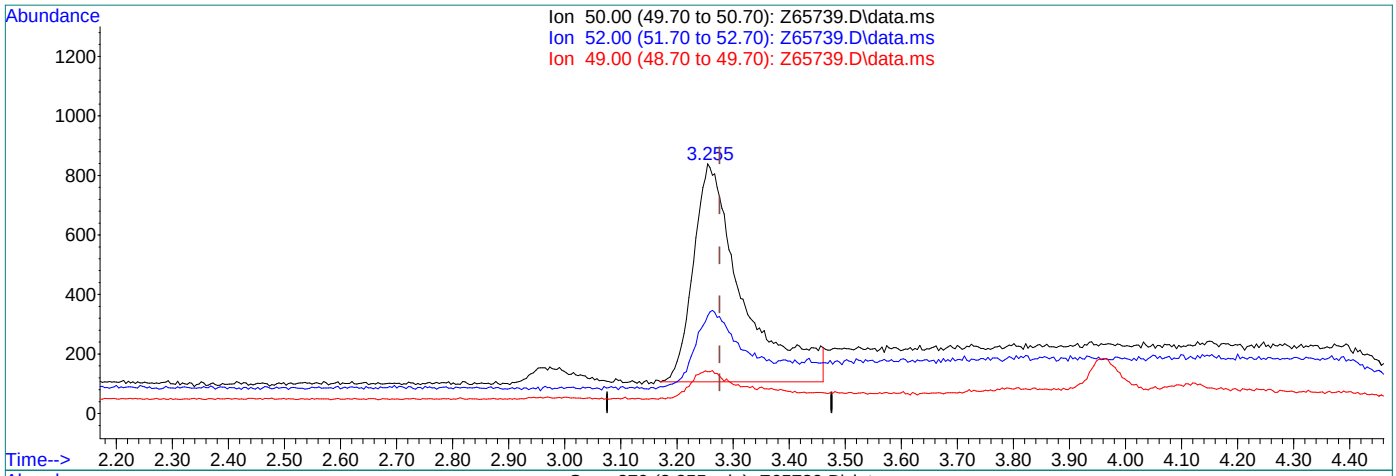
response 2944

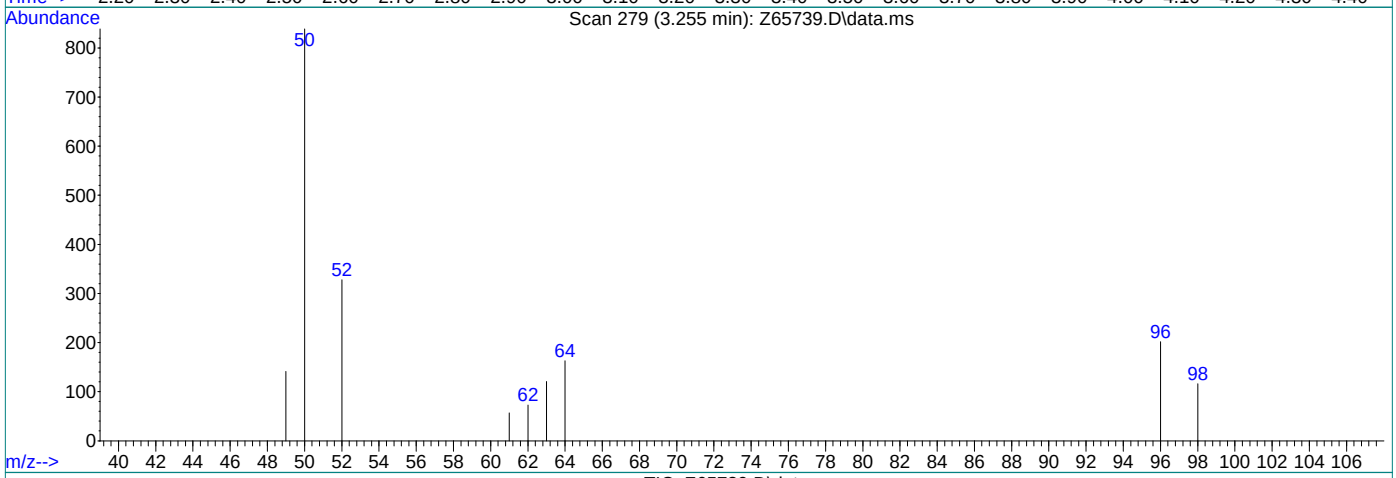
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	63.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.42ug/L

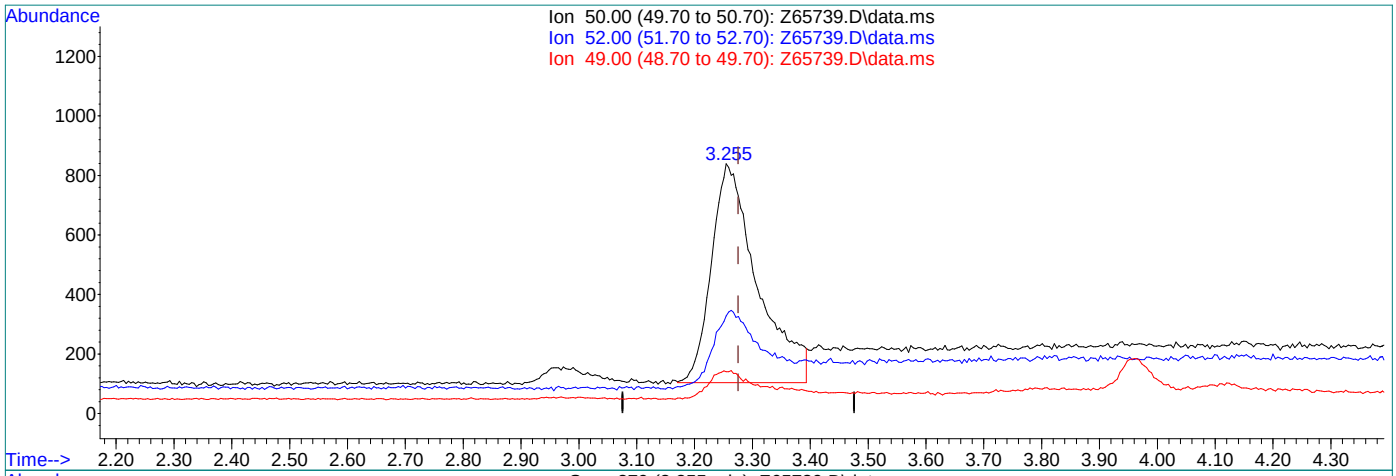
response 4460

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	32.38
49.00	9.90	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.38ug/L m

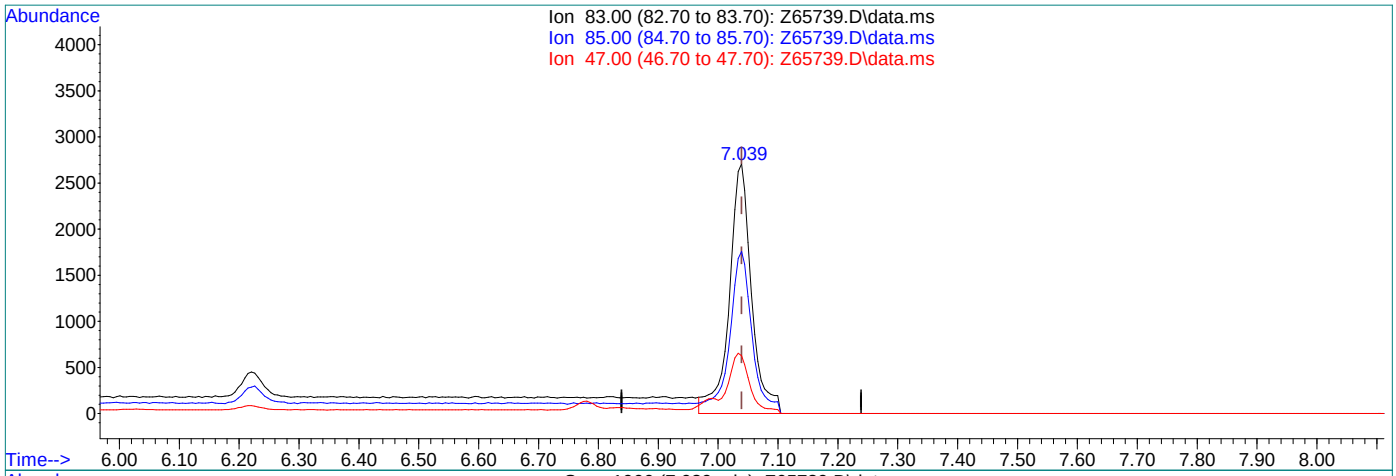
response 4047

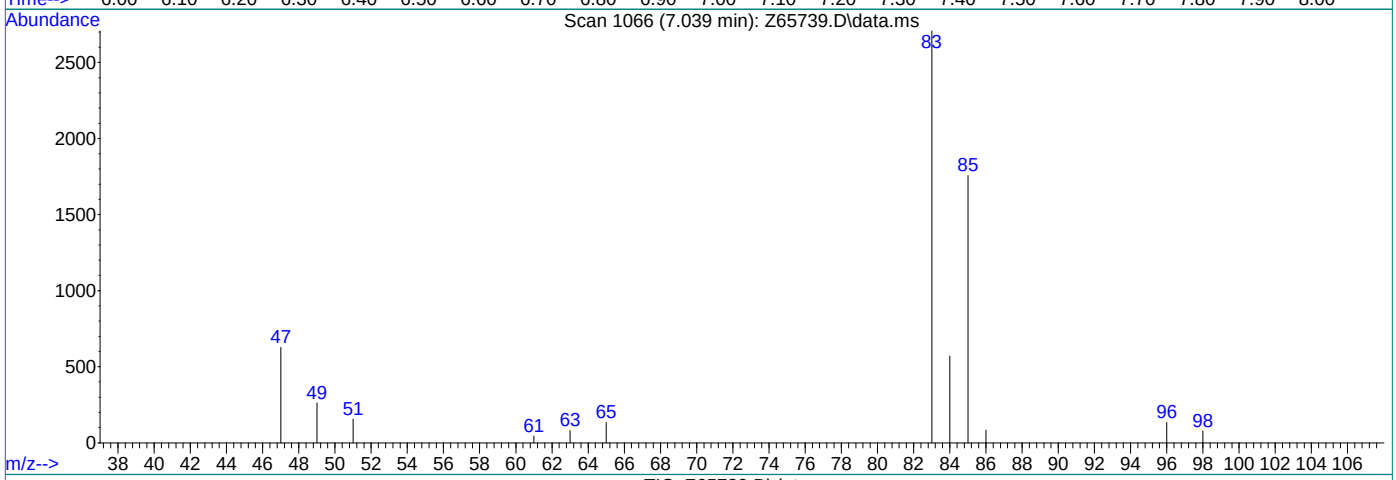
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.09
49.00	9.90	16.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.48ug/L

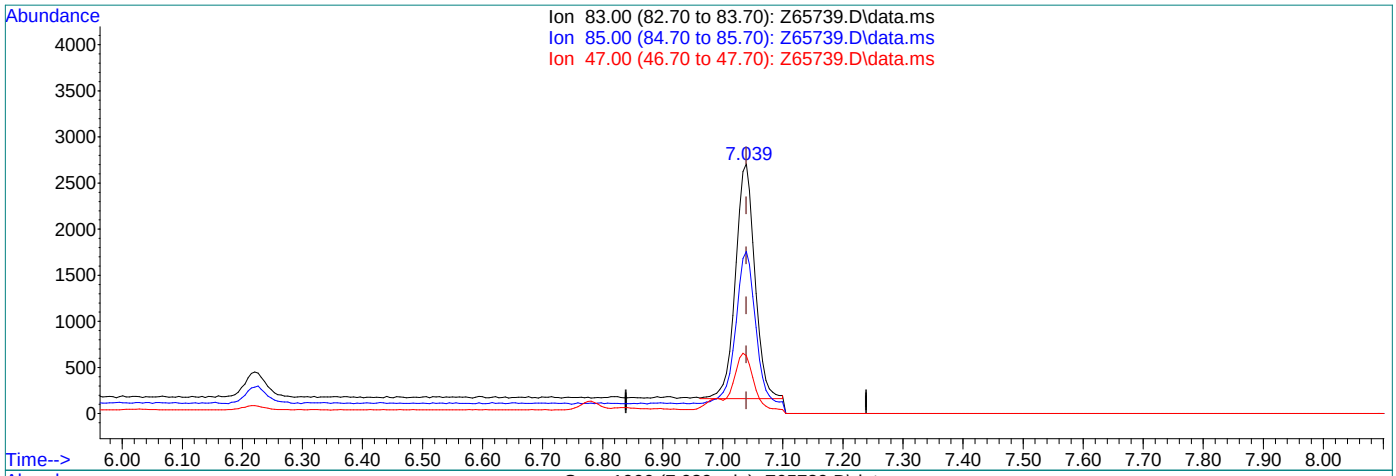
response 7044

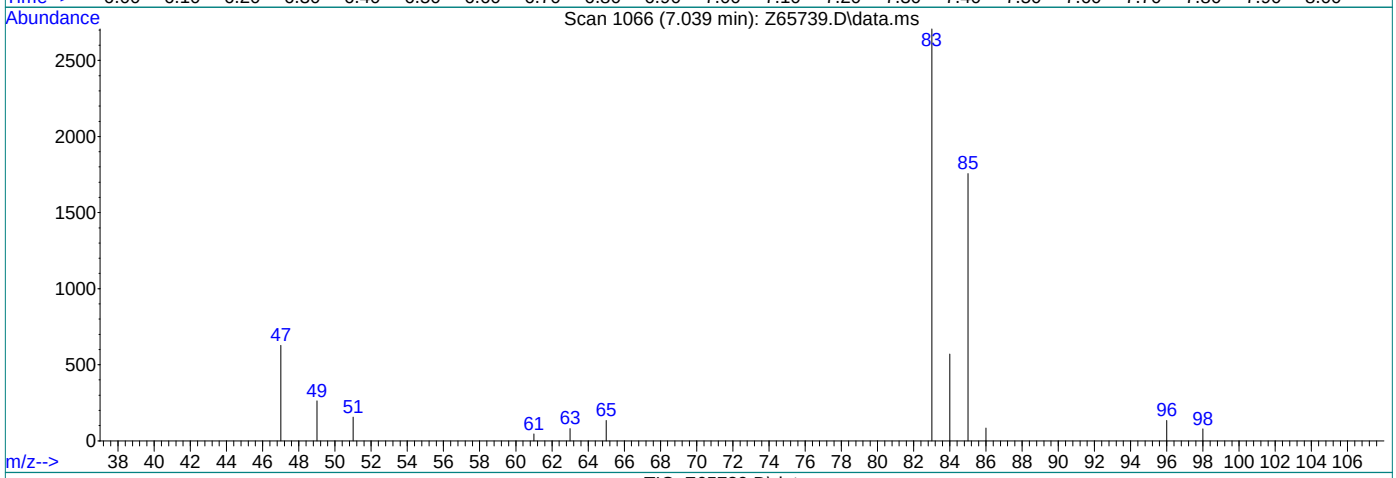
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.39ug/L m

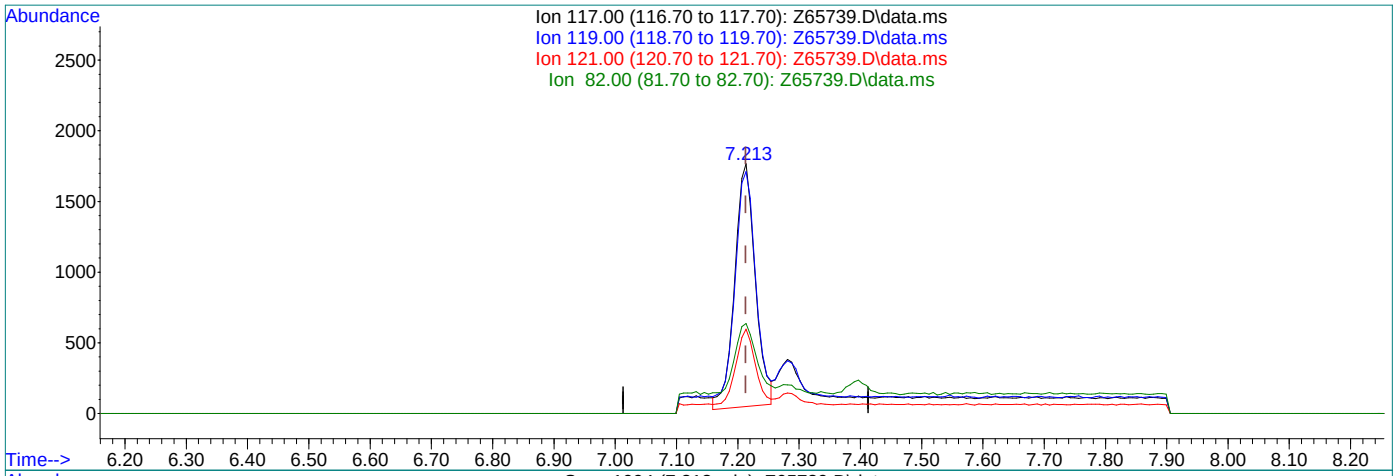
response 5704

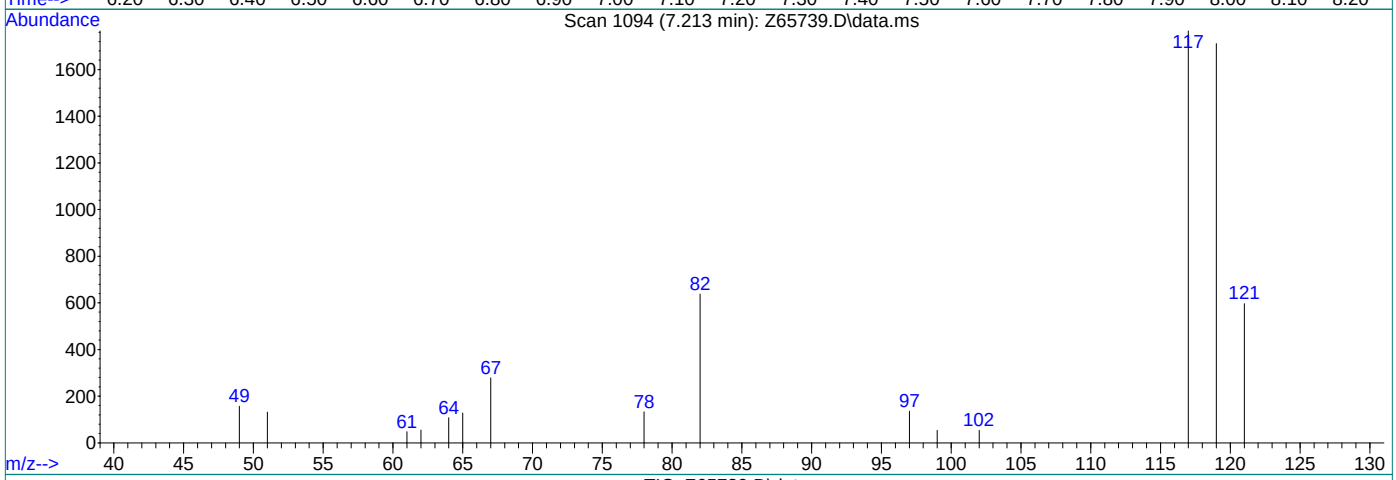
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.45ug/L

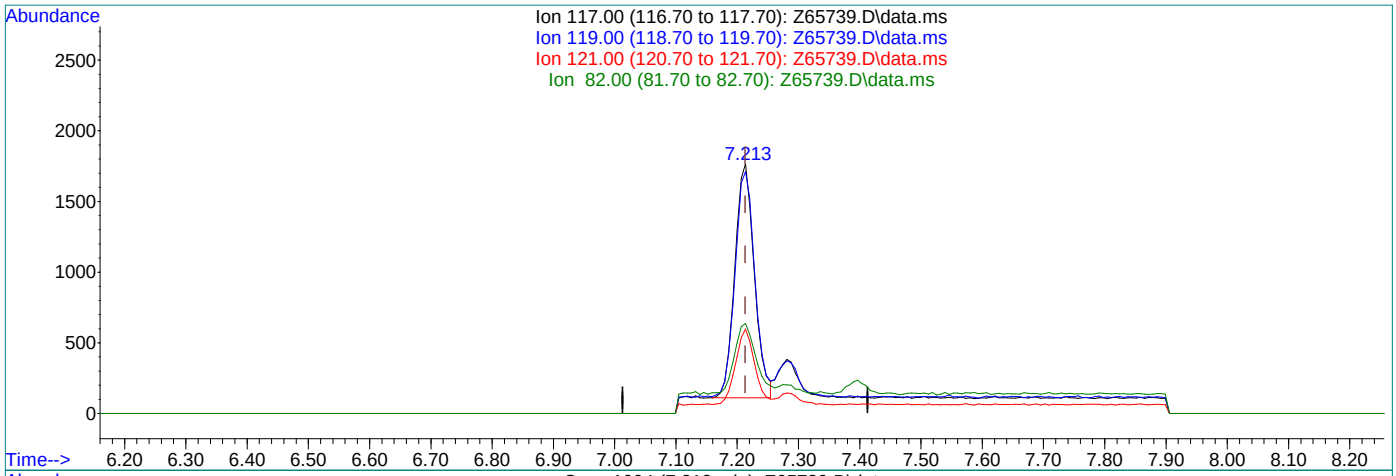
response 4018

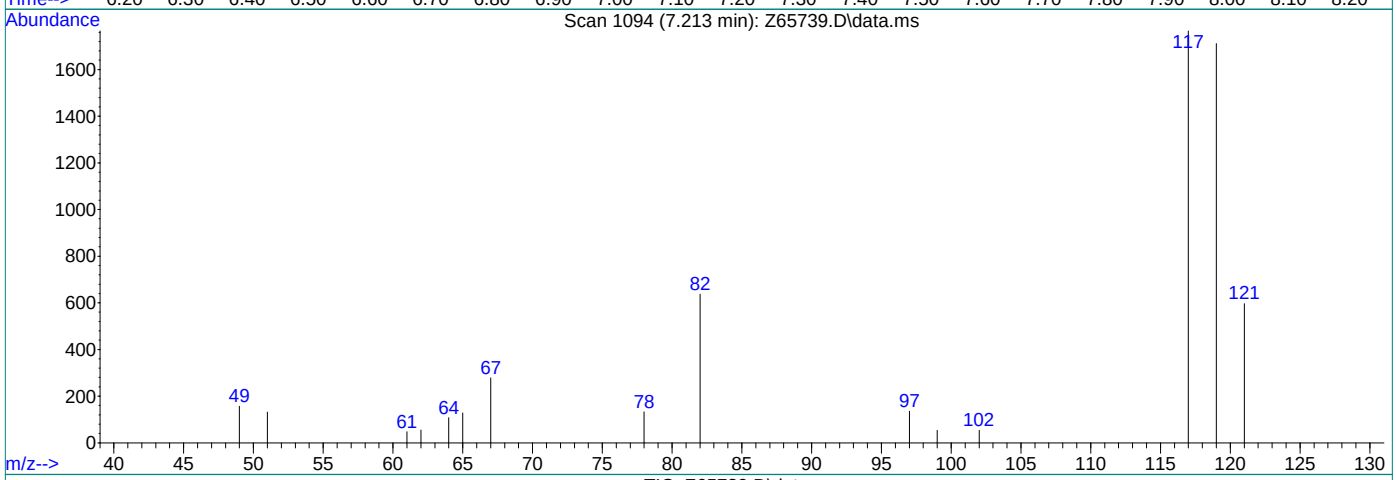
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.13
121.00	31.60	32.21
82.00	24.20	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.41ug/L m

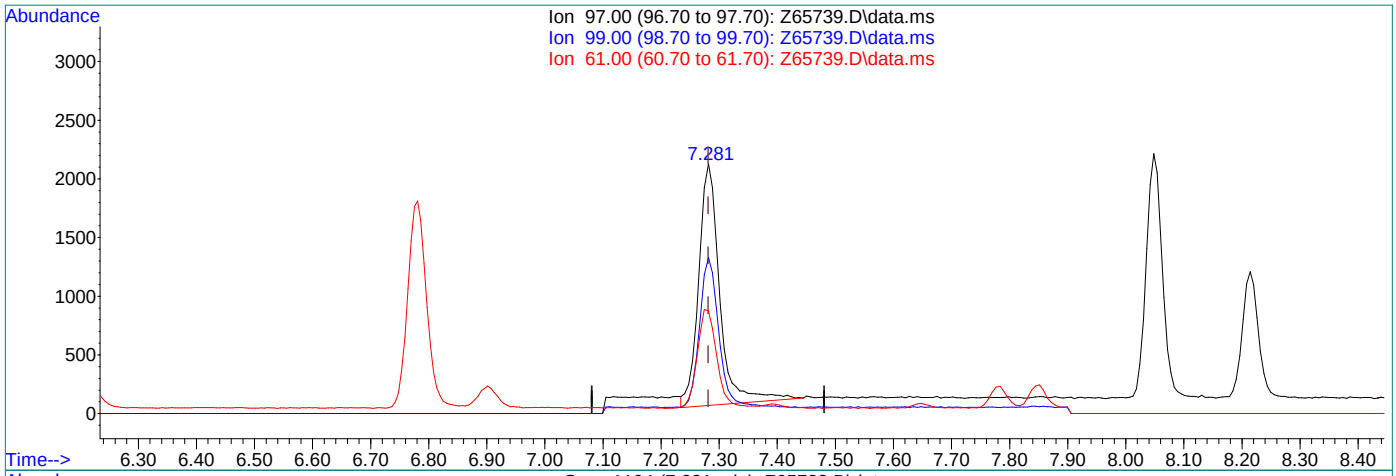
response 3653

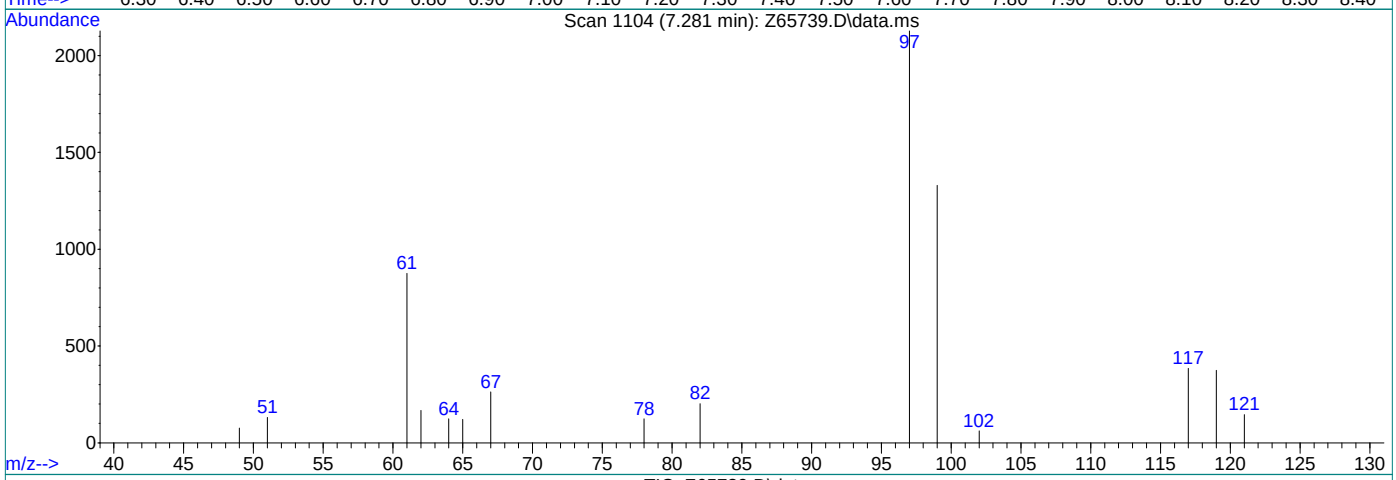
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.89
121.00	31.60	33.81
82.00	24.20	36.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.46ug/L

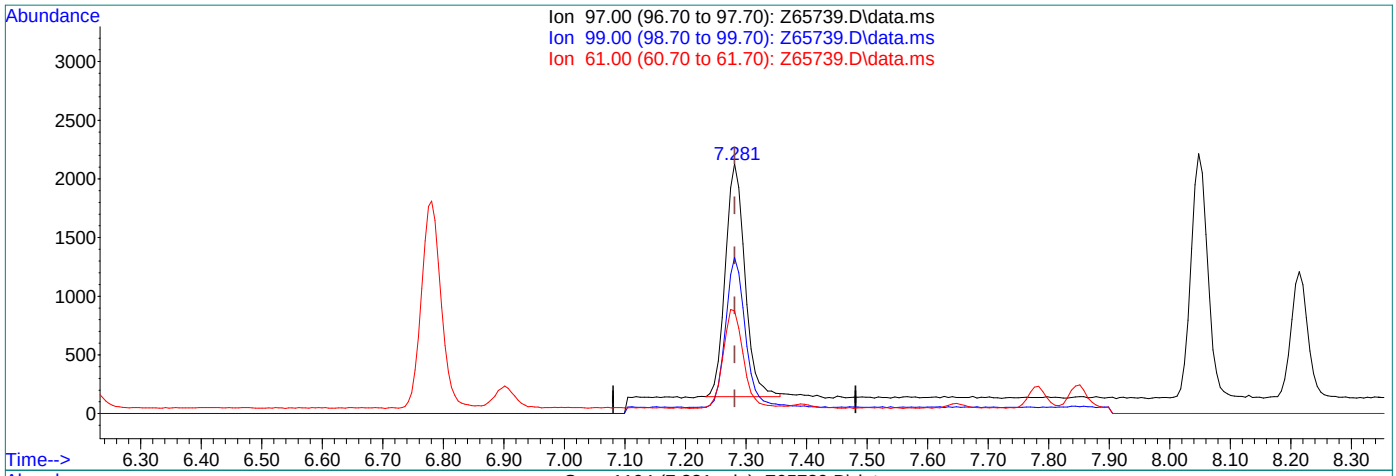
response 5157

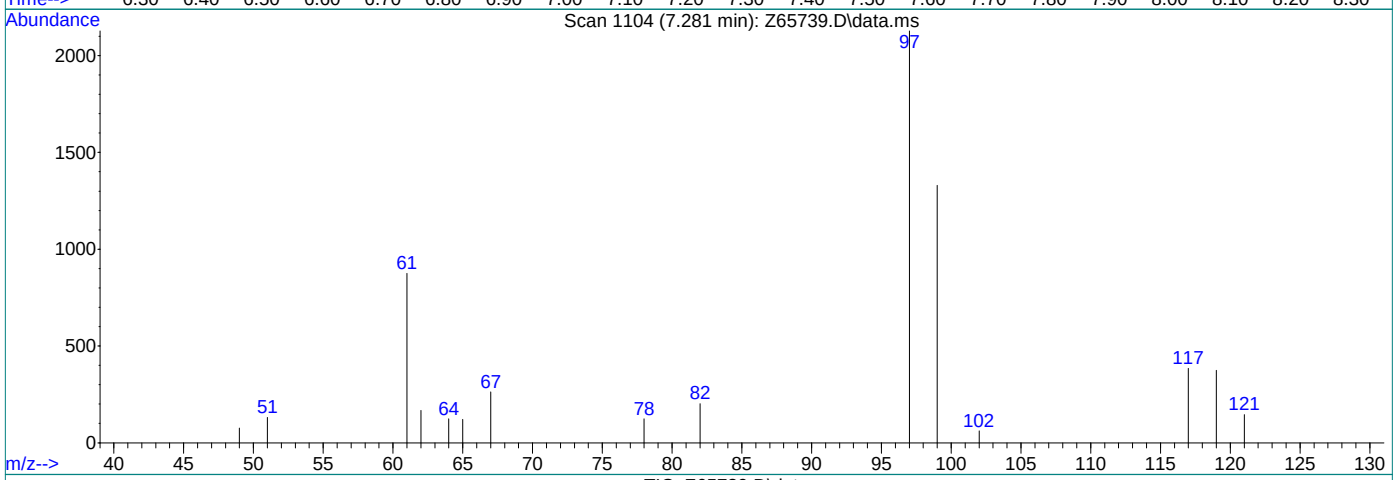
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	63.96
61.00	61.40	41.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.40ug/L m

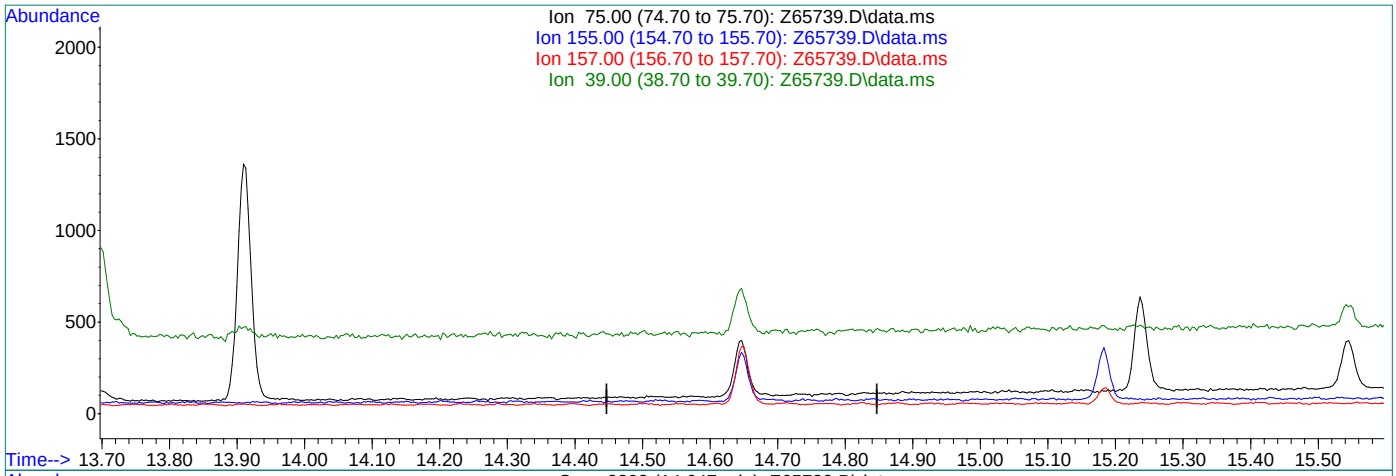
response 4454

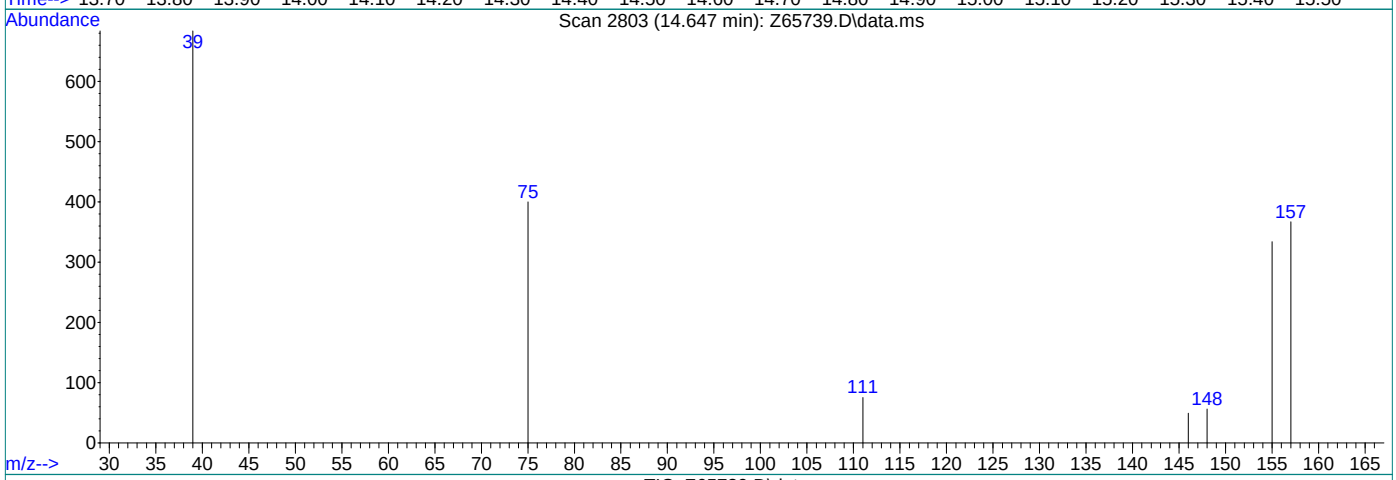
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.45
61.00	61.40	41.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

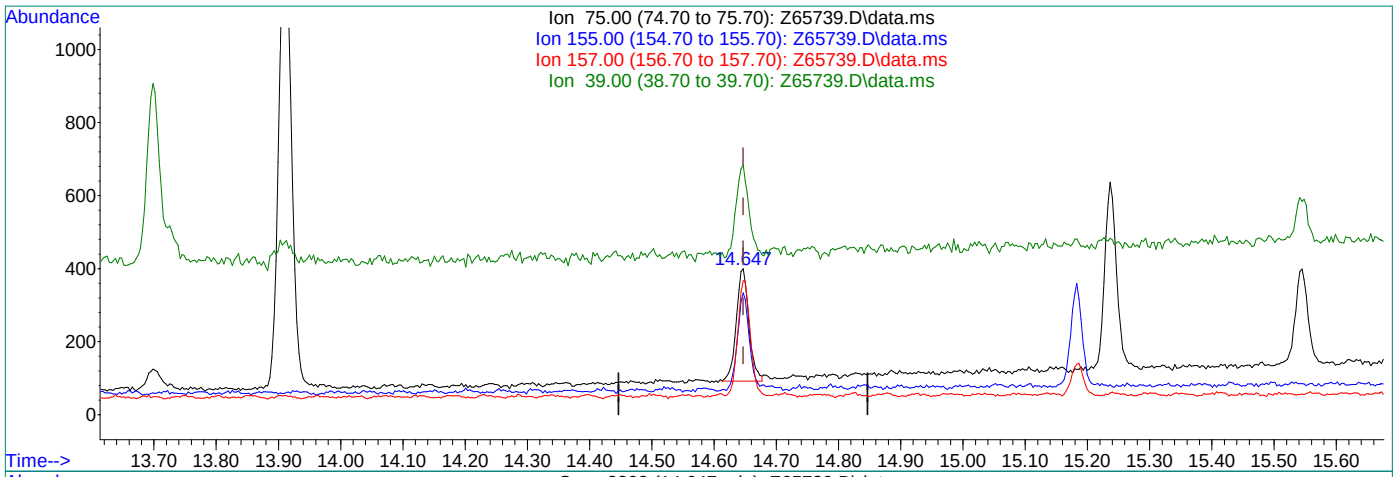
response 0

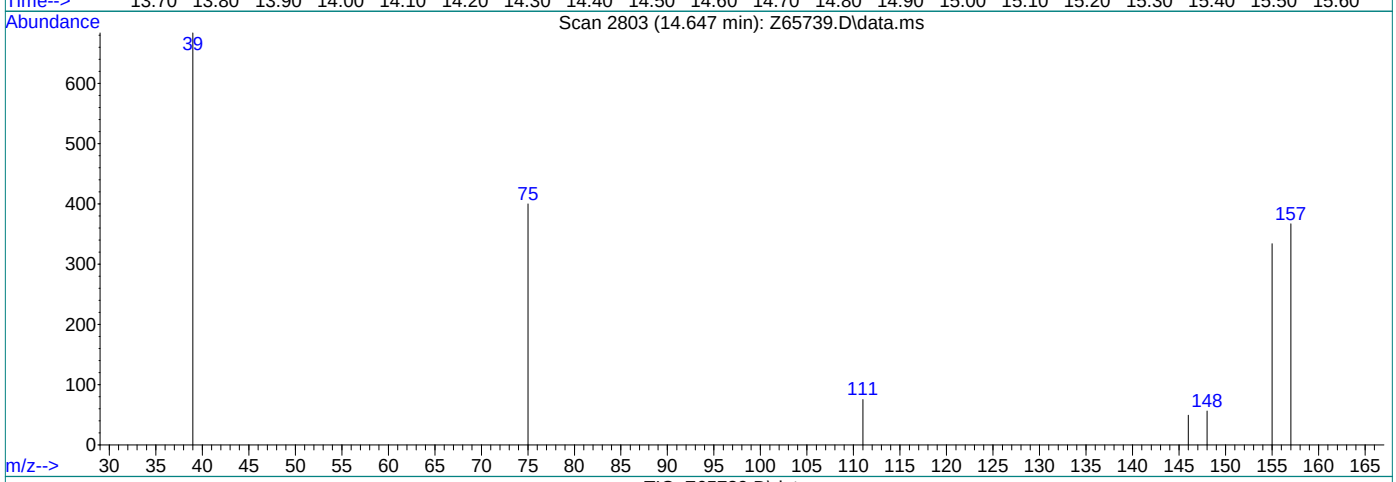
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.49ug/L m

response 436

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	83.50
157.00	81.90	91.75
39.00	23.90	171.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration

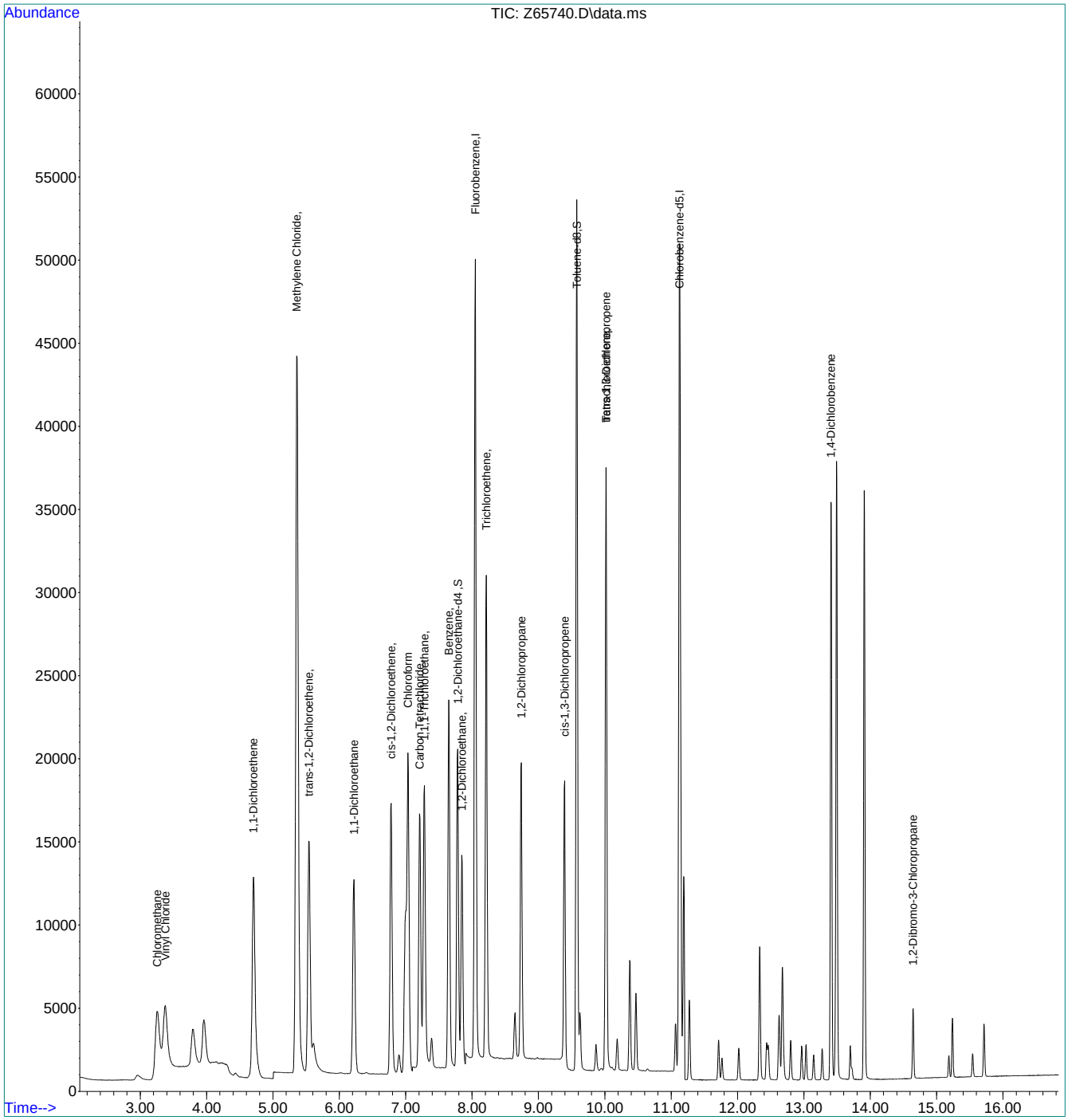
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57686	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42748	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20517	4.54	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.80%			
19) Toluene-d8	9.576	98	51803	5.70	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 114.00%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	11907	1.46	ug/L	94
3) Chloromethane	3.255	50	14040	1.51	ug/L	97
4) 1,1-Dichloroethene	4.704	61	14790	1.65	ug/L	96
5) Methylene Chloride	5.358	49	40899	0.60	ug/L #	64
6) trans-1,2-Dichloroethene	5.540	61	13999	1.68	ug/L	82
7) 1,1-Dichloroethane	6.221	63	16259	1.56	ug/L	93
8) cis-1,2-Dichloroethene	6.781	96	10684	1.75	ug/L #	73
9) Chloroform	7.034	83	20526	1.58	ug/L	88
10) Carbon Tetrachloride	7.207	117	13414	1.62	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	16402	1.62	ug/L	86
12) Benzene	7.648	78	36701	1.66	ug/L	82
14) 1,2-Dichloroethane	7.845	62	13161	1.60	ug/L	85
15) Trichloroethene	8.214	95	10480	1.64	ug/L	93
16) 1,2-Dichloropropane	8.742	63	9350	1.65	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	14475	1.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	11913	2.02	ug/L #	76
21) Tetrachloroethene	10.017	166	10068	1.84	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	21381	1.87	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	1603	1.87	ug/L #	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:31 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration

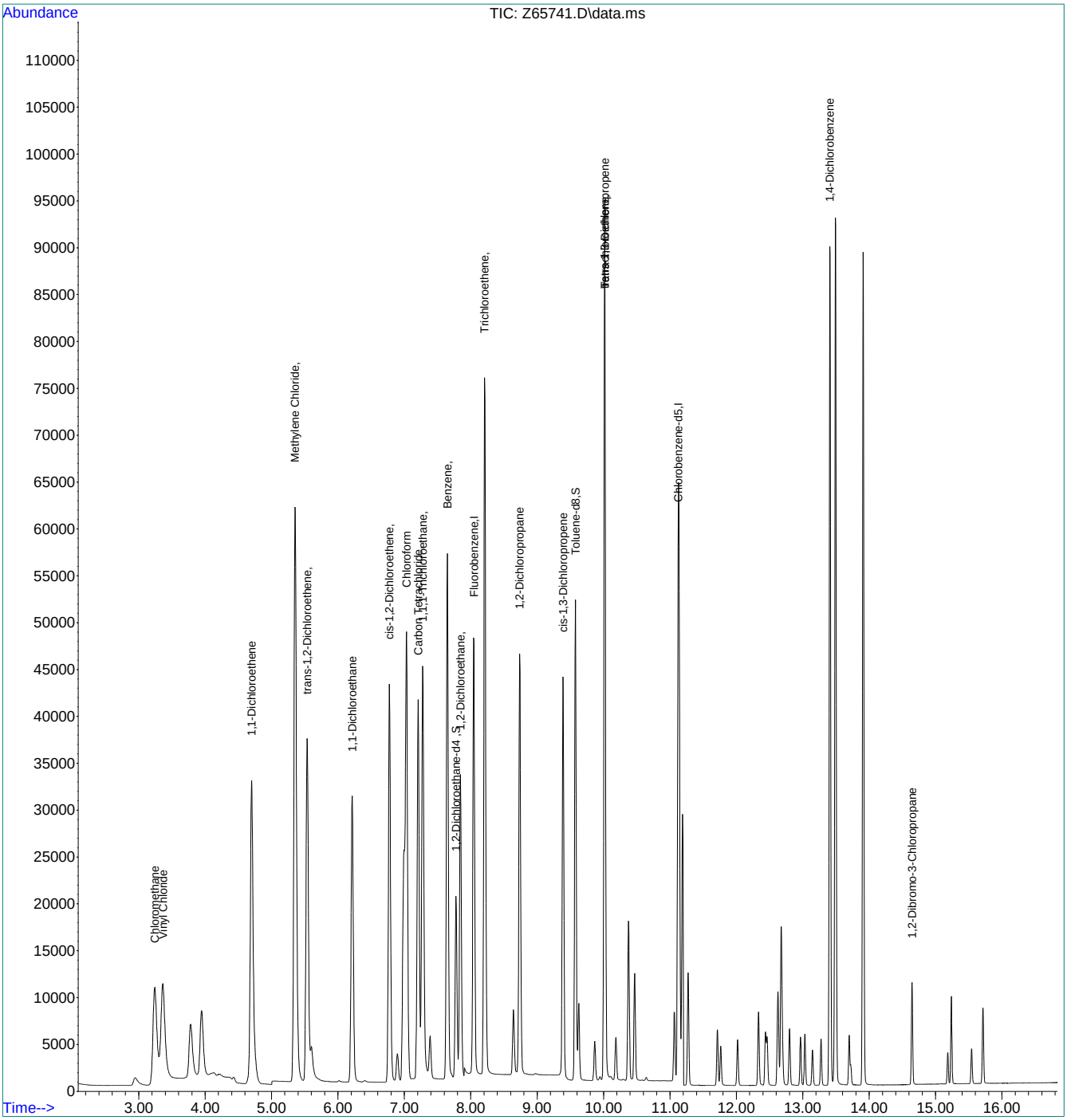
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55914	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41126	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	18510	4.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 87.40%			
19) Toluene-d8	9.577	98	49821	5.56	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.364	62	30259	4.11	ug/L	95
3) Chloromethane	3.242	50	32353	3.74	ug/L	99
4) 1,1-Dichloroethene	4.700	61	37714	4.51	ug/L	97
5) Methylene Chloride	5.353	49	55629	0.82	ug/L #	64
6) trans-1,2-Dichloroethene	5.534	61	35168	4.51	ug/L	82
7) 1,1-Dichloroethane	6.215	63	40749	4.25	ug/L	95
8) cis-1,2-Dichloroethene	6.775	96	26608	4.59	ug/L #	75
9) Chloroform	7.033	83	49094	4.10	ug/L	87
10) Carbon Tetrachloride	7.207	117	33924	4.44	ug/L	99
11) 1,1,1-Trichloroethane	7.274	97	41008	4.37	ug/L	88
12) Benzene	7.648	78	91007	4.36	ug/L	80
14) 1,2-Dichloroethane	7.844	62	32887	4.33	ug/L	85
15) Trichloroethene	8.208	95	26452	4.41	ug/L	97
16) 1,2-Dichloropropane	8.736	63	23022	4.35	ug/L	86
17) cis-1,3-Dichloropropene	9.388	75	36567	5.07	ug/L #	74
20) trans-1,3-Dichloropropene	10.017	75	30470	5.35	ug/L #	76
21) Tetrachloroethene	10.017	166	25440	4.95	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	53698	4.93	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	14.647	75	3995	4.89	ug/L #	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration

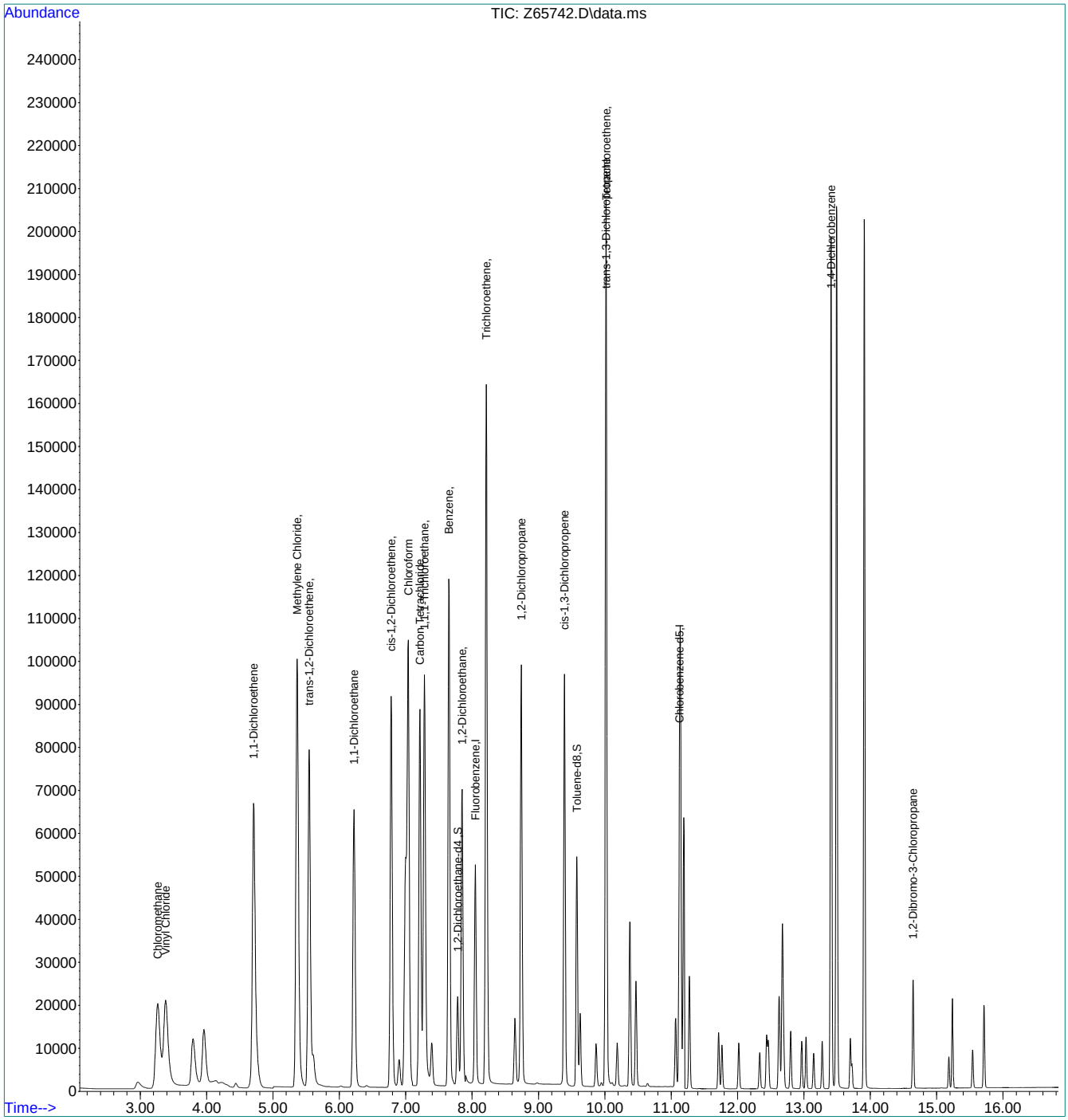
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	60384	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44007	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	19882	4.50	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.00%			
19) Toluene-d8	9.577	98	53430	5.42	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	64332	8.57	ug/L	97
3) Chloromethane	3.263	50	67278	7.47	ug/L	98
4) 1,1-Dichloroethene	4.708	61	82511	9.44	ug/L	97
5) Methylene Chloride	5.364	49	94217	1.28	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	77400	9.48	ug/L	80
7) 1,1-Dichloroethane	6.220	63	89464	9.08	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	58466	9.55	ug/L #	75
9) Chloroform	7.039	83	106015	8.66	ug/L	87
10) Carbon Tetrachloride	7.213	117	73780	9.30	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	89576	9.21	ug/L	87
12) Benzene	7.648	78	198305	9.11	ug/L	82
14) 1,2-Dichloroethane	7.851	62	71810	9.17	ug/L	84
15) Trichloroethene	8.214	95	58012	9.23	ug/L	95
16) 1,2-Dichloropropane	8.742	63	50025	9.09	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	81229	10.39	ug/L #	70
20) trans-1,3-Dichloropropene	10.017	75	68772m	11.24	ug/L	
21) Tetrachloroethene	10.022	166	55288	10.15	ug/L #	95
22) 1,4-Dichlorobenzene	13.411	146	119673	10.35	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	9342	10.74	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:35 2021 Page: 2

Manual Integration Approval Summary

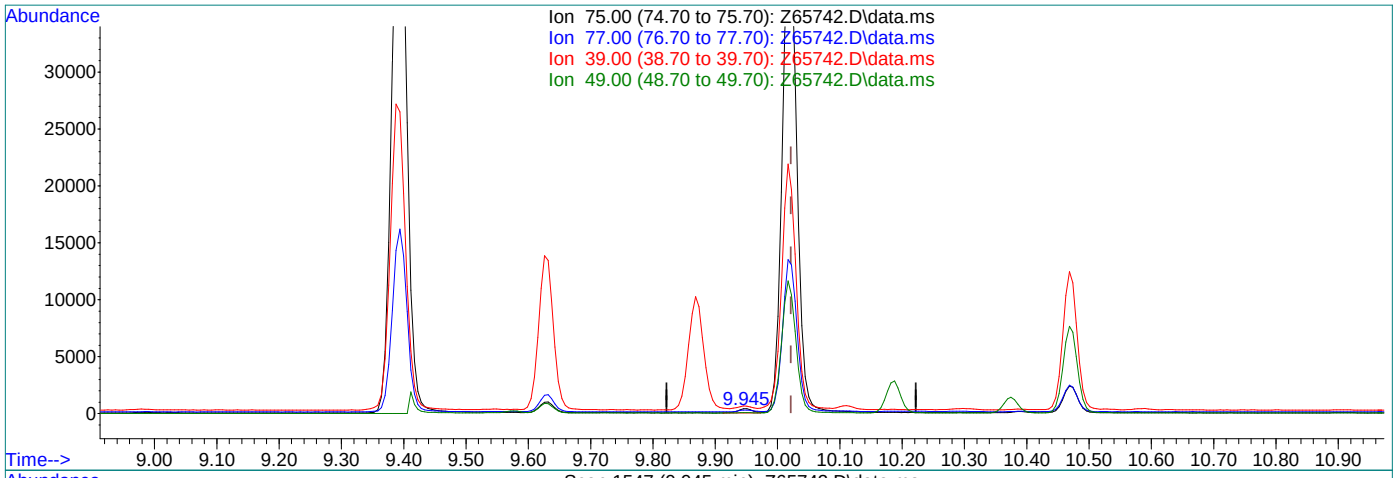
Sample Number:	VZ2586-ICC2586	**Method:**	SW846 8260B BY SIM
Lab FileID:	Z65742.D	**Analyst approved:**	09/08/21 08:29 Charlene Gonzalez
Injection Time:	09/07/21 11:27	**Supervisor approved:**	09/08/21 10:05 Sean Pioro

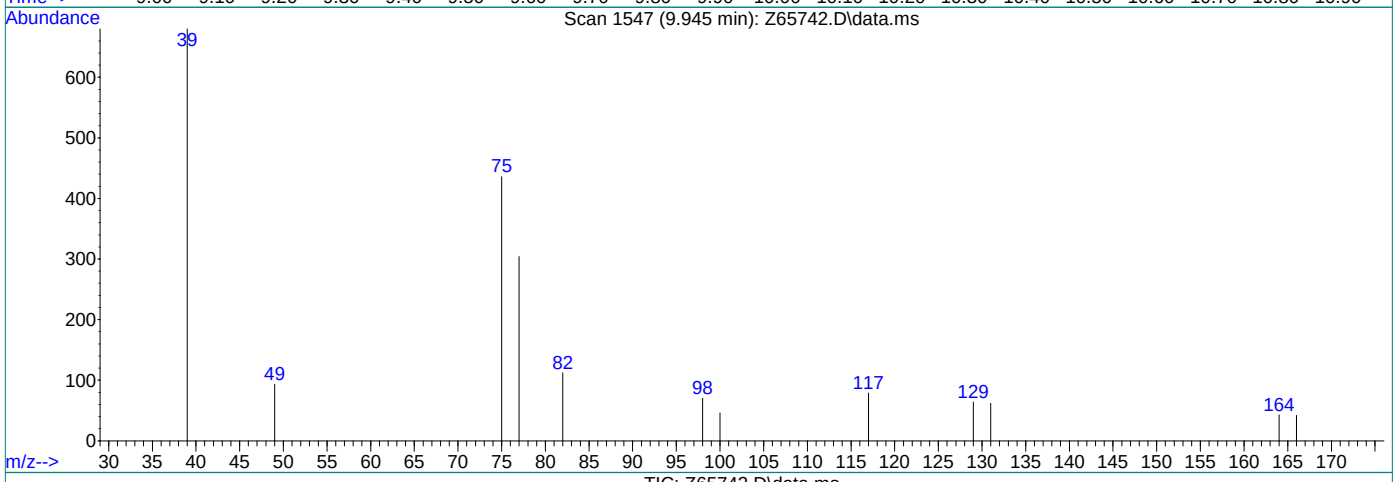
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.09ug/L

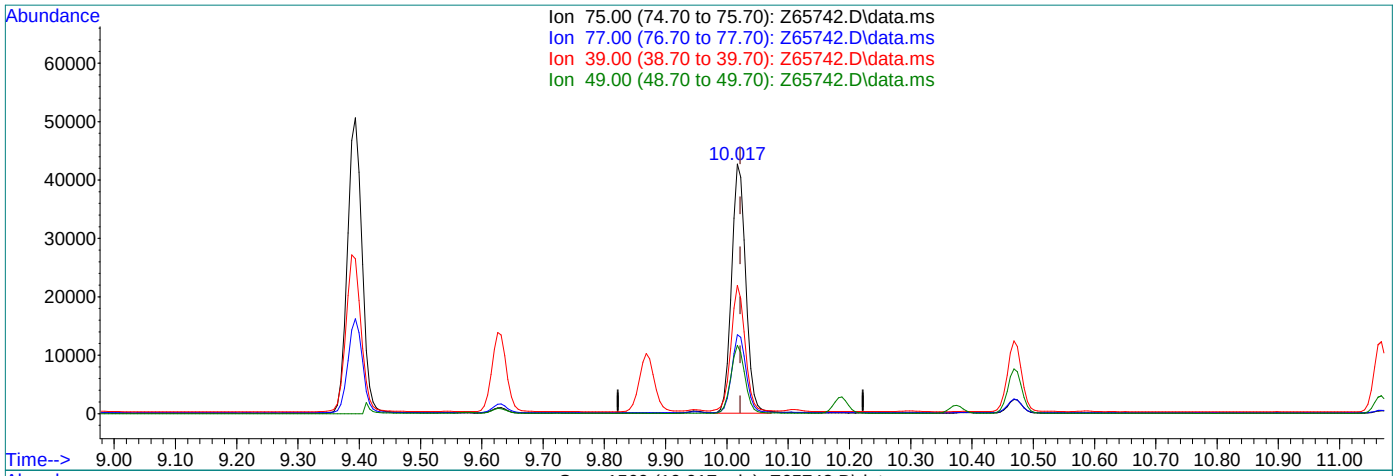
response 572

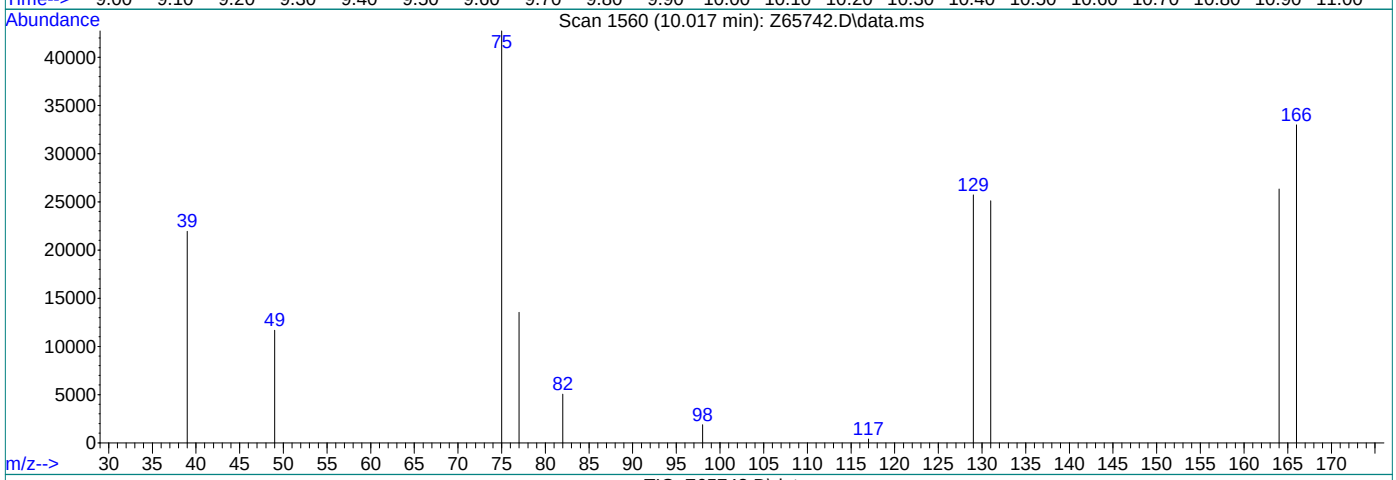
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	37.16
39.00	84.50	57.10
49.00	23.10	12.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 11.24ug/L m

response 68772

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.65
39.00	84.50	51.31#
49.00	23.10	27.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

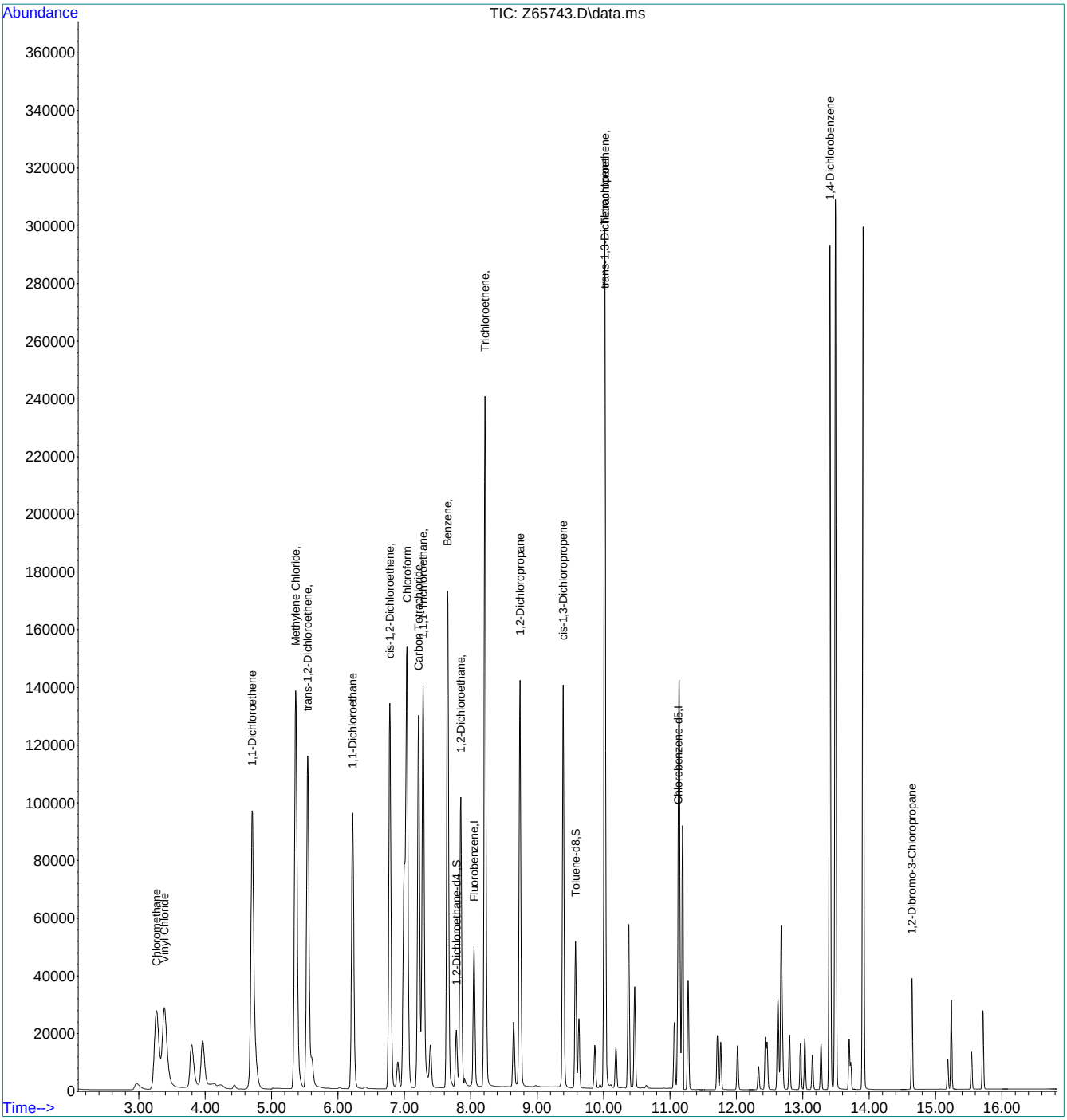
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57991	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	41634	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19125	4.65	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%				
19) Toluene-d8	9.577	98	50016	5.21	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	92413	13.63	ug/L		97
3) Chloromethane	3.267	50	96110	11.53	ug/L		99
4) 1,1-Dichloroethene	4.708	61	121472	14.94	ug/L		97
5) Methylene Chloride	5.364	49	130688	1.85	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	114352	15.01	ug/L		80
7) 1,1-Dichloroethane	6.220	63	132244	14.58	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	86668	15.00	ug/L	#	76
9) Chloroform	7.039	83	156492	13.93	ug/L		87
10) Carbon Tetrachloride	7.213	117	109314	14.89	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	131563	14.60	ug/L		88
12) Benzene	7.648	78	290426	14.33	ug/L		82
14) 1,2-Dichloroethane	7.851	62	104911	14.47	ug/L		85
15) Trichloroethene	8.214	95	85114	14.53	ug/L		94
16) 1,2-Dichloropropane	8.742	63	72640	14.21	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	118708	15.94	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	101613	17.51	ug/L	#	75
21) Tetrachloroethene	10.022	166	79427	15.48	ug/L	#	95
22) 1,4-Dichlorobenzene	13.411	146	176907	16.16	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	14159	16.98	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

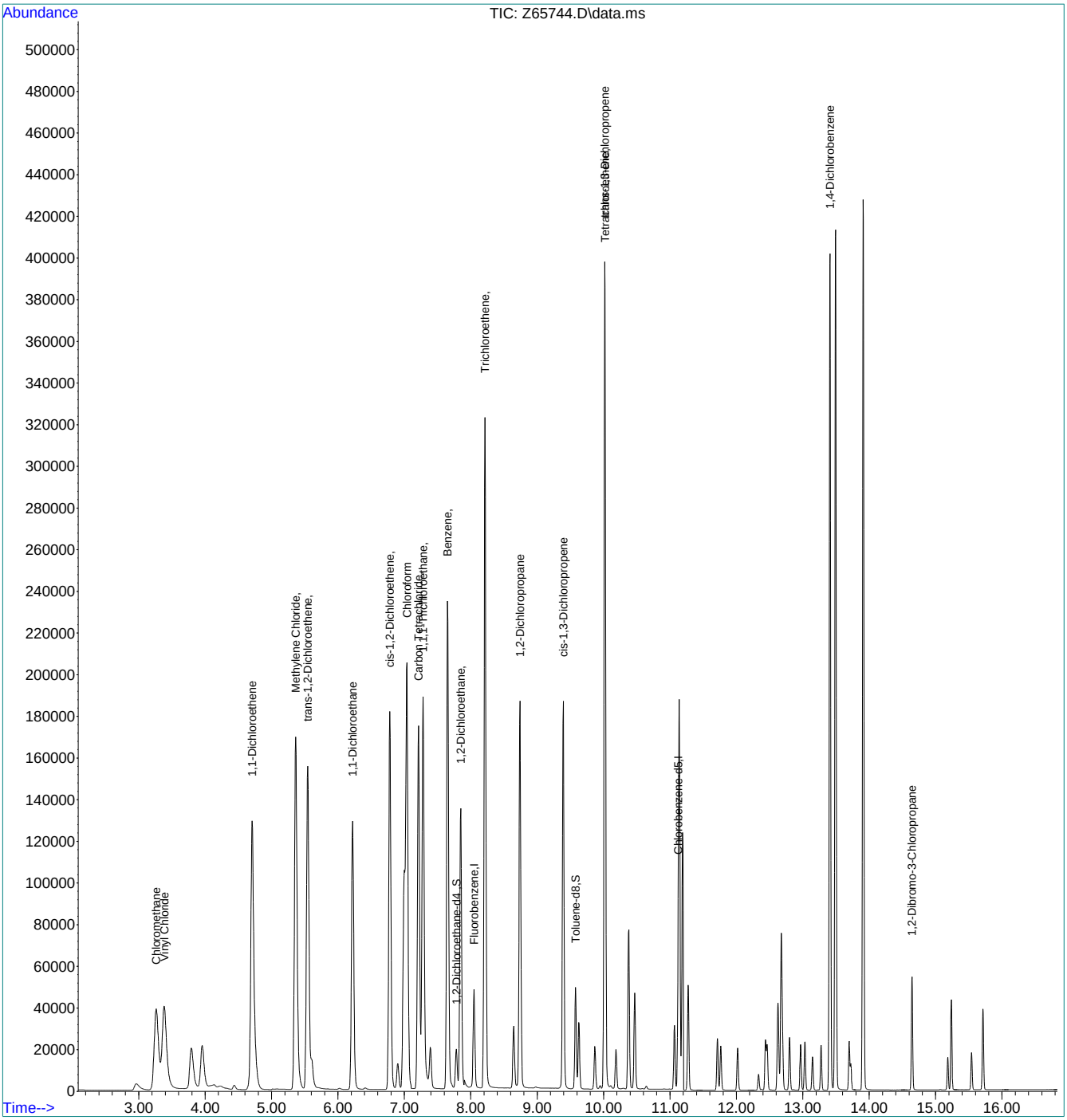
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55484	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39994	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18318	4.65	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%			
19) Toluene-d8	9.576	98	48062	5.21	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	126859	19.55	ug/L	97
3) Chloromethane	3.263	50	131510	16.49	ug/L	99
4) 1,1-Dichloroethene	4.708	61	163703	21.04	ug/L	97
5) Methylene Chloride	5.364	49	160840	2.38	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	153204	21.03	ug/L	79
7) 1,1-Dichloroethane	6.221	63	176994	20.39	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	116069	21.00	ug/L #	75
9) Chloroform	7.039	83	208704	19.41	ug/L	87
10) Carbon Tetrachloride	7.213	117	147350	20.98	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	176520	20.47	ug/L	87
12) Benzene	7.648	78	389166	20.08	ug/L	82
14) 1,2-Dichloroethane	7.851	62	139247	20.08	ug/L	85
15) Trichloroethene	8.214	95	114255	20.38	ug/L	93
16) 1,2-Dichloropropane	8.742	63	96568	19.75	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	156449	21.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	135177	24.24	ug/L #	76
21) Tetrachloroethene	10.022	166	106721	21.65	ug/L #	95
22) 1,4-Dichlorobenzene	13.410	146	238267	22.66	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.643	75	19856	24.79	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

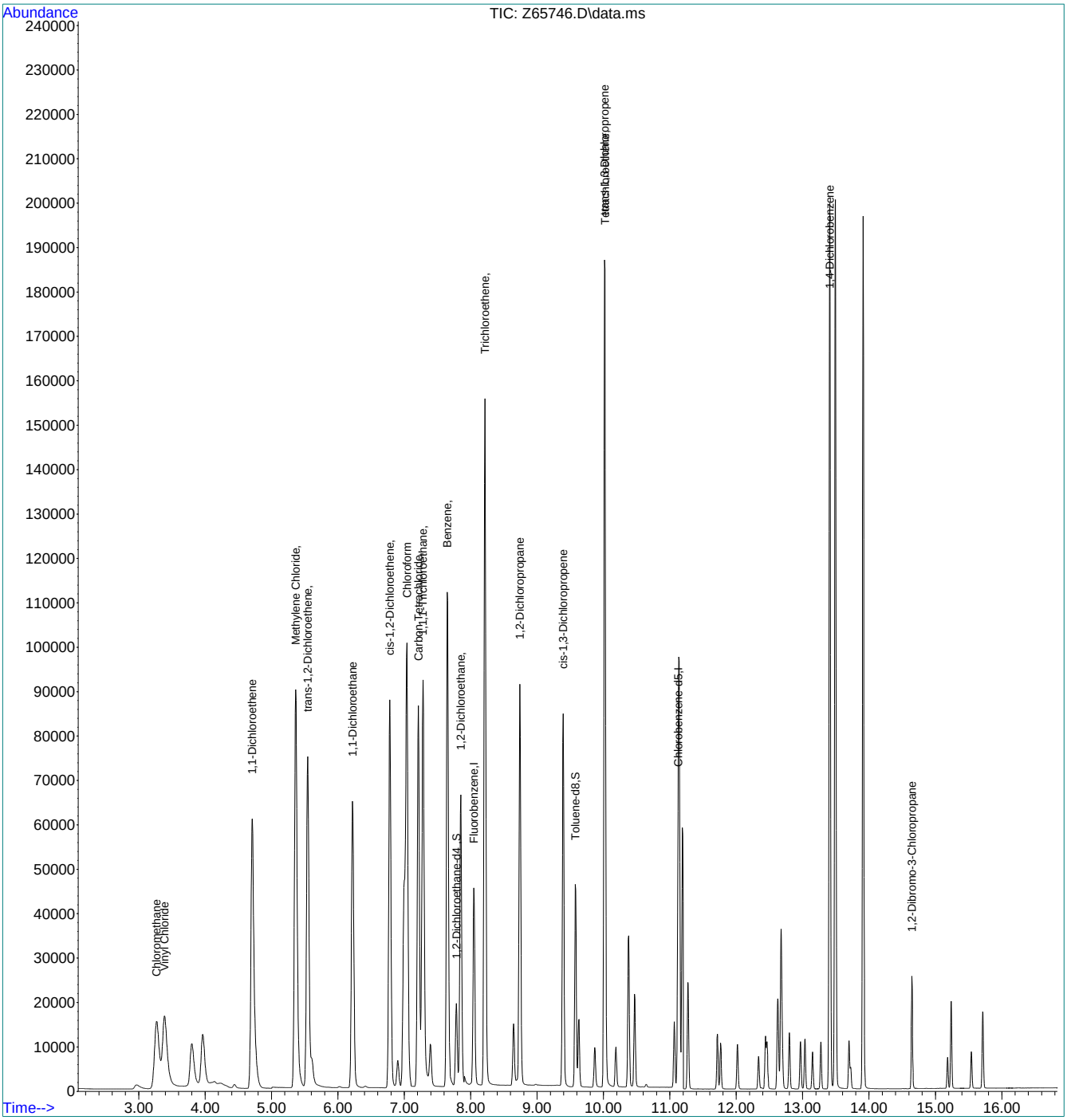
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	53311	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38388	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17883	4.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%				
19) Toluene-d8	9.576	98	45701	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	53617	9.59	ug/L		97
3) Chloromethane	3.267	50	54345	9.20	ug/L		98
4) 1,1-Dichloroethene	4.708	61	79180	11.27	ug/L		96
5) Methylene Chloride	5.364	49	86592	10.76	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	73952	11.25	ug/L		80
7) 1,1-Dichloroethane	6.221	63	89958	11.79	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	57328	11.40	ug/L	#	75
9) Chloroform	7.039	83	102375	10.96	ug/L		87
10) Carbon Tetrachloride	7.213	117	72294	11.57	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	86591	11.38	ug/L		88
12) Benzene	7.648	78	188159	10.96	ug/L		82
14) 1,2-Dichloroethane	7.851	62	68162	11.07	ug/L		84
15) Trichloroethene	8.214	95	56039	11.27	ug/L		94
16) 1,2-Dichloropropane	8.742	63	46487	10.79	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	69966	9.83	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	63449	10.56	ug/L	#	76
21) Tetrachloroethene	10.022	166	51685	11.19	ug/L	#	95
22) 1,4-Dichlorobenzene	13.410	146	119017	11.96	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9177	11.43	ug/L	#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Wed Sep 08 08:34:45 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65865.D
Acq On : 11 Sep 2021 12:19 am
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2591,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 11 08:58:49 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

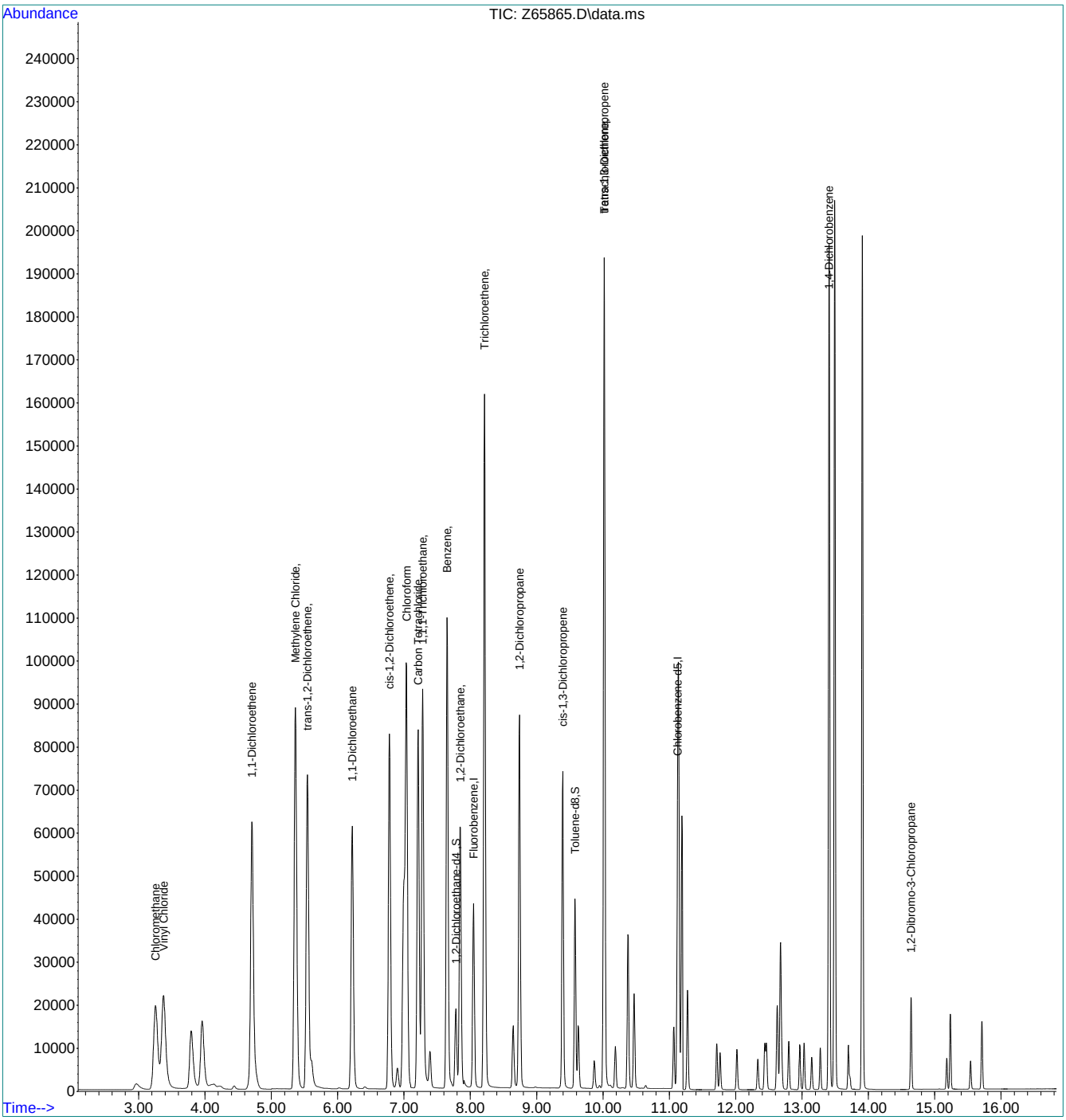
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	52326	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	41830	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17450	4.94	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%				
19) Toluene-d8	9.576	98	44016	4.35	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 87.00%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	63709	11.61	ug/L		97
3) Chloromethane	3.255	50	63615	10.88	ug/L		99
4) 1,1-Dichloroethene	4.708	61	71924	10.43	ug/L		99
5) Methylene Chloride	5.364	49	81552	10.33	ug/L	#	58
6) trans-1,2-Dichloroethene	5.545	61	70605	10.94	ug/L		74
7) 1,1-Dichloroethane	6.221	63	84045	11.23	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	55533	11.25	ug/L	#	72
9) Chloroform	7.039	83	103283	11.26	ug/L		86
10) Carbon Tetrachloride	7.213	117	71457	11.65	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	85968	11.51	ug/L		86
12) Benzene	7.648	78	181977	10.80	ug/L		81
14) 1,2-Dichloroethane	7.851	62	64006	10.60	ug/L		85
15) Trichloroethene	8.214	95	58412	11.97	ug/L		90
16) 1,2-Dichloropropane	8.742	63	45406	10.74	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	63449	9.11	ug/L	#	66
20) trans-1,3-Dichloropropene	10.017	75	55646	8.64	ug/L	#	73
21) Tetrachloroethene	10.017	166	59418	11.80	ug/L	#	95
22) 1,4-Dichlorobenzene	13.407	146	121749	11.23	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	7205	8.24	ug/L	#	54

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65865.D
Acq On : 11 Sep 2021 12:19 am
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2591,,,,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 11 08:58:49 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65885.D
Acq On : 11 Sep 2021 7:03 am
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49710,VZ2591,,,,,
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 11 08:59:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

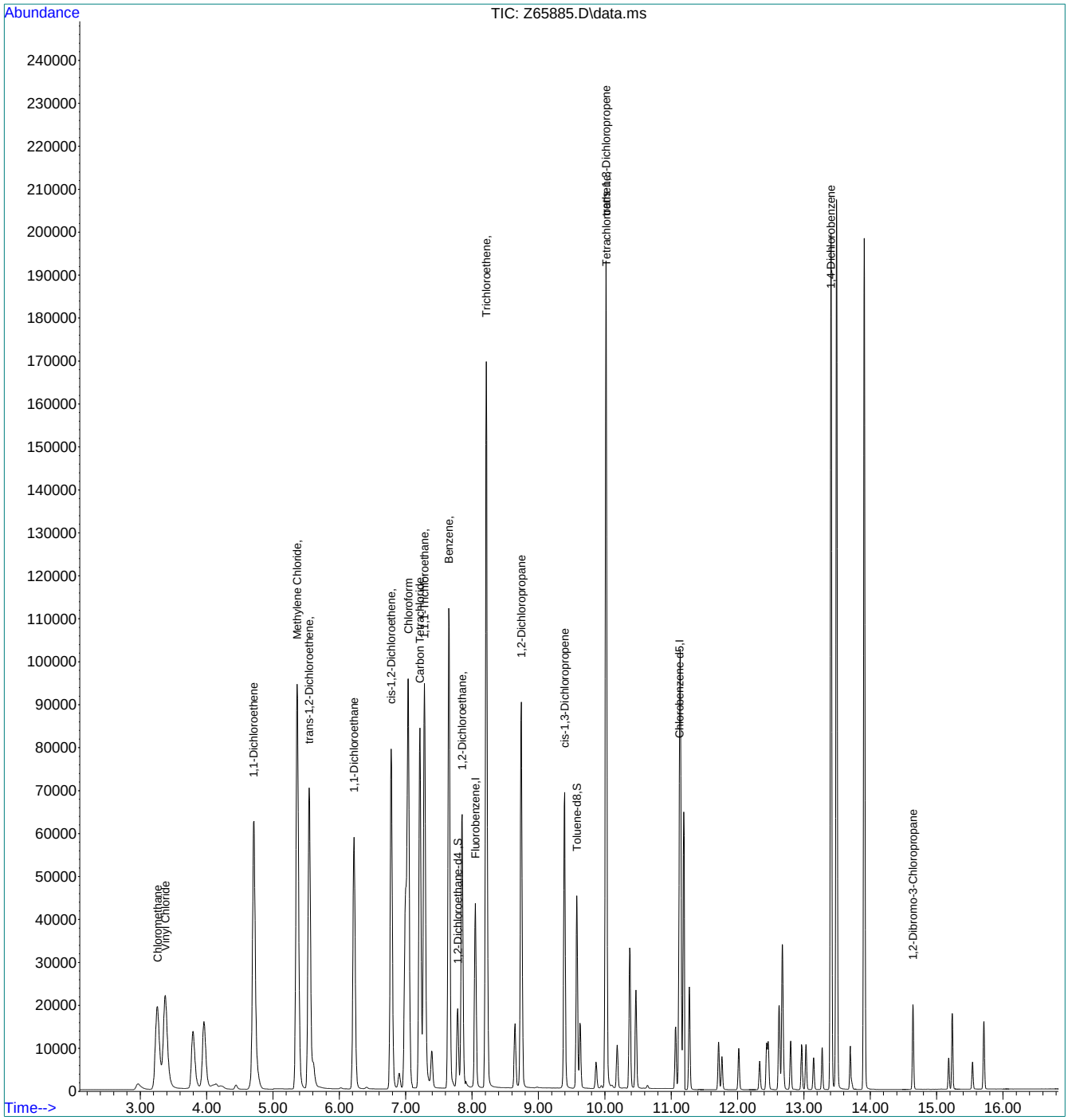
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	52072	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	42958	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17342	4.93	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%				
19) Toluene-d8	9.576	98	44441	4.28	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 85.60%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	62157	11.38	ug/L		98
3) Chloromethane	3.259	50	63831	10.96	ug/L		98
4) 1,1-Dichloroethene	4.708	61	72193	10.52	ug/L		98
5) Methylene Chloride	5.364	49	87206	11.10	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	67641	10.53	ug/L		76
7) 1,1-Dichloroethane	6.221	63	80906	10.86	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	52348	10.66	ug/L	#	73
9) Chloroform	7.039	83	98703	10.82	ug/L		87
10) Carbon Tetrachloride	7.213	117	71179	11.66	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	87068	11.71	ug/L		87
12) Benzene	7.648	78	187046	11.16	ug/L		81
14) 1,2-Dichloroethane	7.851	62	65693	10.93	ug/L		85
15) Trichloroethene	8.214	95	61394	12.64	ug/L		89
16) 1,2-Dichloropropane	8.742	63	47113	11.20	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	59676	8.64	ug/L	#	66
20) trans-1,3-Dichloropropene	10.017	75	50712	7.73	ug/L	#	72
21) Tetrachloroethene	10.022	166	61957	11.98	ug/L	#	99
22) 1,4-Dichlorobenzene	13.407	146	124330	11.16	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	6608	7.36	ug/L	#	51

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65885.D
Acq On : 11 Sep 2021 7:03 am
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49710,VZ2591,,,,,
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 11 08:59:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/13/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2701360
AFA:	N/A
RUN ID:	**VO2556**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/13/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65162	BFB	-	-	W	1	BFB_SIM		-	-	-	
O65163	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65164	CC2552-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL ↑
O65165	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL ↑
O65166	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65167	IC2556-1	-	-	W	6	ACQ_SIMCLb	#9, 10 PDB	-	-	-	1uL→ 100mL
O65168	IC2556-2	-	-	W	7	ACQ_SIMCLb	#9, 10 PDB	-	-	-	5uL→ 100mL
O65169	IC2556-3	-	-	W	8	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65170	IC2556-4	-	-	W	9	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65171	ICC2556-5	-	-	W	10	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65172	IC2556-6	-	-	W	11	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65173	IC2556-7	-	-	W	12	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65174	MB	-	-	W	13	ACQ_SIMCLb		-	-	-	
O65175	ICV2556-5	-	-	W	14	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/14/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-13-2021.M
CALIB. DATE:	9/13/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2002445
AFA:	N/A
RUN ID:	**VO2559**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/15/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65227	MB	-	-	W	1	BFB_SIM		-	-	-	
O65228	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65229	CC2556-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65230	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL (not used)
O65231	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65232	MB	-	-	W	6	ACQ_SIMCLb		-	-	-	
O65233	FA88735-1	1x	2	W	7	ACQ_SIMCLb		1	N	-	
O65234	FA88735-22	1x	2	W	8	ACQ_SIMCLb		1	N	-	
O65235	FA88735-38	1x	2	W	9	ACQ_SIMCLb		1	N	-	
O65236	FA88736-33	1x	1	W	10	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65237	FA88736-34	1x	1	W	11	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65238	FA88736-35	1x	1	W	12	ACQ_SIMCLb	#9 PDB	1	N	-	
O65239	FA88736-36	1x	1	W	13	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65240	FA88736-37	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O65241	FA88736-38	1x	1	W	15	ACQ_SIMCLb	#9 PDB	1	N	-	
O65242	FA88736-39	1x	1	W	16	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65243	FA88736-40	1x	1	W	17	ACQ_SIMCLb	#9 PDB	1	N	-	
O65244	FA88753-1	1x	2	W	18	ACQ_SIMCLb		1	N	-	
O65245	FA88753-2	1x	2	W	19	ACQ_SIMCLb	#9 PDB	1	N	-	
O65246	FA88753-3	1x	2	W	20	ACQ_SIMCLb	#9 PDB	1	N	-	
O65247	FA88753-4	1x	2	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O65248	FA88753-5	1x	3	W	22	ACQ_SIMCLb		1	N	-	
O65249	FA88753-6	1x	2	W	23	ACQ_SIMCLb		1	N	-	
O65250	FA88753-7	1x	2	W	24	ACQ_SIMCLb		1	N	-	
O65251	BS	-	-	W	25	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65252	FA88736-33MS	5x	1	W	26	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65253	FA88736-33MSD	5x	1	W	27	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65254	ECC2556-5	-	-	W	28	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene Gonzalez

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/07/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1894893	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2586		DATE VERIFIED: 09/08/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65736	BFB	-	-	w	1	BFB_SIM		-	-	-	Passed Autofind
Z65737	MB	-	-	w	2	BFB_SIM		-	-	-	
Z65738	IC2586-1	-	-	w	3	ACQ_SIMCLB	#3 OP ; 9-11 PDB ; 22, 23 MP	-	-	-	1µL → 100mL ✓
Z65739	IC2586-2	-	-	w	4	ACQ_SIMCLB	#2, 3 OP ; 9-11 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65740	IC2586-3	-	-	w	5	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65741	IC2586-4	-	-	w	6	ACQ_SIMCLB		-	-	-	25µL → 50mL ✓
Z65742	ICC2586-5	-	-	w	7	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65743	IC2586-6	-	-	w	8	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65744	IC2586-7	-	-	w	9	ACQ_SIMCLB		-	-	-	100µL → 50mL ✓
Z65745	MB	-	-	w	10	ACQ_SIMCLB		-	-	-	
Z65746	ICV2586-5	-	-	w	11	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65747	BS	-	-	w	12	ACQ_SIMCLB		-	-	-	20µL → 40mL (not used, VC↓)
Z65748	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65749	BS	-	-	w	14	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65750	MB	-	-	w	15	ACQ_SIMCLB		-	-	-	MeC hit
Z65751	FA88617-2	1x	1	w	16	ACQ_SIMCLB		1	N	-	
Z65752	FA88617-3	1x	1	w	17	ACQ_SIMCLB		1	N	-	
Z65753	FA88617-11	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65754	FA88619-1	1x	1	w	19	ACQ_SIMCLB		1	N	-	
Z65755	FA88619-2	1x	1	w	20	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65756	FA88617-1	1x	1	w	21	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65757	FA88617-4	1x	1	w	22	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65758	FA88617-5	1x	1	w	23	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65759	FA88617-6	1x	1	w	24	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65760	FA88617-7	1x	1	w	25	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65761	FA88617-8	1x	1	w	26	ACQ_SIMCLB	#11 PDB	1	N	-	
Z65762	FA88617-9	1x	1	w	27	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65763	FA88617-10	1x	1	w	28	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65764	FA88617-12	1x	1	w	29	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65765	FA88619-2MS	5x	1	w	30	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65766	FA88619-2MSD	5x	1	w	31	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65767	ECC2586-5	-	-	w	32	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029. **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: CharleneG.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/10/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response:1232096	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2591		DATE VERIFIED: 09/11/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65863	MB	-	-	w	29	BFB_SIM		-	-	-	
Z65864	BFB	-	-	w	30	BFB_SIM		-	-	-	Passed Autofind
Z65865	CC2586-5	-	-	w	31	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65866	BS	-	-	w	32	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓ SS2↓
Z65867	MB	-	-	w	33	ACQ_SIMCLB		-	-	-	
Z65868	FA88753-1	1x	1	w	34	ACQ_SIMCLB	#9 PDB	1	N	1x	BS SS2↓
Z65869	FA88753-2	1x	1	w	35	ACQ_SIMCLB	#9 PDB	1	N	1x	BS SS2↓
Z65870	FA88753-3	1x	1	w	36	ACQ_SIMCLB	#9, 10 PDB	1	N	1x	BS SS2↓
Z65871	FA88753-4	1x	1	w	37	ACQ_SIMCLB	#9, 10 PDB	1	N	1x	BS SS2↓
Z65872	FA88753-5	1x	2	w	38	ACQ_SIMCLB		1	N	1x	BS SS2↓
Z65873	FA88753-6	1x	1	w	39	ACQ_SIMCLB		1	N	1x	BS SS2↓
Z65874	FA88753-7	1x	1	w	40	ACQ_SIMCLB		1	N	1x	BS SS2↓
Z65875	FA88617-18	1x	2	w	41	ACQ_SIMCLB		1	N	-	
Z65876	FA88617-19	1x	2	w	42	ACQ_SIMCLB		1	N	-	
Z65877	FA88617-20	1x	2	w	43	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65878	FA88617-21	1x	2	w	44	ACQ_SIMCLB		1	N	-	
Z65879	FA88617-22	1x	2	w	45	ACQ_SIMCLB		1	N	-	
Z65880	FA88617-23	1x	2	w	46	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65881	FA88617-24	1x	2	w	47	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65882	FA88617-25	1x	2	w	48	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65883	FA88753-5MS	5x	1	w	49	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65884	FA88753-5MSD	5x	1	w	50	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65885	ECC2586-5	-	-	w	51	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature Charlene G.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Lower

SGS Job Number: FA88755

Sampling Dates: 09/01/21 - 09/02/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **216**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88755

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Lower

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88755-1	09/01/21	09:10	CKSM	09/09/21	AQ	Ground Water	2135YOU2052F
FA88755-2	09/02/21	08:23	TMJS	09/09/21	AQ	Ground Water	2135X0BW219F
FA88755-3	09/02/21	08:45	SKSB	09/09/21	AQ	Ground Water	2135Z0BW001F
FA88755-4	09/02/21	08:50	SKSB	09/09/21	AQ	Trip Blank Water	2135Z0BW002A
FA88755-5	09/02/21	09:05	SKSB	09/09/21	AQ	Ground Water	2135Z0BW003F
FA88755-6	09/02/21	09:10	SKSB	09/09/21	AQ	Ground Water	2135Z0BW004D

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88755

Site: Fort Ord Groundwater Monitoring **Report Date** 9/16/2021 11:46:29

On 09/09/2021, 5 Sample(s), 1 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88755 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2553

Sample(s) FA88620-2MS, FA88620-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VZ2589

Sample(s) FA88755-2MS, FA88755-2MSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives exceptas noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: FA88755
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88755-1	**2135YOU2052F**					
Trichloroethylene		5.9	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88755-2	**2135X0BW219F**					
Carbon Tetrachloride		0.44 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.12 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88755-3	**2135Z0BW001F**					
Carbon Tetrachloride		0.24 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.55	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88755-4	**2135Z0BW002A**					
No hits reported in this sample.						
FA88755-5	**2135Z0BW003F**					
Carbon Tetrachloride		0.17 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		2.6	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88755-6	**2135Z0BW004D**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Trichloroethylene		2.5	0.50	0.25	ug/l	SW846 8260B BY SIM

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135YOU2052F		
Lab Sample ID:	FA88755-1	**Date Sampled:**	09/01/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65827.D	1	09/10/21 11:24	CG	n/a	n/a	VZ2589
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	5.9	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW219F		
Lab Sample ID:	FA88755-2	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65828.D	1	09/10/21 11:44	CG	n/a	n/a	VZ2589
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.44	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.12	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Z0BW001F		
Lab Sample ID:	FA88755-3	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65829.D	1	09/10/21 12:05	CG	n/a	n/a	VZ2589
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.24	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.55	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Z0BW002A		
Lab Sample ID:	FA88755-4	**Date Sampled:**	09/02/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65087.D	1	09/10/21 16:37	CG	n/a	n/a	VO2553
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Z0BW003F		
Lab Sample ID:	FA88755-5	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65830.D	1	09/10/21 12:25	CG	n/a	n/a	VZ2589
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.17	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.6	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135Z0BW004D		
Lab Sample ID:	FA88755-6	**Date Sampled:**	09/02/21
Matrix:	AQ - Ground Water	**Date Received:**	09/09/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65831.D	1	09/10/21 12:46	CG	n/a	n/a	VZ2589
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.5	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CADS2363
Ahtna

CHAIN OF CUSTODY

FA88755
WATER / SOIL

1 of 3

Chain of Custody #: 0326

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: C. Kayhan, S. Morgan
Project Name: Former Fort Ord Bioscide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135Y0U120522F	09-01-21	0910	X			3	3								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: Tracking ID:
Comments: INITIAL ASSESSMENT

OUCTP Lower

0.4 IR4 LABEL VERIFICATION CM

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
C	09-01-21 / 1600	Steve Korday	9-1-21 / 1605
Relinquished By: Steve Korday	Date/Time: 9.3.21 / 1040	Received By: Lee Bates	Date/Time: 9/3/21 1040
Relinquished By: Fedex	Date/Time:	Received By Laboratory:	Date/Time: 9/9/21 930

5.1 5

FA88755: Chain of Custody
Page 1 of 4

CADS2363
Ahtna

CHAIN OF CUSTODY

FA88755
WATER / SOIL

2 of 3

Chain of Custody #: 0349

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / J. Schommer
Project Name: Ft. Ord, Basewide Gwm
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A						Notes
2	2135X0BW219F	9/2/21	0823	X			3	3								X								

Turnaround Time: X : Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: Tracking ID:

Comments:

OUCTP-Lower

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom Moore	9-2-21 1538	Steve Kerday	9-2-21 / 1545
Relinquished By: Steve Kerday	Date/Time: 9-3-21 / 1040	Received By: Lee Bolton	Date/Time: 9/3/21 1040
Relinquished By: Fedex	Date/Time:	Received By Laboratory: Nym Zan	Date/Time: 9/9/21 930

5.1
5

CAPS2363
Ahtna

CHAIN OF CUSTODY

FA88755
WATER / SOIL

3 of 3

Chain of Custody #: 0352

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: S. Korbay / S. Bennett
Project Name: Ft. Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
3	2135ZØBWØØ1F	9-2-21	0845	X			3	3								X			
4	2135ZØBWØØ2A	9-2-21	0850	X			2	2								X			
5	2135ZØBWØØ3F	9-2-21	0905	X			3	3								X			
6	2135ZØBWØØ4D	9-2-21	0910	X			3	3								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: Tracking ID:

Comments:

OUCTP - Lower

Chain of Custody Tracking:

Relinquished By Sampler	Date/Time	Received By	Date/Time
Steve Korbay	9.3.21 / 1040	Lee Bauer	9/3/21 1040
Relinquished By: Fedex	Date/Time:	Received By:	Date/Time: 9/9/21 930
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time:

5.1 5

SGS Sample Receipt Summary

Job Number: FA88755 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Lower

Date / Time Received: 9/9/2021 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 283413577556

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.4);

Cooler Temps (Corrected) °C: Cooler 1: (0.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments Cooler was received on 09/09/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: BRYANG Date: 9/9/2021 9:30:00 AM Reviewer: PH Date: 9/10/2021

FA88755: Chain of Custody
Page 4 of 4

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88755
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2553	SW846 8260B BY SIM						
VO2553-BS	56-23-5	Carbon Tetrachloride	BSP	REC	112	%	72-136
VO2553-BS	107-06-2	1,2-Dichloroethane	BSP	REC	100	%	73-128
VO2553-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VO2553-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	100	%	81-118
VO2553-BS	2037-26-5	Toluene-D8	BSP	SURR	104	%	89-112
FA88620-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	109	%	72-136
FA88620-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	109	%	73-128
FA88620-2MS*	79-01-6	Trichloroethylene	MS	REC	109	%	79-123
FA88620-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	103	%	81-118
FA88620-2MS*	2037-26-5	Toluene-D8	MS	SURR	99	%	89-112
FA88620-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	125	%	72-136
FA88620-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	13	%	20
FA88620-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	116	%	73-128
FA88620-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	6	%	20
FA88620-2MSD*	79-01-6	Trichloroethylene	MSD	REC	117	%	79-123
FA88620-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FA88620-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	104	%	81-118
FA88620-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	98	%	89-112
VO2553-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
VO2553-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
FA88755-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88755-4	2037-26-5	Toluene-D8	SAMP	SURR	99	%	89-112
VZ2589	SW846 8260B BY SIM						
VZ2589-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VZ2589-BS	107-06-2	1,2-Dichloroethane	BSP	REC	94	%	73-128
VZ2589-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VZ2589-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VZ2589-BS	2037-26-5	Toluene-D8	BSP	SURR	90	%	89-112
FA88755-2MS	56-23-5	Carbon Tetrachloride	MS	REC	113	%	72-136
FA88755-2MS	107-06-2	1,2-Dichloroethane	MS	REC	106	%	73-128
FA88755-2MS	79-01-6	Trichloroethylene	MS	REC	116	%	79-123
FA88755-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	101	%	81-118
FA88755-2MS	2037-26-5	Toluene-D8	MS	SURR	89	%	89-112
FA88755-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	106	%	72-136
FA88755-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	6	%	20
FA88755-2MSD	107-06-2	1,2-Dichloroethane	MSD	REC	101	%	73-128
FA88755-2MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	4	%	20
FA88755-2MSD	79-01-6	Trichloroethylene	MSD	REC	111	%	79-123
FA88755-2MSD	79-01-6	Trichloroethylene	MSD	RPD	4	%	20
FA88755-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	99	%	81-118

* Sample used for QC is not from job FA88755

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88755
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/01/21 thru 09/02/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88755-2MSD	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VZ2589-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	100	%	81-118
VZ2589-MB	2037-26-5	Toluene-D8	MB	SURR	93	%	89-112
FA88755-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FA88755-1	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FA88755-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FA88755-2	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FA88755-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88755-3	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FA88755-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FA88755-5	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FA88755-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88755-6	2037-26-5	Toluene-D8	SAMP	SURR	92	%	89-112

* Sample used for QC is not from job FA88755

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2589-MB	Z65825.D	1	09/10/21	CG	n/a	n/a	VZ2589

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-1, FA88755-2, FA88755-3, FA88755-5, FA88755-6

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	100%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

Method Blank Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2553-MB	O65086.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-4

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	102%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

Blank Spike Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2589-BS	Z65824.D	1	09/10/21	CG	n/a	n/a	VZ2589

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-1, FA88755-2, FA88755-3, FA88755-5, FA88755-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
107-06-2	1,2-Dichloroethane	5	4.7	94	75-125
79-01-6	Trichloroethylene	5	5.2	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	97%	74-125%
2037-26-5	Toluene-D8	90%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2553-BS	O65085.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.6	112	76-136
107-06-2	1,2-Dichloroethane	5	5.0	100	75-125
79-01-6	Trichloroethylene	5	5.2	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	100%	74-125%
2037-26-5	Toluene-D8	104%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88755-2MS	Z65832.D	5	09/10/21	CG	n/a	n/a	VZ2589
FA88755-2MSD	Z65833.D	5	09/10/21	CG	n/a	n/a	VZ2589
FA88755-2	Z65828.D	1	09/10/21	CG	n/a	n/a	VZ2589

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-1, FA88755-2, FA88755-3, FA88755-5, FA88755-6

CAS No.	Compound	FA88755-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.44	J	25	28.6	113	25	26.9	106	6	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U		25	26.4	106	25	25.3	101	4	75-125/14
79-01-6	Trichloroethylene	0.12	J	25	29.0	116	25	27.8	111	4	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA88755-2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	99%	101%	74-125%
2037-26-5	Toluene-D8	89%	90%	93%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88620-2MS	O65106.D	5	09/10/21	CG	n/a	n/a	VO2553
FA88620-2MSD	O65107.D	5	09/11/21	CG	n/a	n/a	VO2553
FA88620-2	O65088.D	1	09/10/21	CG	n/a	n/a	VO2553

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88755-4

CAS No.	Compound	FA88620-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.17	J	25	27.5	109	25	31.4	125	13	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U		25	27.2	109	25	29.0	116	6	75-125/14
79-01-6	Trichloroethylene	0.93		25	28.1	109	25	30.1	117	7	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA88620-2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	104%	102%	74-125%
2037-26-5	Toluene-D8	99%	98%	98%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2552-BFB
Lab File ID: O65072.D
Instrument ID: GCMSO
Injection Date: 09/10/21
Injection Time: 10:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	68112	22.4		Pass
75	30.0 - 60.0% of mass 95	145880	48.0		Pass
95	Base peak, 100% relative abundance	303808	100.0		Pass
96	5.0 - 9.0% of mass 95	20169	6.64		Pass
173	Less than 2.0% of mass 174	1908	0.63	(0.84) [a]	Pass
174	50.0 - 100.0% of mass 95	228075	75.1		Pass
175	5.0 - 9.0% of mass 174	16729	5.51	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	222613	73.3	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	14528	4.78	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2552-IC2552	O65073.D	09/10/21	11:12	00:23	Initial cal 1
VO2552-IC2552	O65074.D	09/10/21	11:35	00:46	Initial cal 2
VO2552-IC2552	O65075.D	09/10/21	11:58	01:09	Initial cal 3
VO2552-IC2552	O65076.D	09/10/21	12:21	01:32	Initial cal 4
VO2552-ICC2552	O65077.D	09/10/21	12:44	01:55	Initial cal 5
VO2552-IC2552	O65078.D	09/10/21	13:06	02:17	Initial cal 6
VO2552-IC2552	O65079.D	09/10/21	13:29	02:40	Initial cal 7
VO2552-ICV2552	O65081.D	09/10/21	14:15	03:26	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2553-BFB
Lab File ID: O65083.D
Instrument ID: GCMSO
Injection Date: 09/10/21
Injection Time: 15:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	70264	22.6		Pass
75	30.0 - 60.0% of mass 95	148307	47.8		Pass
95	Base peak, 100% relative abundance	310400	100.0		Pass
96	5.0 - 9.0% of mass 95	21601	6.96		Pass
173	Less than 2.0% of mass 174	1973	0.64	(0.86) [a]	Pass
174	50.0 - 100.0% of mass 95	230101	74.1		Pass
175	5.0 - 9.0% of mass 174	16345	5.27	(7.10) [a]	Pass
176	95.0 - 101.0% of mass 174	221632	71.4	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	14497	4.67	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2553-CC2552	O65084.D	09/10/21	15:27	00:22	Continuing cal 5
VO2553-BS	O65085.D	09/10/21	15:50	00:45	Blank Spike
VO2553-MB	O65086.D	09/10/21	16:13	01:08	Method Blank
FA88755-4	O65087.D	09/10/21	16:37	01:32	2135Z0BW002A
FA88620-2	O65088.D	09/10/21	17:00	01:55	(used for QC only; not part of job FA88755)
ZZZZZZ	O65089.D	09/10/21	17:22	02:17	(unrelated sample)
ZZZZZZ	O65090.D	09/10/21	17:46	02:41	(unrelated sample)
ZZZZZZ	O65091.D	09/10/21	18:09	03:04	(unrelated sample)
ZZZZZZ	O65092.D	09/10/21	18:32	03:27	(unrelated sample)
ZZZZZZ	O65093.D	09/10/21	18:55	03:50	(unrelated sample)
ZZZZZZ	O65094.D	09/10/21	19:18	04:13	(unrelated sample)
ZZZZZZ	O65095.D	09/10/21	19:41	04:36	(unrelated sample)
ZZZZZZ	O65096.D	09/10/21	20:04	04:59	(unrelated sample)
ZZZZZZ	O65097.D	09/10/21	20:27	05:22	(unrelated sample)
ZZZZZZ	O65098.D	09/10/21	20:50	05:45	(unrelated sample)
ZZZZZZ	O65099.D	09/10/21	21:13	06:08	(unrelated sample)
ZZZZZZ	O65100.D	09/10/21	21:36	06:31	(unrelated sample)
ZZZZZZ	O65101.D	09/10/21	22:00	06:55	(unrelated sample)
ZZZZZZ	O65102.D	09/10/21	22:23	07:18	(unrelated sample)
ZZZZZZ	O65103.D	09/10/21	22:46	07:41	(unrelated sample)
ZZZZZZ	O65104.D	09/10/21	23:09	08:04	(unrelated sample)
ZZZZZZ	O65105.D	09/10/21	23:31	08:26	(unrelated sample)
FA88620-2MS	O65106.D	09/10/21	23:54	08:49	Matrix Spike
FA88620-2MSD	O65107.D	09/11/21	00:17	09:12	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VO2553-BFB	**Injection Date:**	09/10/21
Lab File ID:	O65083.D	**Injection Time:**	15:05
Instrument ID:	GCMSO		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2553-ECC2552	O65108.D	09/11/21	00:41	09:36	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-BFB
Lab File ID: Z65736.D
Instrument ID: GCMSZ
Injection Date: 09/07/21
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	43592	18.5		Pass
75	30.0 - 60.0% of mass 95	120435	51.1		Pass
95	Base peak, 100% relative abundance	235755	100.0		Pass
96	5.0 - 9.0% of mass 95	16239	6.89		Pass
173	Less than 2.0% of mass 174	1121	0.48	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	177536	75.3		Pass
175	5.0 - 9.0% of mass 174	12644	5.36	(7.12) [a]	Pass
176	95.0 - 101.0% of mass 174	169256	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11265	4.78	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2586-IC2586	Z65738.D	09/07/21	10:06	01:31	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21	10:26	01:51	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21	10:46	02:11	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21	11:07	02:32	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21	11:27	02:52	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21	11:47	03:12	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21	12:08	03:33	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21	12:48	04:13	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21	14:21	05:46	Blank Spike
VZ2586-MB	Z65750.D	09/07/21	14:41	06:06	Method Blank
ZZZZZZ	Z65751.D	09/07/21	15:05	06:30	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21	15:26	06:51	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21	15:46	07:11	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21	16:07	07:32	(unrelated sample)
FA88619-2	Z65755.D	09/07/21	16:27	07:52	(used for QC only; not part of job FA88755)
ZZZZZZ	Z65756.D	09/07/21	16:48	08:13	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21	17:08	08:33	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21	17:29	08:54	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21	17:49	09:14	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21	18:09	09:34	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21	18:30	09:55	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21	18:50	10:15	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21	19:11	10:36	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21	19:31	10:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2586-BFB	**Injection Date:**	09/07/21
Lab File ID:	Z65736.D	**Injection Time:**	08:35
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88619-2MS	Z65765.D	09/07/21	19:52	11:17	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21	20:12	11:37	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21	20:32	11:57	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2589-BFB
Lab File ID: Z65822.D
Instrument ID: GCMSZ
Injection Date: 09/10/21
Injection Time: 09:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	40965	19.1		Pass
75	30.0 - 60.0% of mass 95	110035	51.3		Pass
95	Base peak, 100% relative abundance	214315	100.0		Pass
96	5.0 - 9.0% of mass 95	14538	6.78		Pass
173	Less than 2.0% of mass 174	1280	0.60	(0.72) [a]	Pass
174	50.0 - 100.0% of mass 95	177301	82.7		Pass
175	5.0 - 9.0% of mass 174	13250	6.18	(7.47) [a]	Pass
176	95.0 - 101.0% of mass 174	171315	79.9	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	11269	5.26	(6.58) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2589-CC2586	Z65823.D	09/10/21	10:02	00:20	Continuing cal 5
VZ2589-BS	Z65824.D	09/10/21	10:22	00:40	Blank Spike
VZ2589-MB	Z65825.D	09/10/21	10:42	01:00	Method Blank
FA88755-1	Z65827.D	09/10/21	11:24	01:42	2135YOU2052F
FA88755-2	Z65828.D	09/10/21	11:44	02:02	2135X0BW219F
FA88755-3	Z65829.D	09/10/21	12:05	02:23	2135Z0BW001F
FA88755-5	Z65830.D	09/10/21	12:25	02:43	2135Z0BW003F
FA88755-6	Z65831.D	09/10/21	12:46	03:04	2135Z0BW004D
FA88755-2MS	Z65832.D	09/10/21	13:06	03:24	Matrix Spike
FA88755-2MSD	Z65833.D	09/10/21	13:27	03:45	Matrix Spike Duplicate
VZ2589-ECC2586	Z65834.D	09/10/21	13:47	04:05	Ending cal 5

Internal Standard Area Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2553-CC2552	**Injection Date:**	09/10/21
Lab File ID:	O65084.D	**Injection Time:**	15:27
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	51001	10.78	35442	13.65
Check Std [b]	47842	10.78	33332	13.65
Upper Limit [c]	95684	10.95	66664	13.82
Lower Limit [d]	23921	10.61	16666	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2553-BS	47319	10.78	31720	13.65
VO2553-MB	48885	10.78	33115	13.65
FA88755-4	47318	10.78	32192	13.65
FA88620-2	47129	10.78	32209	13.65
ZZZZZZ	48428	10.78	32977	13.65
ZZZZZZ	45669	10.78	30926	13.65
ZZZZZZ	45846	10.78	31690	13.65
ZZZZZZ	43157	10.78	29865	13.65
ZZZZZZ	44626	10.78	30776	13.65
ZZZZZZ	43103	10.78	29710	13.65
ZZZZZZ	43034	10.78	29561	13.65
ZZZZZZ	44737	10.78	30595	13.65
ZZZZZZ	43466	10.78	29627	13.65
ZZZZZZ	47138	10.78	32676	13.65
ZZZZZZ	44639	10.78	30190	13.65
ZZZZZZ	42670	10.78	28904	13.65
ZZZZZZ	43914	10.78	30033	13.65
ZZZZZZ	43005	10.78	29309	13.65
ZZZZZZ	42321	10.78	28635	13.65
ZZZZZZ	42039	10.78	28539	13.65
ZZZZZZ	43441	10.78	29618	13.65
FA88620-2MS	40524	10.78	27505	13.65
FA88620-2MSD	40029	10.78	27519	13.65
VO2553-ECC2552	41581	10.78	29073	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2552-ICC2552 O65077.D 09/10/21 12:44
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2589-CC2586	**Injection Date:**	09/10/21
Lab File ID:	Z65823.D	**Injection Time:**	10:02
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	60384	8.05	44007	11.12
Check Std [b]	68654	8.05	53924	11.12
Upper Limit [c]	137308	8.22	107848	11.29
Lower Limit [d]	34327	7.88	26962	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2589-BS	66471	8.05	52180	11.12
VZ2589-MB	61985	8.05	47066	11.12
FA88755-1	58187	8.05	44727	11.12
FA88755-2	57863	8.05	44119	11.12
FA88755-3	55127	8.05	41214	11.12
FA88755-5	52349	8.05	40357	11.12
FA88755-6	51025	8.05	42844	11.12
FA88755-2MS	56833	8.05	45582	11.12
FA88755-2MSD	56144	8.05	44831	11.12
VZ2589-ECC2586	56072	8.05	44417	11.12

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2586-ICC2586 Z65742.D 09/07/21 11:27
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88755-1	Z65827.D	99	93
FA88755-2	Z65828.D	101	93
FA88755-3	Z65829.D	102	94
FA88755-4	O65087.D	102	99
FA88755-5	Z65830.D	103	93
FA88755-6	Z65831.D	105	92
FA88620-2MS	O65106.D	103	99
FA88620-2MSD	O65107.D	104	98
FA88755-2MS	Z65832.D	101	89
FA88755-2MSD	Z65833.D	99	90
VO2553-BS	O65085.D	100	104
VO2553-MB	O65086.D	102	99
VZ2589-BS	Z65824.D	97	90
VZ2589-MB	Z65825.D	100	93

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2552-ICC2552
Lab FileID: O65077.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

Calibration Files
1 =O65073.D 2 =O65074.D 3 =O65075.D 4 =O65076.D
5 =O65077.D 6 =O65078.D 7 =O65079.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.754	0.650	0.590	0.629	0.688	0.646	0.671	0.661	7.80
3)	Chloromethane	1.936	0.966	0.786	0.819	0.854	0.783	0.830	0.996	42.06
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980									
	Response Ratio = 0.00000 + 0.81244 *A + 0.00182 *A^2									
4)	1,1-Dichloroethen	0.942	0.854	0.901	0.860	0.947	0.892	0.924	0.903	4.11
5)	Methylene Chlorid	9.838	2.436	1.214	1.039	0.987	0.910	0.918	2.477	132.81
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9978									
	Response Ratio = 0.00000 + 1.05344 *A + -0.03697 *A^2									
6)	trans-1,2-Dichlor	0.942	0.854	0.901	0.860	0.947	0.892	0.924	0.903	4.11
7)	1,1-Dichloroethan	0.987	0.955	0.964	0.937	1.010	0.964	0.986	0.972	2.48
8)	cis-1,2-Dichloroe	0.457	0.429	0.441	0.424	0.469	0.442	0.459	0.446	3.71
9)	Chloroform	1.074	0.917	0.963	0.933	0.970	0.937	0.945	0.963	5.41
10)	Carbon Tetrachlor	0.529	0.533	0.554	0.504	0.634	0.557	0.596	0.558	7.92
11)	1,1,1-Trichloroet	0.806	0.723	0.762	0.736	0.826	0.776	0.801	0.776	4.90
12)	Benzene	1.841	1.740	1.769	1.730	1.851	1.774	1.820	1.789	2.70
13)S	1,2-Dichloroethan	0.403	0.408	0.396	0.399	0.401	0.403	0.403	0.402	0.90
14)	1,2-Dichloroethan	0.899	0.900	0.907	0.911	0.938	0.912	0.921	0.913	1.48
15)	Trichloroethene	0.551	0.513	0.527	0.507	0.574	0.526	0.543	0.534	4.34
16)	1,2-Dichloropropa	0.542	0.533	0.542	0.536	0.566	0.549	0.562	0.547	2.29
17)	cis-1,3-Dichlorop	0.483	0.584	0.592	0.599	0.708	0.663	0.707	0.620	12.90
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.191	1.222	1.242	1.229	1.214	1.241	1.203	1.220	1.57
20)	trans-1,3-Dichlor	0.704	0.862	0.859	0.886	1.019	0.958	1.007	0.899	12.08
21)	Tetrachloroethene	0.677	0.659	0.685	0.663	0.724	0.679	0.700	0.684	3.29

(#) = Out of Range

SIMCL-09-10-2021.M Fri Sep 10 14:37:52 2021

Initial Calibration Verification

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2552-ICV2552
Lab FileID: O65081.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65081.D Vial: 11
Acq On : 10 Sep 2021 2:15 pm Operator: charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00	10.78
2		Vinyl Chloride	0.661	0.596	9.8	86	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	8.963	10.4	85	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	0.903	0.948	-5.0	99	0.00	5.45
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	9.705	2.9	95	0.00	6.50
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	0.903	0.948	-5.0	99	0.00	5.45
7		1,1-Dichloroethane	0.972	1.052	-8.2	103	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.470	-5.4	99	0.00	5.45
9		Chloroform	0.963	0.981	-1.9	100	0.00	9.45
10		Carbon Tetrachloride	0.558	0.570	-2.2	89	0.00	9.66
11		1,1,1-Trichloroethane	0.776	0.813	-4.8	97	0.00	9.76
12		Benzene	1.789	1.870	-4.5	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.403	-0.2	99	0.00	10.44
14		1,2-Dichloroethane	0.913	0.946	-3.6	100	0.00	10.52
15		Trichloroethene	0.534	0.559	-4.7	96	0.00	10.97
16		1,2-Dichloropropane	0.547	0.578	-5.7	101	0.00	11.52
17		cis-1,3-Dichloropropene	0.620	0.685	-10.5	96	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	13.65
19	S	Toluene-d8	1.220	1.219	0.1	99	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	0.992	-10.3	96	0.00	12.77
21		Tetrachloroethene	0.684	0.722	-5.6	98	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Fri Sep 10 14:37:38 2021

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2553-CC2552
Lab FileID: O65084.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65084.D Vial: 3
Acq On : 10 Sep 2021 3:27 pm Operator: charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	94	0.00	10.78
2		Vinyl Chloride	0.661	0.733	-10.9	100	0.00	3.49
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.315	-13.1	101	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.903	1.013	-12.2	100	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.615	-6.2	98	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.903	1.013	-12.2	100	0.00	5.45
7		1,1-Dichloroethane	0.972	1.070	-10.1	99	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.501	-12.3	100	0.00	5.45
9		Chloroform	0.963	1.023	-6.2	99	0.00	9.45
10		Carbon Tetrachloride	0.558	0.658	-17.9	97	0.00	9.66
11		1,1,1-Trichloroethane	0.776	0.873	-12.5	99	0.00	9.76
12		Benzene	1.789	1.962	-9.7	99	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.402	0.0	94	0.00	10.44
14		1,2-Dichloroethane	0.913	0.986	-8.0	99	0.00	10.52
15		Trichloroethene	0.534	0.616	-15.4	101	0.00	10.97
16		1,2-Dichloropropane	0.547	0.599	-9.5	99	0.00	11.53
17		cis-1,3-Dichloropropene	0.620	0.739	-19.2	98	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	13.65
19	S	Toluene-d8	1.220	1.205	1.2	93	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	1.060	-17.9	98	0.00	12.77
21		Tetrachloroethene	0.684	0.762	-11.4	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Fri Sep 10 16:11:55 2021

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2553-ECC2552
Lab FileID: O65108.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-10\O65108.D Vial: 27
Acq On : 11 Sep 2021 12:41 am Operator: charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 10 14:34:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	82	0.00	10.78
2		Vinyl Chloride	0.661	0.762	-15.3	90	0.00	3.49
		----------	Amount	Calc.	%Drift	----------		
3		Chloromethane	10.000	12.315	-23.1	96	0.00	3.33
		----------	AvgRF	CCRF	%Dev	----------		
4		1,1-Dichloroethene	0.903	1.103	-22.1	95	0.00	5.45
		----------	Amount	Calc.	%Drift	----------		
5		Methylene Chloride	10.000	12.397	-24.0	98	0.00	6.50
		----------	AvgRF	CCRF	%Dev	----------		
6		trans-1,2-Dichloroethene	0.903	1.103	-22.1	95	0.00	5.45
7		1,1-Dichloroethane	0.972	1.178	-21.2	95	0.00	7.95
8		cis-1,2-Dichloroethene	0.446	0.539	-20.9	94	0.00	5.45
9		Chloroform	0.963	1.128	-17.1	95	0.00	9.45
10		Carbon Tetrachloride	0.558	0.672	-20.4	86	0.00	9.65
11		1,1,1-Trichloroethane	0.776	0.907	-16.9	90	0.00	9.76
12		Benzene	1.789	2.164	-21.0	95	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.402	0.417	-3.7	85	0.00	10.44
14		1,2-Dichloroethane	0.913	1.112	-21.8	97	0.00	10.52
15		Trichloroethene	0.534	0.661	-23.8	94	0.00	10.97
16		1,2-Dichloropropane	0.547	0.672	-22.9	97	0.00	11.53
17		cis-1,3-Dichloropropene	0.620	0.759	-22.4	87	0.00	12.77
18	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00	13.65
19	S	Toluene-d8	1.220	1.194	2.1	81	0.00	12.37
20		trans-1,3-Dichloropropene	0.899	1.086	-20.8	87	0.00	12.77
21		Tetrachloroethene	0.684	0.820	-19.9	93	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O65077.D SIMCL-09-10-2021.M Sat Sep 11 09:39:48 2021

Initial Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICC2586
Lab FileID: Z65742.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Calibration Files
1 =Z65738.D 2 =Z65739.D 3 =Z65740.D 4 =Z65741.D
5 =Z65742.D 6 =Z65743.D 7 =Z65744.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.500	0.478	0.516	0.541	0.533	0.531	0.572	0.524	5.76
3)	Chloromethane	1.202	0.657	0.608	0.579	0.557	0.552	0.593	0.678	34.44
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.52714 *A + 0.01459 *A^2									
4)	1,1-Dichloroethen	0.477	0.699	0.641	0.675	0.683	0.698	0.738	0.659	12.94
5)	Methylene Chlorid		1.772	0.995	0.780	0.751	0.725	1.005	44.03	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9967									
	Response Ratio = 0.00000 + 0.75449 *A									
6)	trans-1,2-Dichlor	0.433	0.659	0.607	0.629	0.641	0.657	0.690	0.617	13.77
7)	1,1-Dichloroethan	0.508	0.768	0.705	0.729	0.741	0.760	0.798	0.715	13.43
8)	cis-1,2-Dichloroe	0.342	0.516	0.463	0.476	0.484	0.498	0.523	0.472	12.92
9)	Chloroform	0.723	0.925	0.890	0.878	0.878	0.900	0.940	0.876	8.15
10)	Carbon Tetrachlor	0.418	0.593	0.581	0.607	0.611	0.628	0.664	0.586	13.47
11)	1,1,1-Trichloroet	0.537	0.723	0.711	0.733	0.742	0.756	0.795	0.714	11.57
12)	Benzene	1.247	1.737	1.591	1.628	1.642	1.669	1.754	1.610	10.57
13)S	1,2-Dichloroethan	0.343	0.345	0.356	0.331	0.329	0.330	0.330	0.338	3.06
14)	1,2-Dichloroethan	0.439	0.618	0.570	0.588	0.595	0.603	0.627	0.577	11.03
15)	Trichloroethene	0.361	0.492	0.454	0.473	0.480	0.489	0.515	0.466	10.72
16)	1,2-Dichloropropa	0.301	0.444	0.405	0.412	0.414	0.418	0.435	0.404	11.76
17)	cis-1,3-Dichlorop	0.405	0.582	0.627	0.654	0.673	0.682	0.705	0.618	16.52
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.63286 *A + 0.01776 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.197	1.228	1.212	1.211	1.214	1.201	1.202	1.209	0.85
20)	trans-1,3-Dichlor	0.383	0.548	0.697	0.741	0.781	0.814	0.845	0.687	24.12
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.71123 *A + 0.03365 *A^2									
21)	Tetrachloroethene	0.423	0.651	0.589	0.619	0.628	0.636	0.667	0.602	13.75
22)	1,4-Dichlorobenze	0.908	1.346	1.250	1.306	1.360	1.416	1.489	1.296	14.48
23)	1,2-Dibromo-3-Chl	0.101	0.096	0.094	0.097	0.106	0.113	0.124	0.105	10.44

(#) = Out of Range

SIMCL-09-07-2021.M Tue Sep 07 13:39:09 2021

Initial Calibration Verification

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-07\Z65746.D Vial: 11
Acq On : 7 Sep 2021 12:48 pm Operator: CHARLENG
Sample : icv2586-5 Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	8.05
2		Vinyl Chloride	0.524	0.503	4.0	83	0.00	3.39
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	9.200	8.0	81	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.743	-12.7	96	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	10.764	-7.6	92	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.694	-12.5	96	0.00	5.54
7		1,1-Dichloroethane	0.715	0.844	-18.0	101	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.538	-14.0	98	0.00	6.78
9		Chloroform	0.876	0.960	-9.6	97	0.00	7.04
10		Carbon Tetrachloride	0.586	0.678	-15.7	98	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.812	-13.7	97	0.00	7.28
12		Benzene	1.610	1.765	-9.6	95	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	90	0.00	7.78
14		1,2-Dichloroethane	0.577	0.639	-10.7	95	0.00	7.85
15		Trichloroethene	0.466	0.526	-12.9	97	0.00	8.21
16		1,2-Dichloropropane	0.404	0.436	-7.9	93	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.827	1.7	86	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	11.12
19	S	Toluene-d8	1.209	1.191	1.5	86	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.564	-5.6	92	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.673	-11.8	93	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.550	-19.6	99	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.120	-14.3	98	0.00	14.65

Initial Calibration Verification

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Tue Sep 07 13:38:58 2021

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2589-CC2586
Lab FileID: Z65823.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65823.D Vial: 3
Acq On : 10 Sep 2021 10:02 am Operator: CHARLENG
Sample : CC2586-5 Inst : MSVOA15
Misc : MS49709,VZ2589,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	114	0.00	8.05
2		Vinyl Chloride	0.524	0.558	-6.5	119	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.418	-4.2	119	0.00	3.26
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.661	-0.3	110	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	7.811	21.9#	86	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.622	-0.8	110	0.00	5.54
7		1,1-Dichloroethane	0.715	0.731	-2.2	112	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.483	-2.3	113	0.00	6.78
9		Chloroform	0.876	0.885	-1.0	115	0.00	7.04
10		Carbon Tetrachloride	0.586	0.599	-2.2	111	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.743	-4.1	114	0.00	7.28
12		Benzene	1.610	1.599	0.7	111	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.326	3.6	112	0.00	7.78
14		1,2-Dichloroethane	0.577	0.561	2.8	107	0.00	7.85
15		Trichloroethene	0.466	0.490	-5.2	116	0.00	8.21
16		1,2-Dichloropropane	0.404	0.414	-2.5	114	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.001	10.0	101	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	123	0.00	11.12
19	S	Toluene-d8	1.209	1.091	9.8	110	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.051	19.5	97	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.647	-7.5	126	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.283	1.0	116	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.074	29.5#	86	0.00	14.64

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2589-CC2586
Lab FileID: Z65823.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Fri Sep 10 11:11:10 2021

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2589-ECC2586
Lab FileID: Z65834.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65834.D Vial: 14
Acq On : 10 Sep 2021 1:47 pm Operator: CHARLENG
Sample : ECC2586-5 Inst : MSVOA15
Misc : MS49753,VZ2589,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	93	0.00	8.05
2		Vinyl Chloride	0.524	0.638	-21.8	111	0.00	3.39
3		Chloromethane	10.000	12.018	-20.2	113	0.00	3.27
4		1,1-Dichloroethene	0.659	0.739	-12.1	100	0.00	4.71
5		Methylene Chloride	10.000	8.937	10.6	80	0.00	5.36
6		trans-1,2-Dichloroethene	0.617	0.694	-12.5	101	0.00	5.55
7		1,1-Dichloroethane	0.715	0.818	-14.4	103	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.539	-14.2	103	0.00	6.78
9		Chloroform	0.876	0.990	-13.0	105	0.00	7.04
10		Carbon Tetrachloride	0.586	0.658	-12.3	100	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.825	-15.5	103	0.00	7.28
12		Benzene	1.610	1.787	-11.0	101	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.336	0.6	95	0.00	7.78
14		1,2-Dichloroethane	0.577	0.644	-11.6	101	0.00	7.85
15		Trichloroethene	0.466	0.552	-18.5	107	0.00	8.21
16		1,2-Dichloropropane	0.404	0.462	-14.4	104	0.00	8.74
17		cis-1,3-Dichloropropene	10.000	9.734	2.7	90	0.00	9.39
18	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	11.12
19	S	Toluene-d8	1.209	1.080	10.7	90	0.00	9.58
20		trans-1,3-Dichloropropene	10.000	9.240	7.6	92	0.00	10.02
21		Tetrachloroethene	0.602	0.717	-19.1	115	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.585	-22.3	118	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.098	6.7	94	0.00	14.64

Continuing Calibration Summary

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2589-ECC2586
Lab FileID: Z65834.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Fri Sep 10 14:09:45 2021

Run Sequence Report

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2552 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2552-BFB	O65072.D	09/10/21 10:49	n/a	BFB Tune
VO2552-IC2552	O65073.D	09/10/21 11:12	n/a	Initial cal 1
VO2552-IC2552	O65074.D	09/10/21 11:35	n/a	Initial cal 2
VO2552-IC2552	O65075.D	09/10/21 11:58	n/a	Initial cal 3
VO2552-IC2552	O65076.D	09/10/21 12:21	n/a	Initial cal 4
VO2552-ICC2552	O65077.D	09/10/21 12:44	n/a	Initial cal 5
VO2552-IC2552	O65078.D	09/10/21 13:06	n/a	Initial cal 6
VO2552-IC2552	O65079.D	09/10/21 13:29	n/a	Initial cal 7
VO2552-ICV2552	O65081.D	09/10/21 14:15	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2553 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2553-BFB	O65083.D	09/10/21 15:05	n/a	BFB Tune
VO2553-CC2552	O65084.D	09/10/21 15:27	n/a	Continuing cal 5
VO2553-BS	O65085.D	09/10/21 15:50	n/a	Blank Spike
VO2553-MB	O65086.D	09/10/21 16:13	n/a	Method Blank
FA88755-4	O65087.D	09/10/21 16:37	n/a	2135Z0BW002A
FA88620-2	O65088.D	09/10/21 17:00	n/a	(used for QC only; not part of job FA88755)
ZZZZZZ	O65089.D	09/10/21 17:22	n/a	(unrelated sample)
ZZZZZZ	O65090.D	09/10/21 17:46	n/a	(unrelated sample)
ZZZZZZ	O65091.D	09/10/21 18:09	n/a	(unrelated sample)
ZZZZZZ	O65092.D	09/10/21 18:32	n/a	(unrelated sample)
ZZZZZZ	O65093.D	09/10/21 18:55	n/a	(unrelated sample)
ZZZZZZ	O65094.D	09/10/21 19:18	n/a	(unrelated sample)
ZZZZZZ	O65095.D	09/10/21 19:41	n/a	(unrelated sample)
ZZZZZZ	O65096.D	09/10/21 20:04	n/a	(unrelated sample)
ZZZZZZ	O65097.D	09/10/21 20:27	n/a	(unrelated sample)
ZZZZZZ	O65098.D	09/10/21 20:50	n/a	(unrelated sample)
ZZZZZZ	O65099.D	09/10/21 21:13	n/a	(unrelated sample)
ZZZZZZ	O65100.D	09/10/21 21:36	n/a	(unrelated sample)
ZZZZZZ	O65101.D	09/10/21 22:00	n/a	(unrelated sample)
ZZZZZZ	O65102.D	09/10/21 22:23	n/a	(unrelated sample)
ZZZZZZ	O65103.D	09/10/21 22:46	n/a	(unrelated sample)
ZZZZZZ	O65104.D	09/10/21 23:09	n/a	(unrelated sample)
ZZZZZZ	O65105.D	09/10/21 23:31	n/a	(unrelated sample)
FA88620-2MS	O65106.D	09/10/21 23:54	n/a	Matrix Spike
FA88620-2MSD	O65107.D	09/11/21 00:17	n/a	Matrix Spike Duplicate
VO2553-ECC2552	O65108.D	09/11/21 00:41	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2586 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2586-BFB	Z65736.D	09/07/21 08:35	n/a	BFB Tune
VZ2586-IC2586	Z65738.D	09/07/21 10:06	n/a	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21 10:26	n/a	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21 10:46	n/a	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21 11:07	n/a	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21 11:27	n/a	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21 11:47	n/a	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21 12:08	n/a	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21 12:48	n/a	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21 14:21	n/a	Blank Spike
VZ2586-MB	Z65750.D	09/07/21 14:41	n/a	Method Blank
ZZZZZZ	Z65751.D	09/07/21 15:05	n/a	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21 15:26	n/a	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21 15:46	n/a	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21 16:07	n/a	(unrelated sample)
FA88619-2	Z65755.D	09/07/21 16:27	n/a	(used for QC only; not part of job FA88755)
ZZZZZZ	Z65756.D	09/07/21 16:48	n/a	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21 17:08	n/a	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21 17:29	n/a	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21 17:49	n/a	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21 18:09	n/a	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21 18:30	n/a	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21 18:50	n/a	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21 19:11	n/a	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21 19:31	n/a	(unrelated sample)
FA88619-2MS	Z65765.D	09/07/21 19:52	n/a	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21 20:12	n/a	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21 20:32	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88755
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2589 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2589-BFB	Z65822.D	09/10/21 09:42	n/a	BFB Tune
VZ2589-CC2586	Z65823.D	09/10/21 10:02	n/a	Continuing cal 5
VZ2589-BS	Z65824.D	09/10/21 10:22	n/a	Blank Spike
VZ2589-MB	Z65825.D	09/10/21 10:42	n/a	Method Blank
FA88755-1	Z65827.D	09/10/21 11:24	n/a	2135YOU2052F
FA88755-2	Z65828.D	09/10/21 11:44	n/a	2135X0BW219F
FA88755-3	Z65829.D	09/10/21 12:05	n/a	2135Z0BW001F
FA88755-5	Z65830.D	09/10/21 12:25	n/a	2135Z0BW003F
FA88755-6	Z65831.D	09/10/21 12:46	n/a	2135Z0BW004D
FA88755-2MS	Z65832.D	09/10/21 13:06	n/a	Matrix Spike
FA88755-2MSD	Z65833.D	09/10/21 13:27	n/a	Matrix Spike Duplicate
VZ2589-ECC2586	Z65834.D	09/10/21 13:47	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:52 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

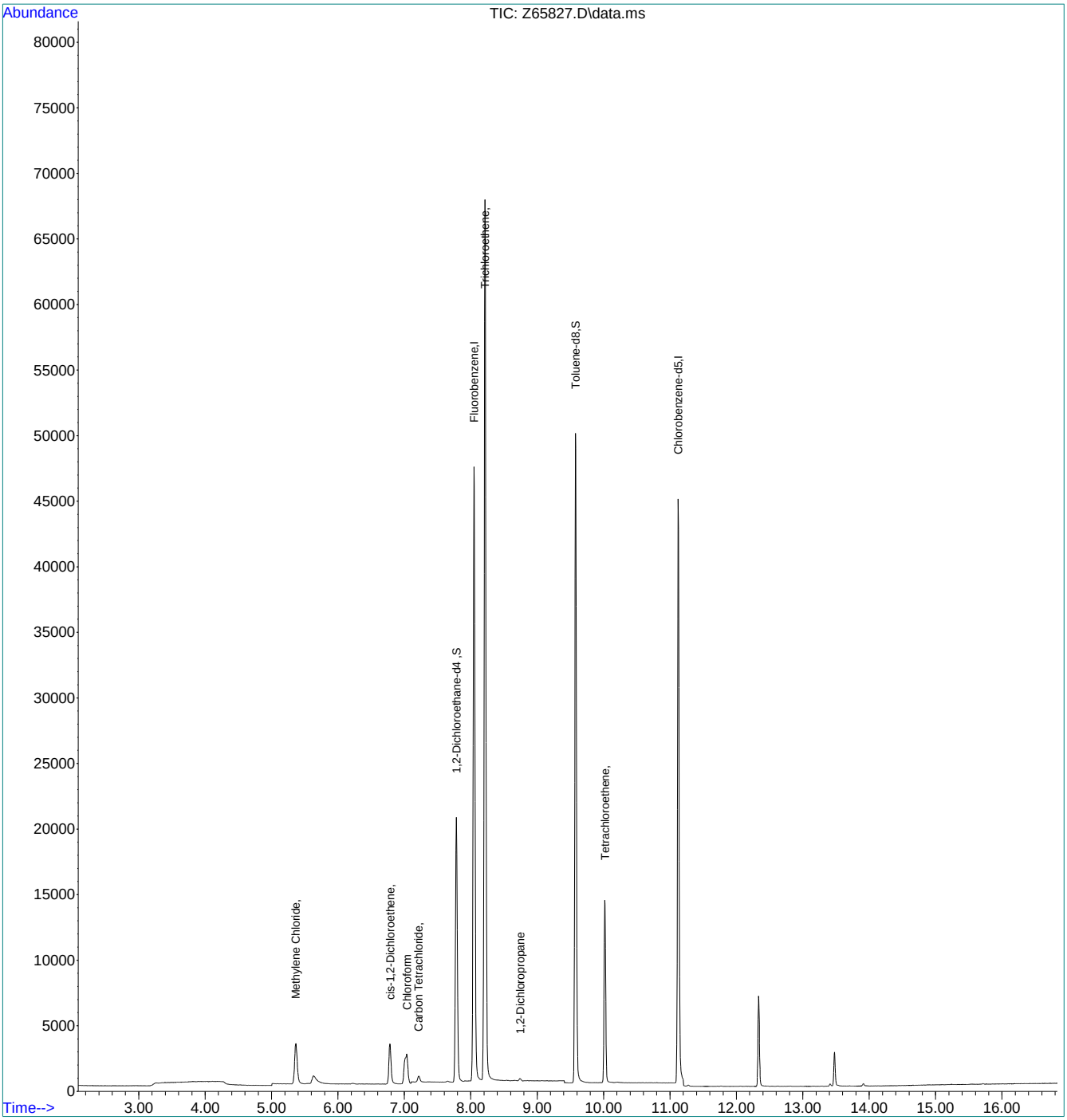
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	58187	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44727	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	19432	4.94	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%			
19) Toluene-d8	9.577	98	50343	4.65	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	2927	0.33	ug/L #	58
8) cis-1,2-Dichloroethene	6.786	96	2178	0.40	ug/L #	69
9) Chloroform	7.039	83	2110m	0.21	ug/L	
10) Carbon Tetrachloride	7.213	117	337m	0.05	ug/L	
15) Trichloroethene	8.214	95	31757	5.85	ug/L	92
16) 1,2-Dichloropropane	8.747	63	98	0.02	ug/L	90
21) Tetrachloroethene	10.022	166	6727	1.25	ug/L #	98

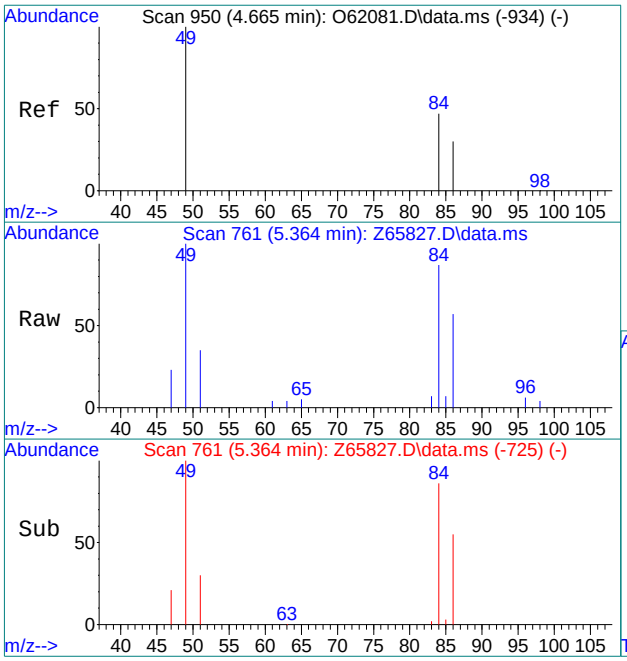
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:52 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

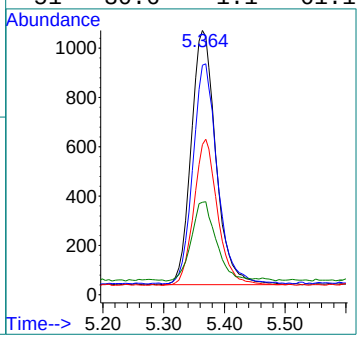


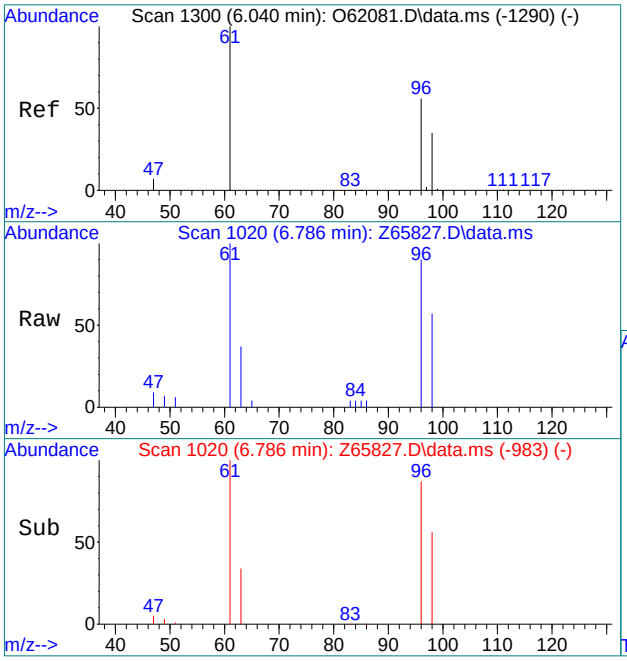


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion: 49 Resp: 2927

Ion	Ratio	Lower	Upper
49	100		
84	85.9	13.9	73.9#
86	55.4	0.0	58.0
51	30.6	1.1	61.1

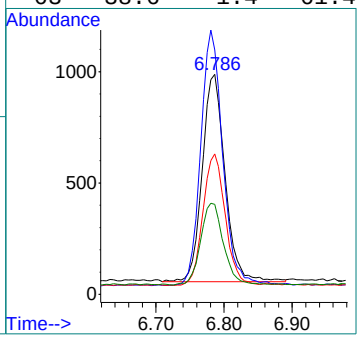


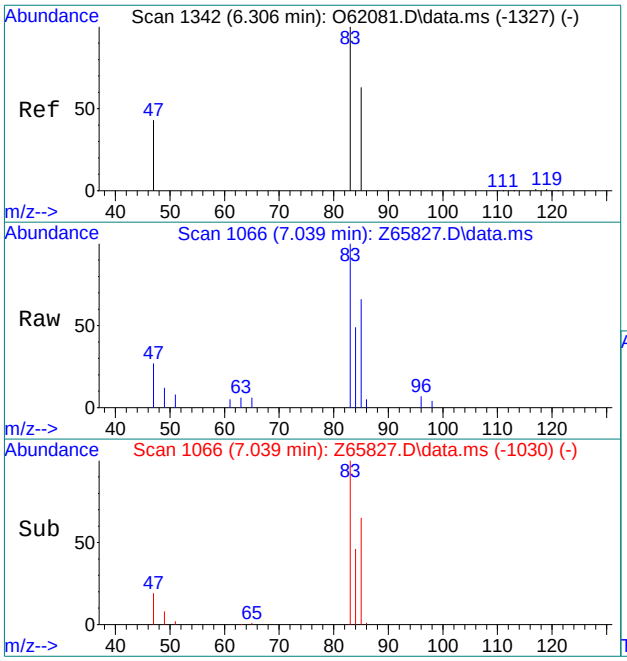


#8
cis-1,2-Dichloroethene
Concen: 0.40 ug/L
RT: 6.786 min Scan# 1020
Delta R.T. 0.005 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion: 96 Resp: 2178

Ion	Ratio	Lower	Upper
96	100		
61	113.4	147.2	207.2#
98	63.2	33.1	93.1
63	38.6	1.4	61.4

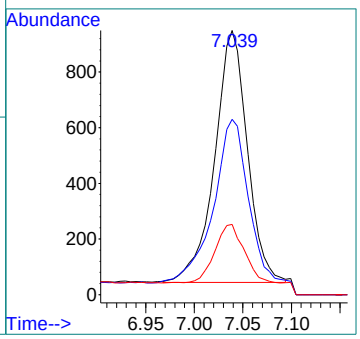


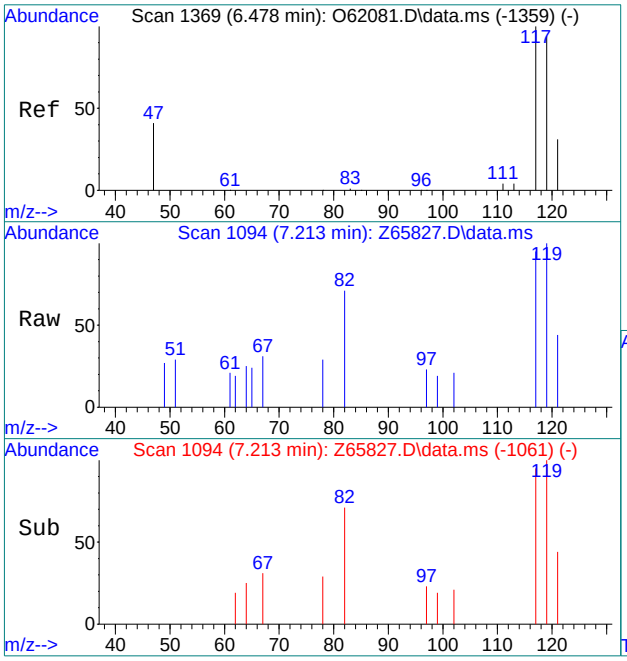


#9
Chloroform
Concen: 0.21 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion: 83 Resp: 2110

Ion	Ratio	Lower	Upper
83	100		
85	66.3	34.3	94.3
47	26.6	13.3	73.3

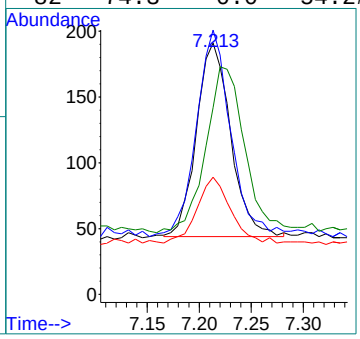


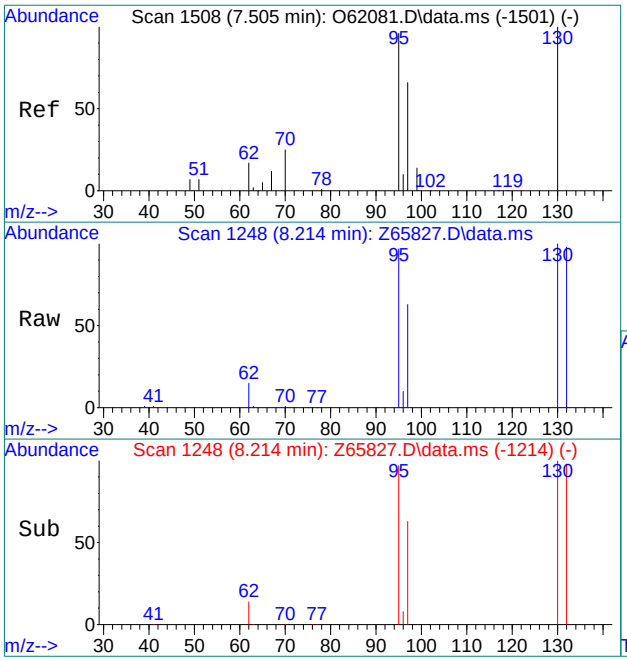


#10
Carbon Tetrachloride
Concen: 0.05 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion:117 Resp: 337

Ion	Ratio	Lower	Upper
117	100		
119	105.2	64.8	124.8
121	46.6	1.6	61.6
82	74.3	0.0	54.2#

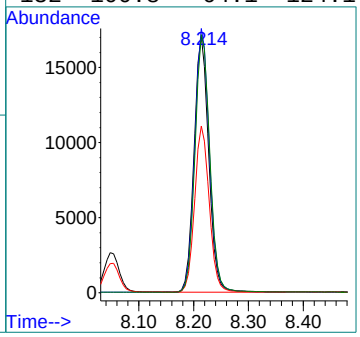


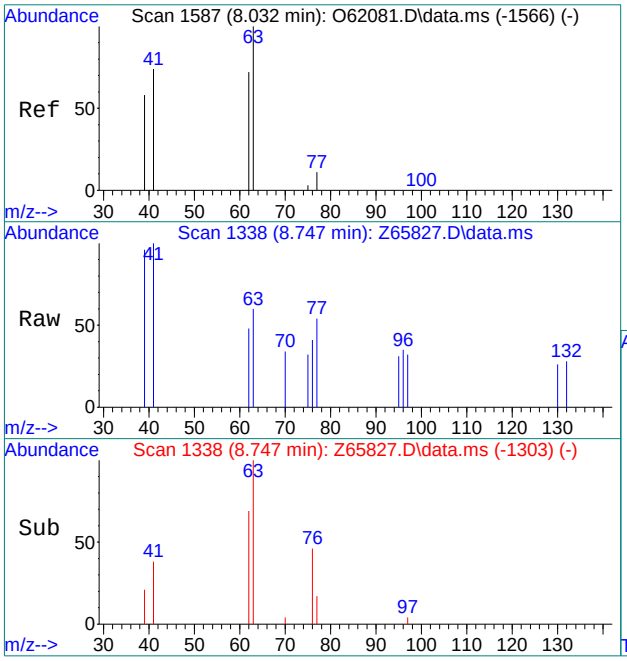


#15
Trichloroethene
Concen: 5.85 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. -0.000 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion: 95 Resp: 31757

Ion	Ratio	Lower	Upper
95	100		
130	103.2	58.7	118.7
97	65.0	35.1	95.1
132	100.8	64.1	124.1

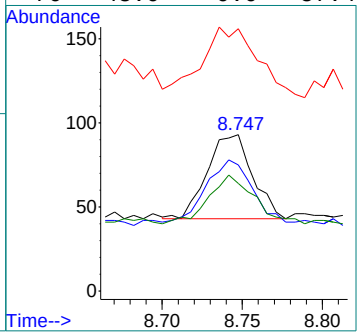


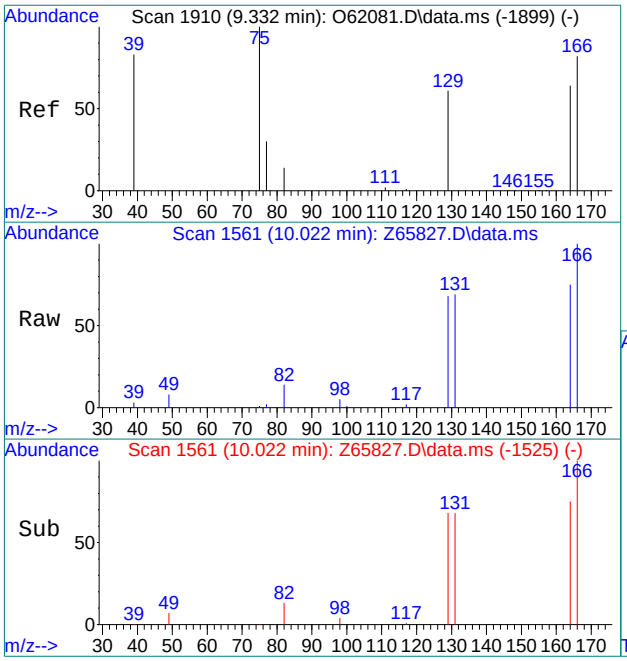


#16
1,2-Dichloropropane
Concen: 0.02 ug/L
RT: 8.747 min Scan# 1338
Delta R.T. 0.005 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion: 63 Resp: 98

Ion	Ratio	Lower	Upper
63	100		
62	68.0	41.3	101.3
41	72.0	46.2	106.2
76	48.0	0.0	57.4

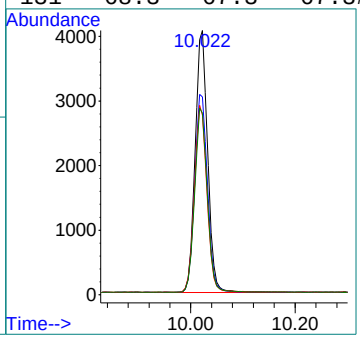




#21
Tetrachloroethene
Concen: 1.25 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65827.D
Acq: 10 Sep 2021 11:24 am

Tgt Ion:166 Resp: 6727

Ion	Ratio	Lower	Upper
166	100		
164	74.5	46.5	106.5
129	67.7	36.5	96.5
131	68.3	67.3	67.3#



Manual Integration Approval Summary

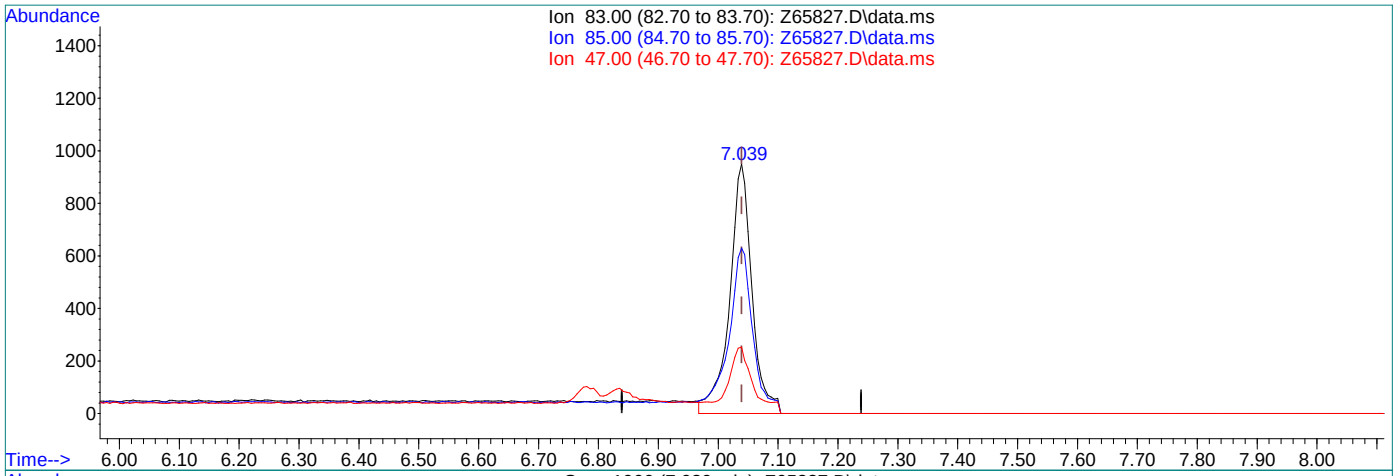
Sample Number: FA88755-1
Lab FileID: Z65827.D
Injection Time: 09/10/21 11:24
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:13 Charlene Gonzalez
Supervisor approved: 09/10/21 16:45 Sean Pioro

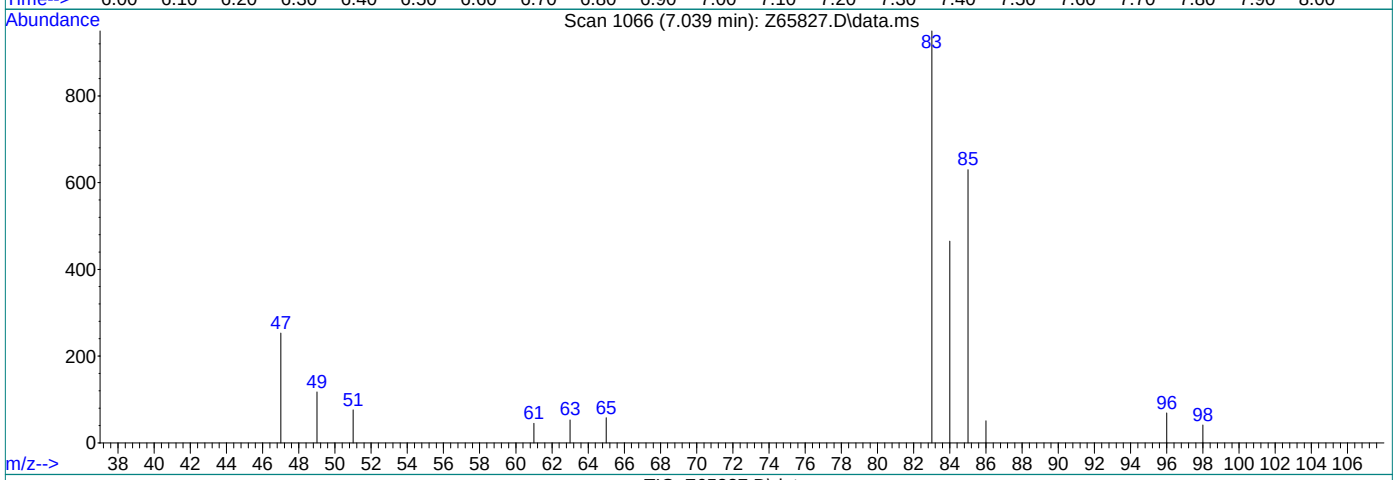
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65827.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.24ug/L

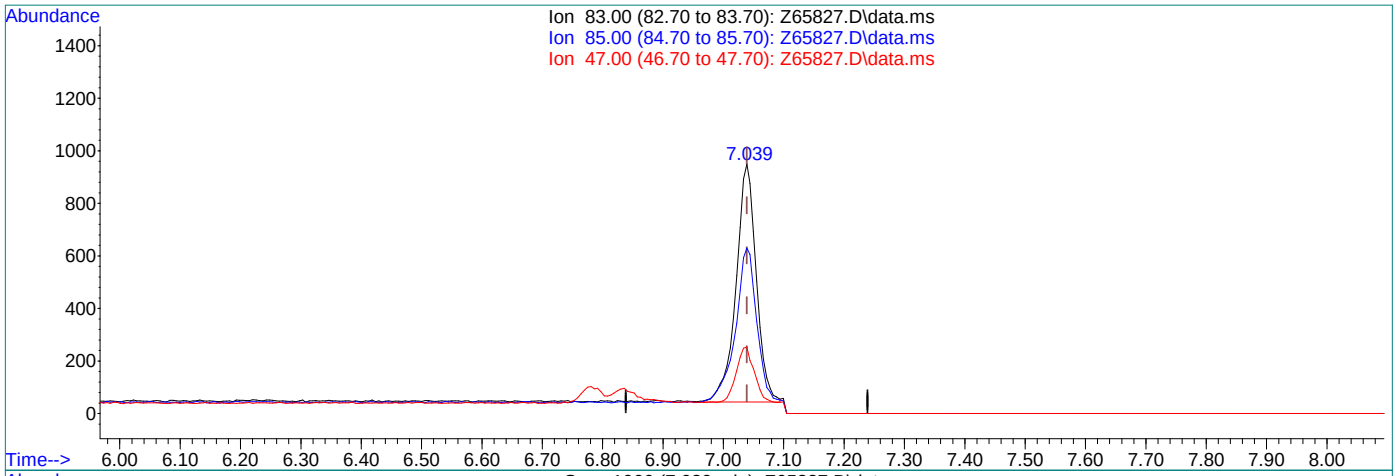
response 2485

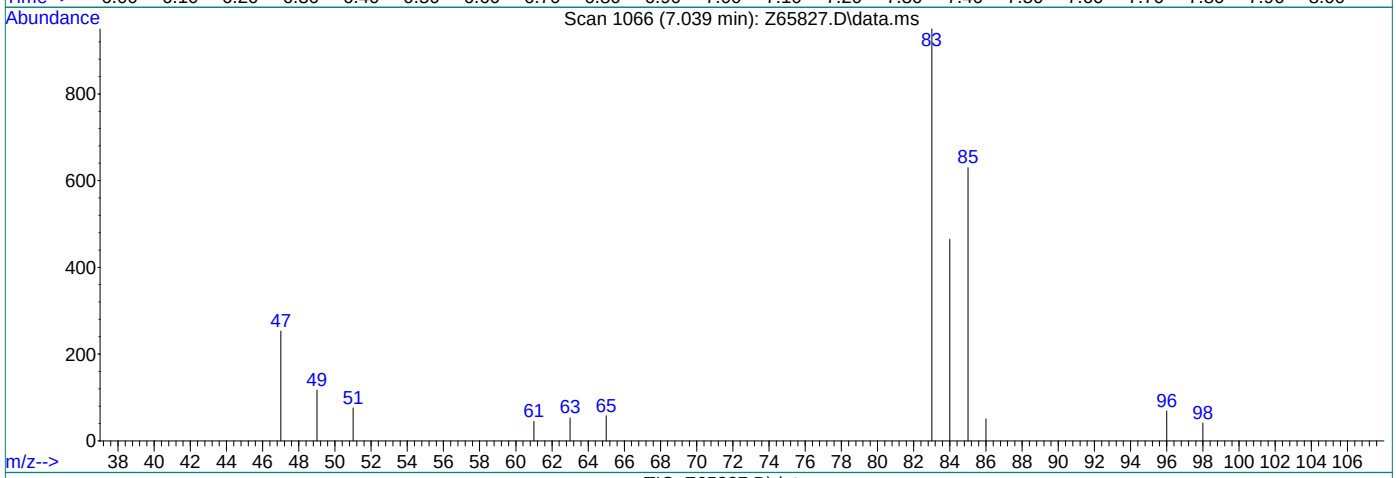
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.32
47.00	43.30	26.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65827.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.21ug/L m

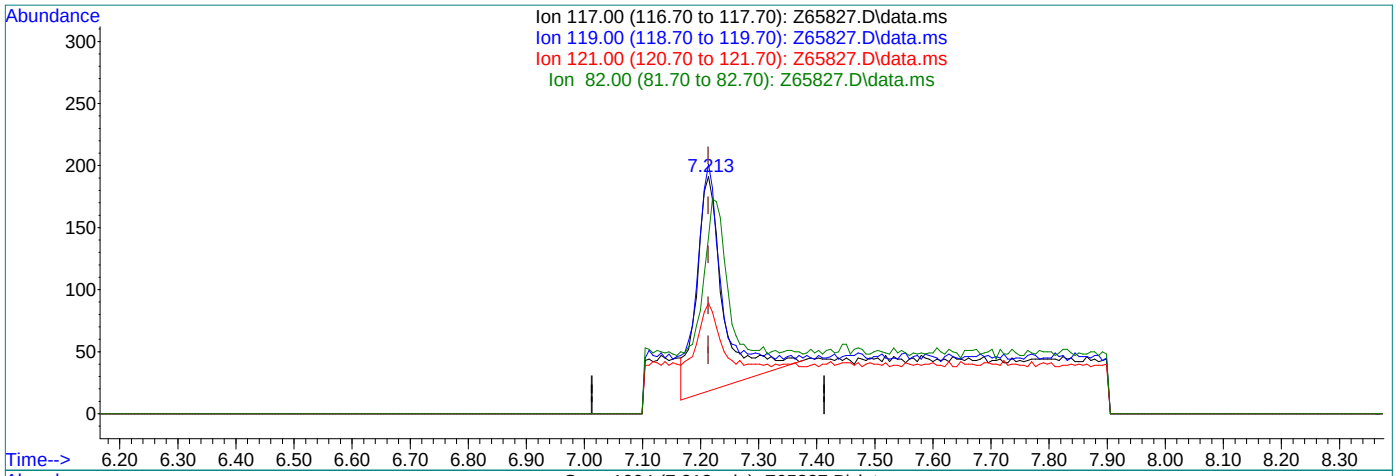
response 2110

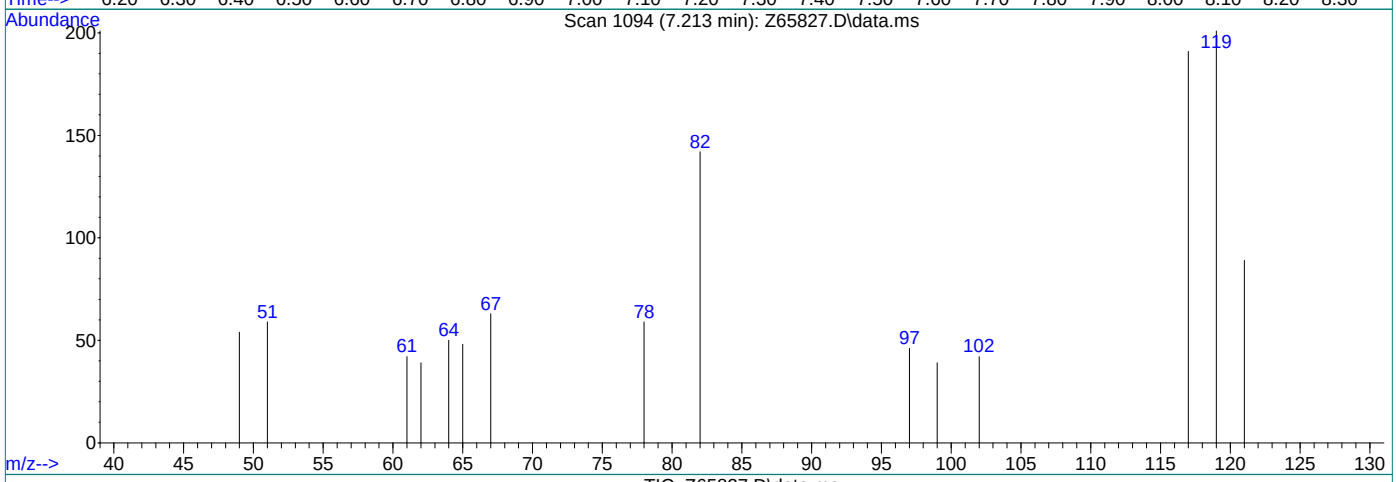
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.32
47.00	43.30	26.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65827.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.08ug/L

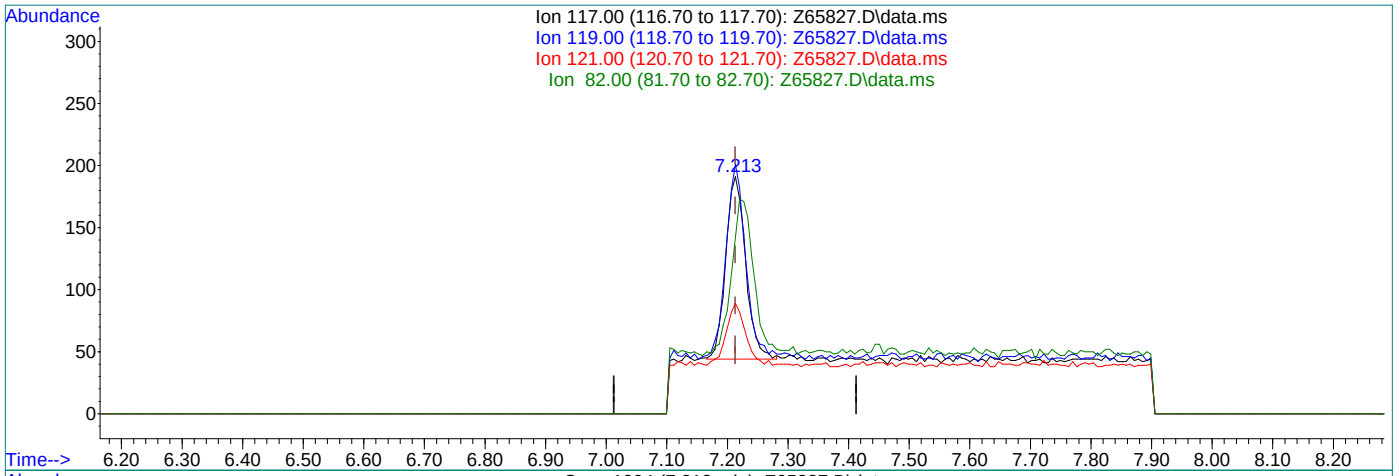
response 555

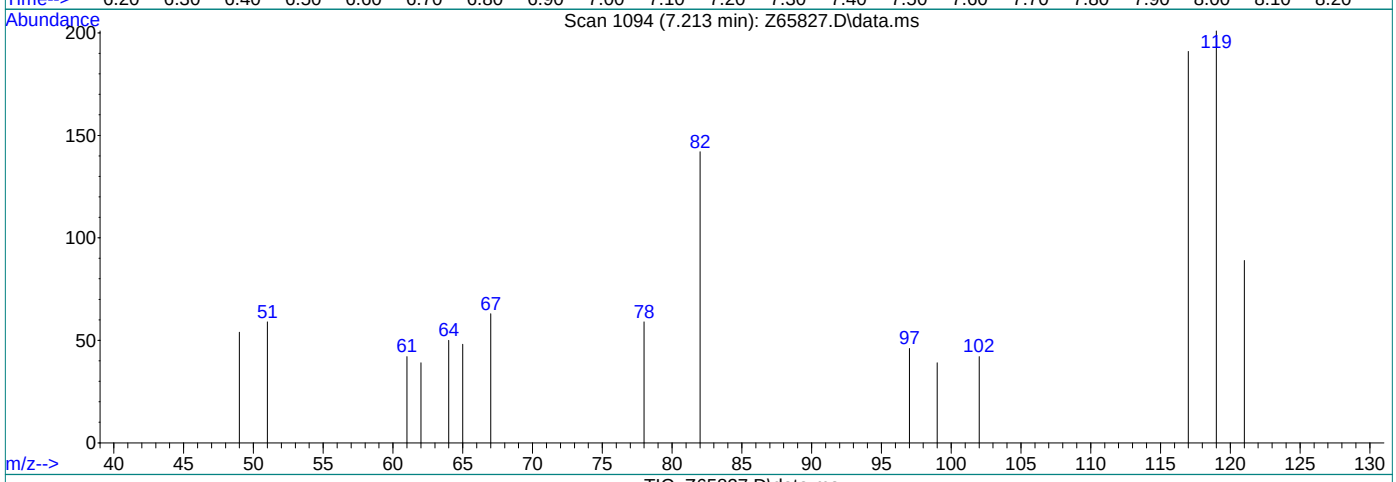
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	105.41
121.00	31.60	34.46
82.00	24.20	63.51#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65827.D
Acq On : 10 Sep 2021 11:24 am
Operator : CHARLENG
Sample : FA88755-1
Misc : MS49753,VZ2589,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:42:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65827.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.05ug/L m

response 337

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	105.24
121.00	31.60	46.60
82.00	24.20	74.35#

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:07:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

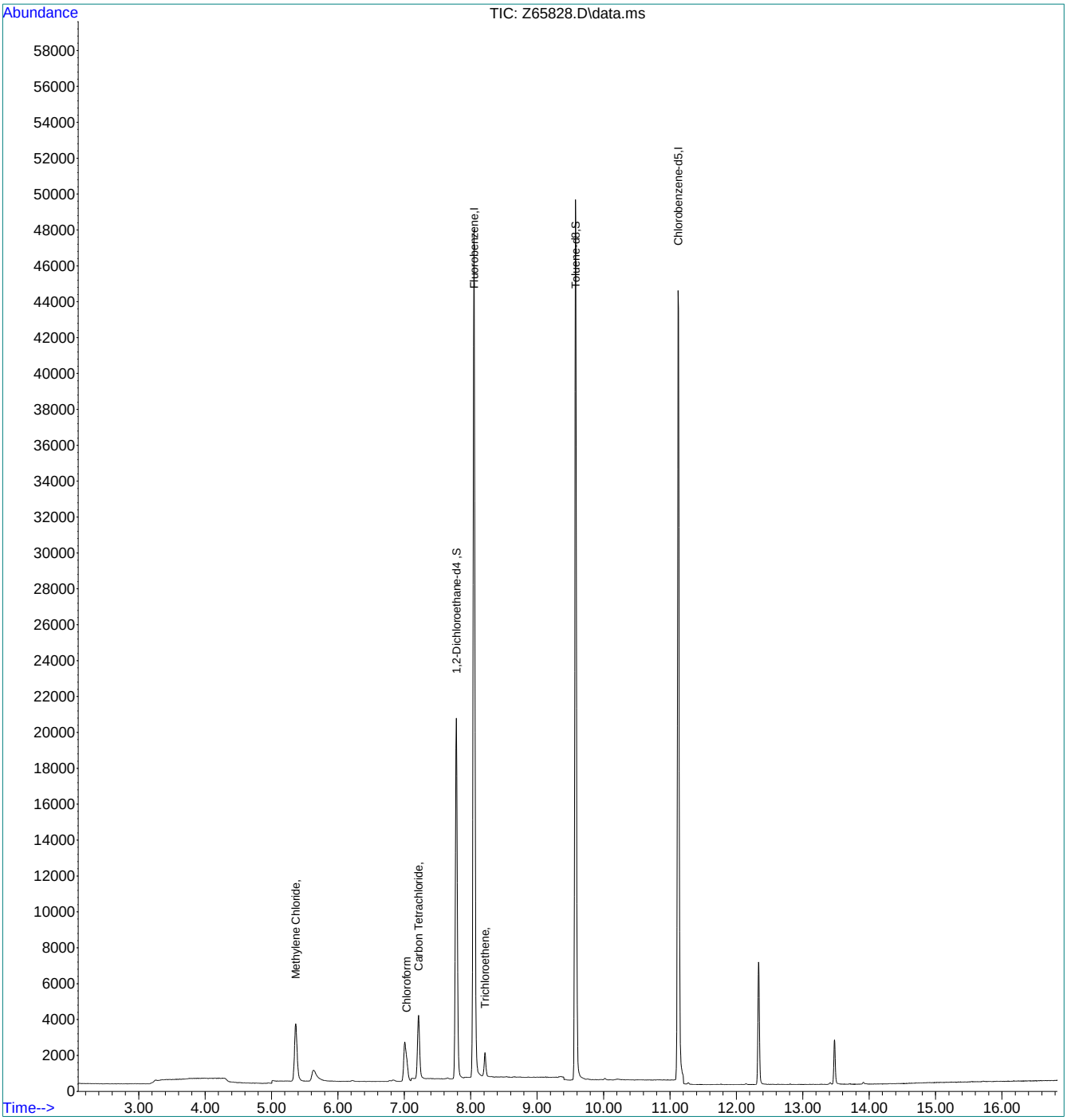
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57863	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44119	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19665	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	9.576	98	49577	4.65	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	3072	0.35	ug/L	# 59
9) Chloroform	7.034	83	1003m	0.10	ug/L	
10) Carbon Tetrachloride	7.214	117	2997m	0.44	ug/L	
15) Trichloroethene	8.214	95	621	0.12	ug/L	91

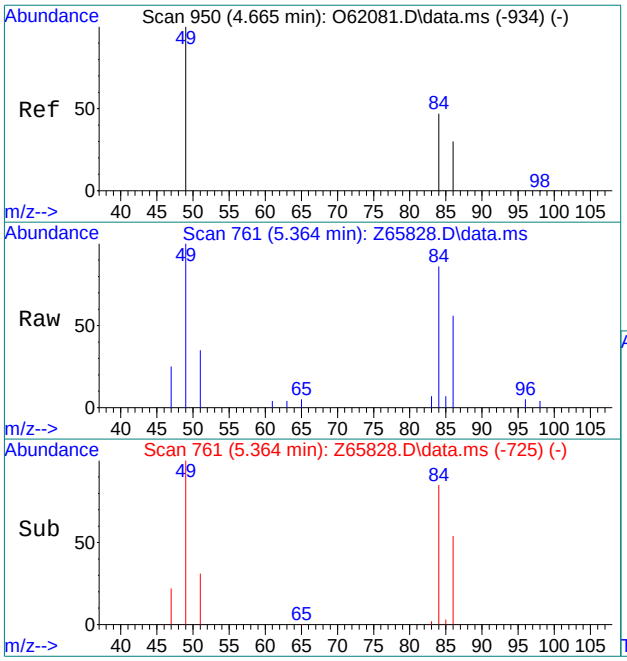
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:07:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

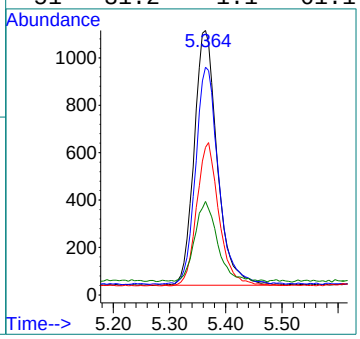


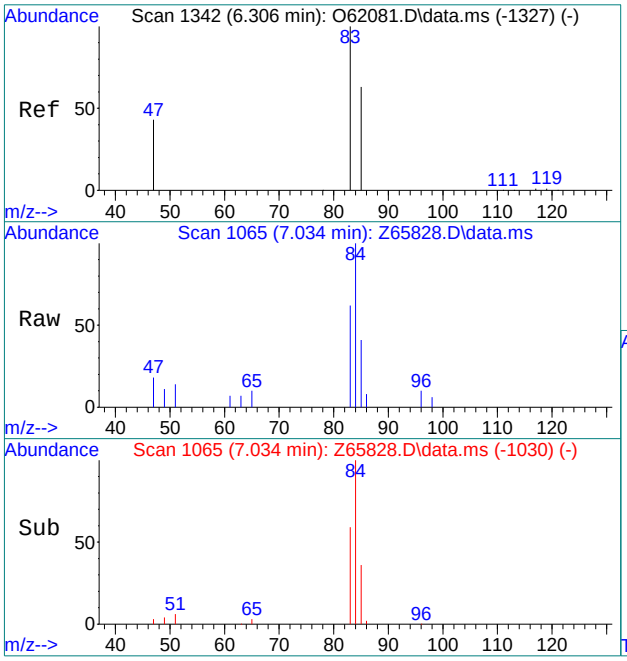


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65828.D
Acq: 10 Sep 2021 11:44 am

Tgt Ion: 49 Resp: 3072

Ion	Ratio	Lower	Upper
49	100		
84	85.0	13.9	73.9#
86	54.4	0.0	58.0
51	31.2	1.1	61.1

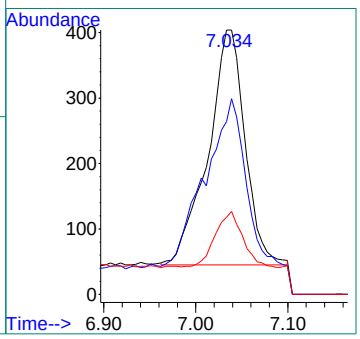


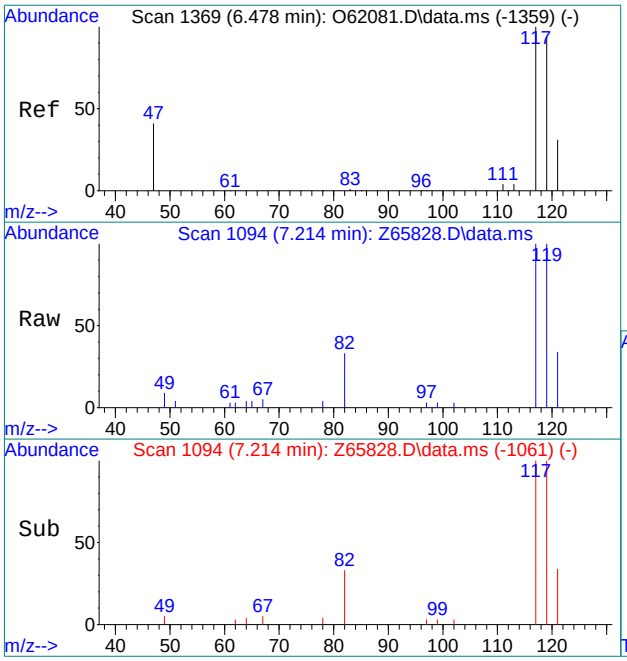


#9
Chloroform
Concen: 0.10 ug/L m
RT: 7.034 min Scan# 1065
Delta R.T. -0.005 min
Lab File: Z65828.D
Acq: 10 Sep 2021 11:44 am

Tgt Ion: 83 Resp: 1003

Ion	Ratio	Lower	Upper
83	100		
85	65.3	34.3	94.3
47	29.2	13.3	73.3

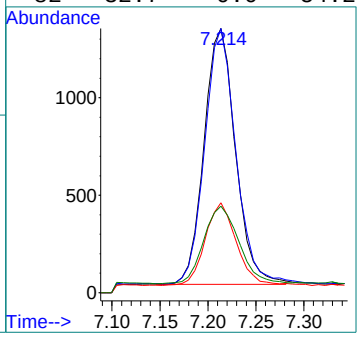


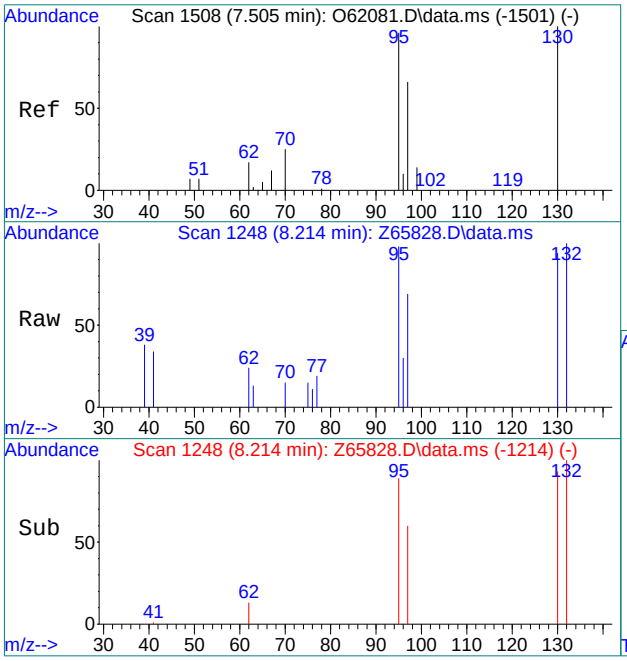


#10
Carbon Tetrachloride
Concen: 0.44 ug/L m
RT: 7.214 min Scan# 1094
Delta R.T. 0.001 min
Lab File: Z65828.D
Acq: 10 Sep 2021 11:44 am

Tgt Ion:117 Resp: 2997

Ion	Ratio	Lower	Upper
117	100		
119	100.0	64.8	124.8
121	34.1	1.6	61.6
82	32.7	0.0	54.2

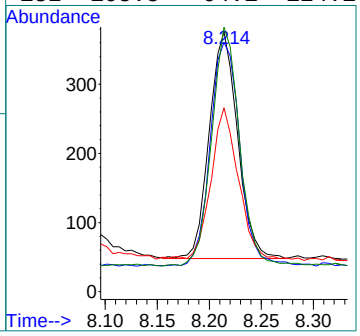




#15
Trichloroethene
Concen: 0.12 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. 0.000 min
Lab File: Z65828.D
Acq: 10 Sep 2021 11:44 am

Tgt Ion: 95 Resp: 621

Ion	Ratio	Lower	Upper
95	100		
130	98.5	58.7	118.7
97	66.2	35.1	95.1
132	105.5	64.1	124.1



Manual Integration Approval Summary

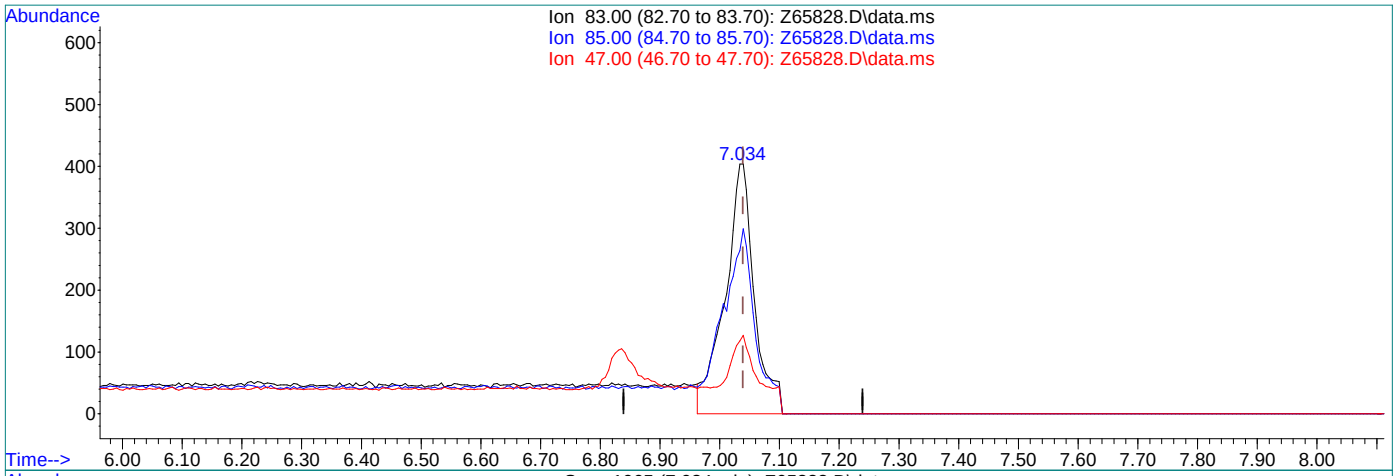
Sample Number: FA88755-2
Lab FileID: Z65828.D
Injection Time: 09/10/21 11:44
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:13 Charlene Gonzalez
Supervisor approved: 09/10/21 16:45 Sean Pioro

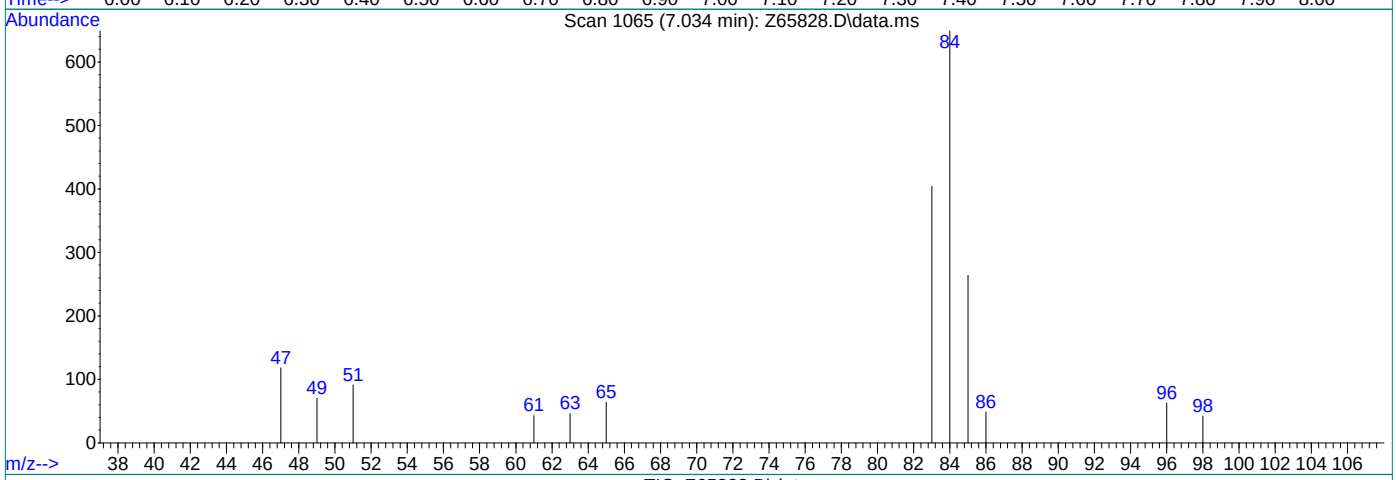
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:06:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65828.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.14ug/L

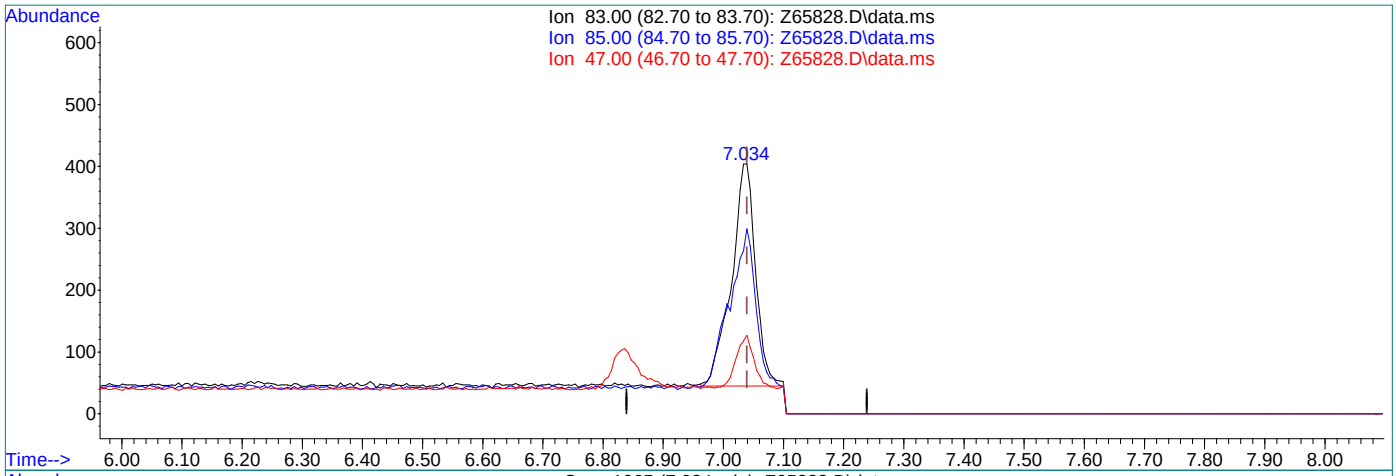
response 1385

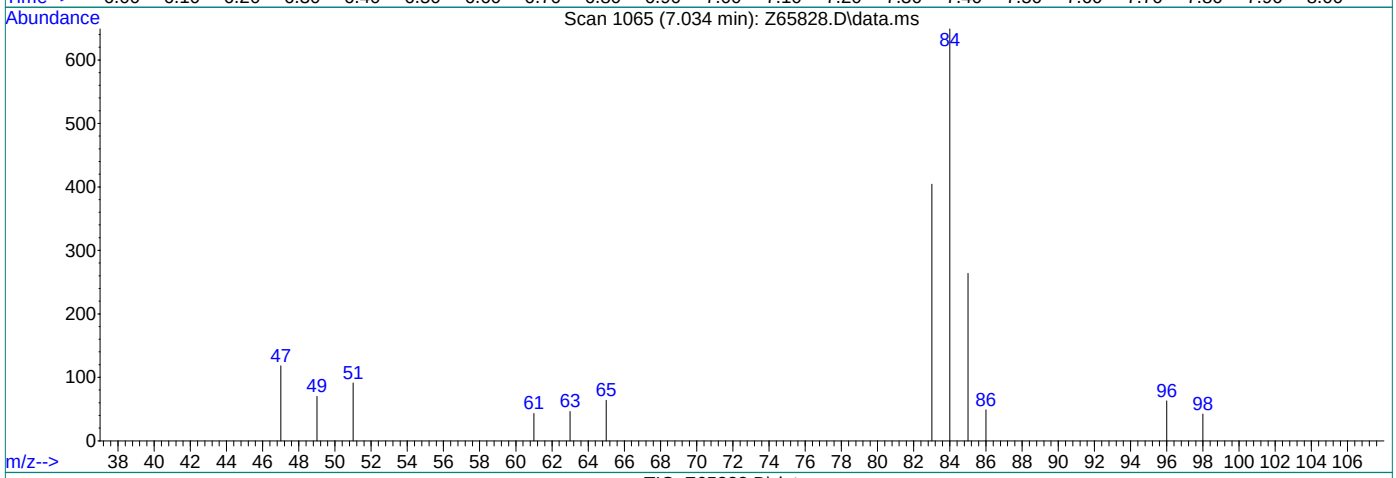
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	65.35
47.00	43.30	29.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:06:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65828.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.10ug/L m

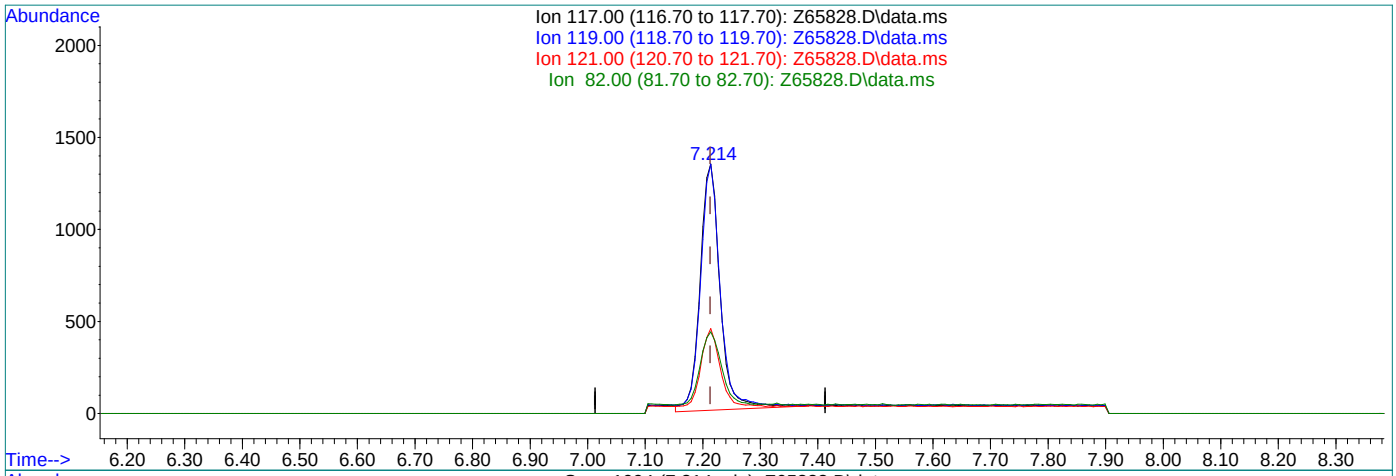
response 1003

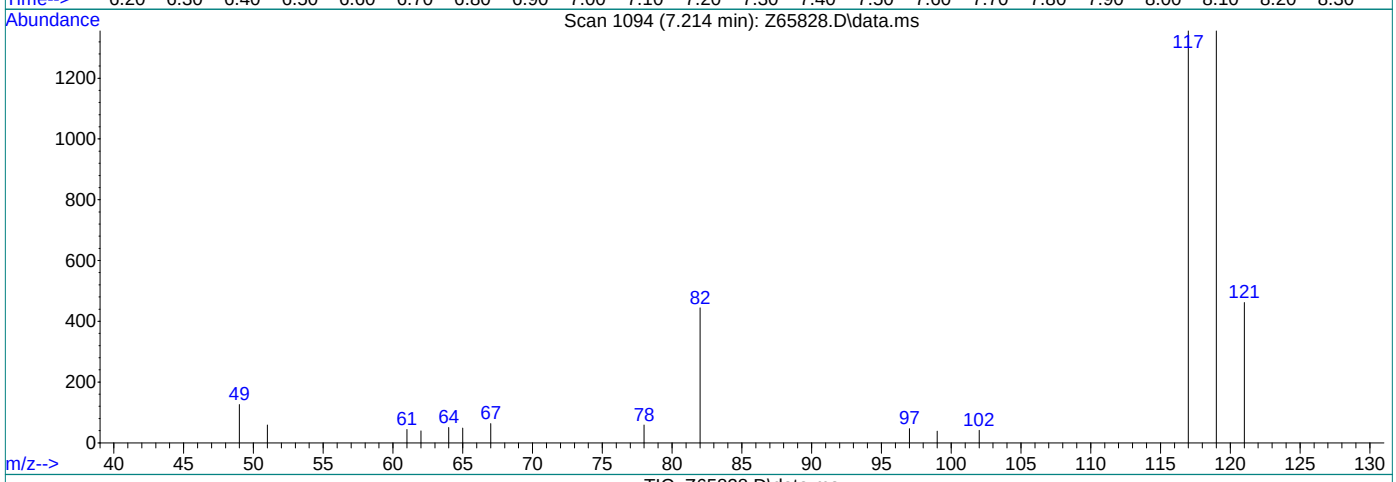
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	65.35
47.00	43.30	29.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:06:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65828.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.48ug/L

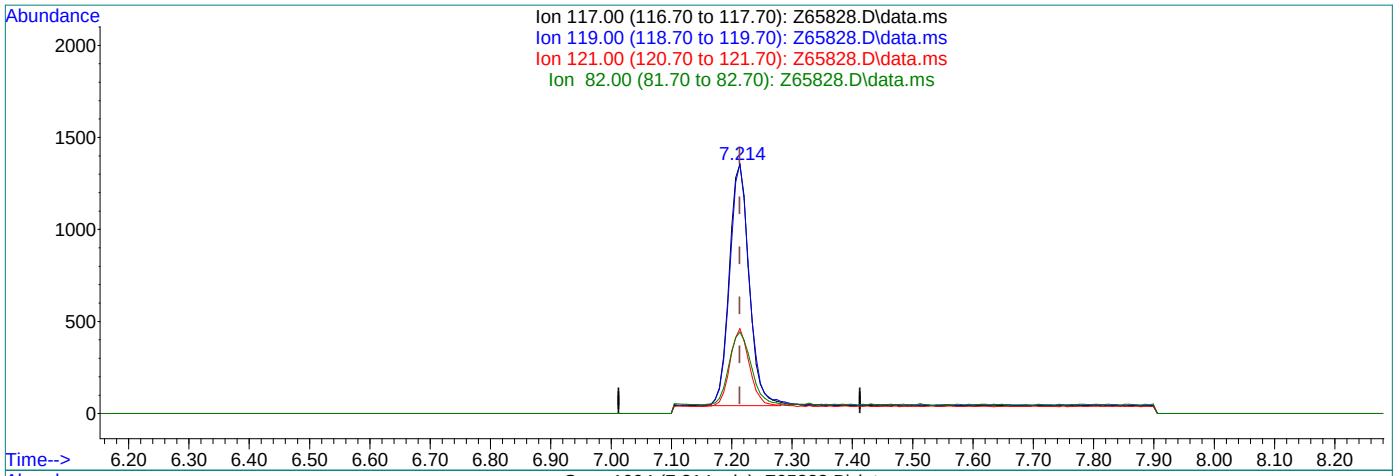
response 3261

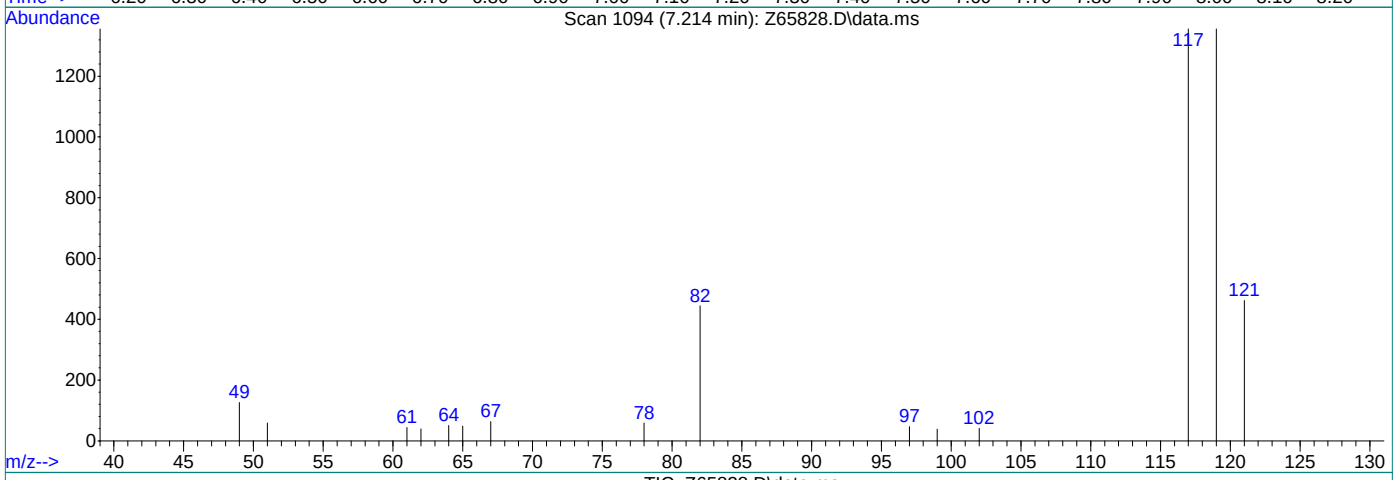
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	99.70
121.00	31.60	32.27
82.00	24.20	30.14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65828.D
Acq On : 10 Sep 2021 11:44 am
Operator : CHARLENG
Sample : FA88755-2
Misc : MS49753,VZ2589,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 12:06:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65828.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.44ug/L m

response 2997

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	100.00
121.00	31.60	34.07
82.00	24.20	32.74

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:24:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

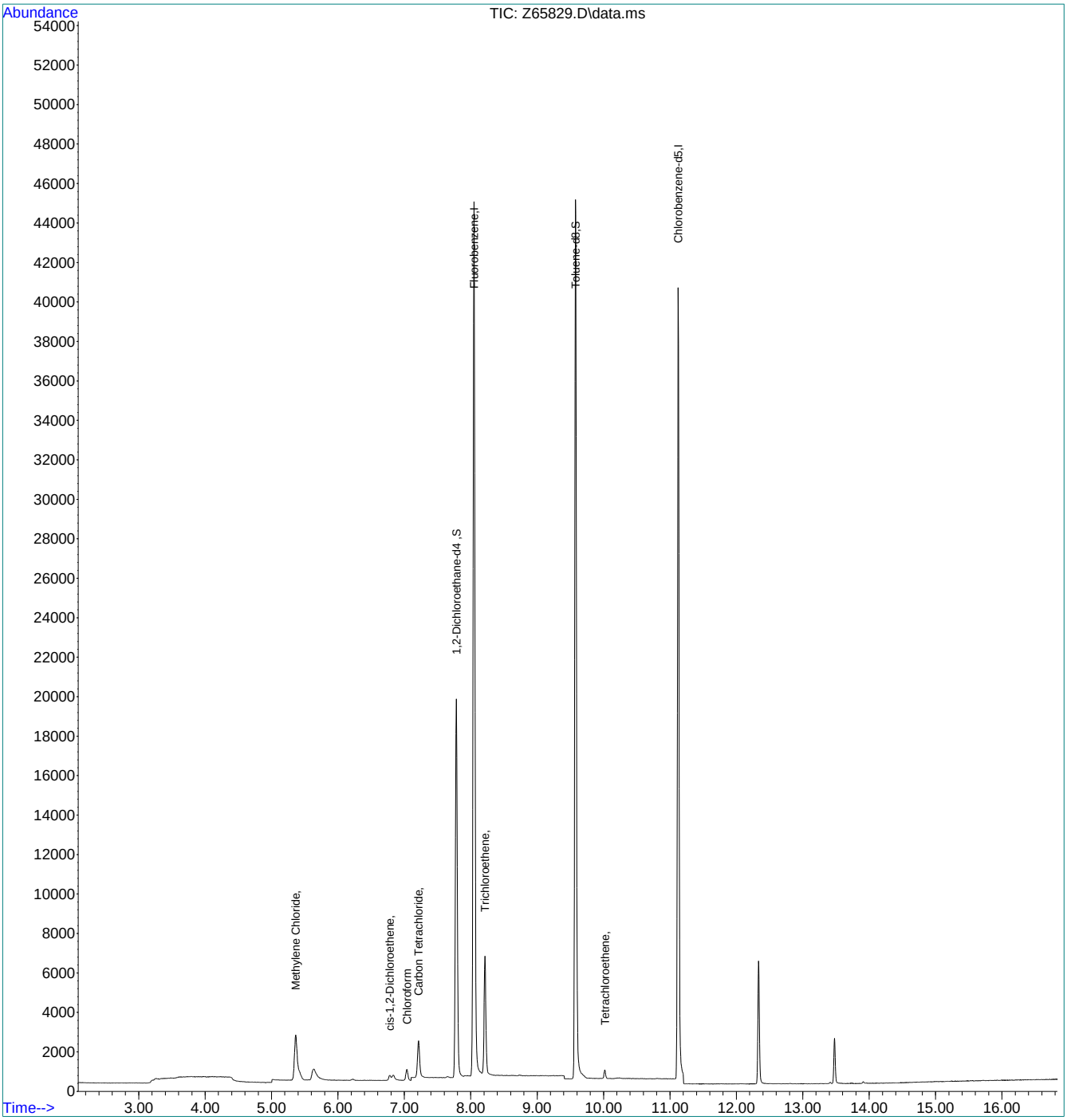
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55127	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41214	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	18931	5.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.60%			
19) Toluene-d8	9.577	98	46761	4.69	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	2589	0.31	ug/L #	56
8) cis-1,2-Dichloroethene	6.781	96	209	0.04	ug/L #	64
9) Chloroform	7.039	83	624m	0.06	ug/L	
10) Carbon Tetrachloride	7.213	117	1577m	0.24	ug/L	
15) Trichloroethene	8.214	95	2851	0.55	ug/L	92
21) Tetrachloroethene	10.022	166	217	0.04	ug/L #	95

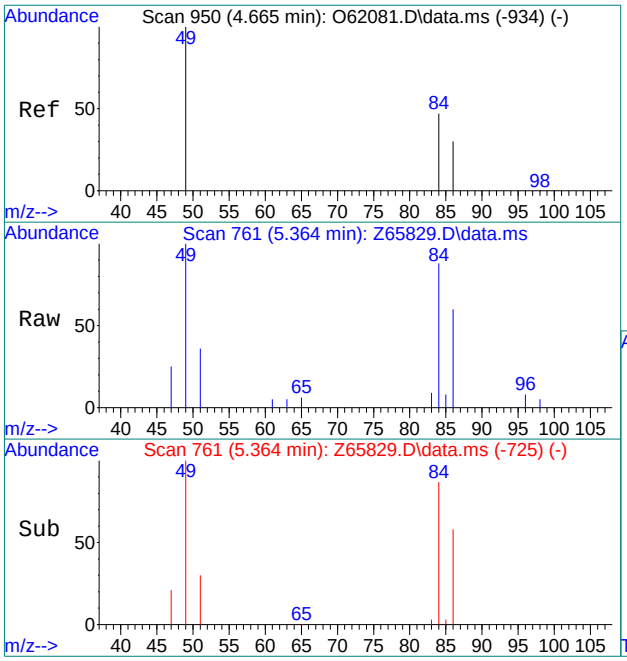
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:24:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

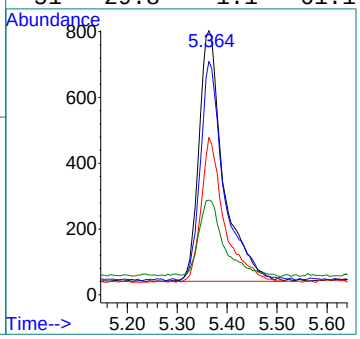


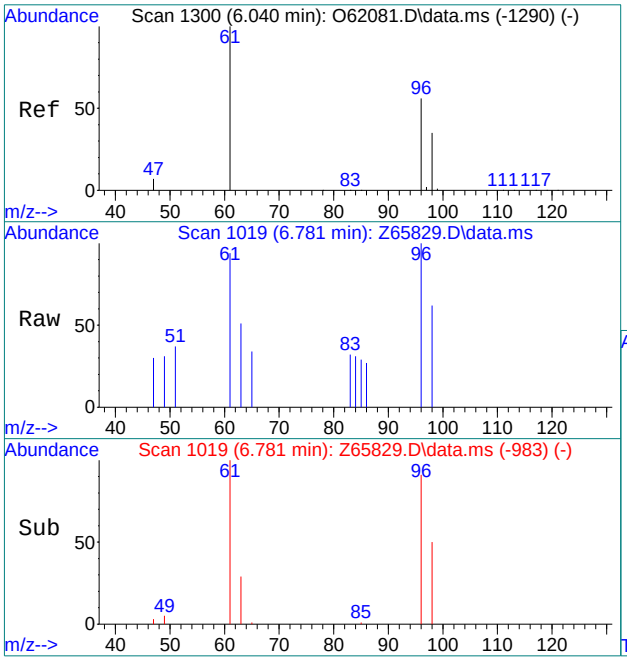


#5
Methylene Chloride
Concen: 0.31 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion: 49 Resp: 2589

Ion	Ratio	Lower	Upper
49	100		
84	86.8	13.9	73.9#
86	57.5	0.0	58.0
51	29.8	1.1	61.1

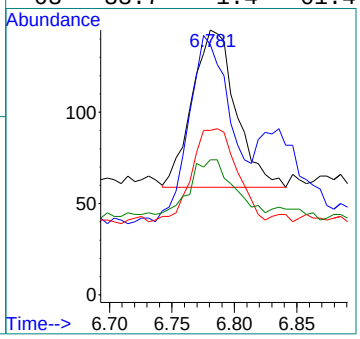


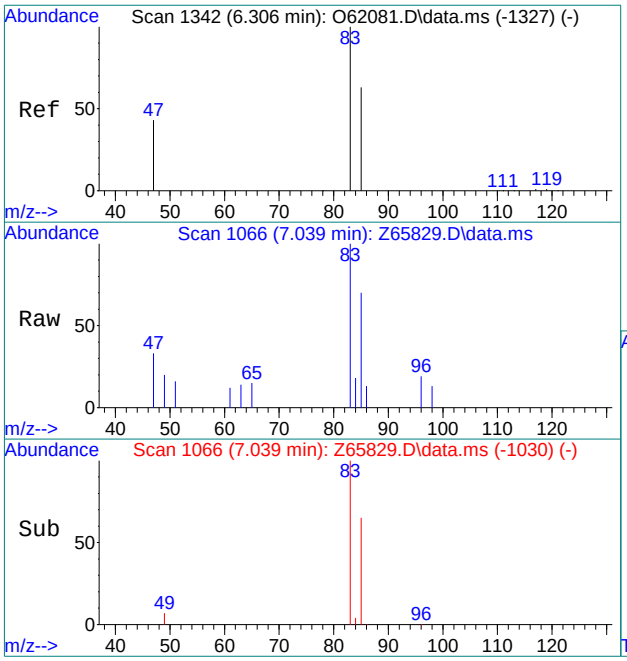


#8
cis-1,2-Dichloroethene
Concen: 0.04 ug/L
RT: 6.781 min Scan# 1019
Delta R.T. -0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion: 96 Resp: 209

Ion	Ratio	Lower	Upper
96	100		
61	105.8	147.2	207.2#
98	54.7	33.1	93.1
63	33.7	1.4	61.4

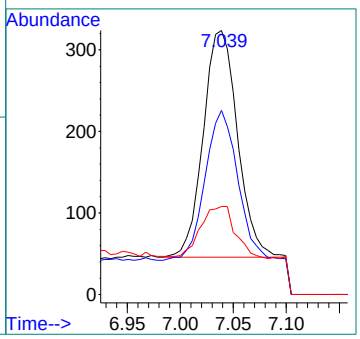


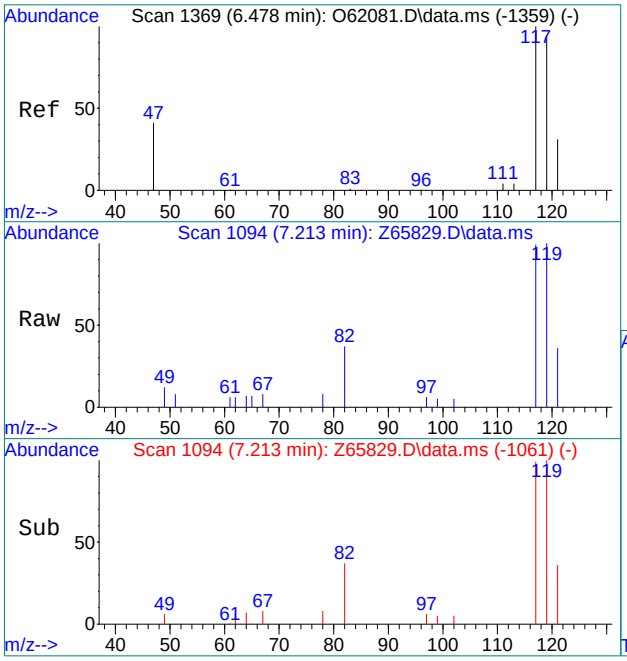


#9
Chloroform
Concen: 0.06 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion: 83 Resp: 624

Ion	Ratio	Lower	Upper
83	100		
85	69.8	34.3	94.3
47	33.3	13.3	73.3

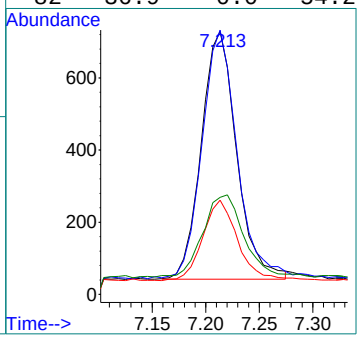


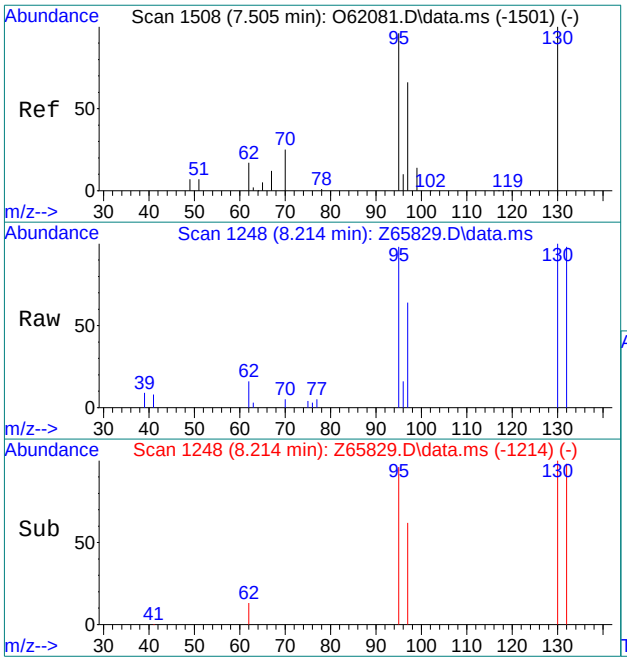


#10
Carbon Tetrachloride
Concen: 0.24 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion:117 Resp: 1577

Ion	Ratio	Lower	Upper
117	100		
119	100.5	64.8	124.8
121	35.8	1.6	61.6
82	36.9	0.0	54.2

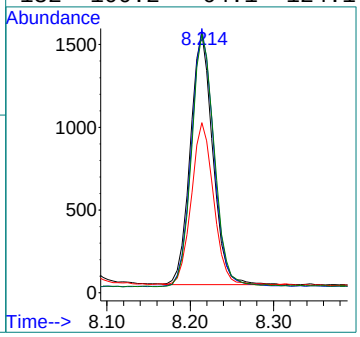


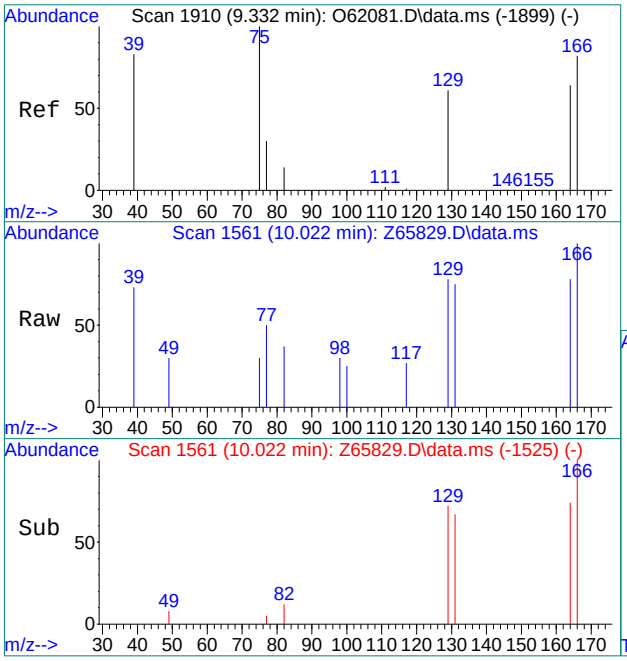


#15
Trichloroethene
Concen: 0.55 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. -0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion: 95 Resp: 2851

Ion	Ratio	Lower	Upper
95	100		
130	102.5	58.7	118.7
97	64.0	35.1	95.1
132	100.2	64.1	124.1

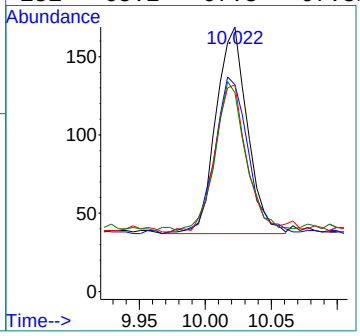




#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65829.D
Acq: 10 Sep 2021 12:05 pm

Tgt Ion:166 Resp: 217

Ion	Ratio	Lower	Upper
166	100		
164	72.0	46.5	106.5
129	71.2	36.5	96.5
131	65.2	67.3	67.3#



Manual Integration Approval Summary

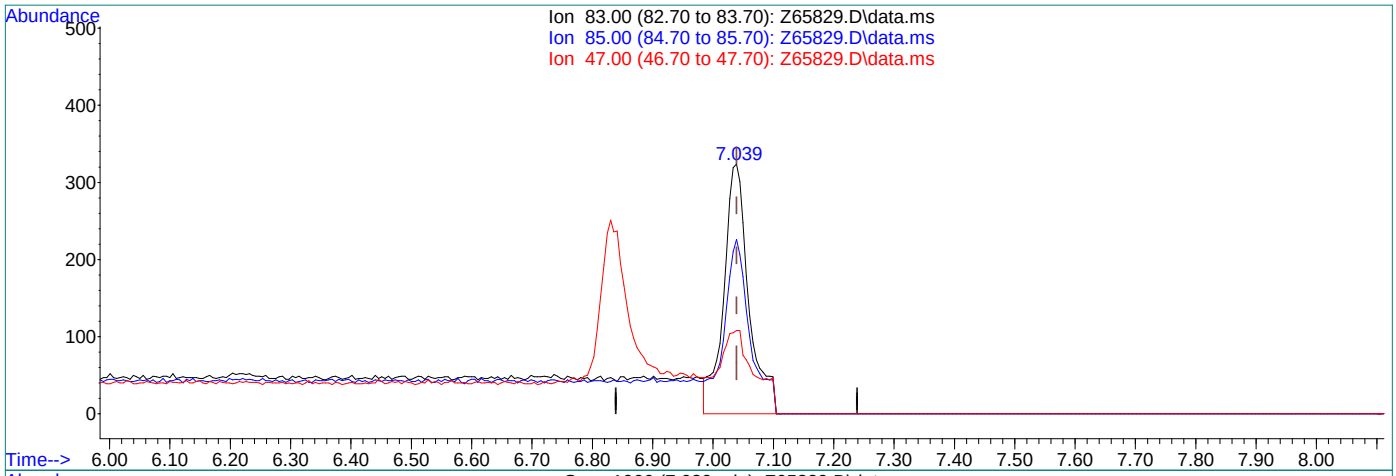
Sample Number: FA88755-3
Lab FileID: Z65829.D
Injection Time: 09/10/21 12:05
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:13 Charlene Gonzalez
Supervisor approved: 09/10/21 16:45 Sean Pioro

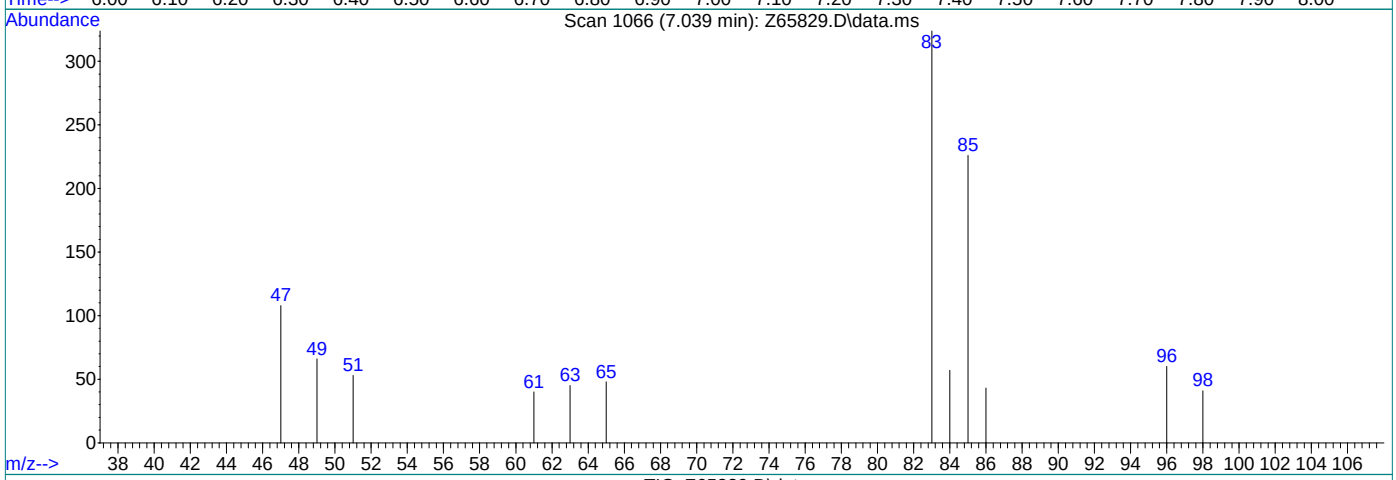
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:23:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65829.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.10ug/L

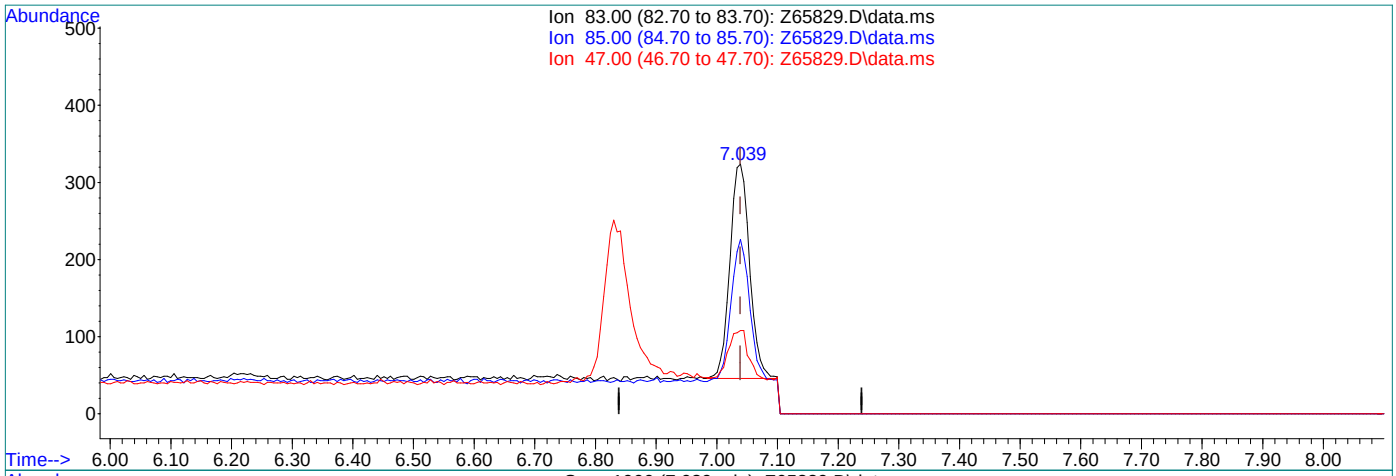
response 952

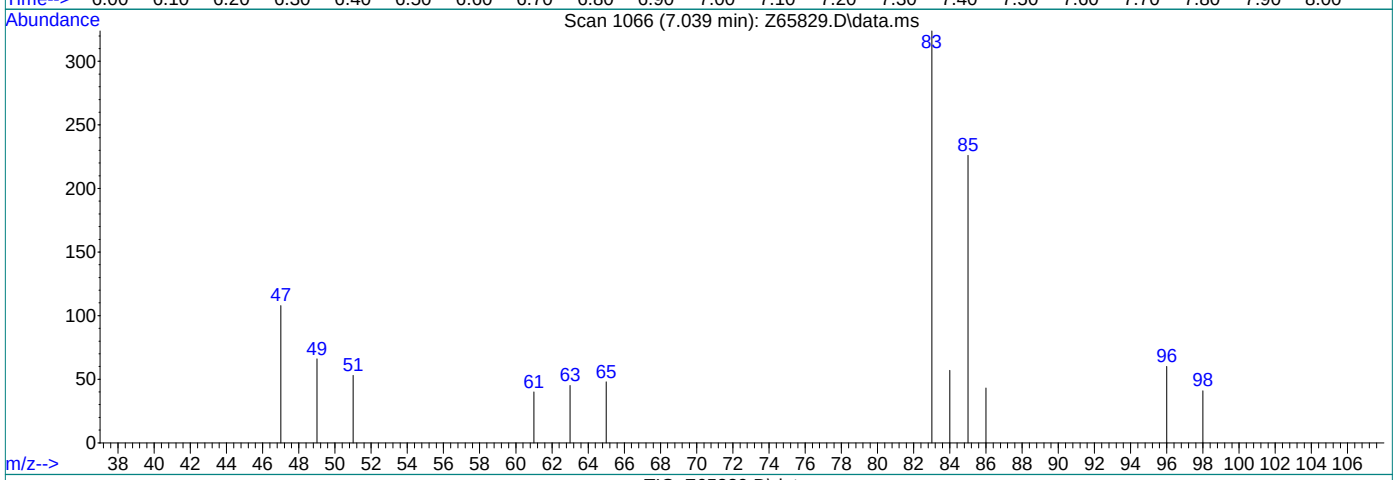
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.75
47.00	43.30	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:23:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65829.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.06ug/L m

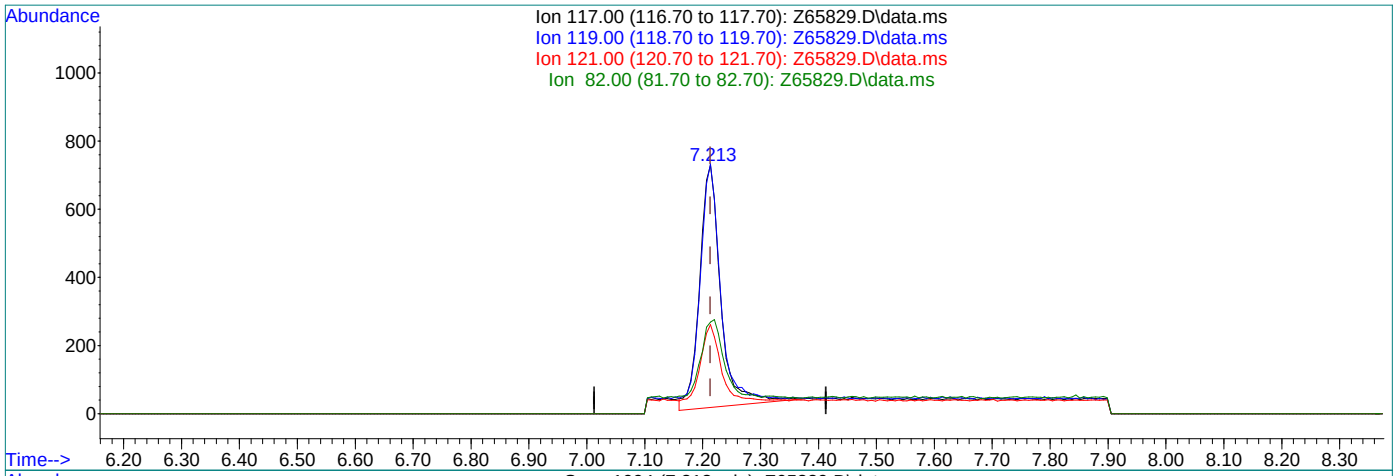
response 624

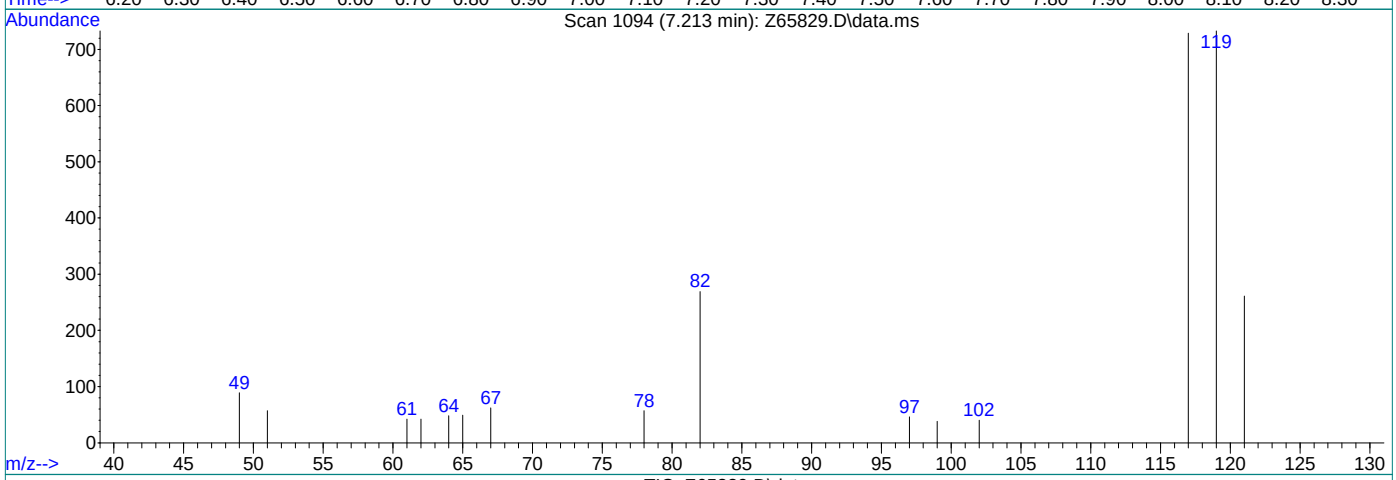
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.75
47.00	43.30	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:23:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65829.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.28ug/L

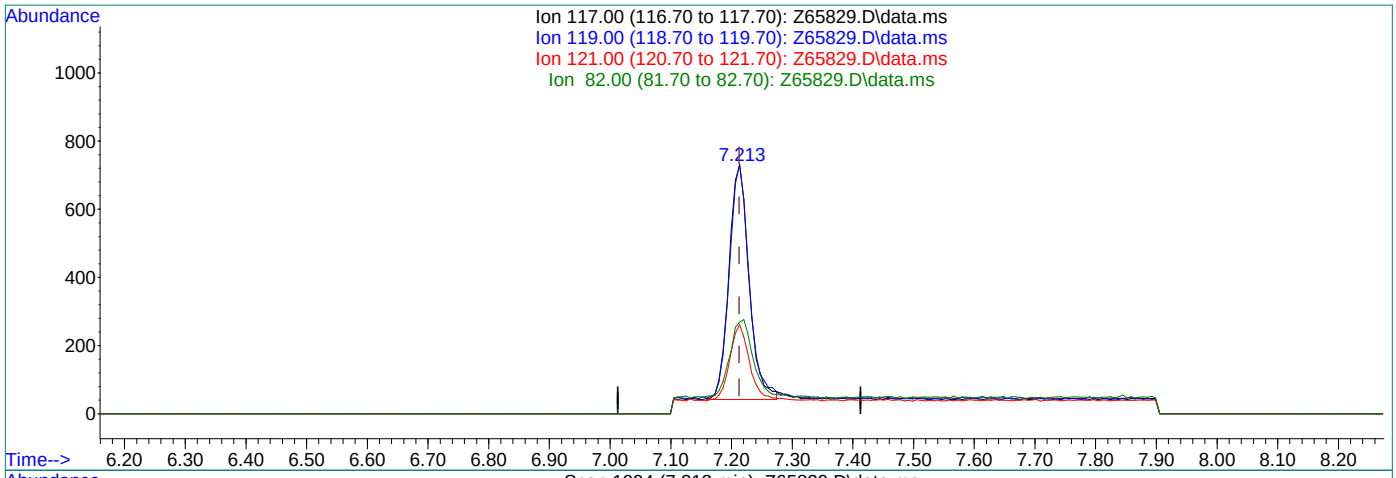
response 1804

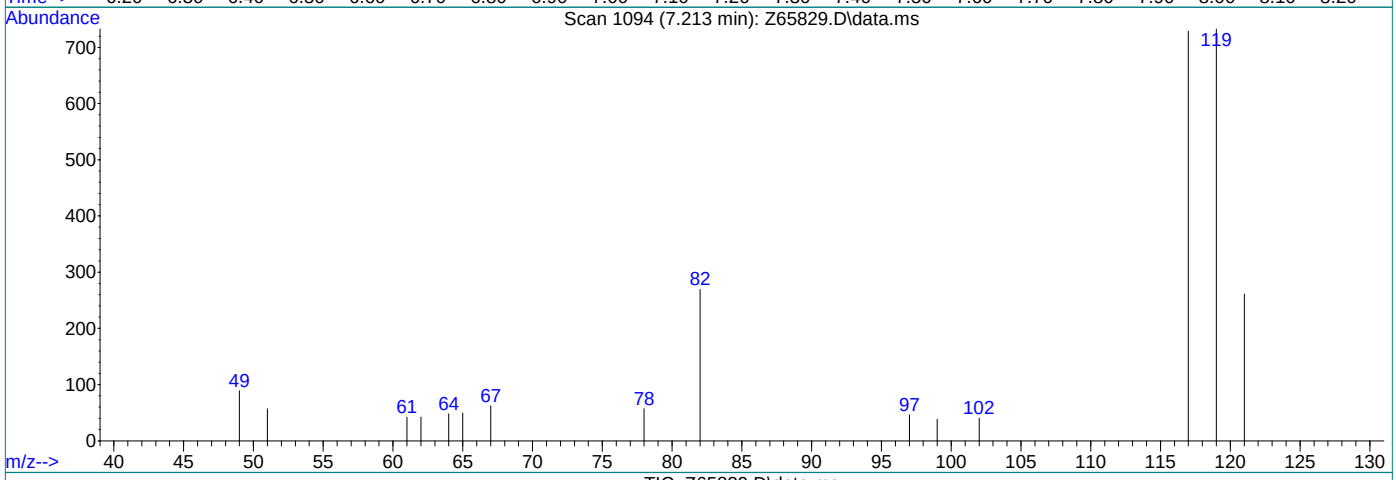
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	100.44
121.00	31.60	32.55
82.00	24.20	32.41

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65829.D
Acq On : 10 Sep 2021 12:05 pm
Operator : CHARLENG
Sample : FA88755-3
Misc : MS49753,VZ2589,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 12:23:31 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65829.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.24ug/L m

response 1577

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	100.55
121.00	31.60	35.80
82.00	24.20	36.90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65087.D
Acq On : 10 Sep 2021 4:37 pm
Operator : charleng
Sample : FA88755-4 Inst : MSVOA12
Misc : MS49753,VO2553,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 09:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

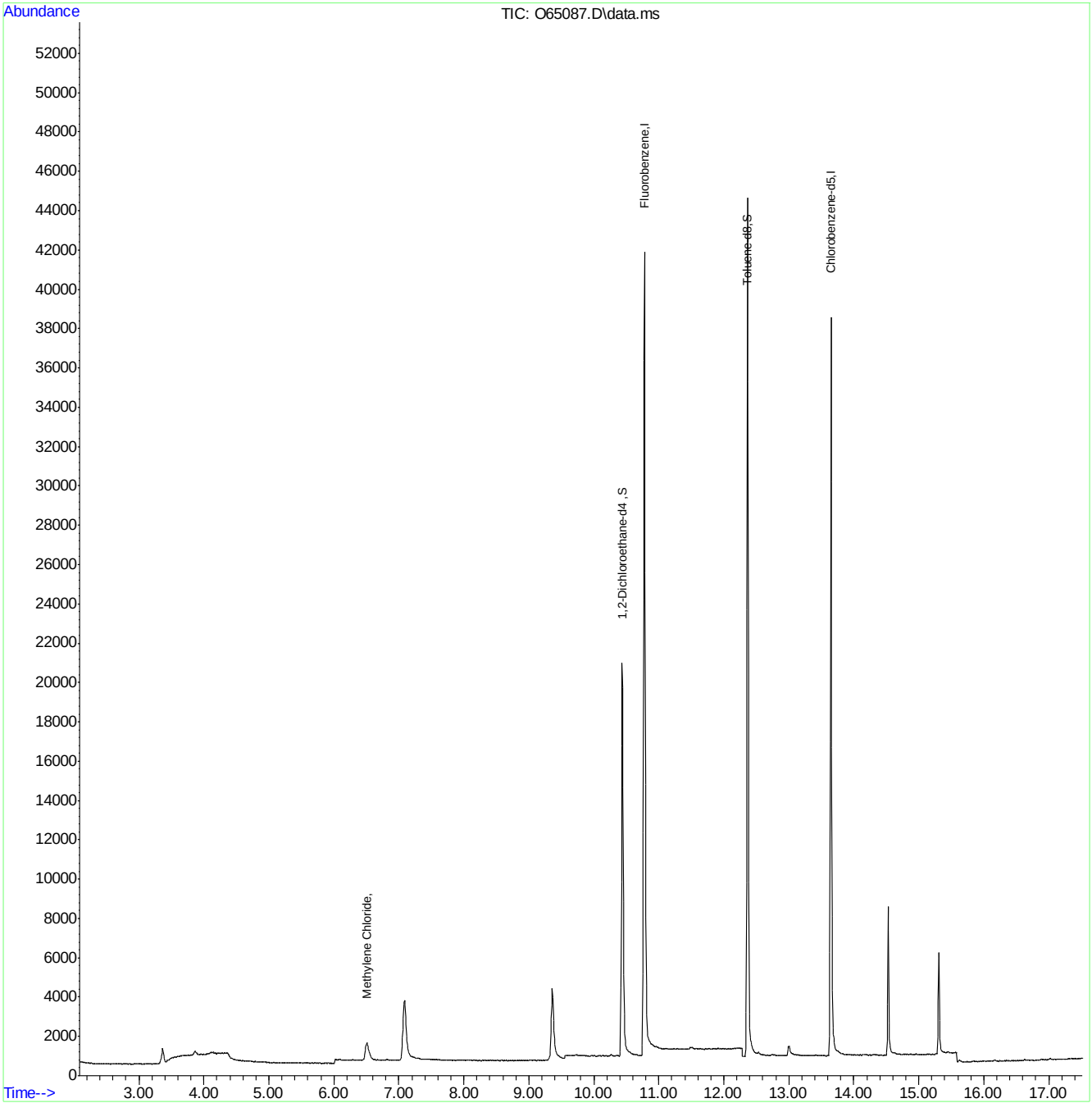
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47318	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	32192	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19427	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	12.367	98	38756	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.501	49	1404	0.14	ug/L	89

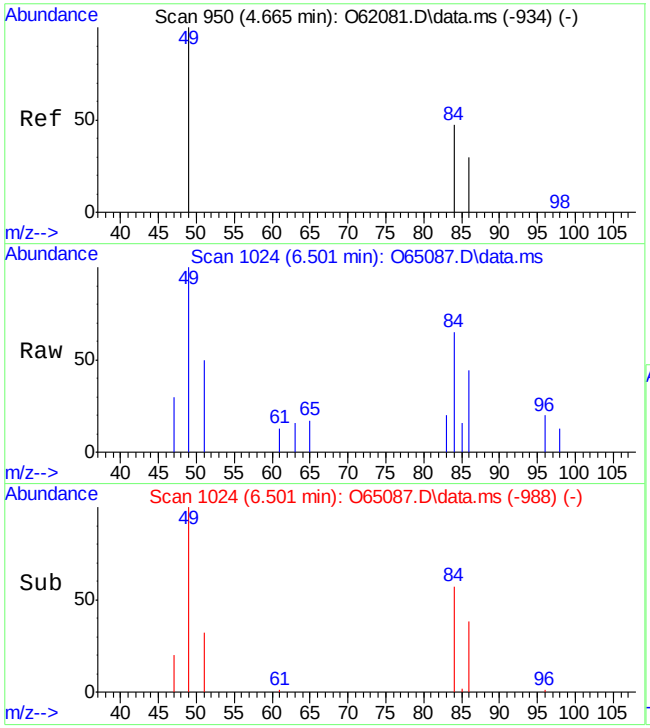
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65087.D
Acq On : 10 Sep 2021 4:37 pm
Operator : charleng
Sample : FA88755-4 Inst : MSVOA12
Misc : MS49753,VO2553,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 09:31:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

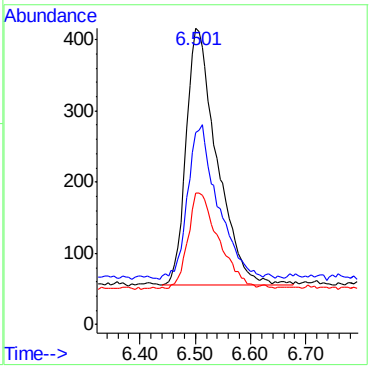




#5
Methylene Chloride
Concen: 0.14 ug/L
RT: 6.501 min Scan# 1024
Delta R.T. -0.000 min
Lab File: O65087.D
Acq: 10 Sep 2021 4:37 pm

Tgt Ion: 49 Resp: 1404

Ion	Ratio	Lower	Upper
49	100		
84	56.0	35.5	95.5
86	36.6	12.8	72.8



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	52349	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40357	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18164	5.14	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.80%			
19) Toluene-d8	9.576	98	45395	4.65	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	2549	0.32	ug/L #	61
7) 1,1-Dichloroethane	6.226	63	292	0.04	ug/L	95
8) cis-1,2-Dichloroethene	6.786	96	2139	0.43	ug/L #	71
9) Chloroform	7.039	83	1720m	0.19	ug/L	
10) Carbon Tetrachloride	7.214	117	1031m	0.17	ug/L	
15) Trichloroethene	8.214	95	12512	2.56	ug/L	92
16) 1,2-Dichloropropane	8.742	63	120	0.03	ug/L	91
21) Tetrachloroethene	10.022	166	2182	0.45	ug/L #	97

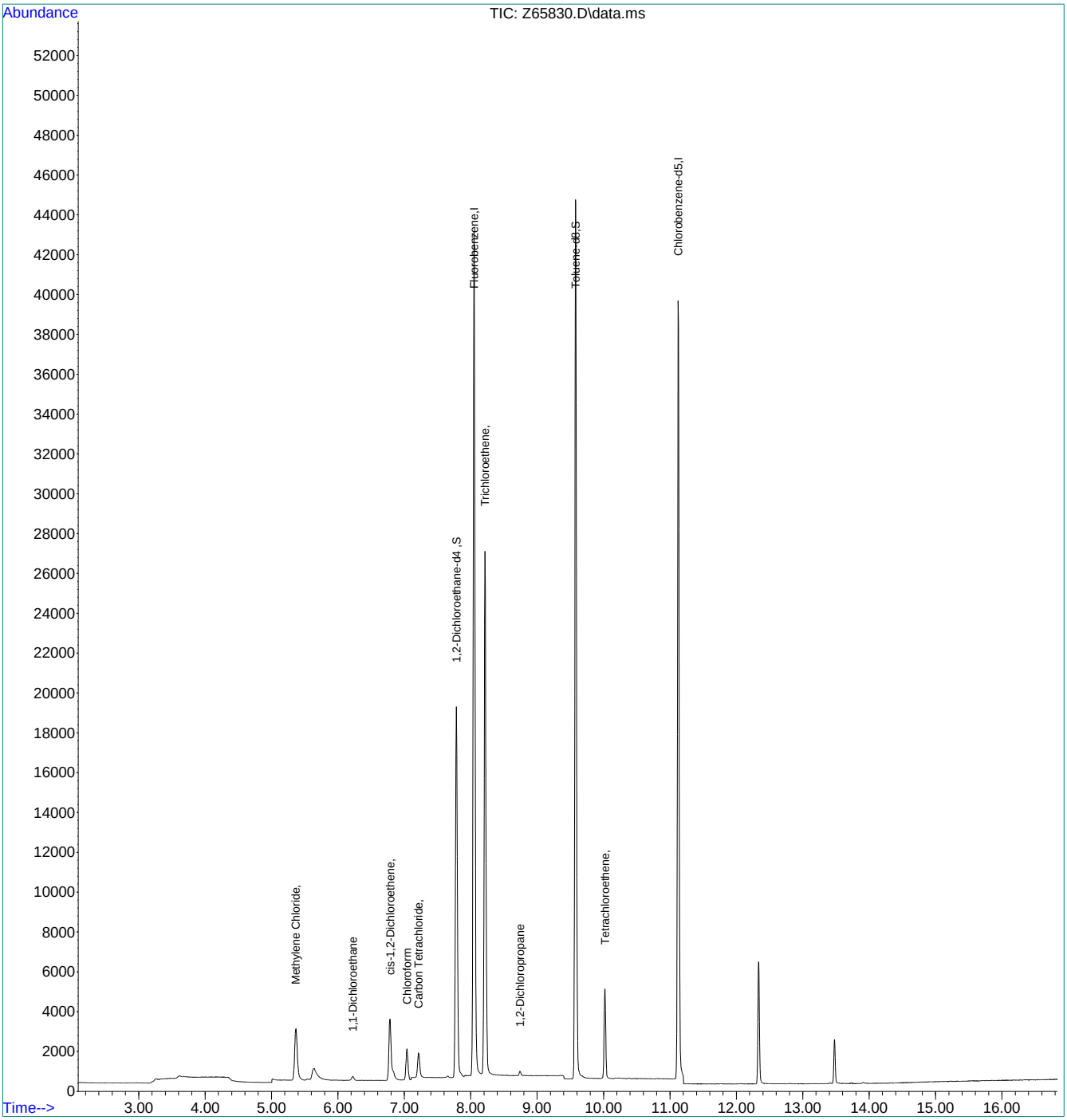
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.5
7

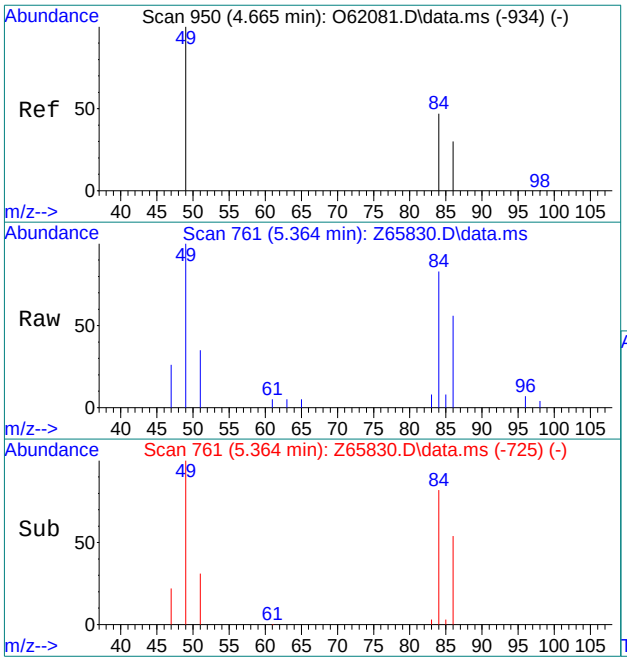
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



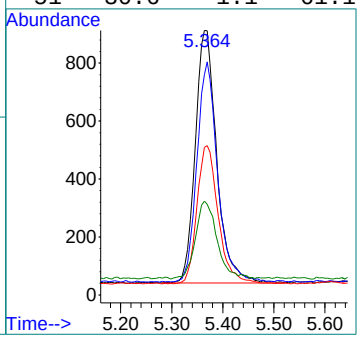
SIMCL-09-07-2021.M Fri Sep 10 13:03:30 2021 Page: 2

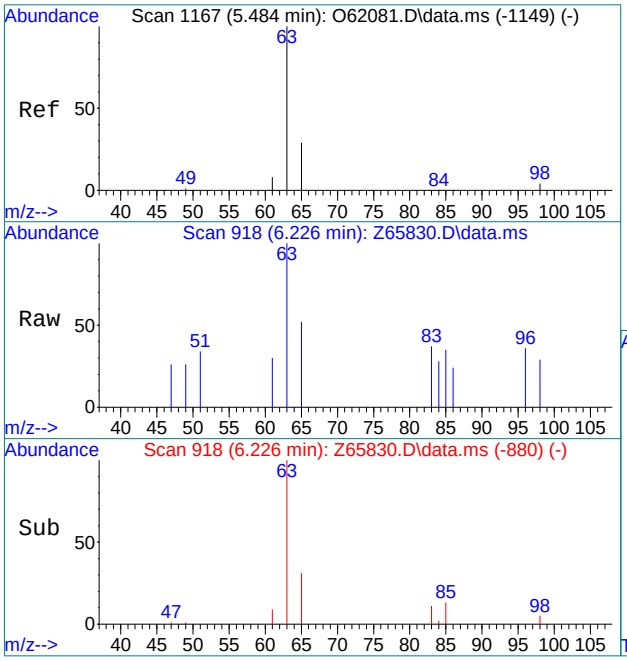


#5
Methylene Chloride
Concen: 0.32 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 49 Resp: 2549

Ion	Ratio	Lower	Upper
49	100		
84	81.9	13.9	73.9#
86	54.0	0.0	58.0
51	30.6	1.1	61.1

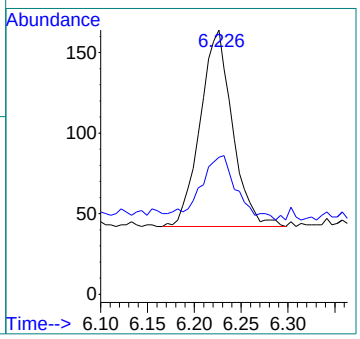


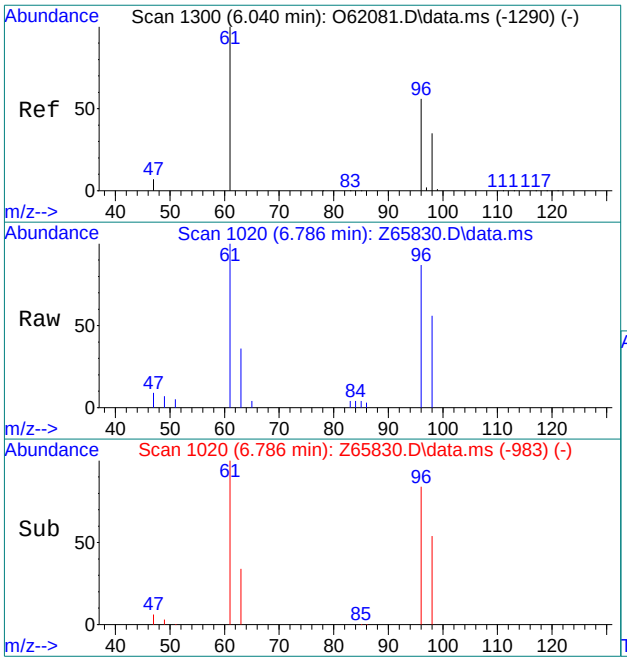


#7
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 6.226 min Scan# 918
Delta R.T. 0.006 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 63 Resp: 292

Ion	Ratio	Lower	Upper
63	100		
65	32.0	0.0	59.4

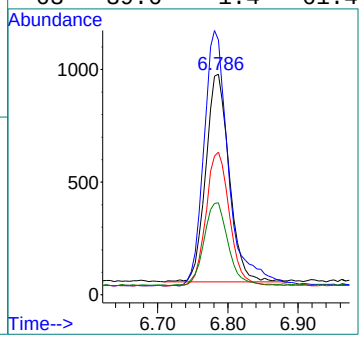


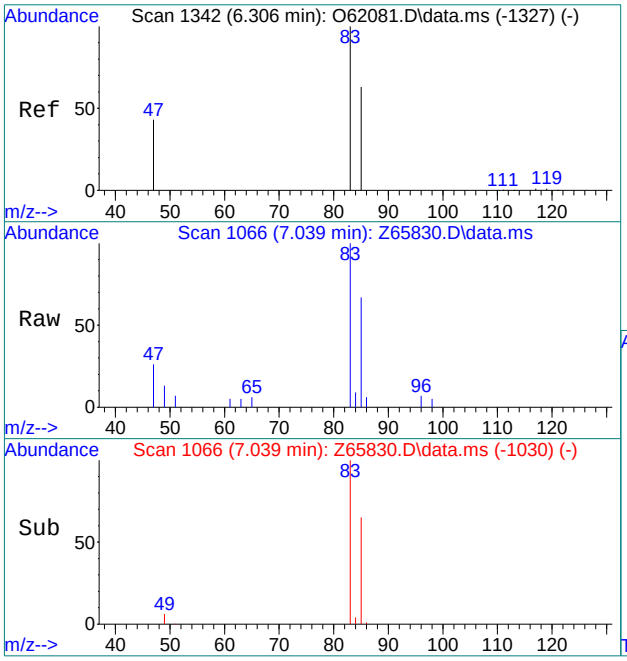


#8
cis-1,2-Dichloroethene
Concen: 0.43 ug/L
RT: 6.786 min Scan# 1020
Delta R.T. 0.005 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 96 Resp: 2139

Ion	Ratio	Lower	Upper
96	100		
61	118.6	147.2	207.2#
98	64.4	33.1	93.1
63	39.6	1.4	61.4

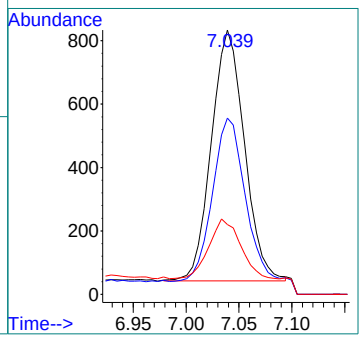


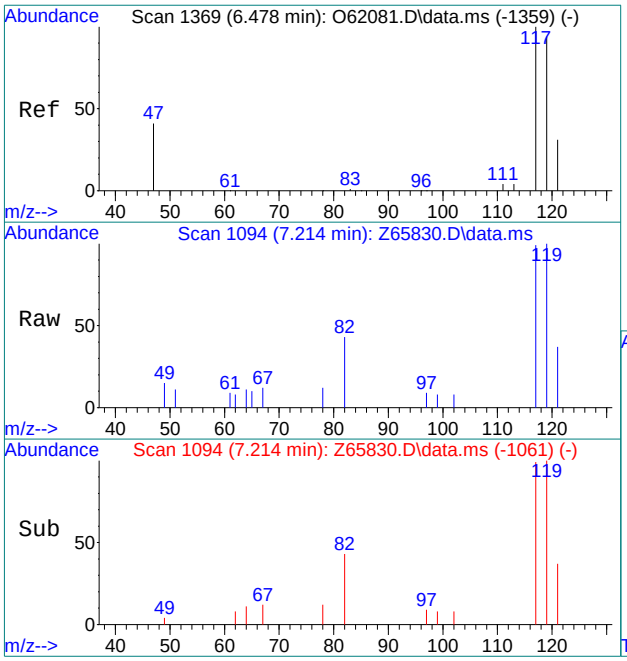


#9
Chloroform
Concen: 0.19 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. 0.000 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 83 Resp: 1720

Ion	Ratio	Lower	Upper
83	100		
85	66.7	34.3	94.3
47	26.4	13.3	73.3

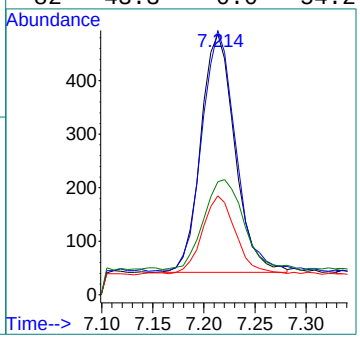


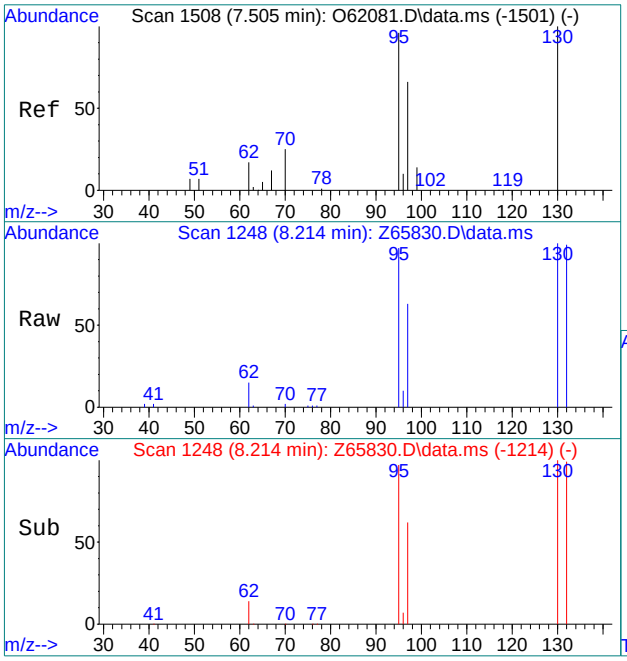


#10
Carbon Tetrachloride
Concen: 0.17 ug/L m
RT: 7.214 min Scan# 1094
Delta R.T. 0.001 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion:117 Resp: 1031

Ion	Ratio	Lower	Upper
117	100		
119	101.4	64.8	124.8
121	38.0	1.6	61.6
82	43.3	0.0	54.2

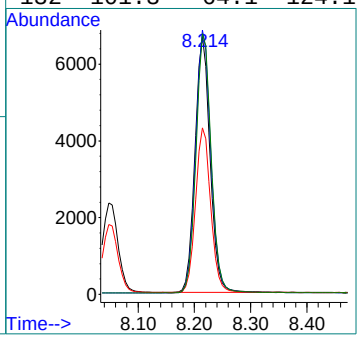


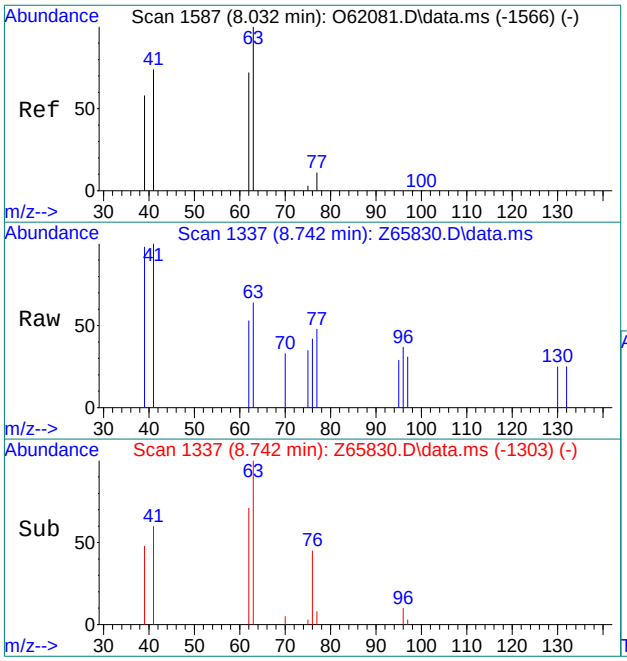


#15
Trichloroethene
Concen: 2.56 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. 0.000 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 95 Resp: 12512

Ion	Ratio	Lower	Upper
95	100		
130	102.8	58.7	118.7
97	64.3	35.1	95.1
132	101.3	64.1	124.1

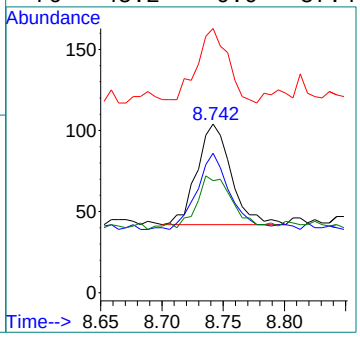


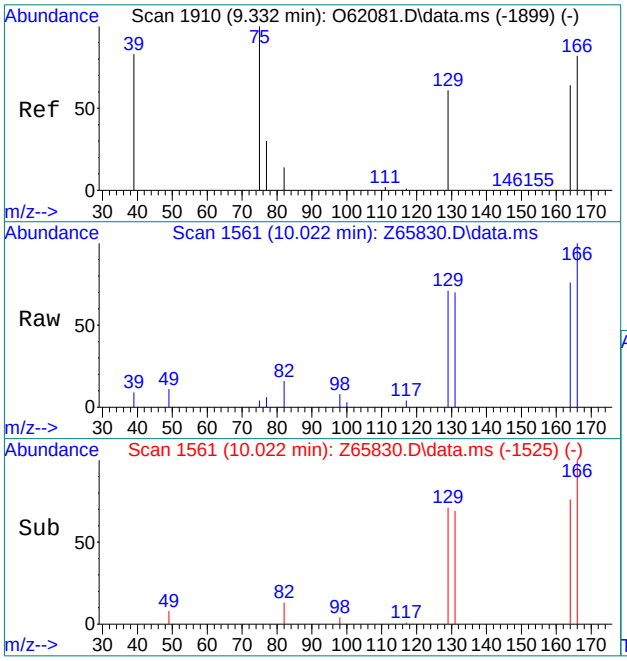


#16
1,2-Dichloropropane
Concen: 0.03 ug/L
RT: 8.742 min Scan# 1337
Delta R.T. -0.000 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion: 63 Resp: 120

Ion	Ratio	Lower	Upper
63	100		
62	74.2	41.3	101.3
41	71.0	46.2	106.2
76	45.2	0.0	57.4

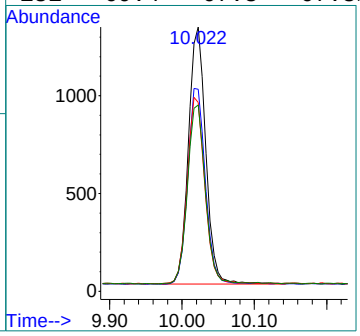




#21
Tetrachloroethene
Concen: 0.45 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65830.D
Acq: 10 Sep 2021 12:25 pm

Tgt Ion:166 Resp: 2182

Ion	Ratio	Lower	Upper
166	100		
164	75.7	46.5	106.5
129	70.4	36.5	96.5
131	69.4	67.3	67.3#



Manual Integration Approval Summary

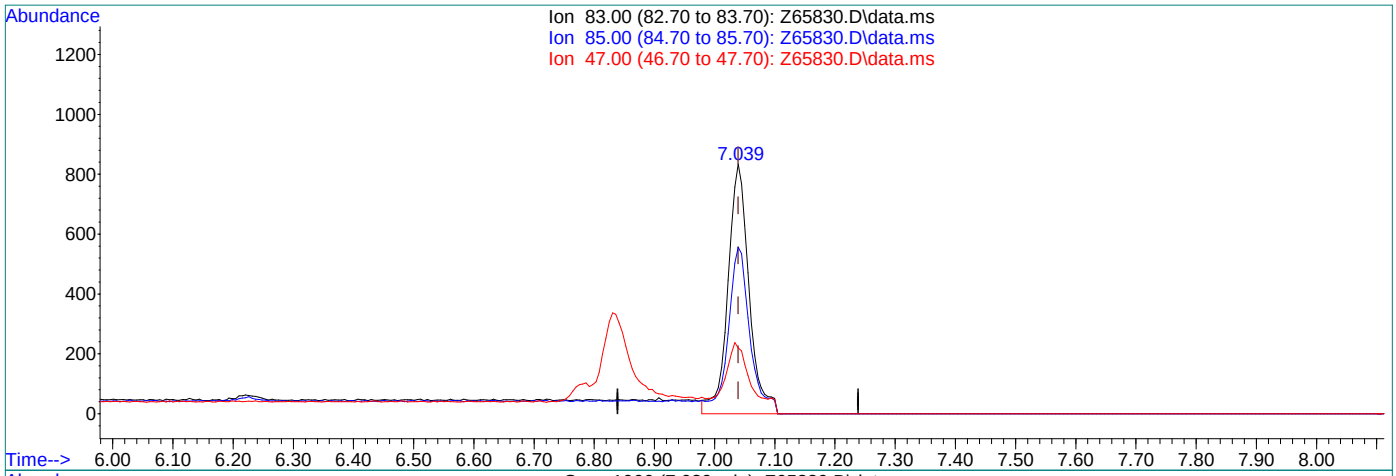
Sample Number: FA88755-5
Lab FileID: Z65830.D
Injection Time: 09/10/21 12:25
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:13 Charlene Gonzalez
Supervisor approved: 09/10/21 16:45 Sean Pioro

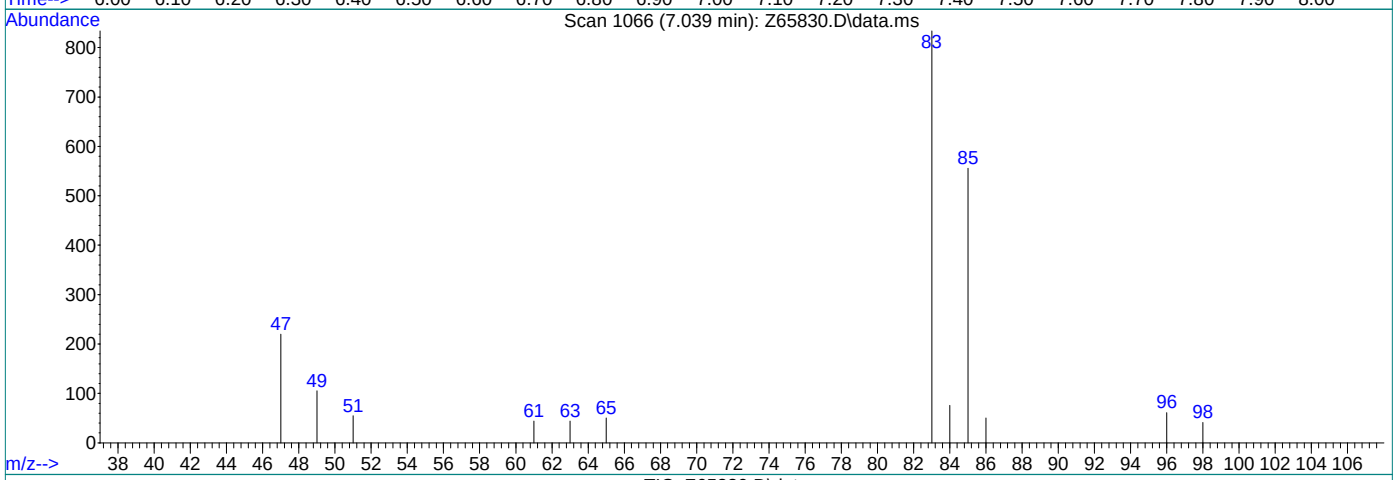
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65830.D\data.ms

(9) Chloroform

7.039min (+0.000) 0.22ug/L

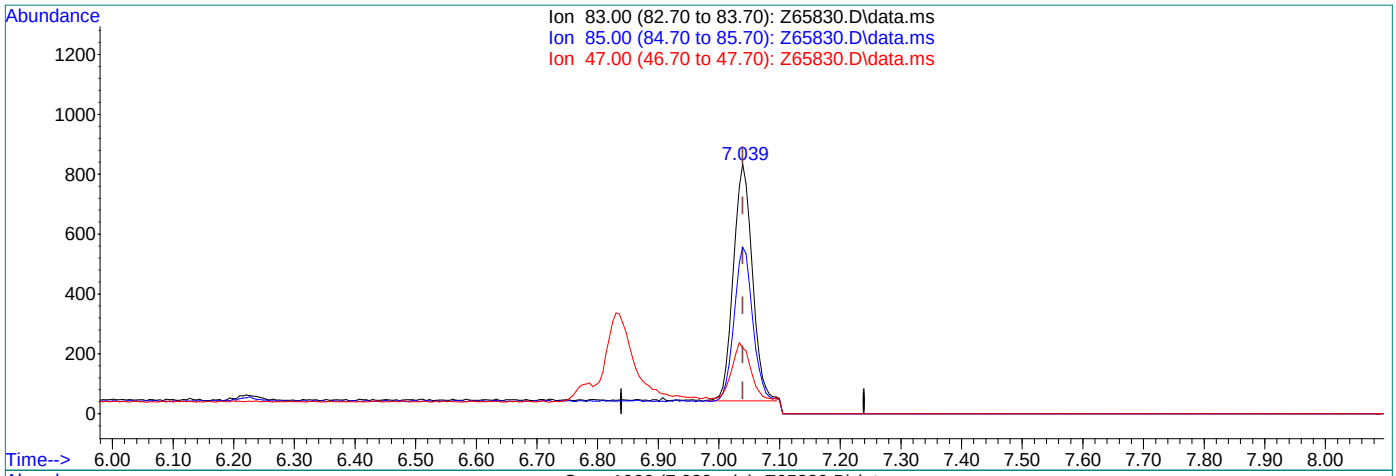
response 2055

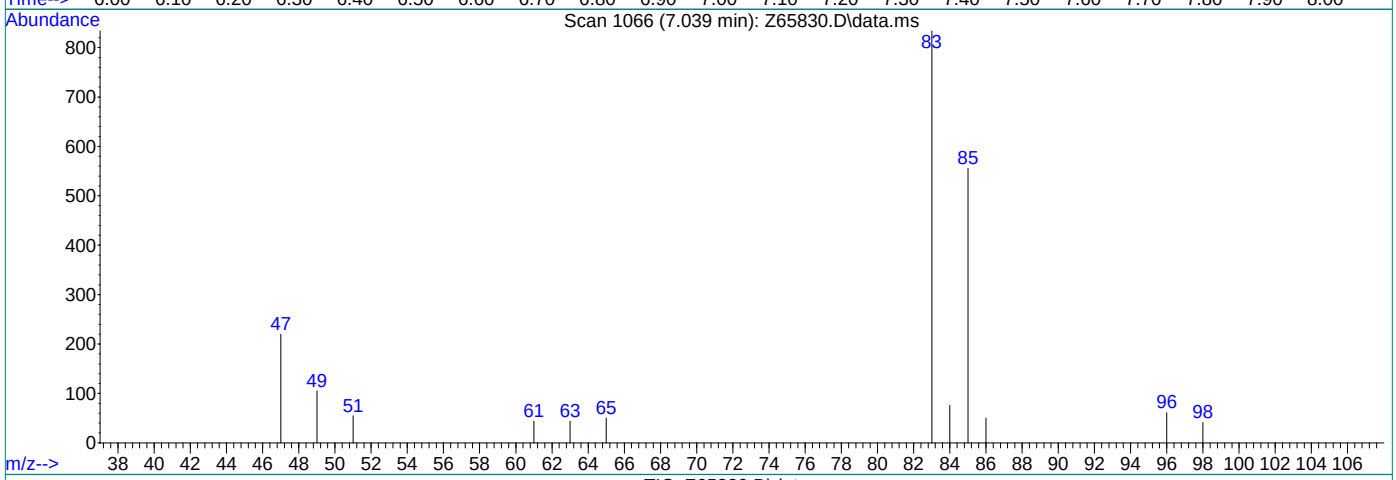
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.67
47.00	43.30	26.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65830.D\data.ms

(9) Chloroform

7.039min (+0.000) 0.19ug/L m

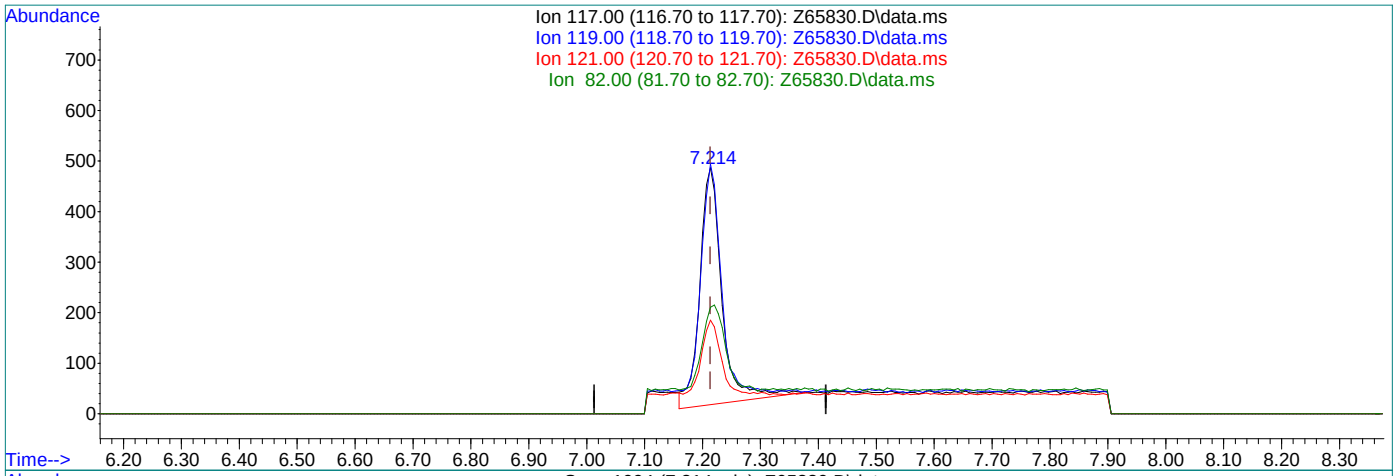
response 1720

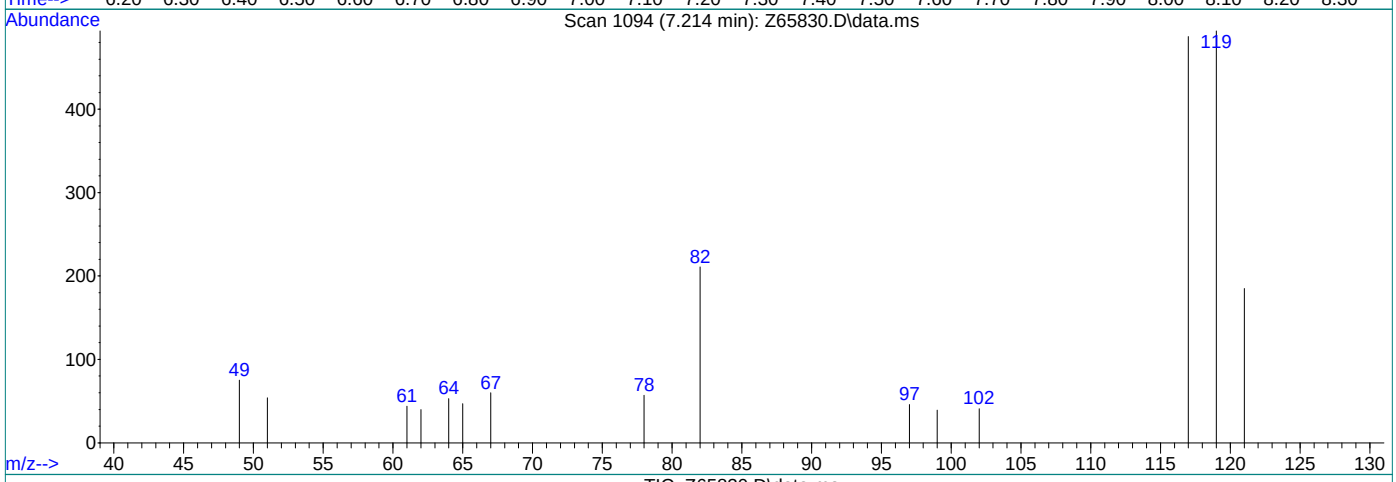
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.67
47.00	43.30	26.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65830.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.20ug/L

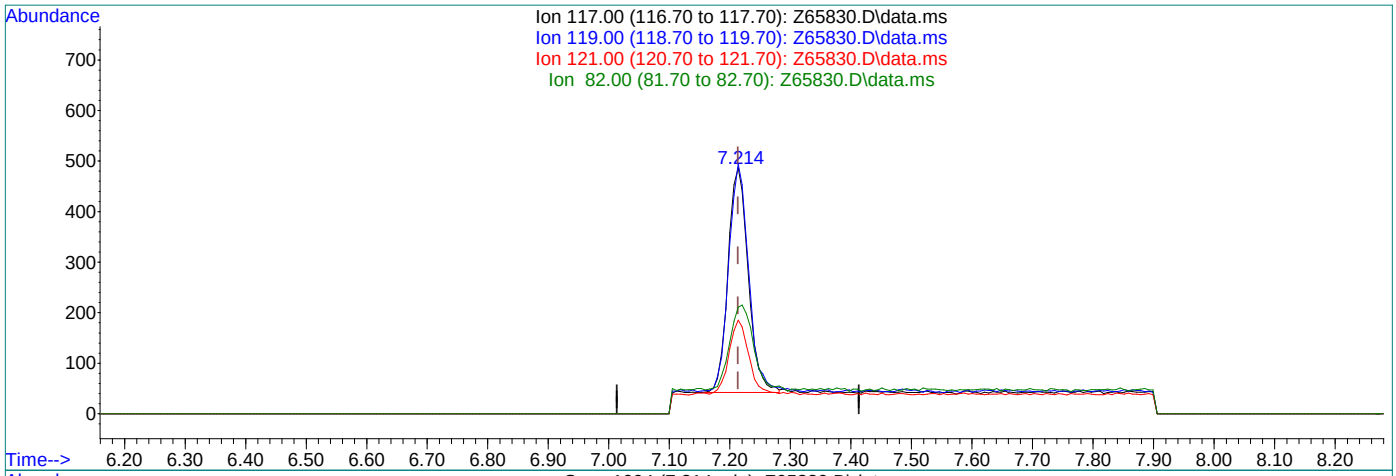
response 1253

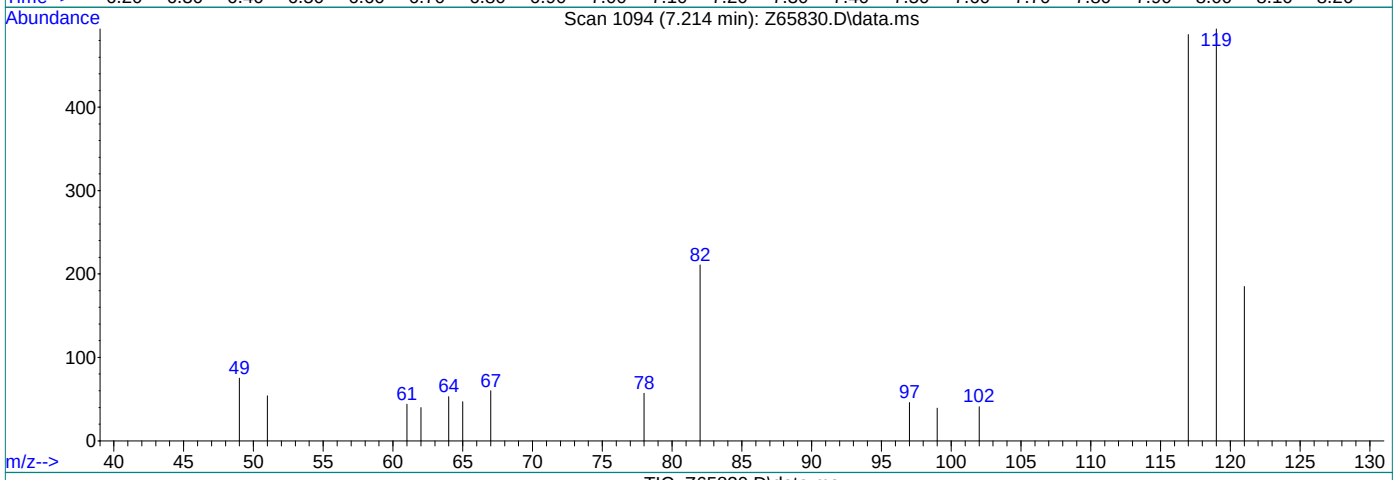
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	101.12
121.00	31.60	32.36
82.00	24.20	36.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65830.D
Acq On : 10 Sep 2021 12:25 pm
Operator : CHARLENG
Sample : FA88755-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 12:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65830.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.17ug/L m

response 1031

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	101.44
121.00	31.60	37.99
82.00	24.20	43.33

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:04:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

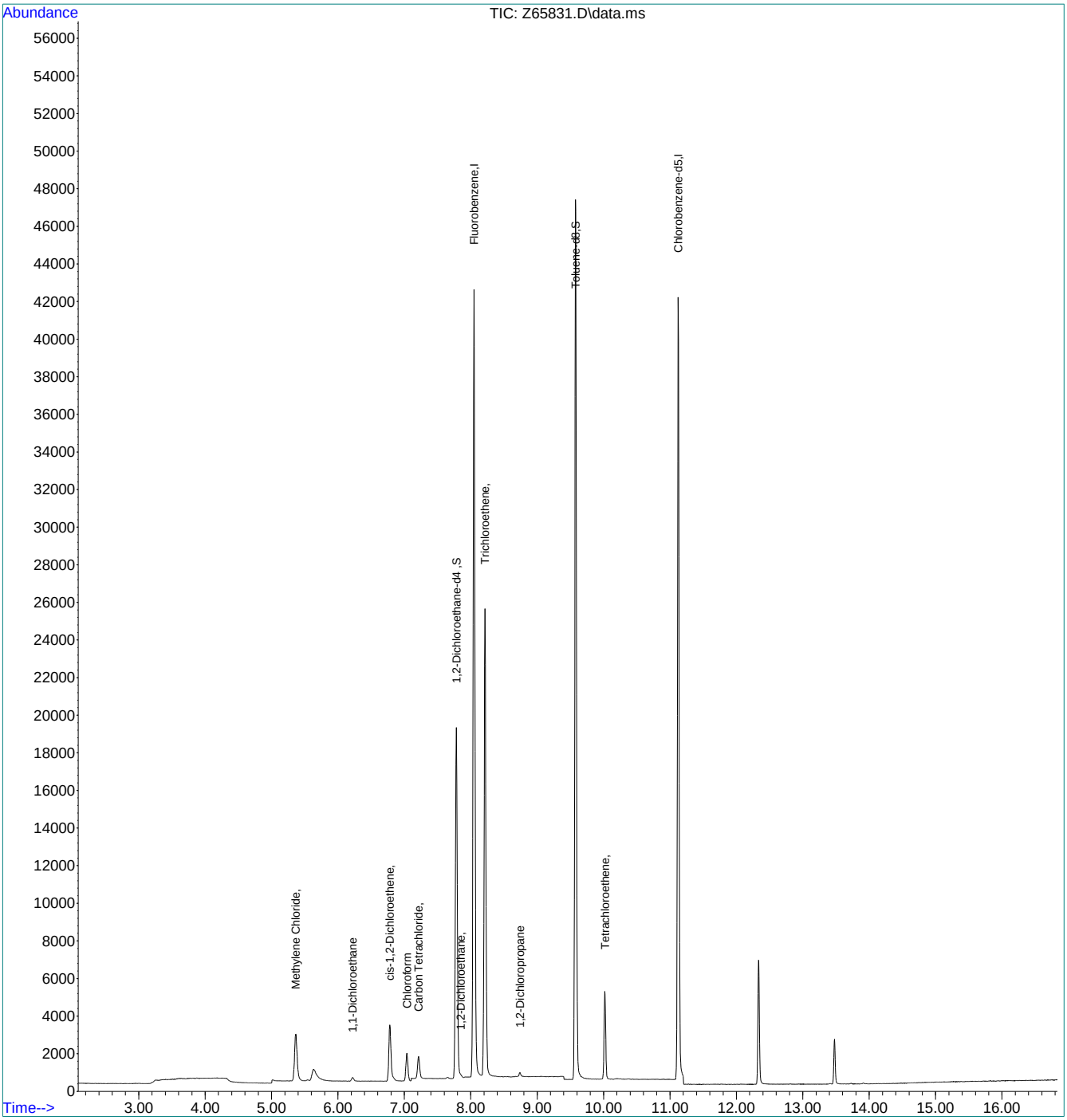
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	8.048	96	51025	5.00 ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42844	5.00 ug/L	0.00
System Monitoring Compounds					
13) 1,2-Dichloroethane-d4	7.784	65	18059	5.24 ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%		
19) Toluene-d8	9.576	98	47587	4.59 ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.80%		
Target Compounds					Qvalue
5) Methylene Chloride	5.364	49	2371	0.31 ug/L #	61
7) 1,1-Dichloroethane	6.221	63	271	0.04 ug/L	88
8) cis-1,2-Dichloroethene	6.781	96	2020	0.42 ug/L #	74
9) Chloroform	7.039	83	1608m	0.18 ug/L	
10) Carbon Tetrachloride	7.213	117	960m	0.16 ug/L	
14) 1,2-Dichloroethane	7.851	62	119	0.02 ug/L #	1
15) Trichloroethene	8.214	95	11763	2.47 ug/L	92
16) 1,2-Dichloropropane	8.742	63	122	0.03 ug/L	85
21) Tetrachloroethene	10.022	166	2253	0.44 ug/L #	99

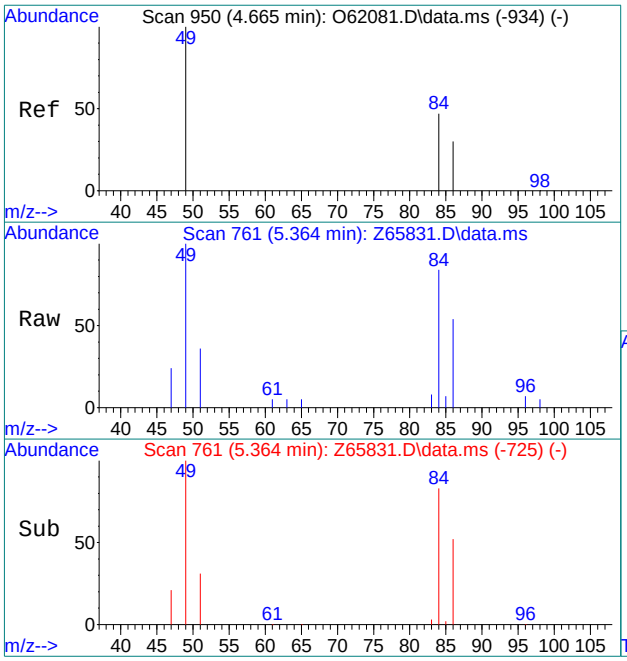
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:04:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

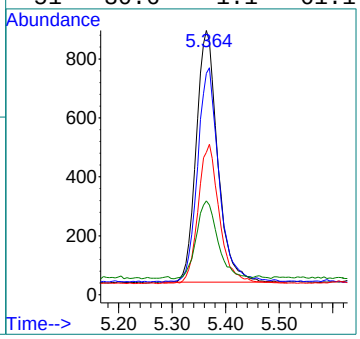


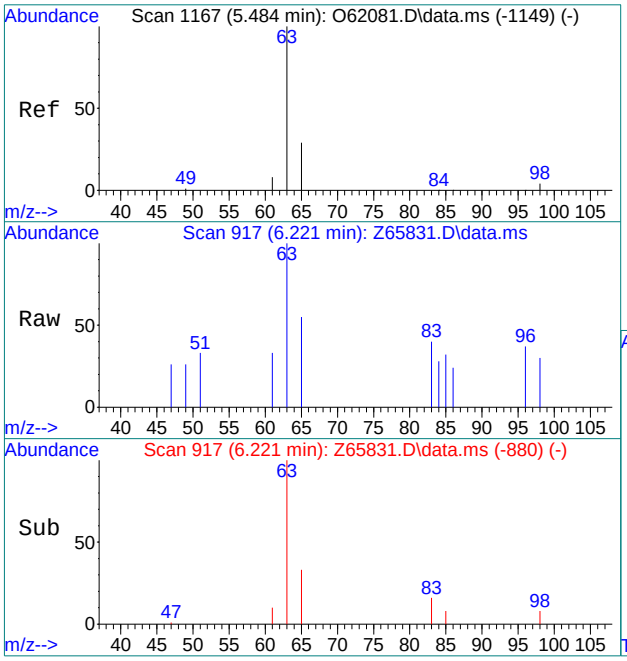


#5
Methylene Chloride
Concen: 0.31 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 49 Resp: 2371

Ion	Ratio	Lower	Upper
49	100		
84	83.0	13.9	73.9#
86	52.0	0.0	58.0
51	30.6	1.1	61.1

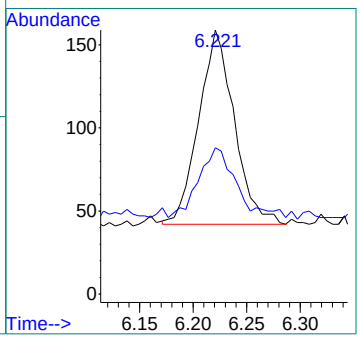


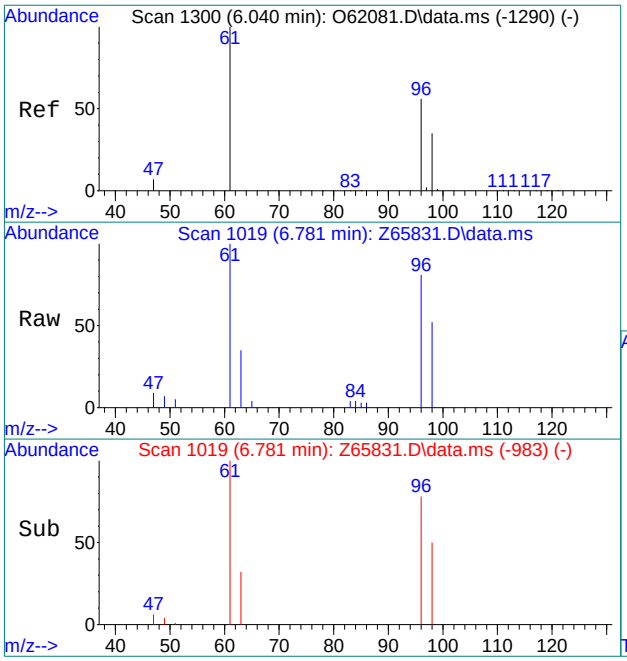


#7
1,1-Dichloroethane
Concen: 0.04 ug/L
RT: 6.221 min Scan# 917
Delta R.T. 0.001 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 63 Resp: 271

Ion	Ratio	Lower	Upper
63	100		
65	35.9	0.0	59.4

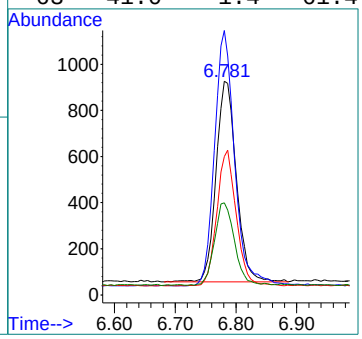


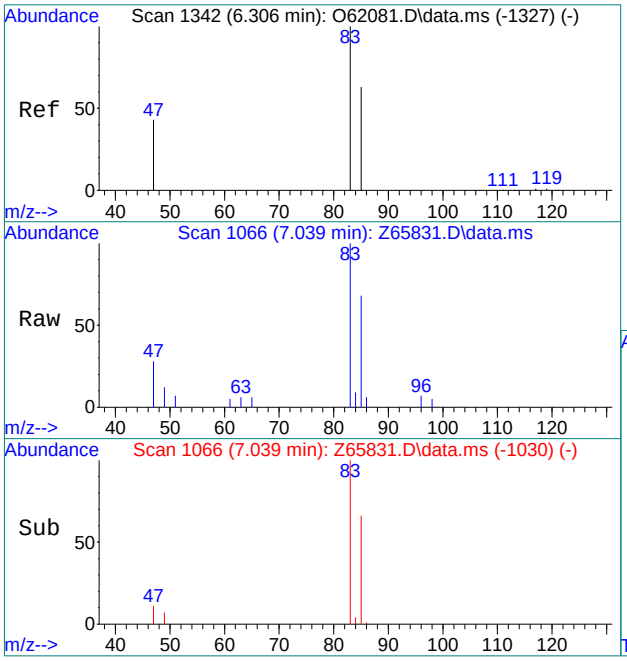


#8
cis-1,2-Dichloroethene
Concen: 0.42 ug/L
RT: 6.781 min Scan# 1019
Delta R.T. -0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 96 Resp: 2020

Ion	Ratio	Lower	Upper
96	100		
61	127.1	147.2	207.2#
98	64.4	33.1	93.1
63	41.0	1.4	61.4

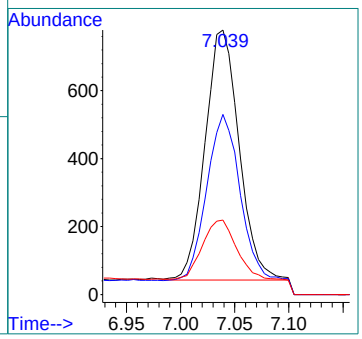


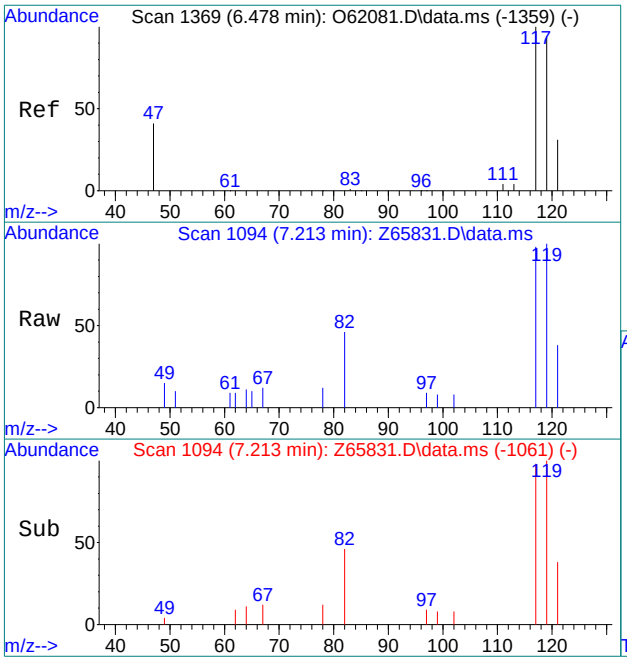


#9
Chloroform
Concen: 0.18 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 83 Resp: 1608

Ion	Ratio	Lower	Upper
83	100		
85	68.0	34.3	94.3
47	28.1	13.3	73.3

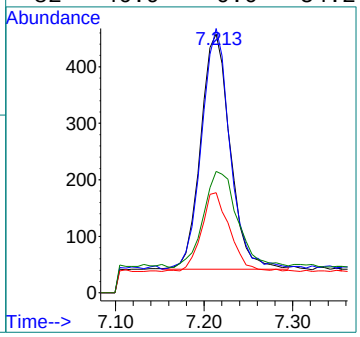


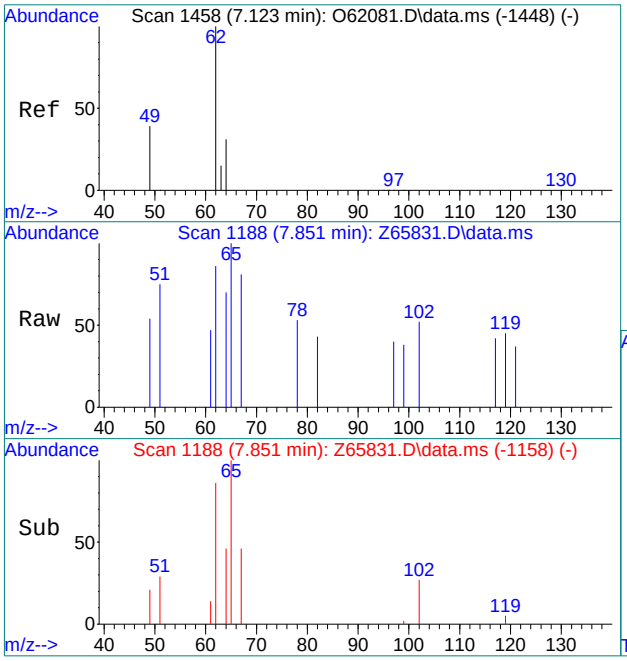


#10
Carbon Tetrachloride
Concen: 0.16 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion:117 Resp: 960

Ion	Ratio	Lower	Upper
117	100		
119	102.2	64.8	124.8
121	38.6	1.6	61.6
82	46.9	0.0	54.2

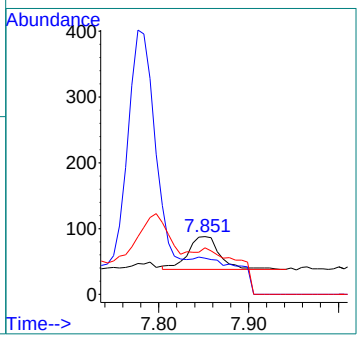


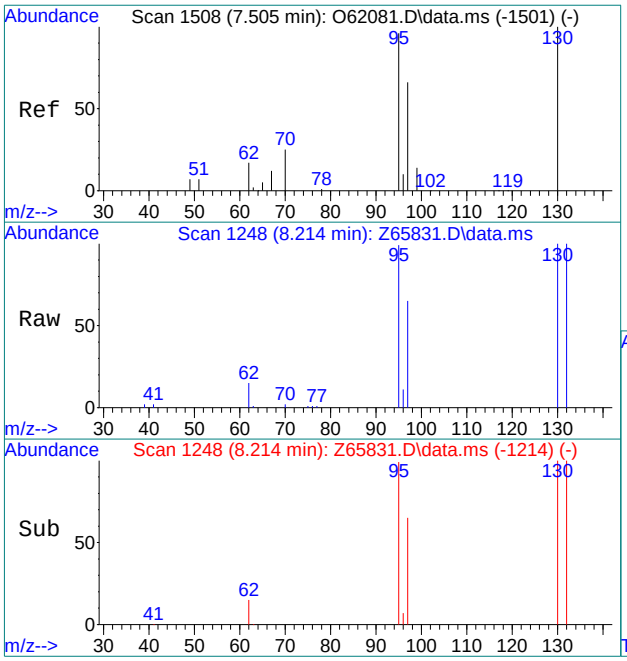


#14
1,2-Dichloroethane
Concen: 0.02 ug/L
RT: 7.851 min Scan# 1188
Delta R.T. 0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 62 Resp: 119

Ion	Ratio	Lower	Upper
62	100		
49	110.0	11.1	71.1#
64	142.0	1.1	61.1#

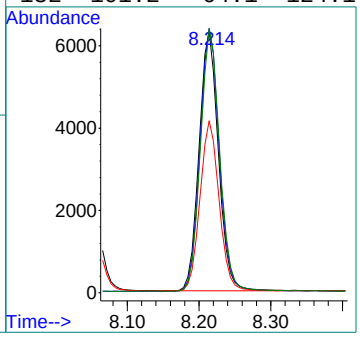


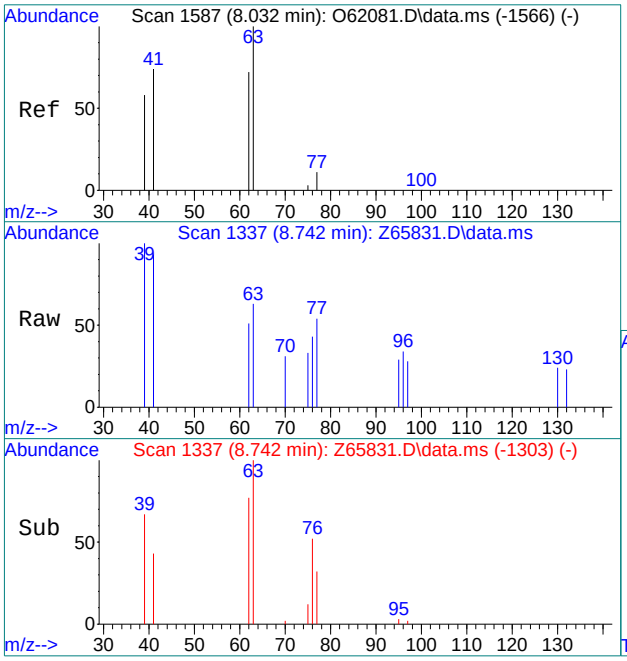


#15
Trichloroethene
Concen: 2.47 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. 0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 95 Resp: 11763

Ion	Ratio	Lower	Upper
95	100		
130	101.3	58.7	118.7
97	65.6	35.1	95.1
132	101.2	64.1	124.1

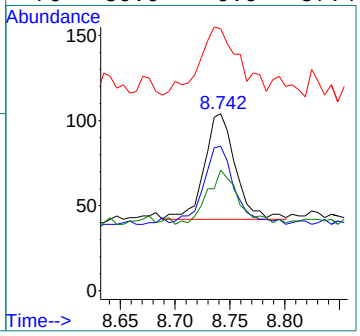


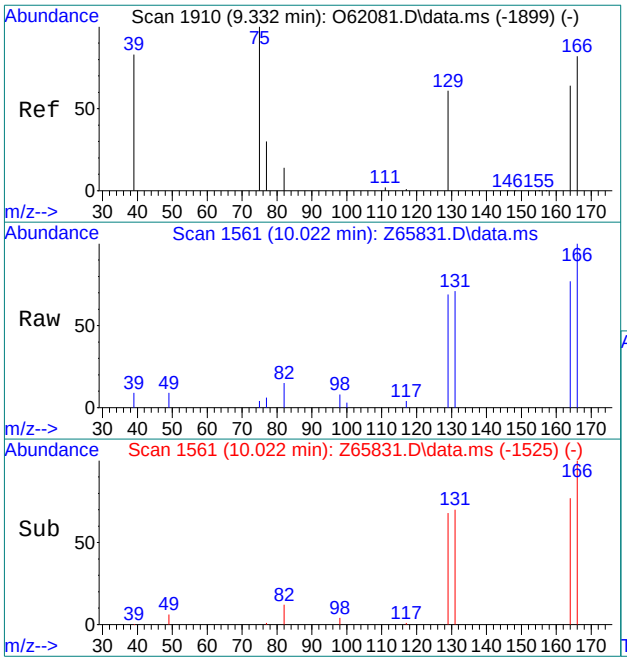


#16
1,2-Dichloropropane
Concen: 0.03 ug/L
RT: 8.742 min Scan# 1337
Delta R.T. -0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion: 63 Resp: 122

Ion	Ratio	Lower	Upper
63	100		
62	74.2	41.3	101.3
41	62.9	46.2	106.2
76	50.0	0.0	57.4

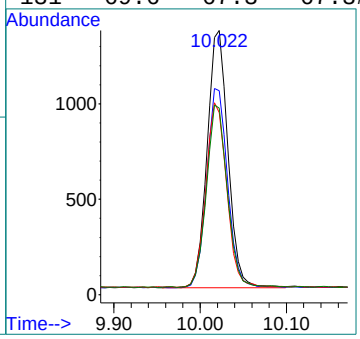




#21
Tetrachloroethene
Concen: 0.44 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65831.D
Acq: 10 Sep 2021 12:46 pm

Tgt Ion:166 Resp: 2253

Ion	Ratio	Lower	Upper
166	100		
164	76.4	46.5	106.5
129	67.9	36.5	96.5
131	69.6	67.3	67.3#



Manual Integration Approval Summary

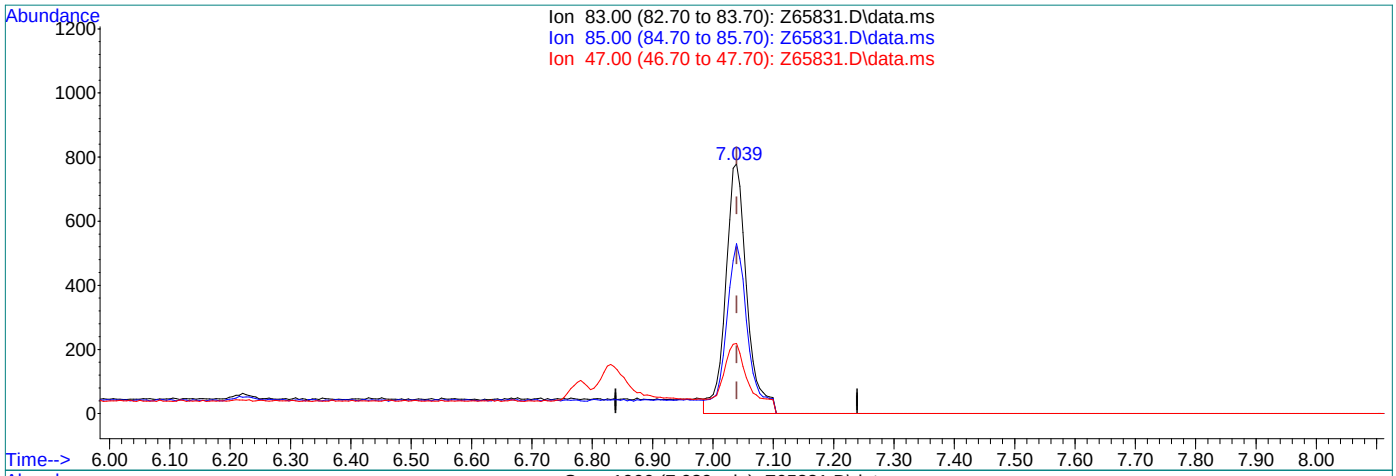
Sample Number: FA88755-6
Lab FileID: Z65831.D
Injection Time: 09/10/21 12:46
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:13 Charlene Gonzalez
Supervisor approved: 09/10/21 16:45 Sean Pioro

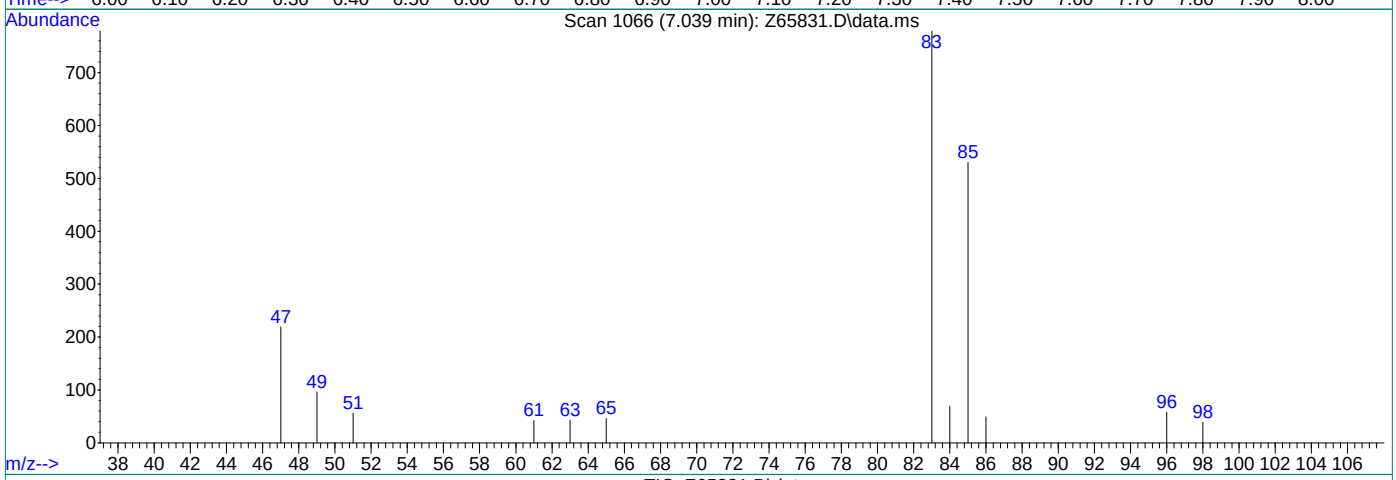
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:03:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65831.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.22ug/L

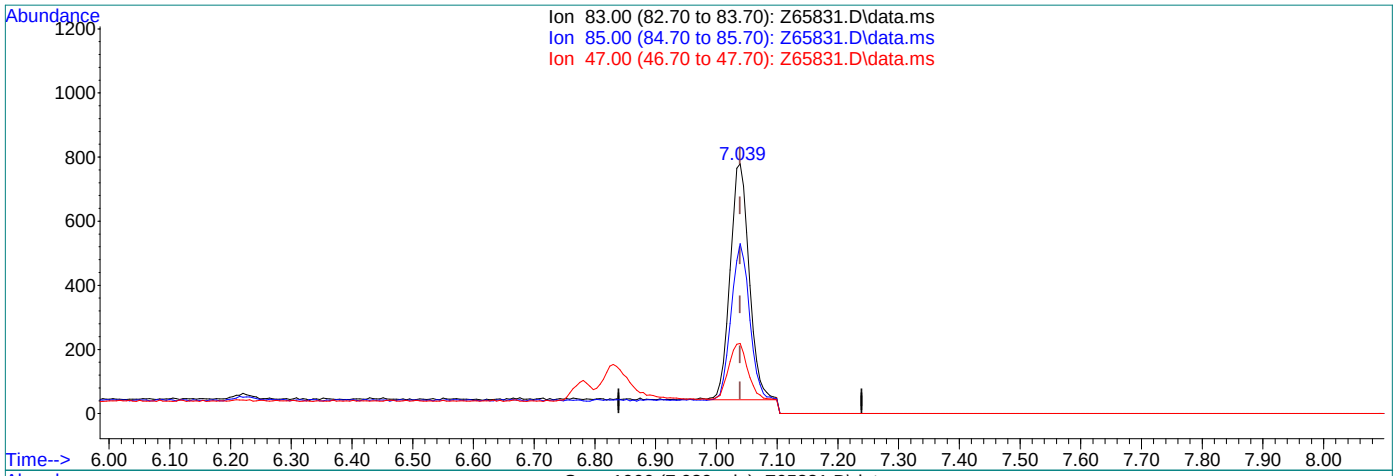
response 1925

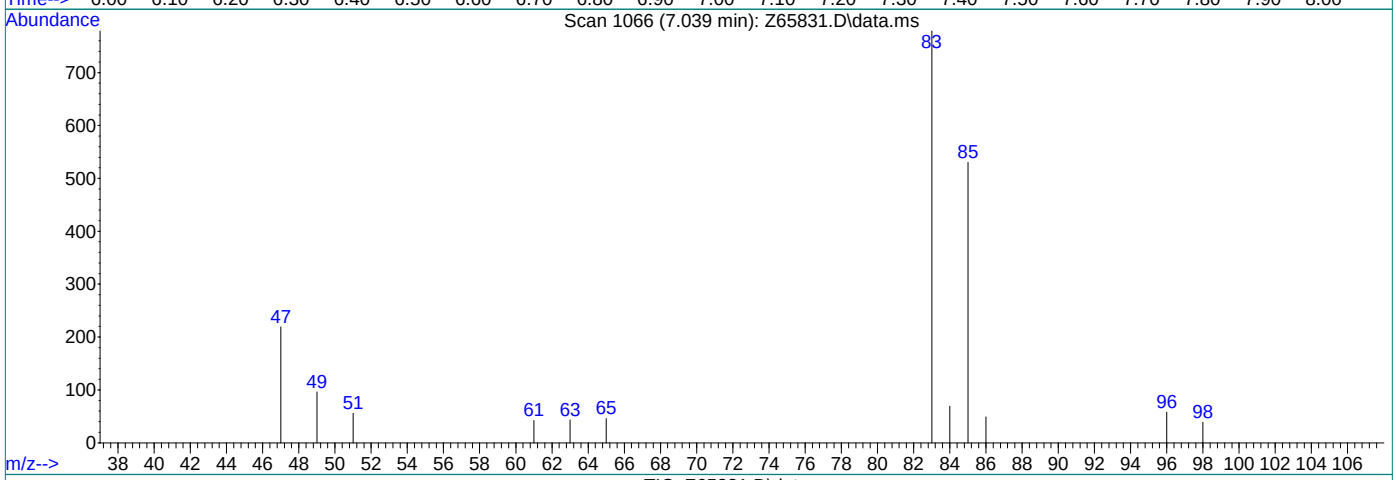
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	68.04
47.00	43.30	28.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:03:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65831.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.18ug/L m

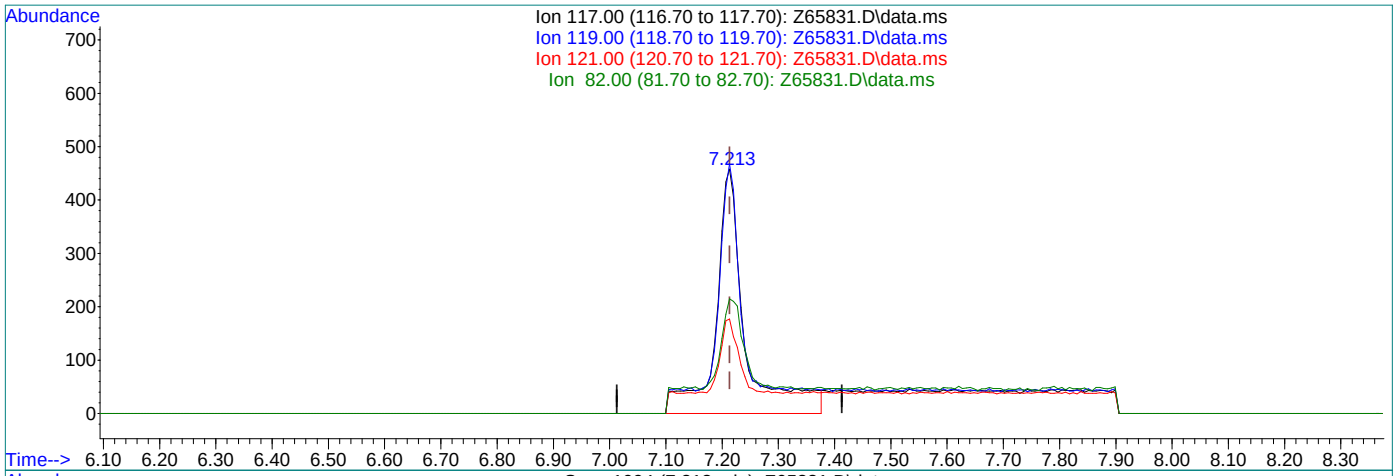
response 1608

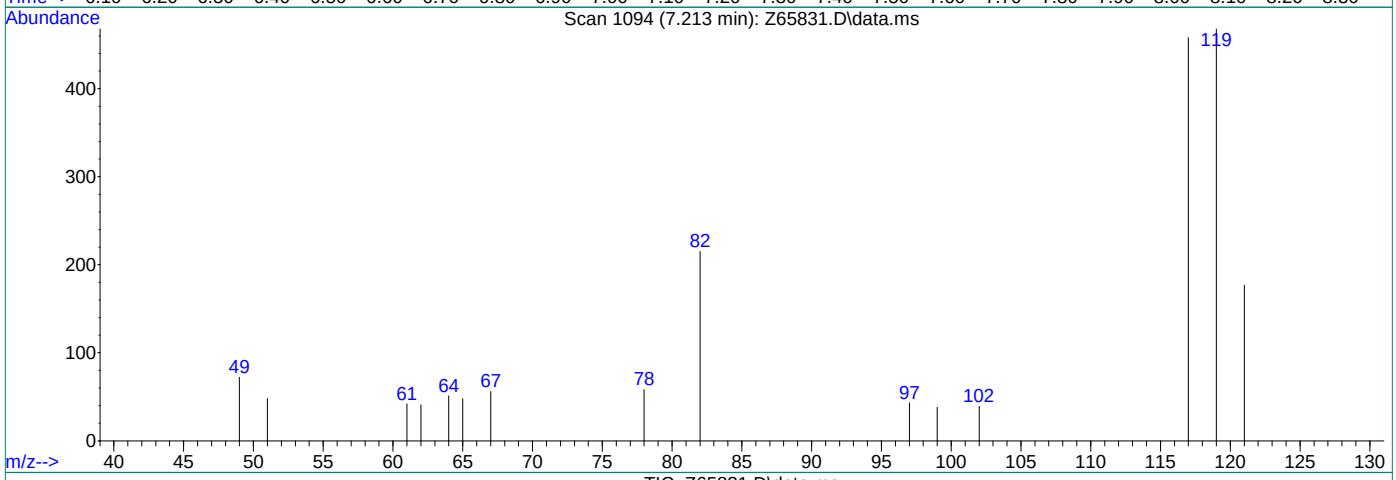
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	68.04
47.00	43.30	28.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:03:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65831.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.28ug/L

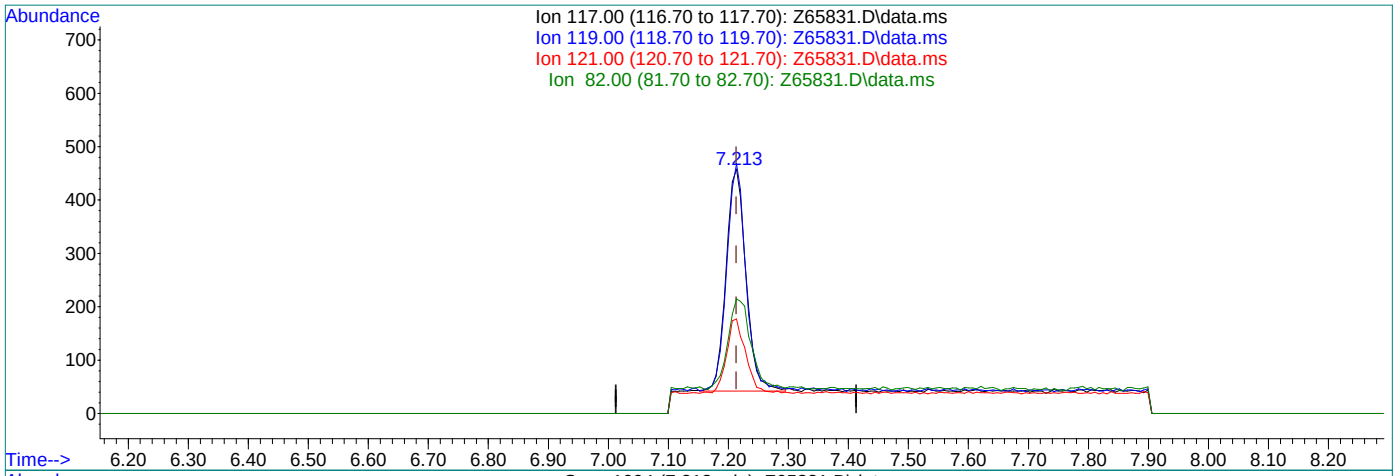
response 1655

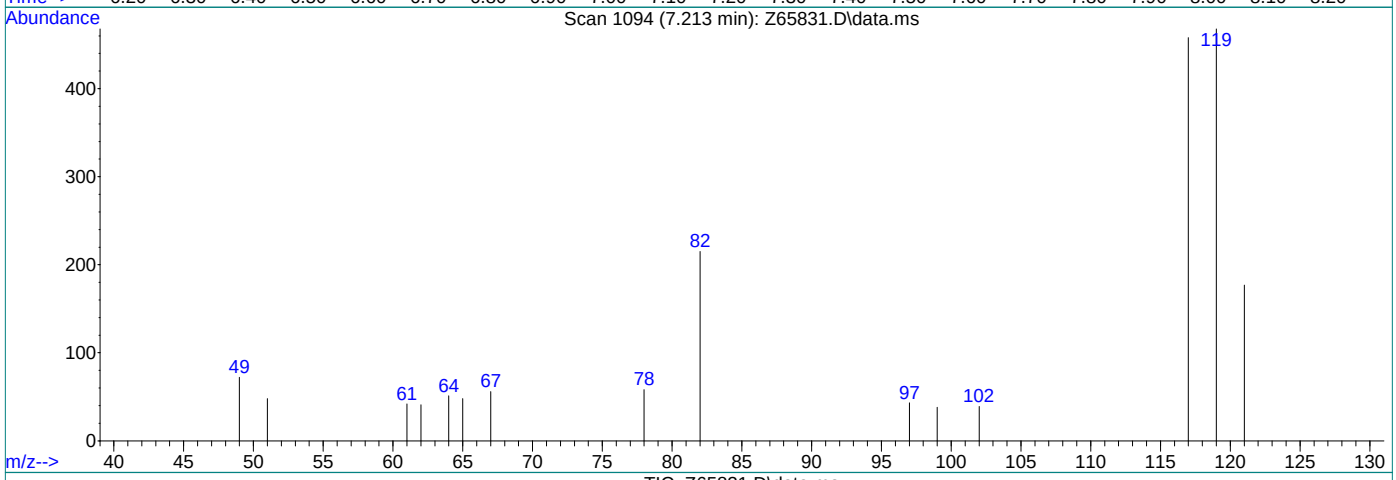
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.18
121.00	31.60	38.65
82.00	24.20	46.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65831.D
Acq On : 10 Sep 2021 12:46 pm
Operator : CHARLENG
Sample : FA88755-6
Misc : MS49753,VZ2589,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 13:03:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65831.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.16ug/L m

response 960

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.18
121.00	31.60	38.65
82.00	24.20	46.94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65825.D
Acq On : 10 Sep 2021 10:42 am
Operator : CHARLENG
Sample : MB
Misc : MS49709,VZ2589,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:09:52 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

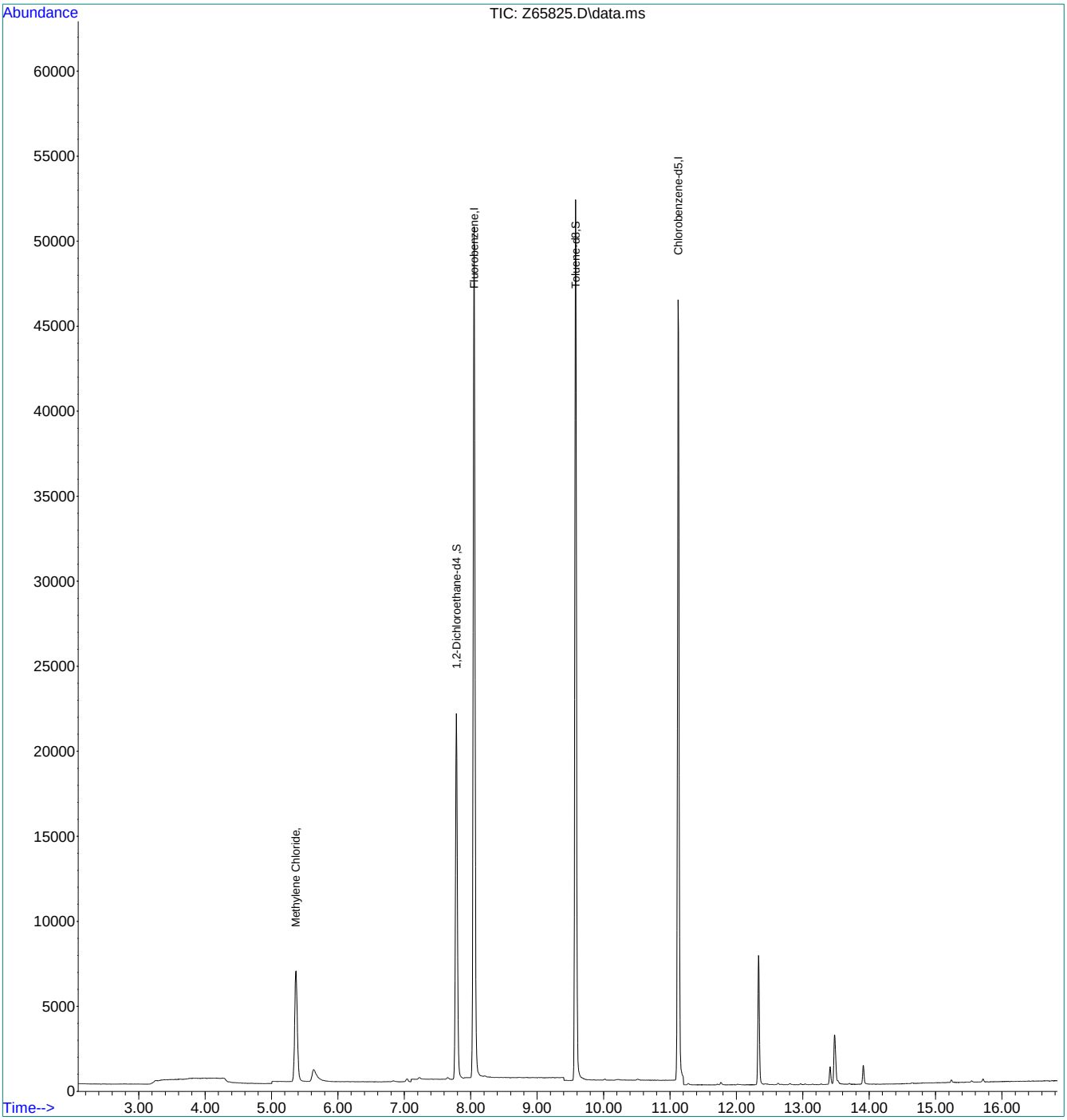
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	61985	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	47066	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20851	4.98	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%			
19) Toluene-d8	9.576	98	53206	4.67	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 93.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6100	0.65	ug/L	# 61

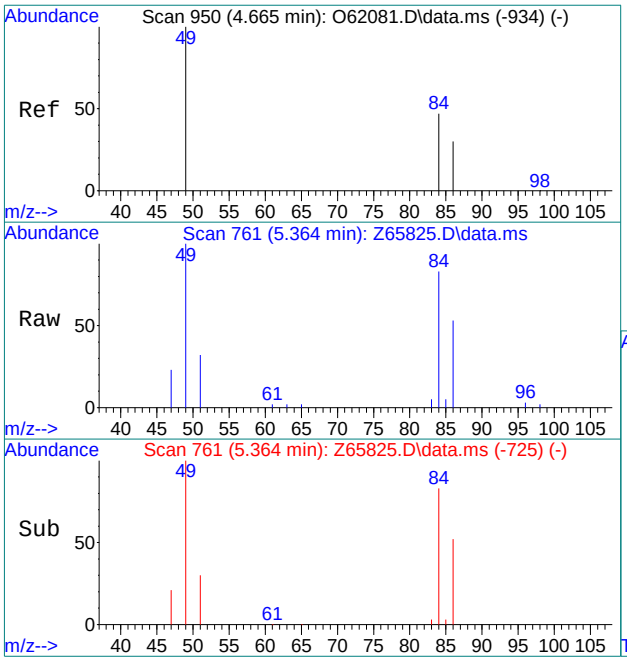
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65825.D
Acq On : 10 Sep 2021 10:42 am
Operator : CHARLENG
Sample : MB
Misc : MS49709,VZ2589,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:09:52 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

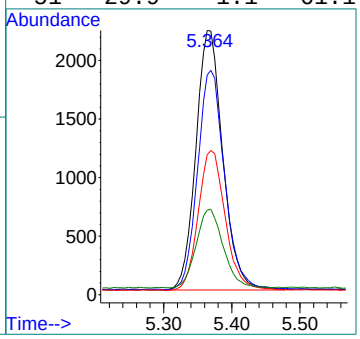




#5
Methylene Chloride
Concen: 0.65 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65825.D
Acq: 10 Sep 2021 10:42 am

Tgt Ion: 49 Resp: 6100

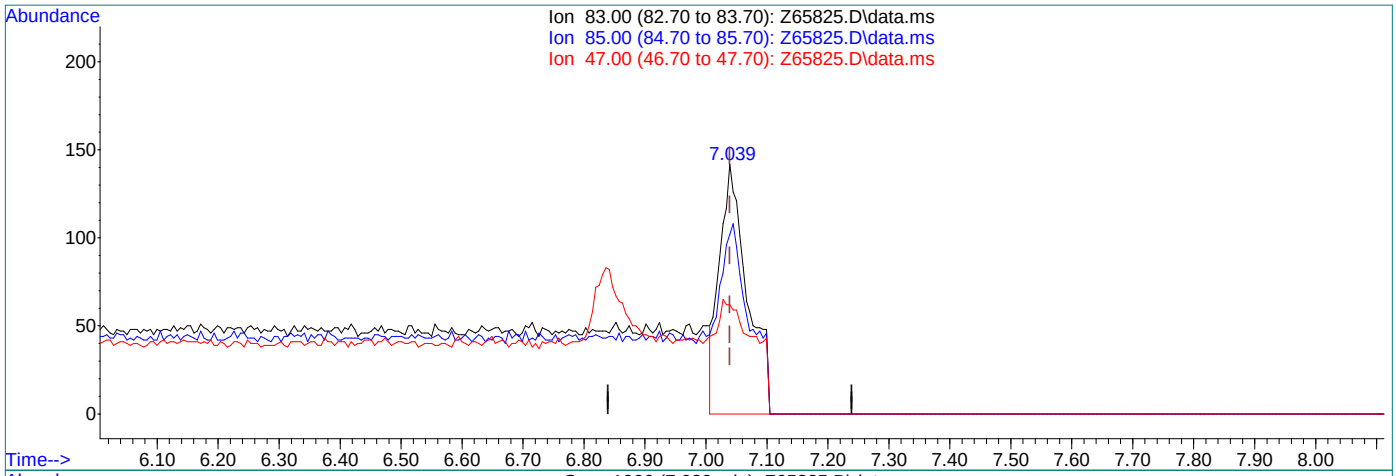
Ion	Ratio	Lower	Upper
49	100		
84	82.6	13.9	73.9#
86	52.1	0.0	58.0
51	29.9	1.1	61.1

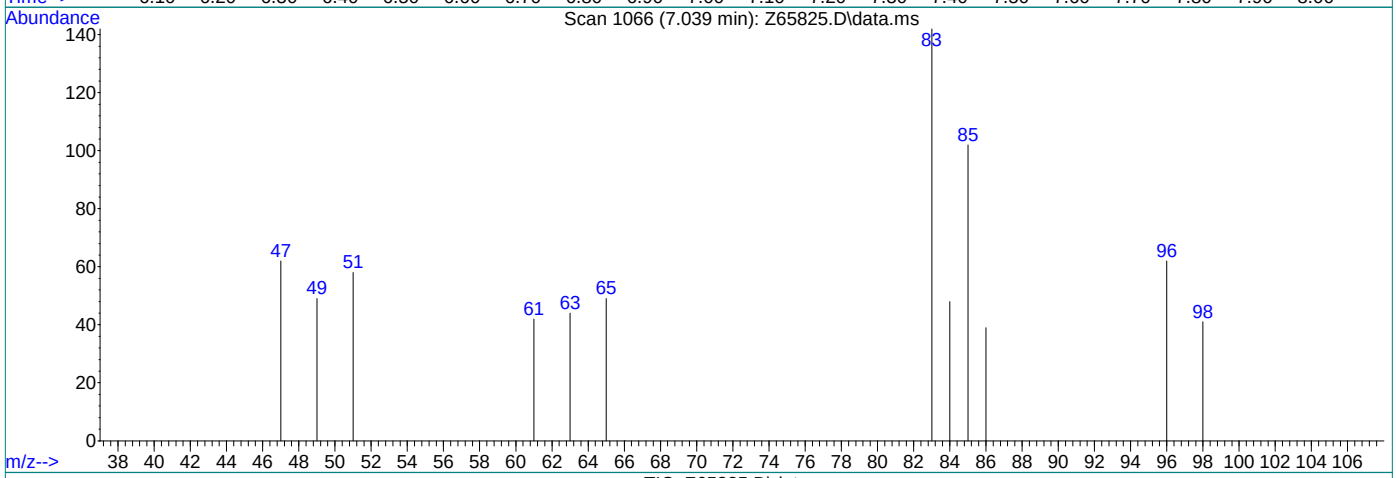


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65825.D
Acq On : 10 Sep 2021 10:42 am
Operator : CHARLENG
Sample : MB
Misc : MS49709,VZ2589,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:09:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65825.D\data.ms

(9) Chloroform

7.039min (0.000) 0.04ug/L

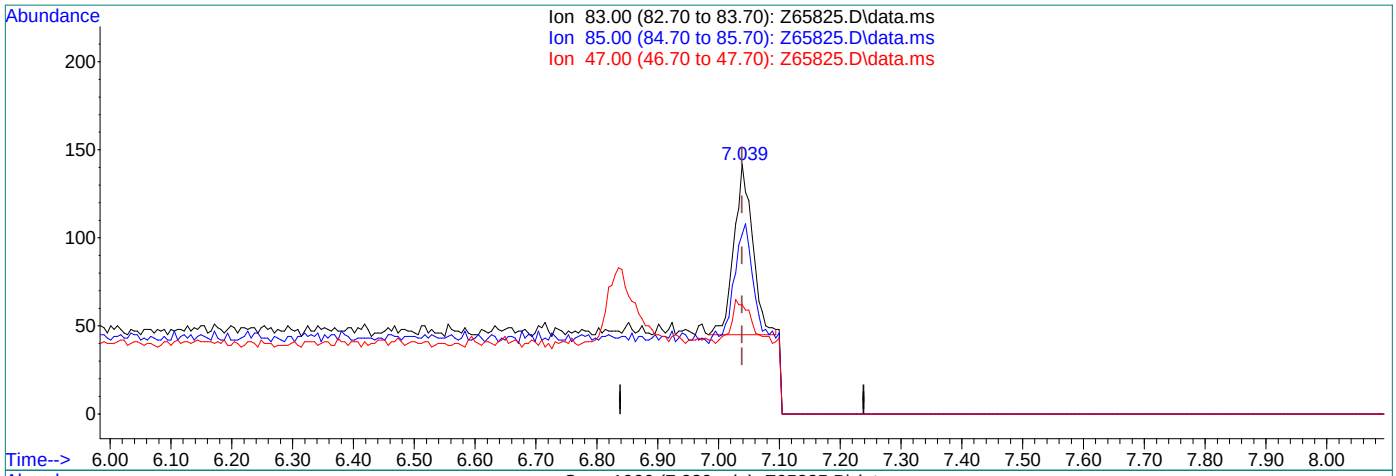
response 460

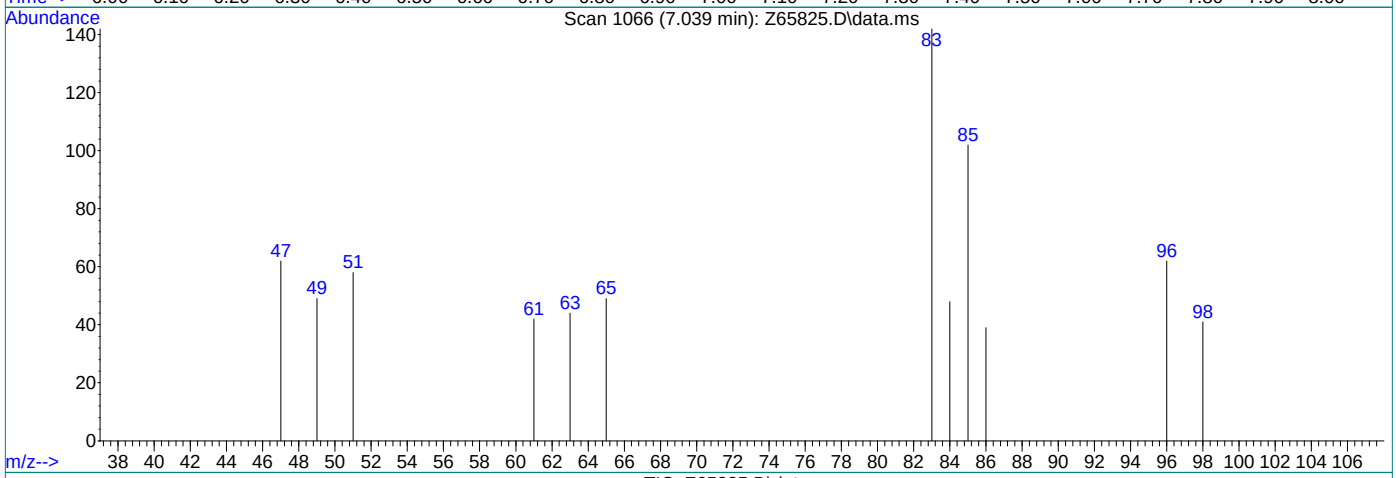
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	71.83
47.00	43.30	43.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65825.D
Acq On : 10 Sep 2021 10:42 am
Operator : CHARLENG
Sample : MB
Misc : MS49709,VZ2589,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:09:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65825.D\data.ms

(9) Chloroform

7.039min (0.000) 0.02ug/L m

response 207

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	71.83
47.00	43.30	43.66
0.00	0.00	0.00

Z65825.D edits: Chloroform

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65086.D
Acq On : 10 Sep 2021 4:13 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:31:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

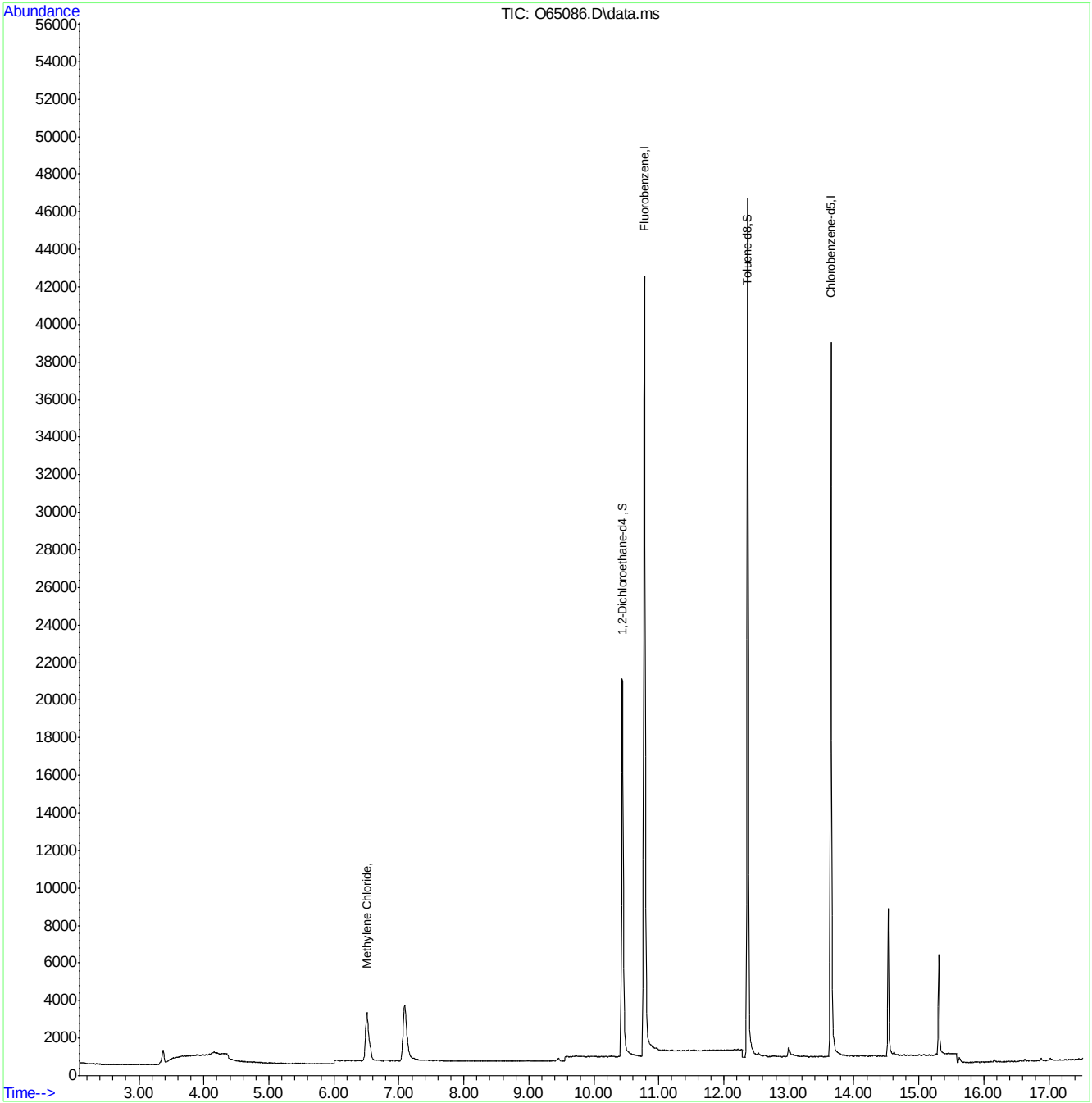
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	48885	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33115	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20036	5.10	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.00%			
19) Toluene-d8	12.367	98	40124	4.97	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3824	0.37	ug/L	92

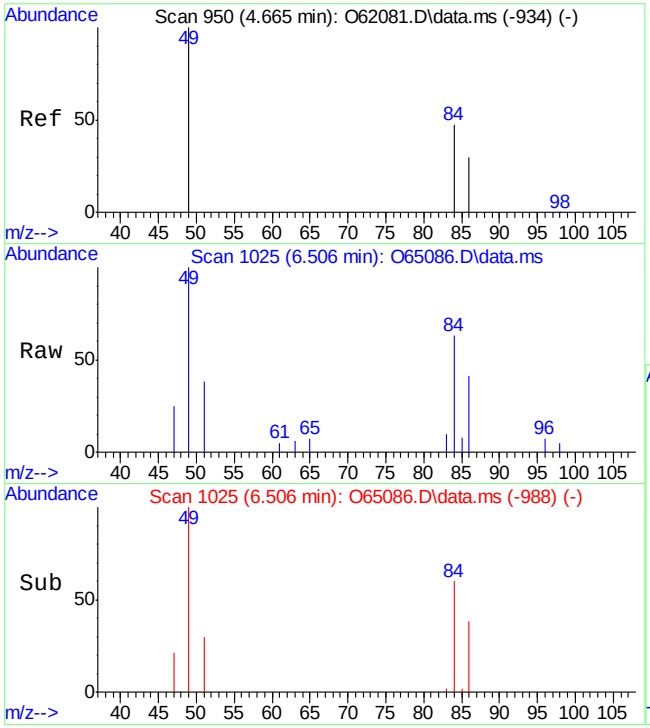
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65086.D
Acq On : 10 Sep 2021 4:13 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:31:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

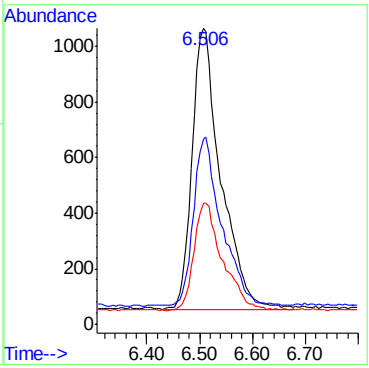




#5
Methylene Chloride
Concen: 0.37 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65086.D
Acq: 10 Sep 2021 4:13 pm

Tgt Ion: 49 Resp: 3824

Ion	Ratio	Lower	Upper
49	100		
84	59.3	35.5	95.5
86	38.2	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65824.D
Acq On : 10 Sep 2021 10:22 am
Operator : CHARLENG
Sample : BS
Misc : MS49709,VZ2589,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 11:09:18 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

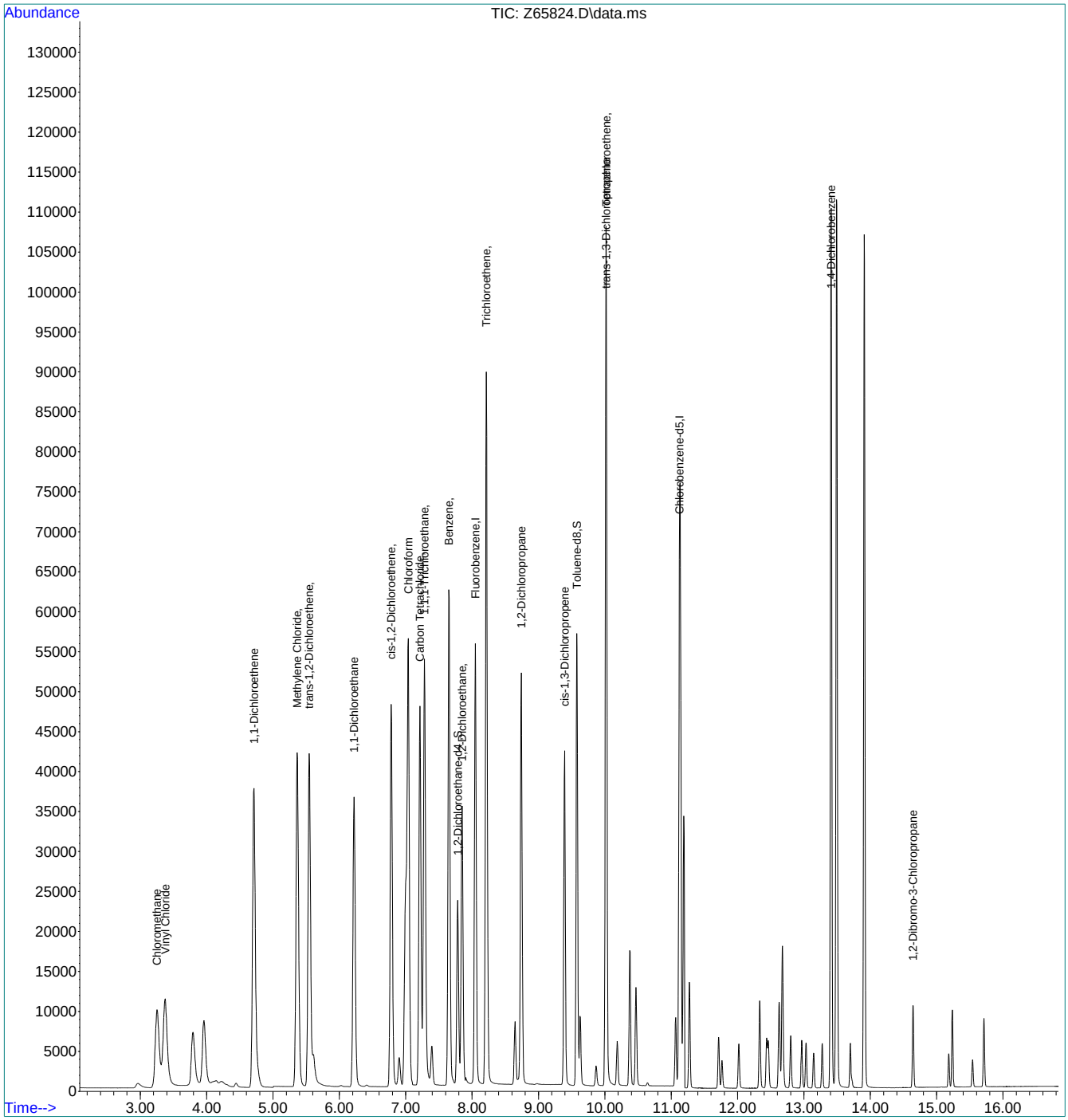
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	66471	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	52180	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	21858	4.87	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.40%				
19) Toluene-d8	9.576	98	57013	4.52	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.376	62	30781	4.42	ug/L		96
3) Chloromethane	3.250	50	31092	4.33	ug/L		98
4) 1,1-Dichloroethene	4.712	61	43972	5.02	ug/L		99
5) Methylene Chloride	5.364	49	38601	3.85	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	40543	4.95	ug/L		78
7) 1,1-Dichloroethane	6.220	63	50158	5.27	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	31785	5.07	ug/L	#	74
9) Chloroform	7.039	83	57840	4.96	ug/L		87
10) Carbon Tetrachloride	7.213	117	39612	5.09	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	48926	5.16	ug/L		87
12) Benzene	7.648	78	104762	4.90	ug/L		82
14) 1,2-Dichloroethane	7.851	62	36161	4.71	ug/L		85
15) Trichloroethene	8.214	95	32491	5.24	ug/L		93
16) 1,2-Dichloropropane	8.741	63	27008	5.03	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	35755	4.15	ug/L	#	67
20) trans-1,3-Dichloropropene	10.016	75	30478	3.96	ug/L	#	73
21) Tetrachloroethene	10.022	166	33888	5.40	ug/L	#	97
22) 1,4-Dichlorobenzene	13.410	146	68379	5.05	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3659	3.35	ug/L	#	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65824.D
Acq On : 10 Sep 2021 10:22 am
Operator : CHARLENG
Sample : BS
Misc : MS49709,VZ2589,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 11:09:18 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Fri Sep 10 13:03:08 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65085.D
Acq On : 10 Sep 2021 3:50 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:10:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

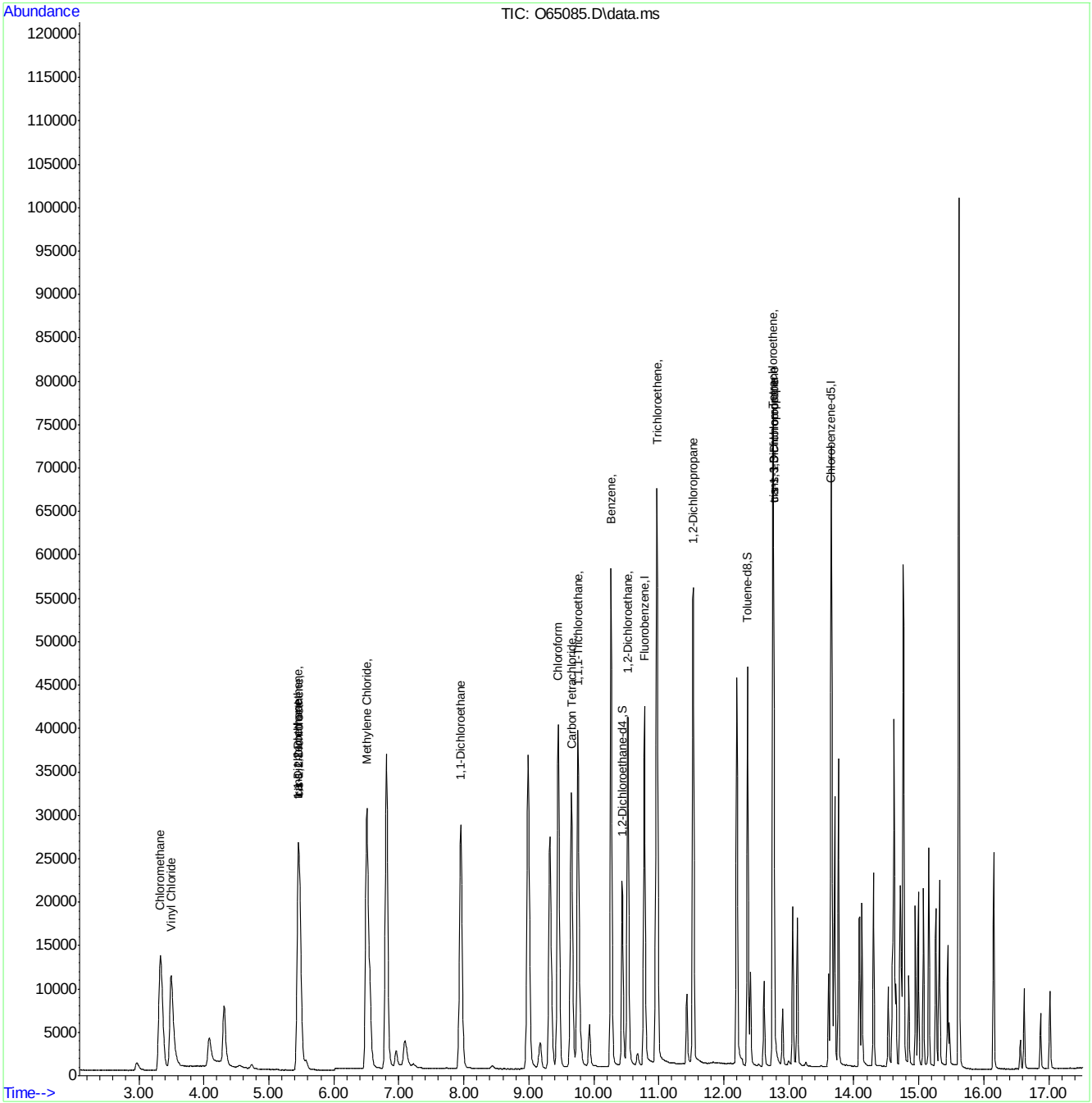
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47319	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	31720	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	18977	4.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.80%			
19) Toluene-d8	12.367	98	40186	5.19	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 103.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	30053	4.80	ug/L	98
3) Chloromethane	3.331	50	39594	5.14	ug/L	98
4) 1,1-Dichloroethene	5.452	61	45100	5.28	ug/L	81
5) Methylene Chloride	6.506	49	43510	4.51	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	45100	5.28	ug/L	77
7) 1,1-Dichloroethane	7.951	63	49315	5.36	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	22281	5.28	ug/L	89
9) Chloroform	9.450	83	45697	5.02	ug/L	98
10) Carbon Tetrachloride	9.657	117	29341	5.56	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	38364	5.22	ug/L	96
12) Benzene	10.267	78	87022	5.14	ug/L	100
14) 1,2-Dichloroethane	10.525	62	42812	4.96	ug/L	92
15) Trichloroethene	10.974	95	26252	5.19	ug/L	96
16) 1,2-Dichloropropane	11.531	63	26174	5.05	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	30394	5.18	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	30394	5.33	ug/L	98
21) Tetrachloroethene	12.752	166	23516	5.42	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65085.D
Acq On : 10 Sep 2021 3:50 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:10:56 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65832.D
Acq On : 10 Sep 2021 1:06 pm
Operator : CHARLENG
Sample : FA88755-2ms
Misc : MS49753,VZ2589,,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:23:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

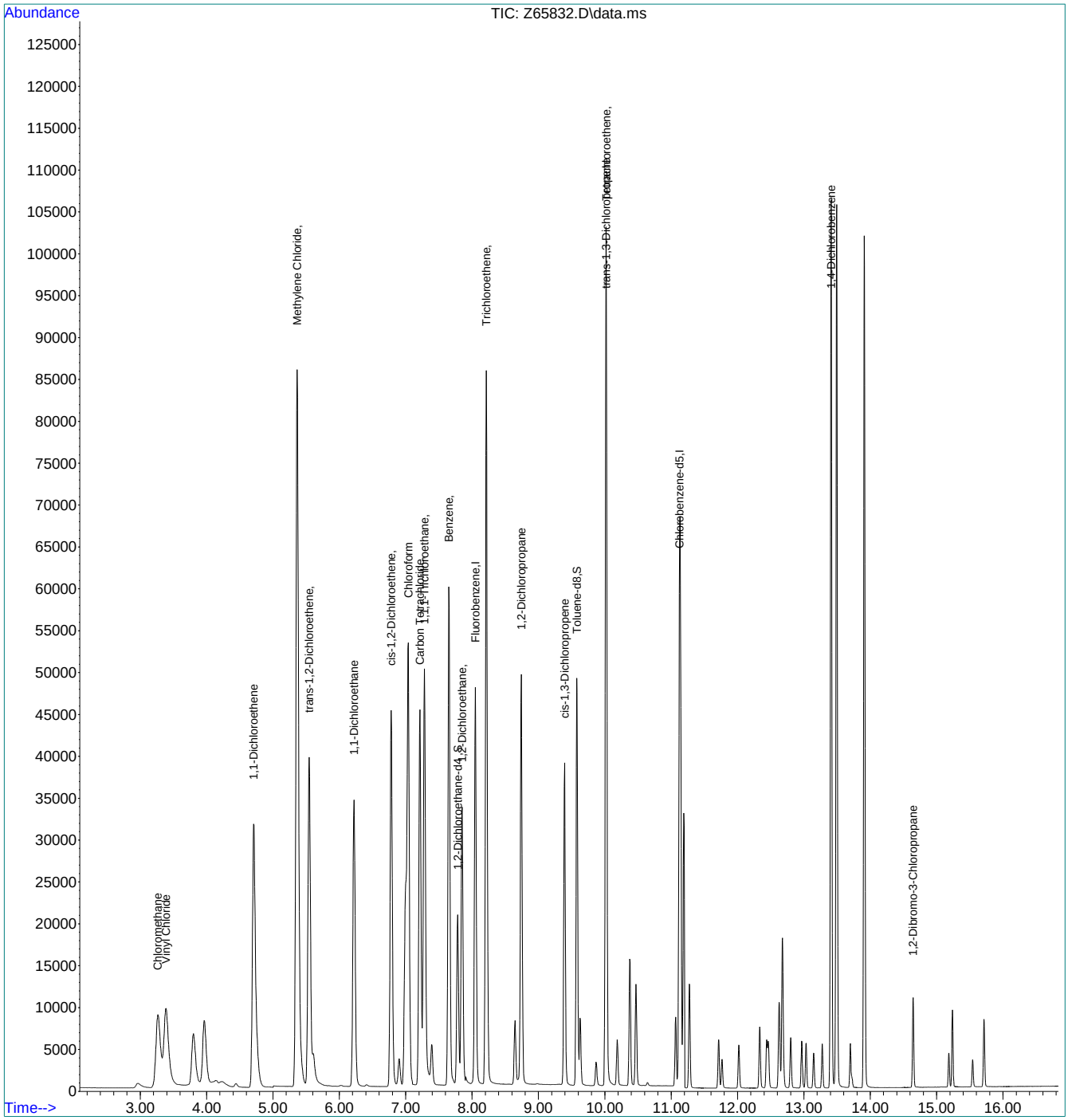
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56833	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	45582	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	19315	5.03	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%				
19) Toluene-d8	9.576	98	48809	4.43	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 88.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	30121	5.05	ug/L		97
3) Chloromethane	3.263	50	31847	5.17	ug/L		99
4) 1,1-Dichloroethene	4.709	61	41001	5.48	ug/L		99
5) Methylene Chloride	5.364	49	81405	9.49	ug/L	#	59
6) trans-1,2-Dichloroethene	5.545	61	38019	5.42	ug/L		77
7) 1,1-Dichloroethane	6.221	63	47372	5.83	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	29895	5.58	ug/L	#	73
9) Chloroform	7.039	83	55086	5.53	ug/L		86
10) Carbon Tetrachloride	7.214	117	38069	5.72	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	46232	5.70	ug/L		87
12) Benzene	7.648	78	99059	5.41	ug/L		82
14) 1,2-Dichloroethane	7.852	62	34601	5.27	ug/L		86
15) Trichloroethene	8.214	95	30714	5.79	ug/L		92
16) 1,2-Dichloropropane	8.742	63	25454	5.54	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	33020	4.48	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	28936	4.29	ug/L	#	73
21) Tetrachloroethene	10.022	166	32646	5.95	ug/L	#	97
22) 1,4-Dichlorobenzene	13.410	146	64703	5.47	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	3731	3.91	ug/L	#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65832.D
Acq On : 10 Sep 2021 1:06 pm
Operator : CHARLENG
Sample : FA88755-2ms
Misc : MS49753,VZ2589,,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:23:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Fri Sep 10 14:14:16 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65833.D
Acq On : 10 Sep 2021 1:27 pm
Operator : CHARLENG
Sample : FA88755-2msd
Misc : MS49753,VZ2589,,,,,5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 14:08:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

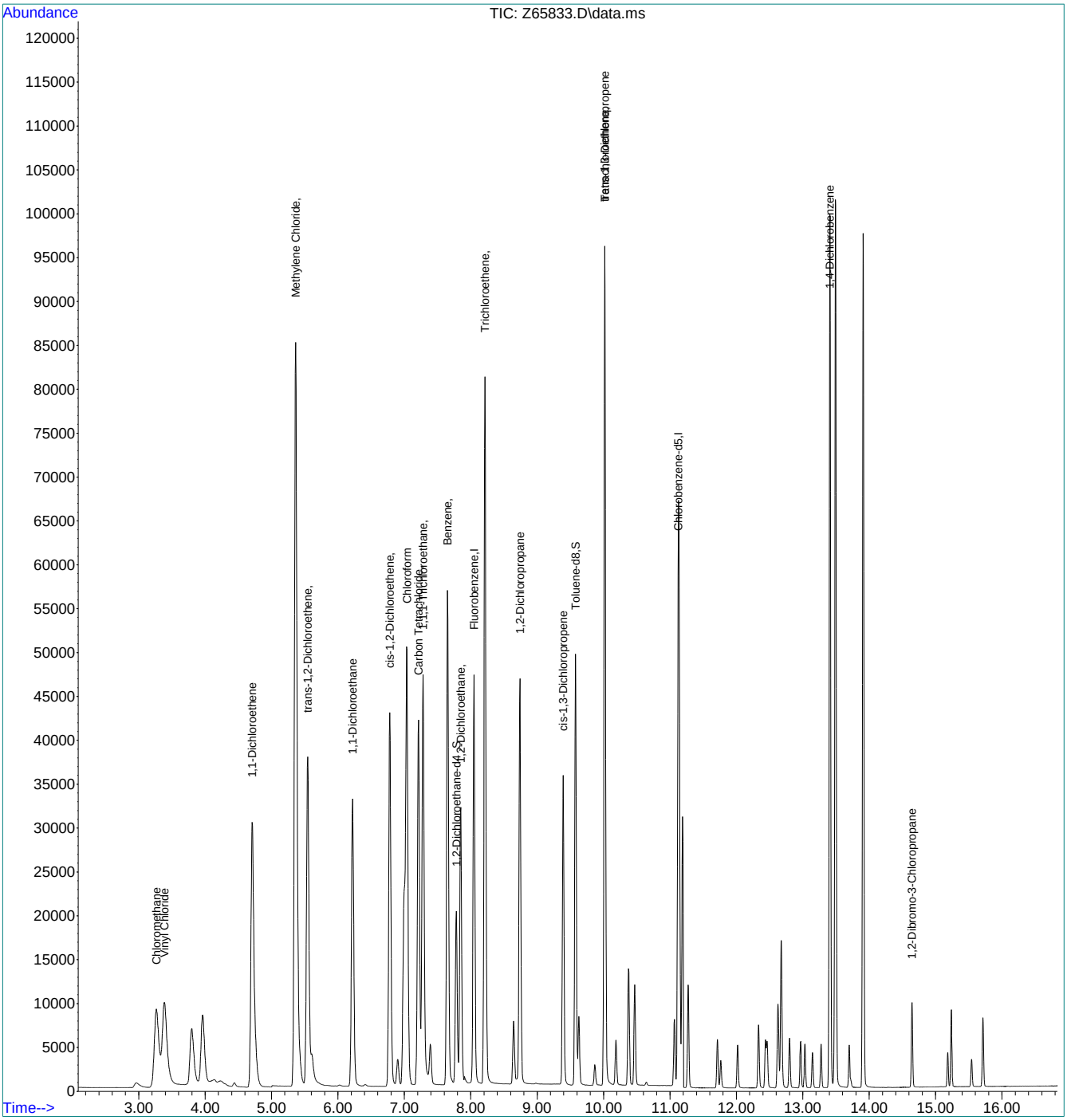
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56144	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	44831	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	18729	4.94	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%				
19) Toluene-d8	9.577	98	48567	4.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	31124	5.29	ug/L		97
3) Chloromethane	3.267	50	32401	5.32	ug/L		99
4) 1,1-Dichloroethene	4.708	61	39113	5.29	ug/L		99
5) Methylene Chloride	5.364	49	79116	9.34	ug/L	#	58
6) trans-1,2-Dichloroethene	5.545	61	36043	5.20	ug/L		75
7) 1,1-Dichloroethane	6.220	63	44736	5.57	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	28440	5.37	ug/L	#	72
9) Chloroform	7.039	83	52074	5.29	ug/L		86
10) Carbon Tetrachloride	7.213	117	35379	5.38	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	43668	5.45	ug/L		87
12) Benzene	7.648	78	93971	5.20	ug/L		81
14) 1,2-Dichloroethane	7.851	62	32791	5.06	ug/L		85
15) Trichloroethene	8.214	95	29076	5.55	ug/L		91
16) 1,2-Dichloropropane	8.742	63	24245	5.34	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	30533	4.20	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	25487	3.86	ug/L	#	72
21) Tetrachloroethene	10.017	166	31010	5.75	ug/L	#	94
22) 1,4-Dichlorobenzene	13.407	146	61844	5.32	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	3398	3.63	ug/L	#	60

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65833.D
Acq On : 10 Sep 2021 1:27 pm
Operator : CHARLENG
Sample : FA88755-2msd
Misc : MS49753,VZ2589,,,,,5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 14:08:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65106.D
Acq On : 10 Sep 2021 11:54 pm
Operator : charleng
Sample : FA88620-2MS Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 09:24:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

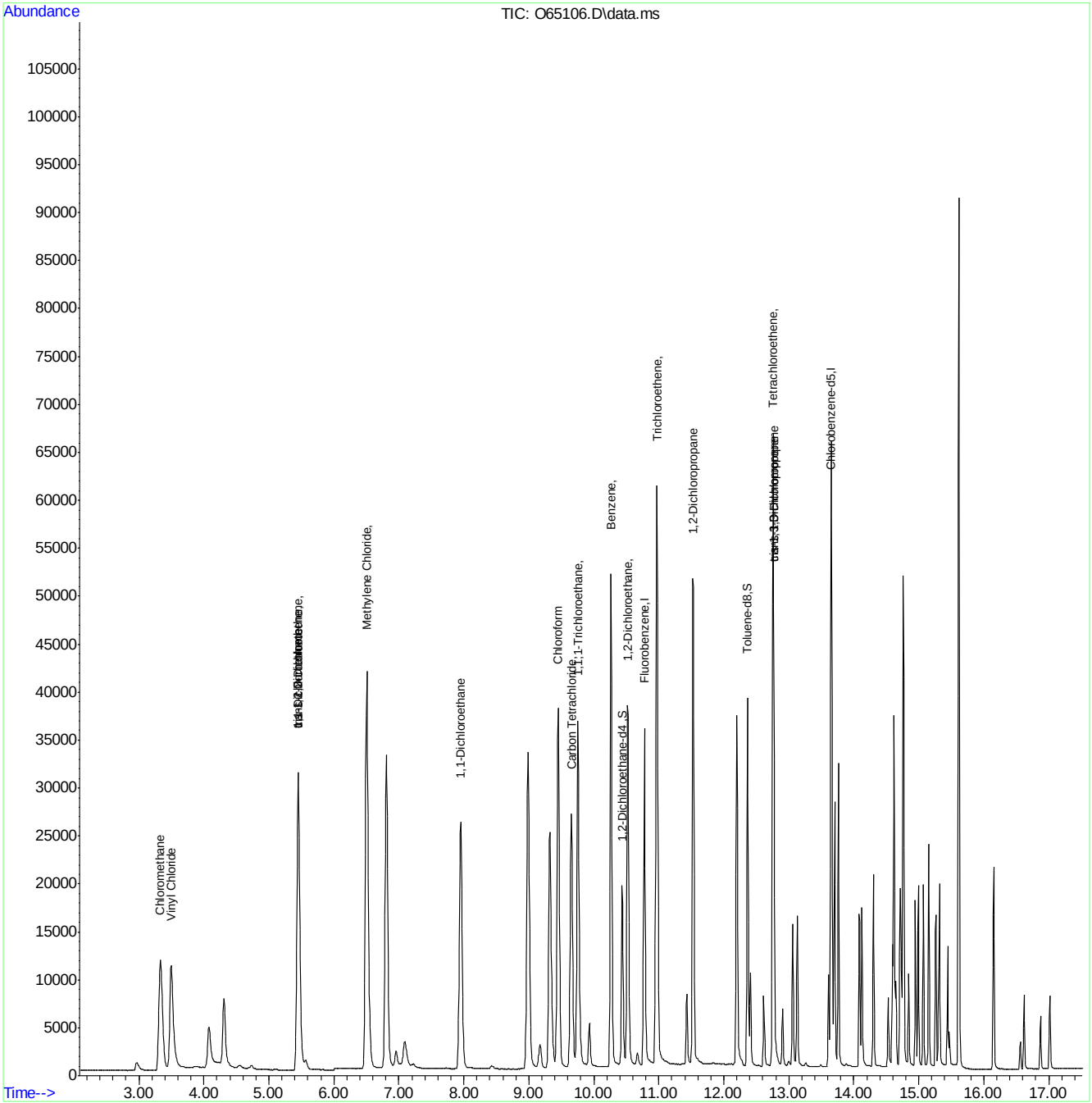
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40524	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27505	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16832	5.16	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.20%			
19) Toluene-d8	12.367	98	33060	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	27647	5.16	ug/L	99
3) Chloromethane	3.326	50	32391	4.91	ug/L	98
4) 1,1-Dichloroethene	5.452	61	42805	5.85	ug/L	82
5) Methylene Chloride	6.501	49	49660	6.08	ug/L	89
6) trans-1,2-Dichloroethene	5.452	61	42805	5.85	ug/L	78
7) 1,1-Dichloroethane	7.951	63	46214	5.87	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	20872	5.78	ug/L	90
9) Chloroform	9.450	83	42895	5.50	ug/L	98
10) Carbon Tetrachloride	9.657	117	24846	5.49	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	35040	5.57	ug/L	96
12) Benzene	10.267	78	80373	5.54	ug/L	100
14) 1,2-Dichloroethane	10.519	62	40247	5.44	ug/L	89
15) Trichloroethene	10.974	95	24326	5.62	ug/L	96
16) 1,2-Dichloropropane	11.525	63	24330	5.49	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	24050	4.79	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	24050	4.86	ug/L	97
21) Tetrachloroethene	12.752	166	21399	5.69	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65106.D
Acq On : 10 Sep 2021 11:54 pm
Operator : charleng
Sample : FA88620-2MS Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 09:24:17 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65107.D
Acq On : 11 Sep 2021 12:17 am
Operator : charleng
Sample : FA88620-2MSD Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 09:24:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

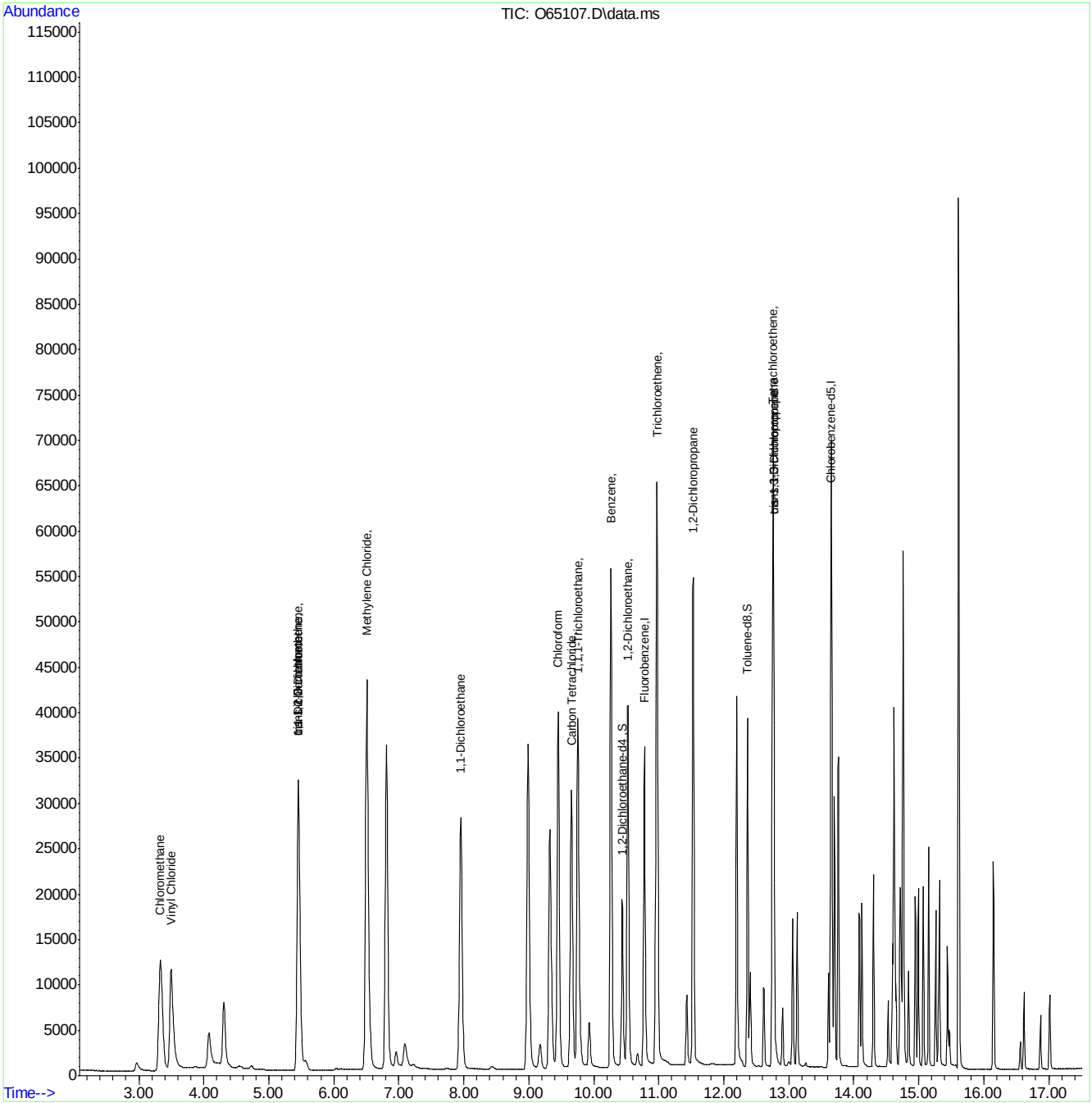
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	40029	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	27519	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	16724	5.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.00%			
19) Toluene-d8	12.367	98	32973	4.91	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	28909	5.46	ug/L	99
3) Chloromethane	3.330	50	35145	5.39	ug/L	97
4) 1,1-Dichloroethene	5.452	61	44397	6.14	ug/L	82
5) Methylene Chloride	6.506	49	51836	6.44	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	44397	6.14	ug/L	78
7) 1,1-Dichloroethane	7.951	63	48810	6.27	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	21787	6.10	ug/L	90
9) Chloroform	9.450	83	44717	5.80	ug/L	98
10) Carbon Tetrachloride	9.657	117	28059	6.28	ug/L	99
11) 1,1,1-Trichloroethane	9.758	97	37031	5.96	ug/L	95
12) Benzene	10.267	78	84642	5.91	ug/L	99
14) 1,2-Dichloroethane	10.525	62	42383	5.80	ug/L	92
15) Trichloroethene	10.974	95	25730	6.02	ug/L	96
16) 1,2-Dichloropropane	11.531	63	25716	5.87	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	28225	5.69	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	28225	5.70	ug/L	97
21) Tetrachloroethene	12.752	166	22644	6.02	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65107.D
Acq On : 11 Sep 2021 12:17 am
Operator : charleng
Sample : FA88620-2MSD Inst : MSVOA12
Misc : MS49712,VO2553,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 09:24:19 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

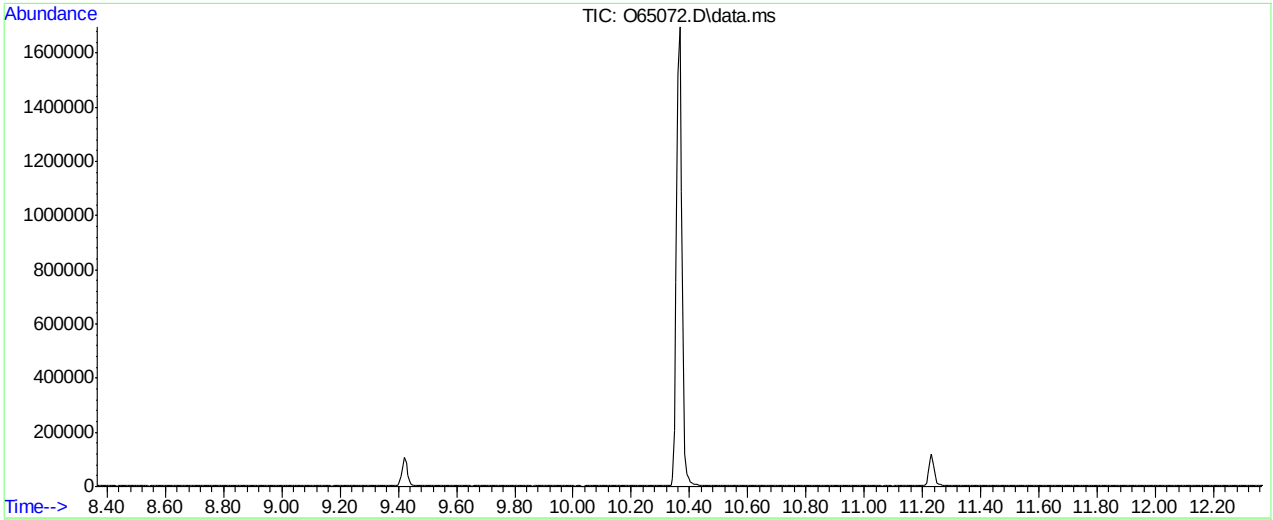


SIMCL-09-10-2021.M Sat Sep 11 09:46:32 2021 Page: 2

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-10\O65072.D Vial: 2
Acq On : 10 Sep 2021 10:49 am Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2552,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

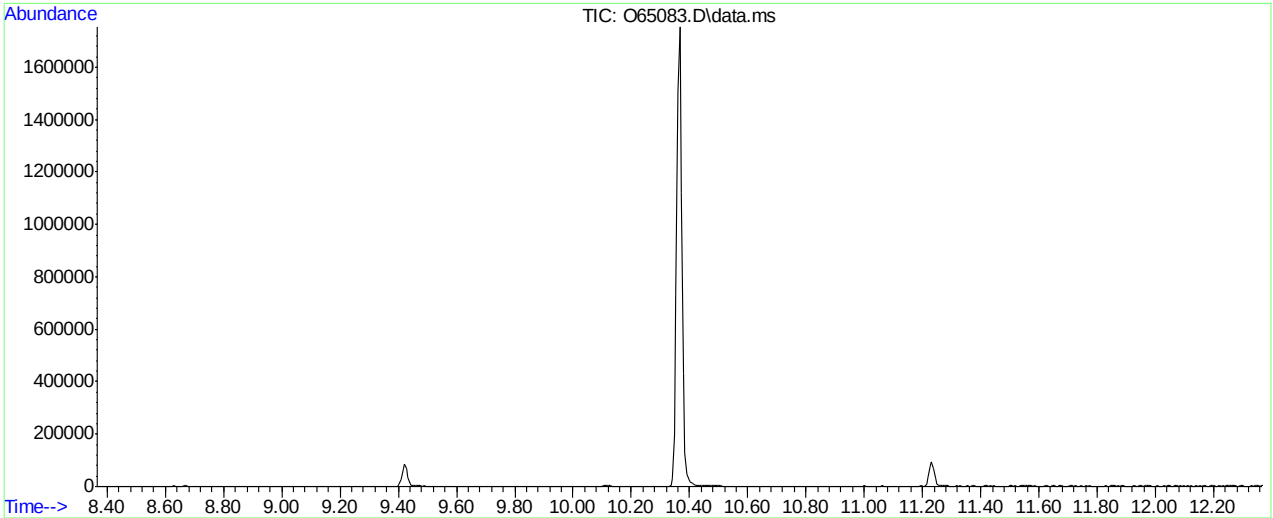
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	68112	PASS
75	95	30	60	48.0	145880	PASS
95	95	100	100	100.0	303808	PASS
96	95	5	9	6.6	20169	PASS
173	174	0.00	2	0.8	1908	PASS
174	95	50	100	75.1	228075	PASS
175	174	5	9	7.3	16729	PASS
176	174	95	101	97.6	222613	PASS
177	176	5	9	6.5	14528	PASS

O65072.D SIMCL-09-10-2021.M Fri Sep 10 14:06:31 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-10\O65083.D Vial: 2
Acq On : 10 Sep 2021 3:05 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49714,VO2553,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-10-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

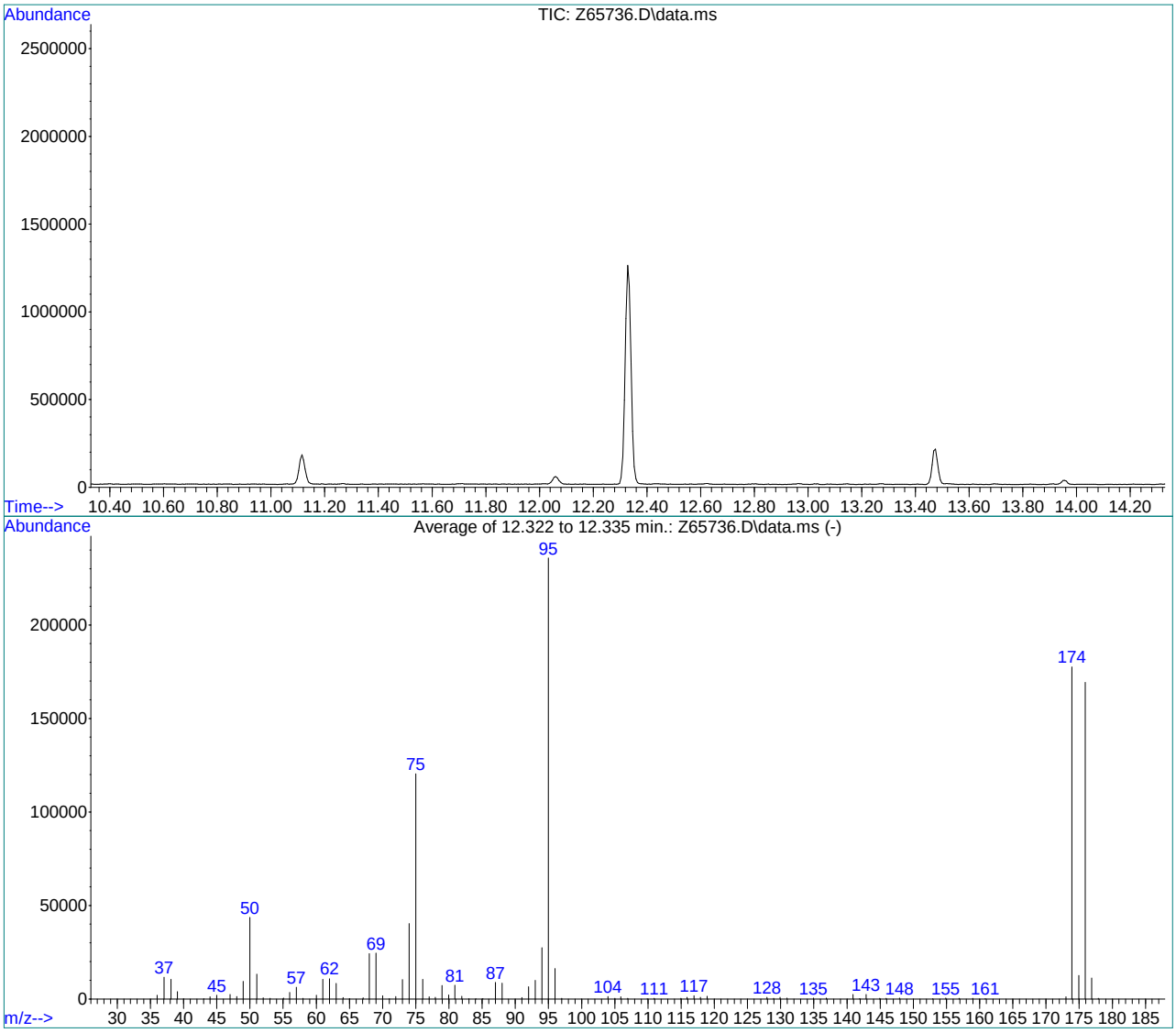
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	70264	PASS
75	95	30	60	47.8	148307	PASS
95	95	100	100	100.0	310400	PASS
96	95	5	9	7.0	21601	PASS
173	174	0.00	2	0.9	1973	PASS
174	95	50	100	74.1	230101	PASS
175	174	5	9	7.1	16345	PASS
176	174	95	101	96.3	221632	PASS
177	176	5	9	6.5	14497	PASS

O65083.D SIMCL-09-10-2021.M Sat Sep 11 09:29:07 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-07\Z65736.D Vial: 1
Acq On : 7 Sep 2021 8:35 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

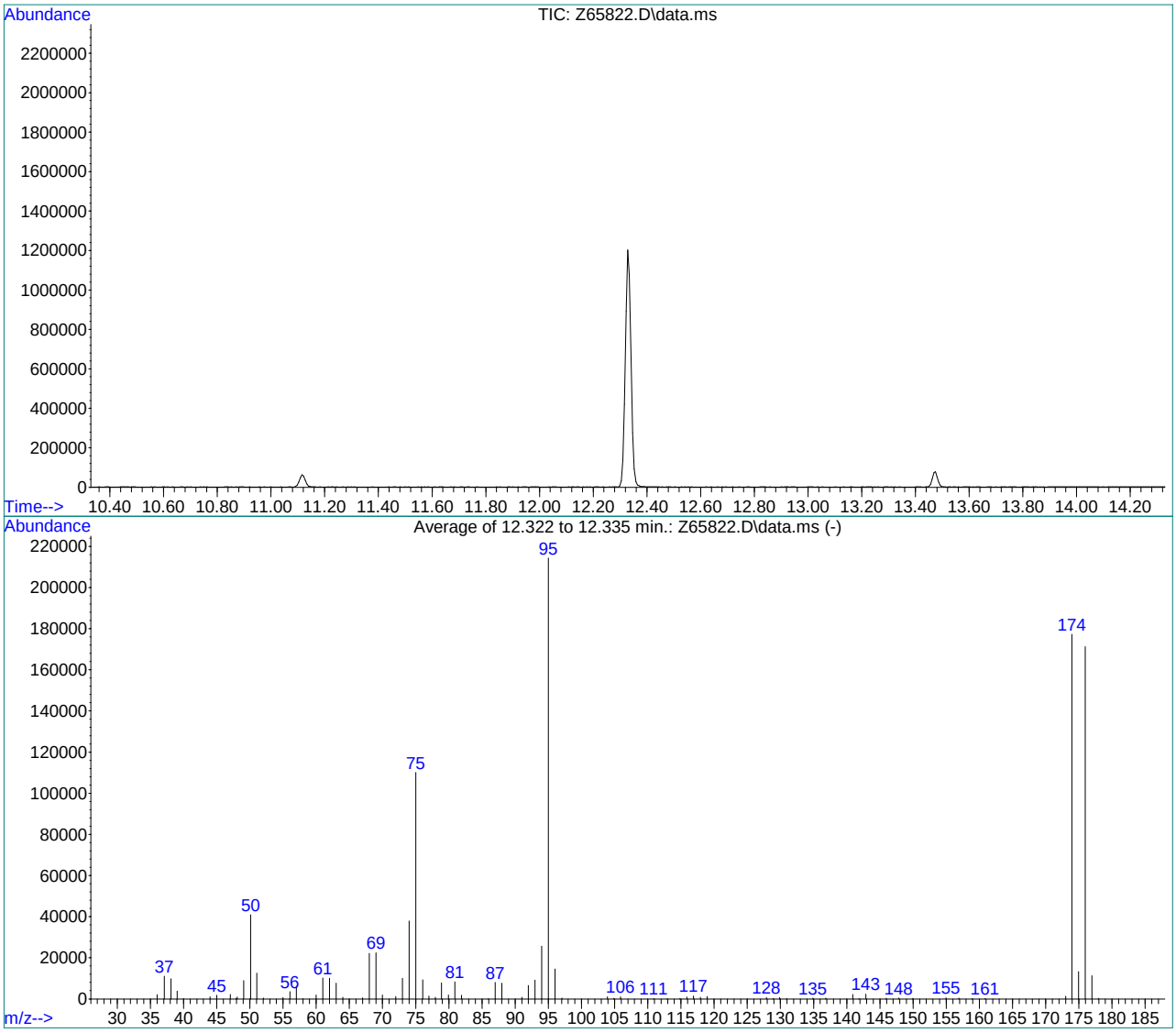
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	43592	PASS
75	95	30	60	51.1	120435	PASS
95	95	100	100	100.0	235755	PASS
96	95	5	9	6.9	16239	PASS
173	174	0.00	2	0.6	1121	PASS
174	95	50	100	75.3	177536	PASS
175	174	5	9	7.1	12644	PASS
176	174	95	101	95.3	169256	PASS
177	176	5	9	6.7	11265	PASS

Z65736.D SIMCL-09-02-2021.M Tue Sep 07 11:09:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-10\Z65822.D Vial: 2
Acq On : 10 Sep 2021 9:42 am Operator: CHARLENG
Sample : BFB Inst : MSVOA15
Misc : MS49709,VZ2589,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	40965	PASS
75	95	30	60	51.3	110035	PASS
95	95	100	100	100.0	214315	PASS
96	95	5	9	6.8	14538	PASS
173	174	0.00	2	0.7	1280	PASS
174	95	50	100	82.7	177301	PASS
175	174	5	9	7.5	13250	PASS
176	174	95	101	96.6	171315	PASS
177	176	5	9	6.6	11269	PASS

Z65822.D SIMCL-09-07-2021.M Fri Sep 10 10:34:24 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/10/21 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration

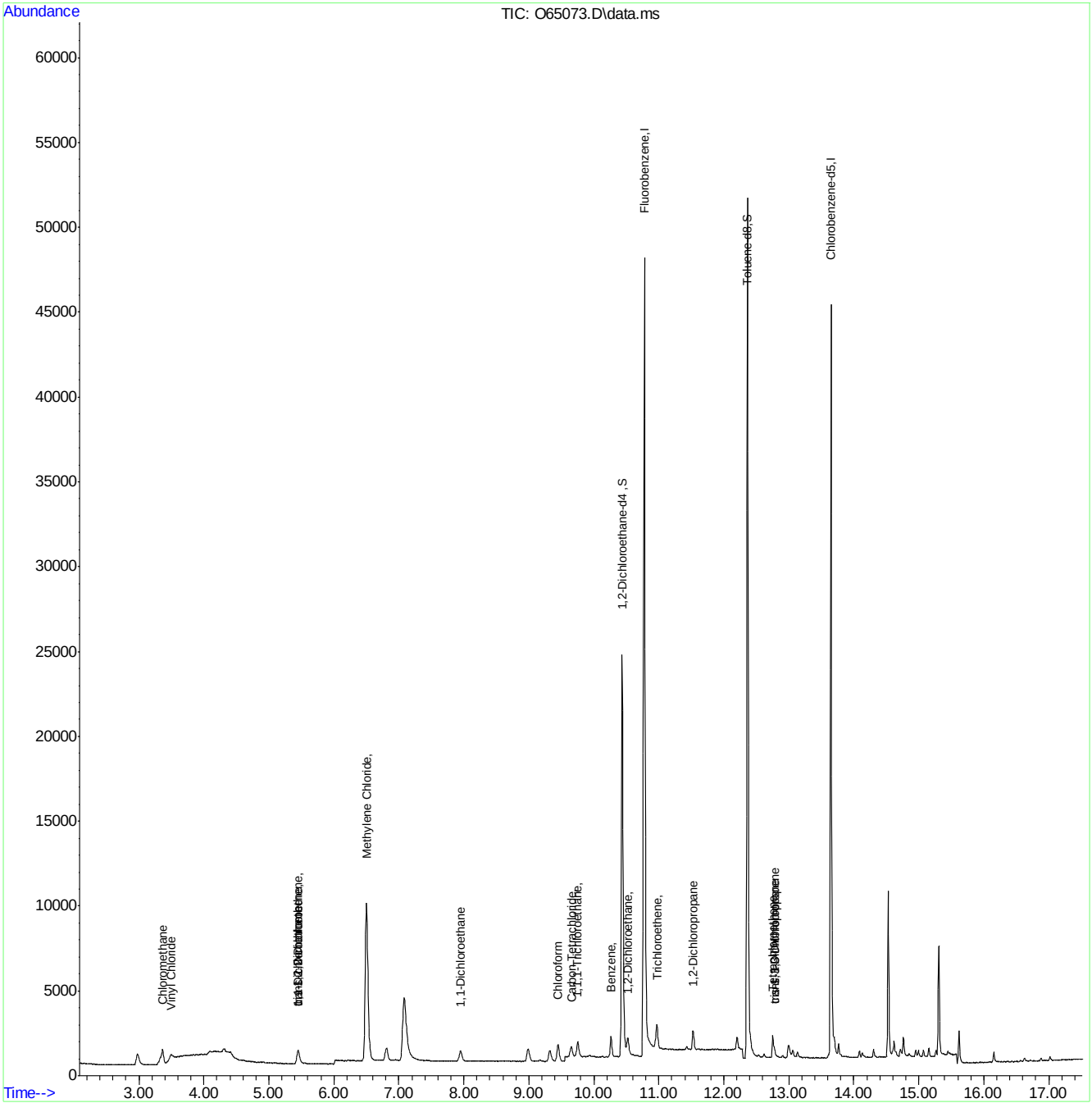
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	55750	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	38262	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	22488	4.99	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.80%				
19) Toluene-d8	12.367	98	45556	5.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.494	62	841	0.13	ug/L		84
3) Chloromethane	3.364	50	2159m	0.19	ug/L		
4) 1,1-Dichloroethene	5.448	61	1050	0.12	ug/L		87
5) Methylene Chloride	6.501	49	10969	0.95	ug/L		92
6) trans-1,2-Dichloroethene	5.448	61	1050	0.12	ug/L		81
7) 1,1-Dichloroethane	7.945	63	1100	0.12	ug/L		97
8) cis-1,2-Dichloroethene	5.452	96	510	0.10	ug/L	#	80
9) Chloroform	9.450	83	1197m	0.11	ug/L		
10) Carbon Tetrachloride	9.657	117	590m	0.15	ug/L		
11) 1,1,1-Trichloroethane	9.752	97	899	0.13	ug/L		95
12) Benzene	10.267	78	2053	0.11	ug/L		100
14) 1,2-Dichloroethane	10.525	62	1002	0.13	ug/L		90
15) Trichloroethene	10.974	95	614	0.11	ug/L		95
16) 1,2-Dichloropropane	11.525	63	604	0.12	ug/L		88
17) cis-1,3-Dichloropropene	12.780	75	539	0.09	ug/L		97
20) trans-1,3-Dichloropropene	12.780	75	539	0.09	ug/L		91
21) Tetrachloroethene	12.752	166	518	0.12	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:39:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration



Manual Integration Approval Summary

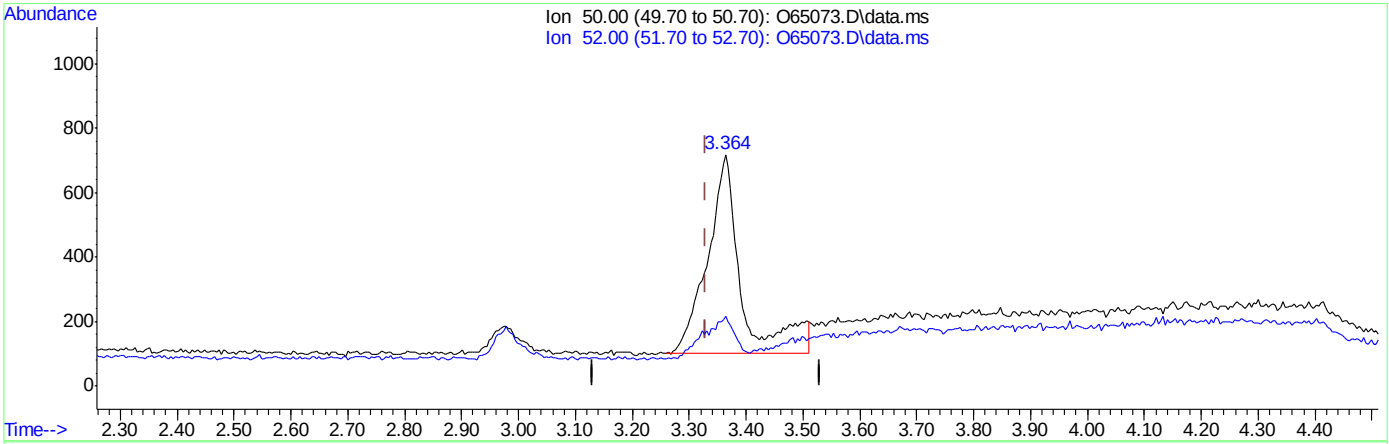
Sample Number: VO2552-IC2552
Lab FileID: O65073.D
Injection Time: 09/10/21 11:12
Method: SW846 8260B BY SIM
Analyst approved: 09/10/21 14:39 Charlene Gonzalez
Supervisor approved: 09/10/21 16:39 Sean Pioro

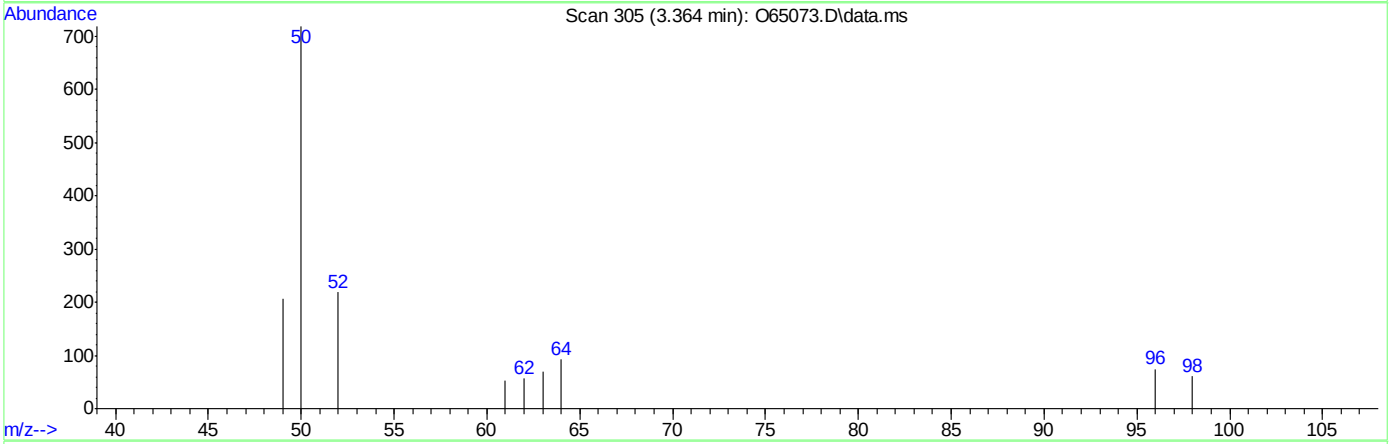
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.36	Overlapping peak
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(3) Chloromethane

3.364min (+0.034) 0.22ug/L

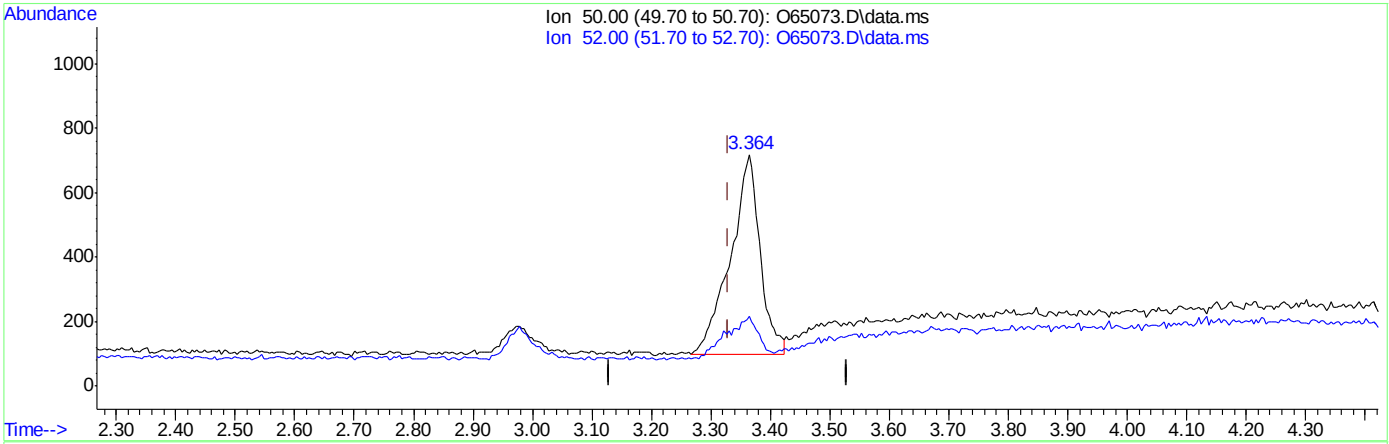
response 2513

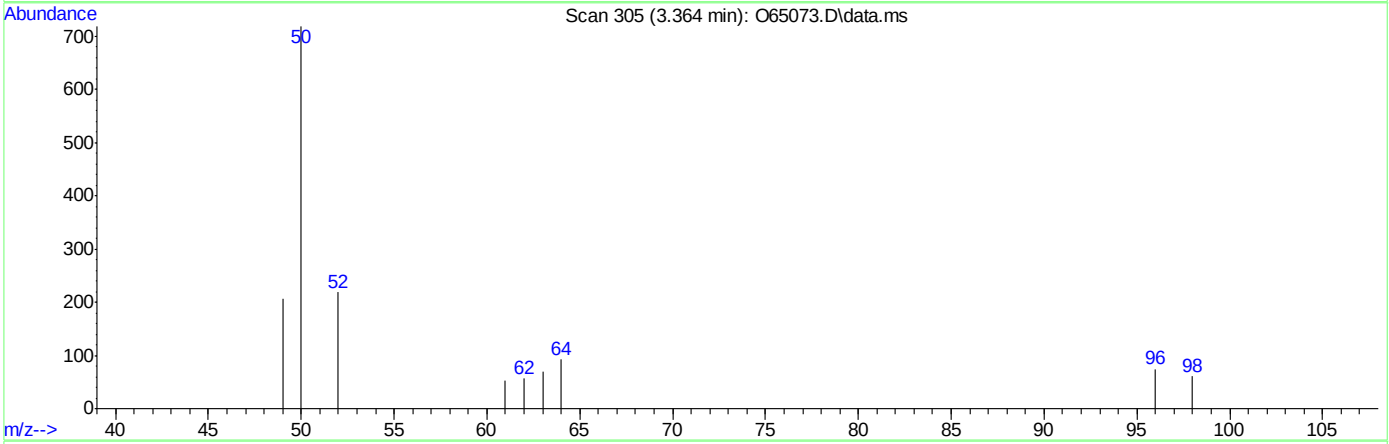
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	21.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(3) Chloromethane

3.364min (+0.034) 0.19ug/L m

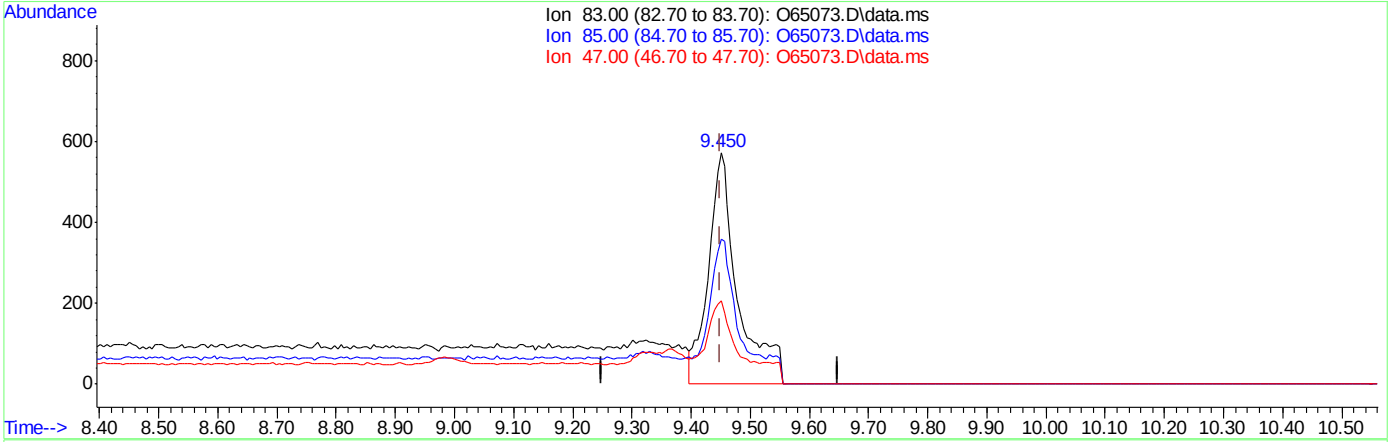
response 2159

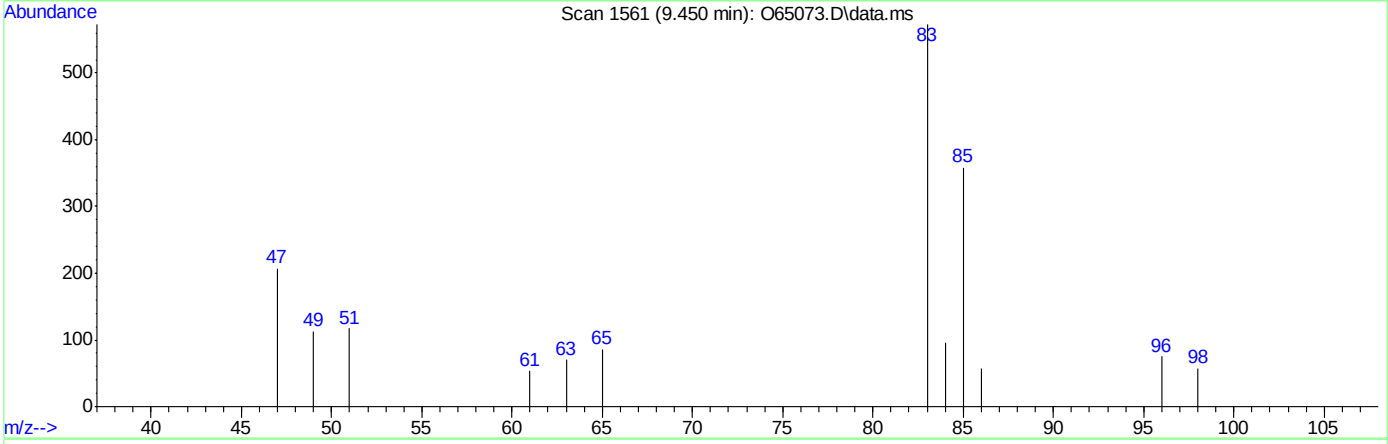
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	30.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.19ug/L

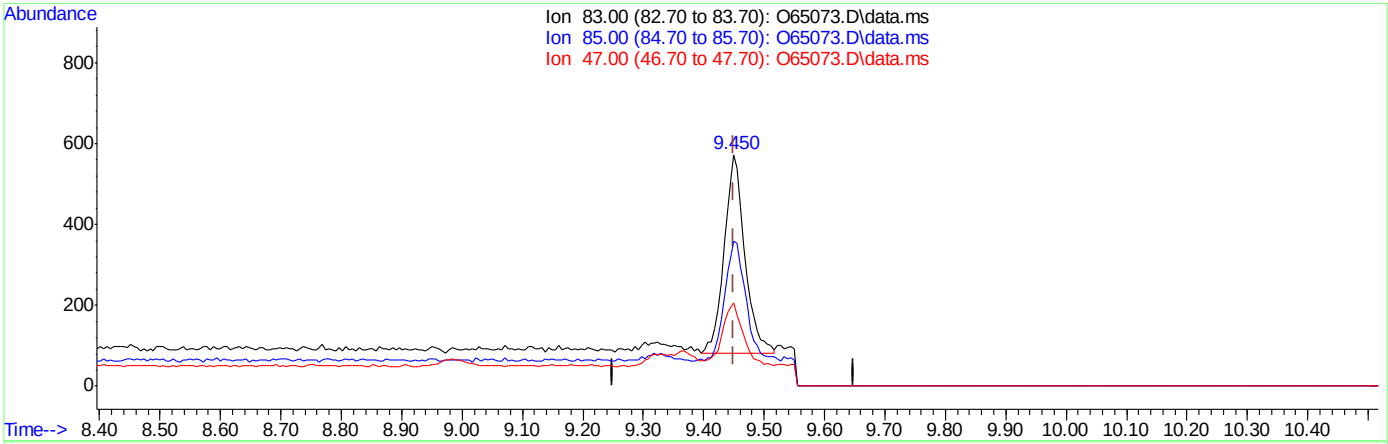
response 1999

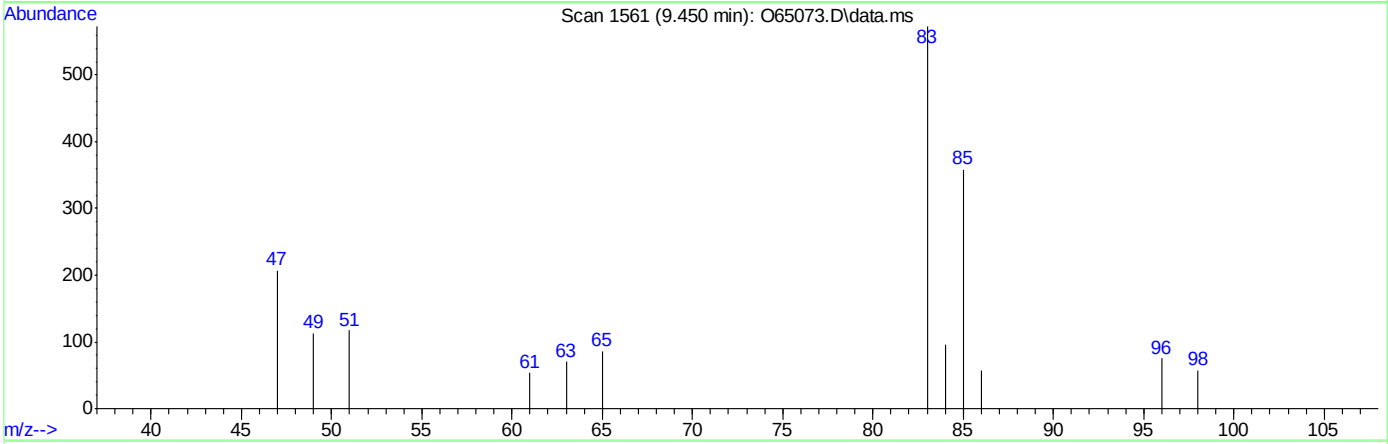
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.48
47.00	35.10	36.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.11ug/L m

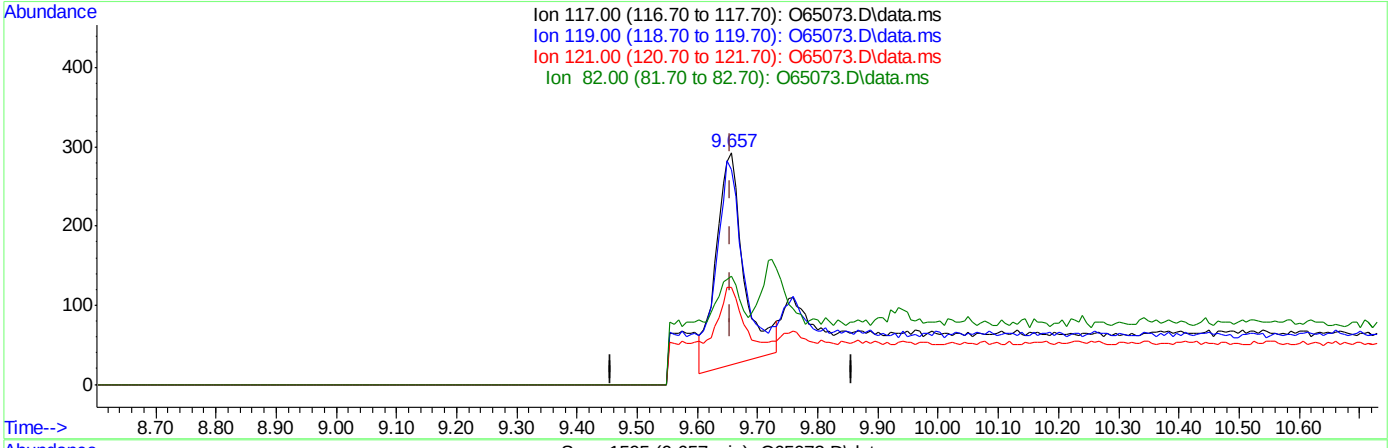
response 1197

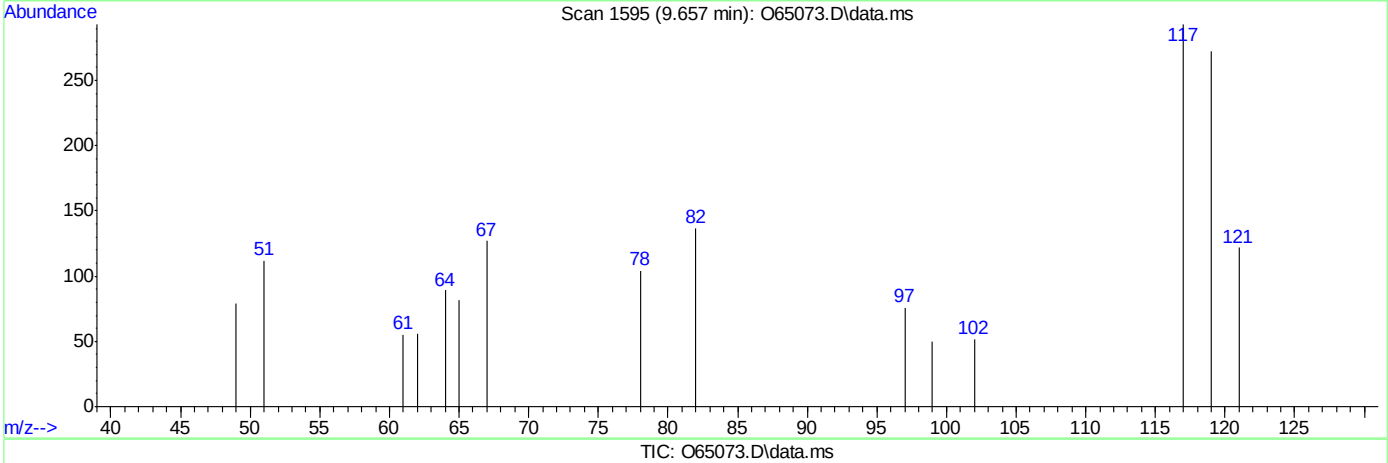
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.48
47.00	35.10	36.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.21ug/L

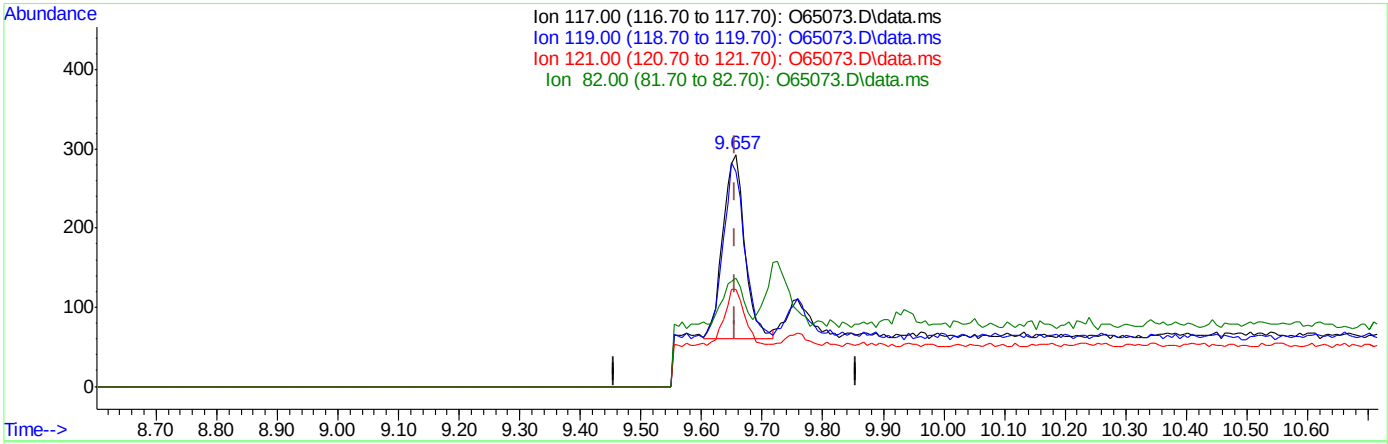
response 859

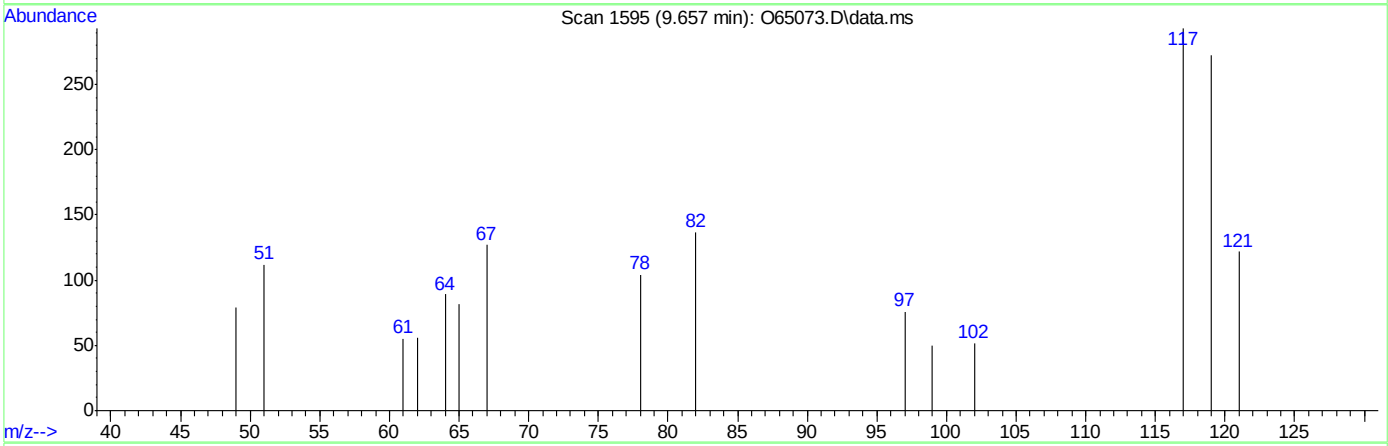
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	90.52
121.00	31.10	29.31
82.00	24.20	23.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65073.D
Acq On : 10 Sep 2021 11:12 am
Operator : charleng
Sample : ic2552-1 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 11:38:47 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 16:22:48 2021
Response via : Initial Calibration





TIC: O65073.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.15ug/L m

response 590

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	92.83
121.00	31.10	41.64
82.00	24.20	46.76

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro 09/10/21 16:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration

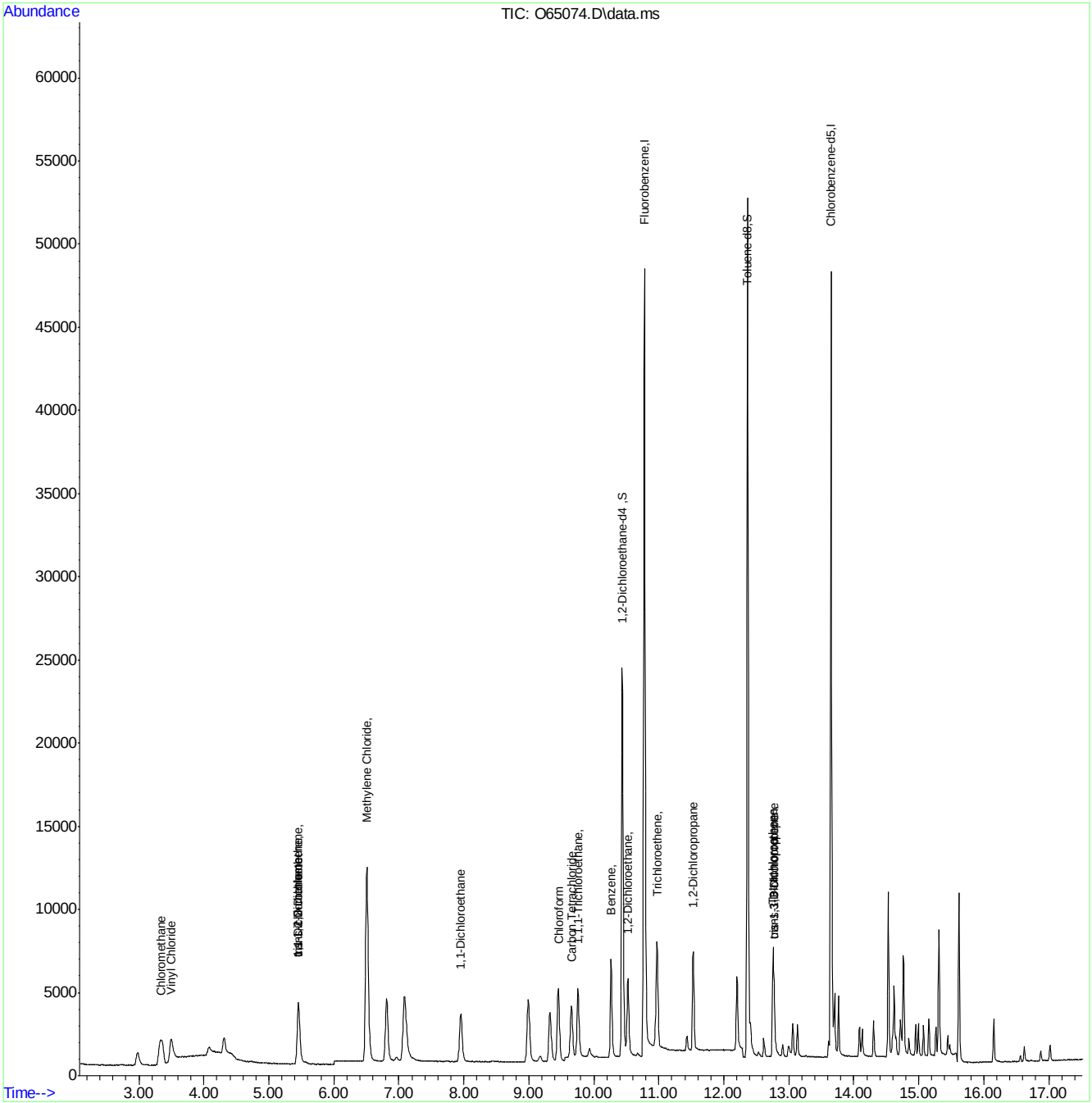
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	54844	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	37159	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	22373	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	12.367	98	45398	5.55	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	3566	0.56	ug/L	93
3) Chloromethane	3.339	50	5297	0.52	ug/L	100
4) 1,1-Dichloroethene	5.452	61	4684	0.53	ug/L	85
5) Methylene Chloride	6.506	49	13358	0.49	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	4684	0.53	ug/L	80
7) 1,1-Dichloroethane	7.951	63	5235	0.55	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	2355	0.48	ug/L #	85
9) Chloroform	9.456	83	5031m	0.48	ug/L	
10) Carbon Tetrachloride	9.657	117	2921m	0.65	ug/L	
11) 1,1,1-Trichloroethane	9.758	97	3965	0.53	ug/L	95
12) Benzene	10.267	78	9542	0.53	ug/L	100
14) 1,2-Dichloroethane	10.525	62	4938	0.60	ug/L	90
15) Trichloroethene	10.974	95	2814	0.50	ug/L	96
16) 1,2-Dichloropropane	11.531	63	2923	0.56	ug/L	86
17) cis-1,3-Dichloropropene	12.774	75	3204	0.53	ug/L	99
20) trans-1,3-Dichloropropene	12.774	75	3204	0.55	ug/L	95
21) Tetrachloroethene	12.752	166	2449	0.55	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:57 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:04:38 2021 Page: 2

Manual Integration Approval Summary

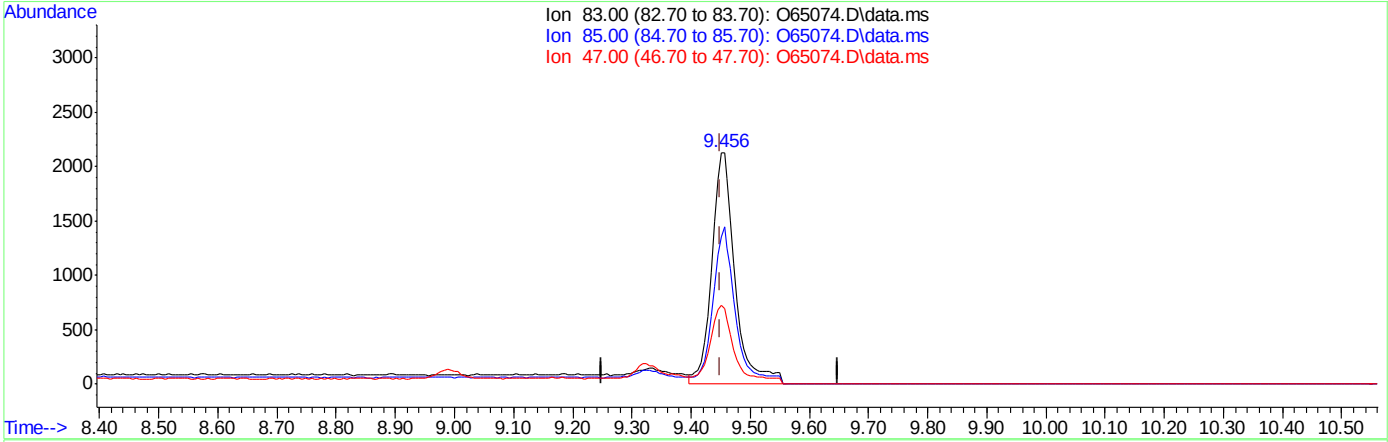
Sample Number:	VO2552-IC2552	**Method:**	SW846 8260B BY SIM
Lab FileID:	O65074.D	**Analyst approved:**	09/10/21 14:39 Charlene Gonzalez
Injection Time:	09/10/21 11:35	**Supervisor approved:**	09/10/21 16:39 Sean Pioro

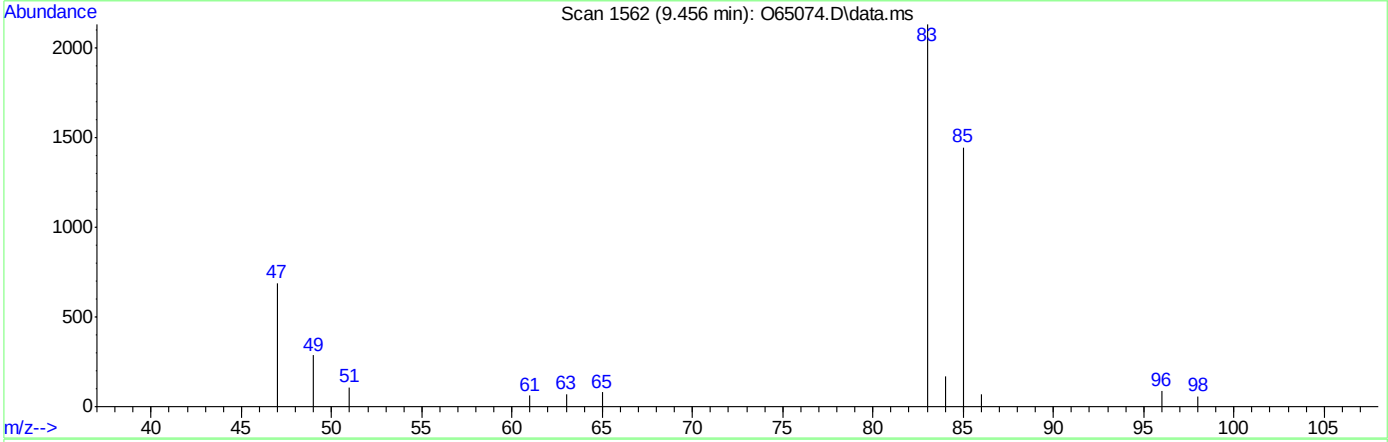
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.56ug/L

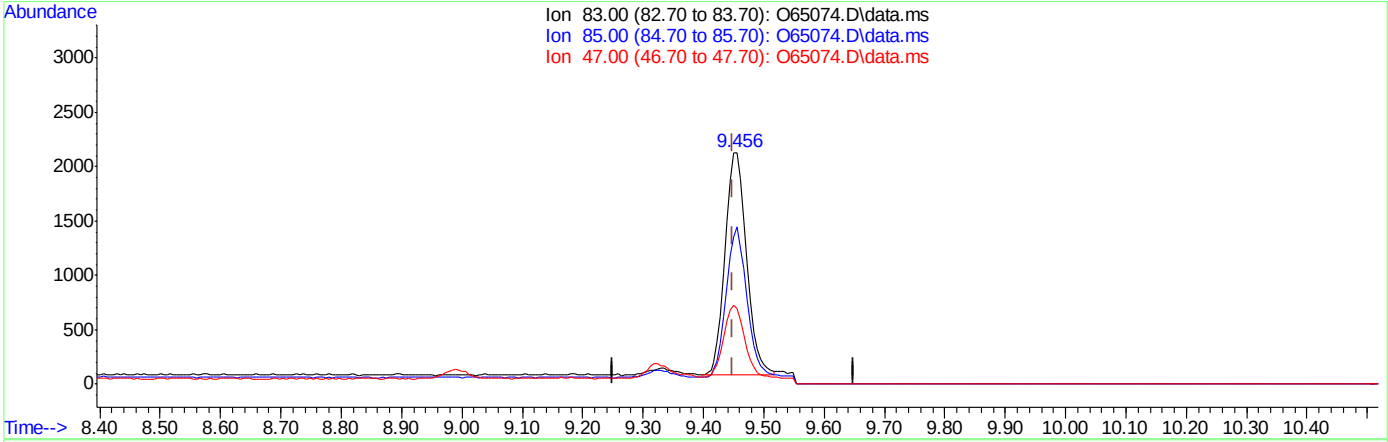
response 5890

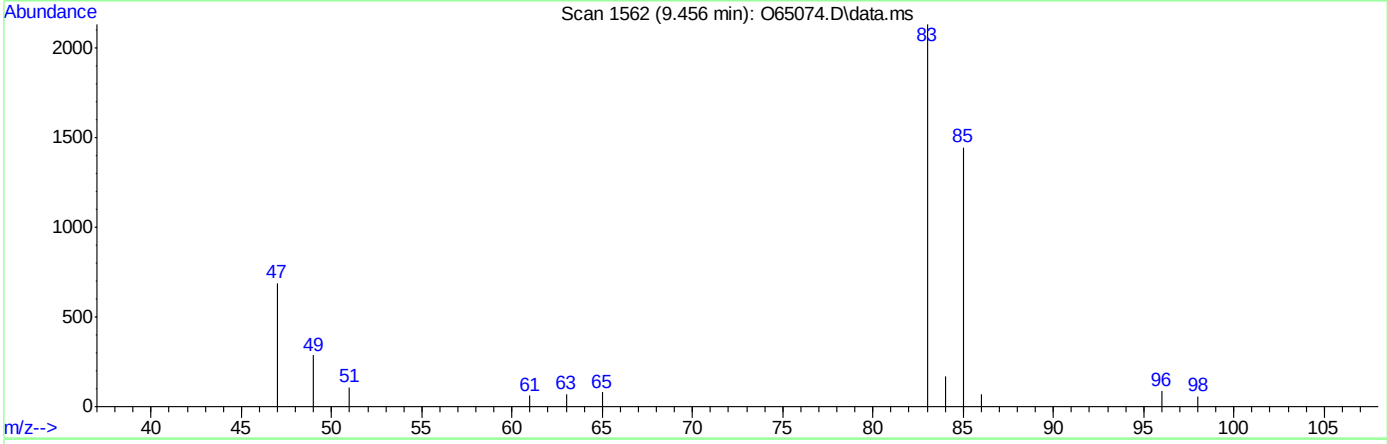
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.86
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.48ug/L m

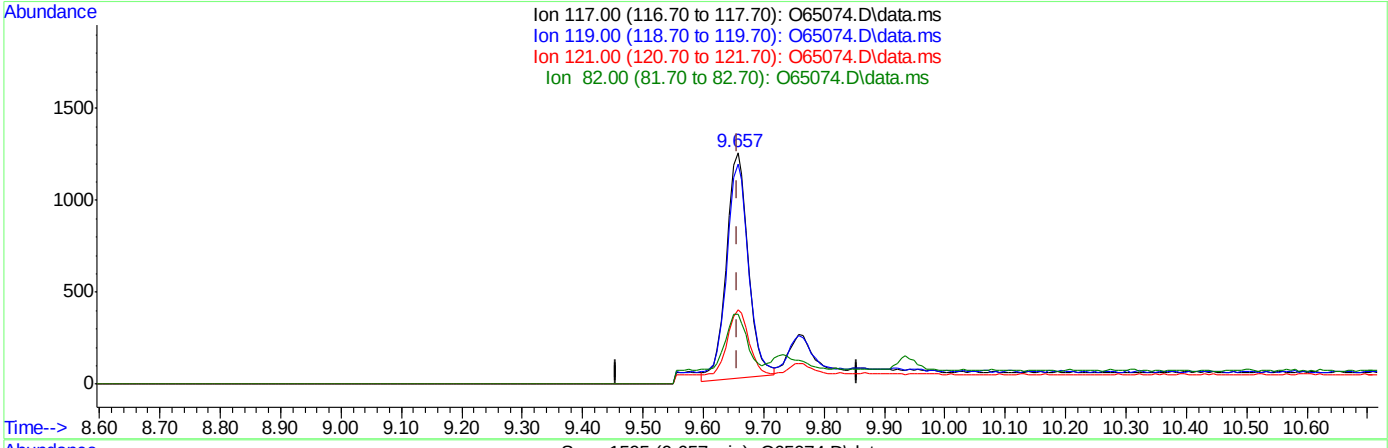
response 5031

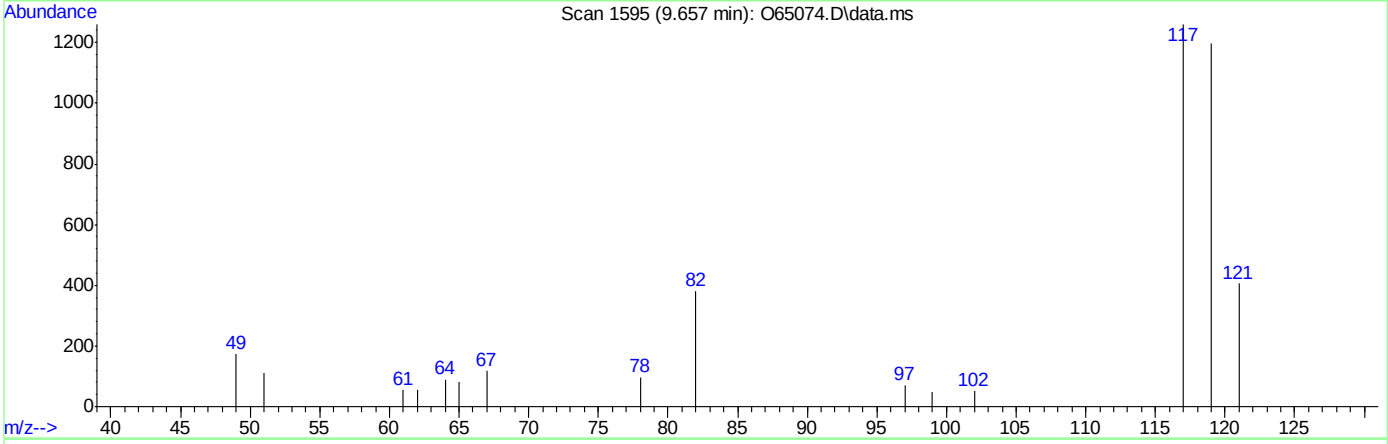
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	67.86
47.00	35.10	32.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.70ug/L

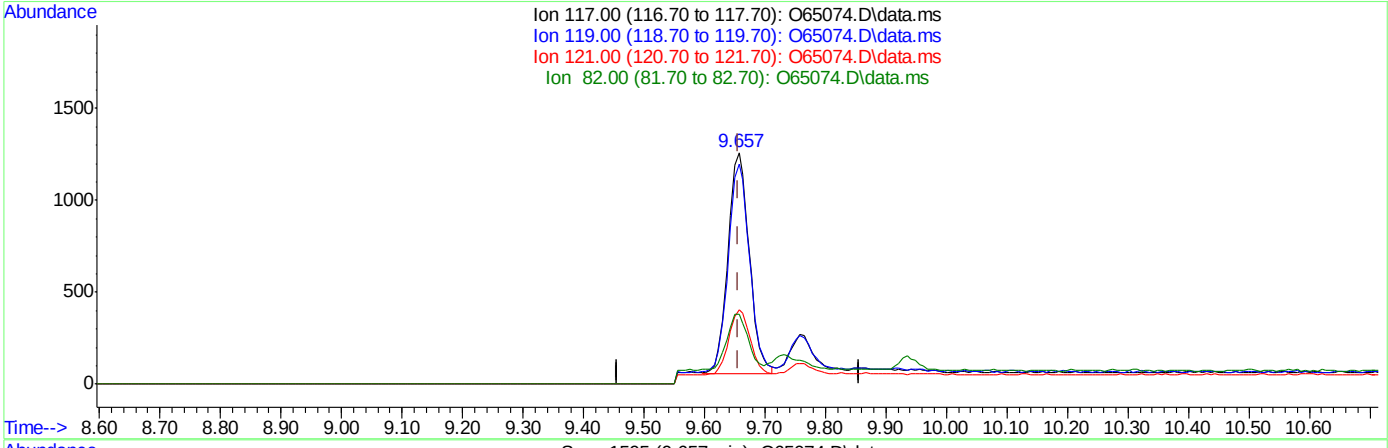
response 3134

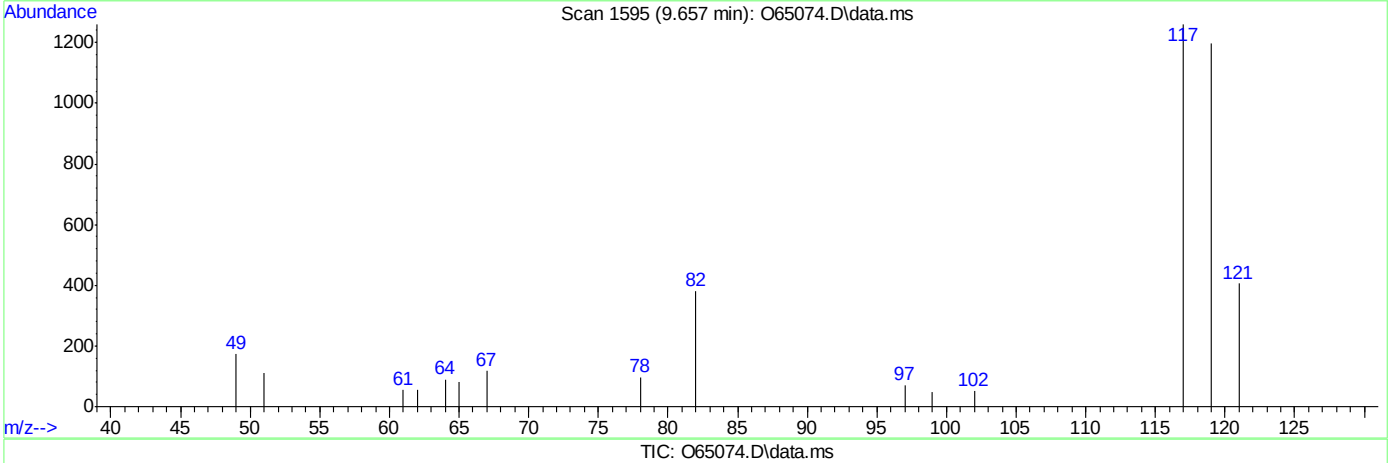
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	94.32
121.00	31.10	29.32
82.00	24.20	25.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65074.D
Acq On : 10 Sep 2021 11:35 am
Operator : charleng
Sample : ic2552-2 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 12:17:33 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 11:39:46 2021
Response via : Initial Calibration





TIC: O65074.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (+0.001) 0.65ug/L m

response 2921

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	95.00
121.00	31.10	32.14
82.00	24.20	30.32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65075.D
Acq On : 10 Sep 2021 11:58 am
Operator : charleng
Sample : ic2552-3 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 12:18:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:10 2021
Response via : Initial Calibration

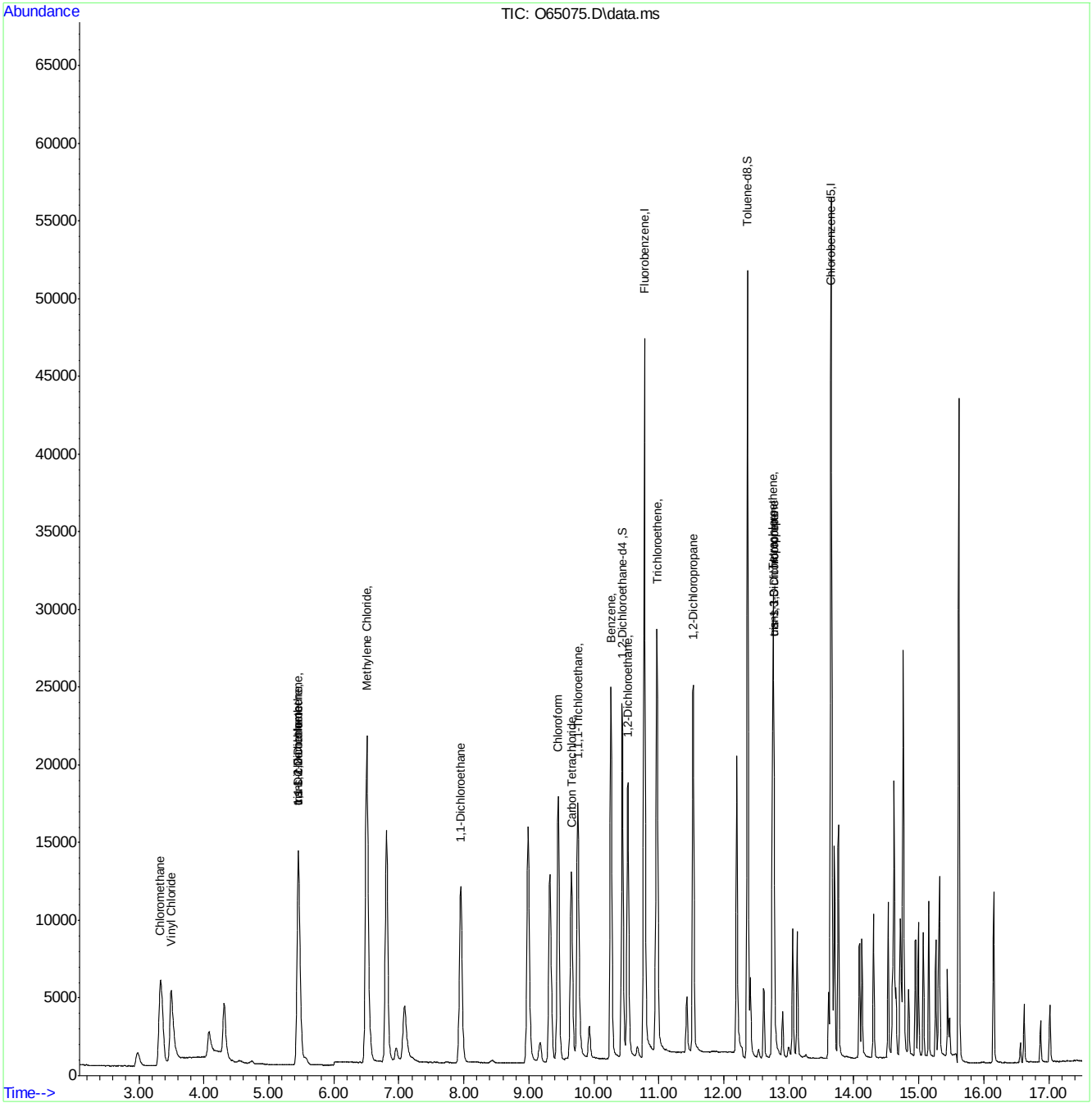
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	53041	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36580	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	21029	5.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.60%			
19) Toluene-d8	12.367	98	45429	5.57	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.40%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	12519	1.98	ug/L	99
3) Chloromethane	3.330	50	16671	1.70	ug/L	99
4) 1,1-Dichloroethene	5.452	61	19110	2.30	ug/L	83
5) Methylene Chloride	6.506	49	25762	0.97	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	19110	2.30	ug/L	79
7) 1,1-Dichloroethane	7.951	63	20456	2.24	ug/L	100
8) cis-1,2-Dichloroethene	5.452	96	9361	2.06	ug/L	89
9) Chloroform	9.450	83	20433	2.10	ug/L	98
10) Carbon Tetrachloride	9.656	117	11750	2.51	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	16175	2.24	ug/L	96
12) Benzene	10.267	78	37530	2.16	ug/L	100
14) 1,2-Dichloroethane	10.525	62	19239	2.40	ug/L	92
15) Trichloroethene	10.974	95	11174	2.08	ug/L	96
16) 1,2-Dichloropropane	11.531	63	11506	2.28	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	12562	2.09	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	12562	2.13	ug/L	96
21) Tetrachloroethene	12.752	166	10019	2.30	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65075.D
Acq On : 10 Sep 2021 11:58 am
Operator : charleng
Sample : ic2552-3 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 12:18:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:10 2021
Response via : Initial Calibration



SIMCL-09-10-2021.M Fri Sep 10 14:04:40 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65076.D
Acq On : 10 Sep 2021 12:21 pm
Operator : charleng
Sample : ic2552-4 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:08:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:26 2021
Response via : Initial Calibration

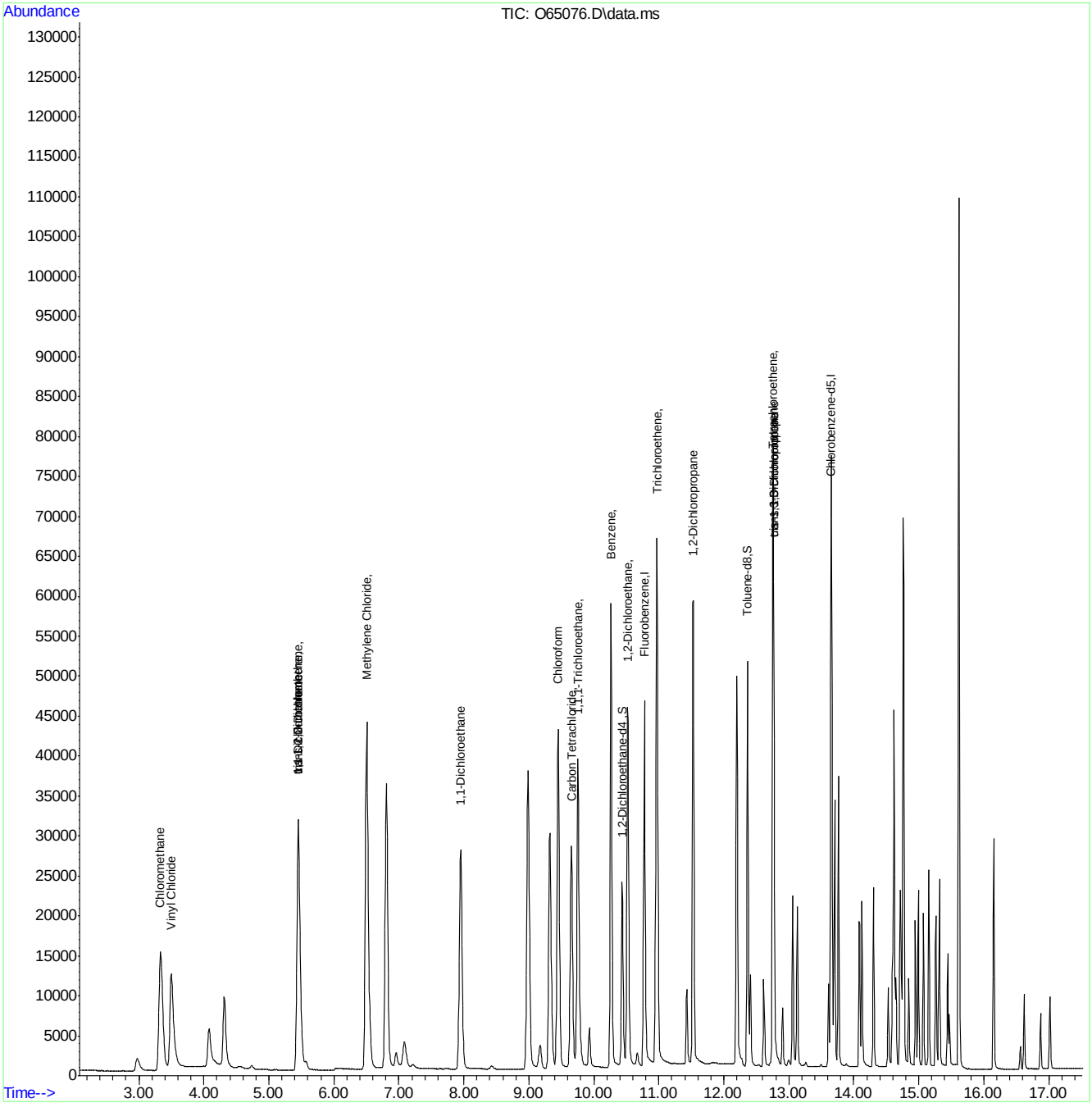
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	52516	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35504	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20974	5.13	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.60%			
19) Toluene-d8	12.367	98	43624	5.40	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	33018	5.24	ug/L	99
3) Chloromethane	3.331	50	43017	4.46	ug/L	98
4) 1,1-Dichloroethene	5.452	61	45139	5.29	ug/L	83
5) Methylene Chloride	6.501	49	54566	2.14	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	45139	5.29	ug/L	79
7) 1,1-Dichloroethane	7.951	63	49210	5.32	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	22247	4.90	ug/L	89
9) Chloroform	9.450	83	48989	5.05	ug/L	97
10) Carbon Tetrachloride	9.657	117	26447	5.46	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	38659	5.25	ug/L	97
12) Benzene	10.267	78	90876	5.16	ug/L	100
14) 1,2-Dichloroethane	10.519	62	47862	5.81	ug/L	90
15) Trichloroethene	10.974	95	26600	4.95	ug/L	96
16) 1,2-Dichloropropane	11.531	63	28170	5.47	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	31462	5.19	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	31462	5.39	ug/L	98
21) Tetrachloroethene	12.752	166	23538	5.42	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65076.D
Acq On : 10 Sep 2021 12:21 pm
Operator : charleng
Sample : ic2552-4 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:08:20 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 12:18:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65077.D
Acq On : 10 Sep 2021 12:44 pm
Operator : charleng
Sample : icC2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:08:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:36 2021
Response via : Initial Calibration

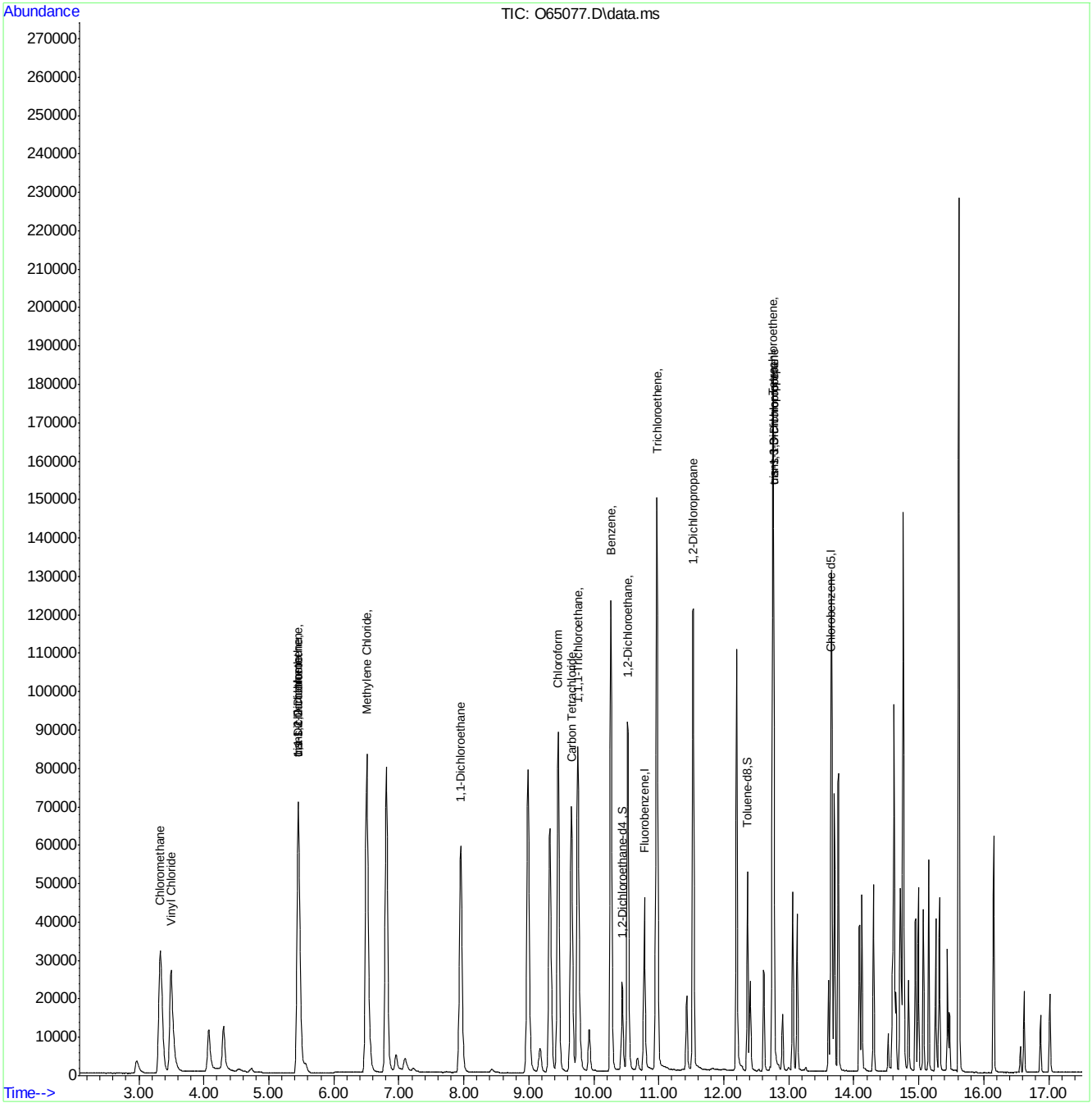
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51001	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35442	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20464	5.13	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.60%			
19) Toluene-d8	12.367	98	43020	5.23	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	70141	11.28	ug/L	98
3) Chloromethane	3.330	50	87160	9.17	ug/L	97
4) 1,1-Dichloroethene	5.452	61	96565	11.41	ug/L	84
5) Methylene Chloride	6.501	49	100680	4.07	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	96565	11.41	ug/L	79
7) 1,1-Dichloroethane	7.951	63	103014	11.23	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47817	10.82	ug/L	88
9) Chloroform	9.450	83	98955	10.43	ug/L	98
10) Carbon Tetrachloride	9.656	117	64700	13.12	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	84272	11.58	ug/L	97
12) Benzene	10.267	78	188813	10.89	ug/L	100
14) 1,2-Dichloroethane	10.518	62	95658	11.51	ug/L	90
15) Trichloroethene	10.974	95	58499	11.13	ug/L	96
16) 1,2-Dichloropropane	11.531	63	57709	11.22	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	72264	12.06	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	72264	12.12	ug/L	97
21) Tetrachloroethene	12.752	166	51345	11.58	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65077.D
Acq On : 10 Sep 2021 12:44 pm
Operator : charleng
Sample : icC2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:08:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65078.D
Acq On : 10 Sep 2021 1:06 pm
Operator : charleng
Sample : ic2552-6 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:25:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:51 2021
Response via : Initial Calibration

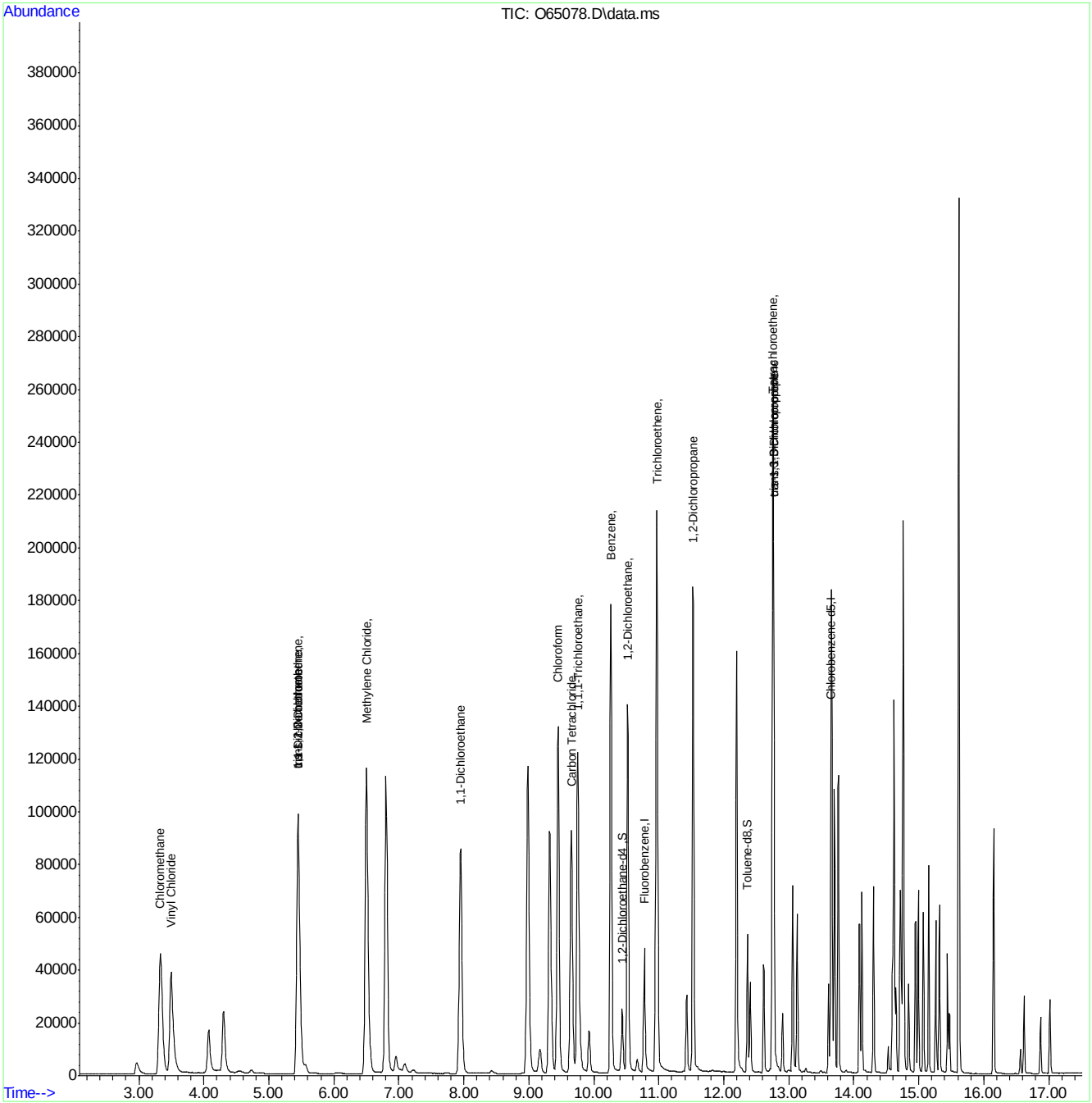
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	52609	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	36410	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	21198	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	12.367	98	45191	5.25	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	101893	15.37	ug/L	98
3) Chloromethane	3.330	50	123582	12.27	ug/L	98
4) 1,1-Dichloroethene	5.448	61	140780	15.62	ug/L	83
5) Methylene Chloride	6.501	49	143547	5.59	ug/L	92
6) trans-1,2-Dichloroethene	5.448	61	140780	15.62	ug/L	79
7) 1,1-Dichloroethane	7.951	63	152147	15.61	ug/L	98
8) cis-1,2-Dichloroethene	5.448	96	69692	15.10	ug/L	89
9) Chloroform	9.450	83	147816	14.94	ug/L	97
10) Carbon Tetrachloride	9.656	117	87902	16.03	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	122498	15.80	ug/L	97
12) Benzene	10.267	78	279910	15.34	ug/L	100
14) 1,2-Dichloroethane	10.518	62	143882	16.12	ug/L	90
15) Trichloroethene	10.974	95	83011	14.99	ug/L	96
16) 1,2-Dichloropropane	11.525	63	86610	15.82	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	104672	16.36	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	104672	16.45	ug/L	96
21) Tetrachloroethene	12.752	166	74192	15.73	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65078.D
Acq On : 10 Sep 2021 1:06 pm
Operator : charleng
Sample : ic2552-6 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:25:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:08:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65079.D
Acq On : 10 Sep 2021 1:29 pm
Operator : charleng
Sample : ic2552-7 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:47:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:25:21 2021
Response via : Initial Calibration

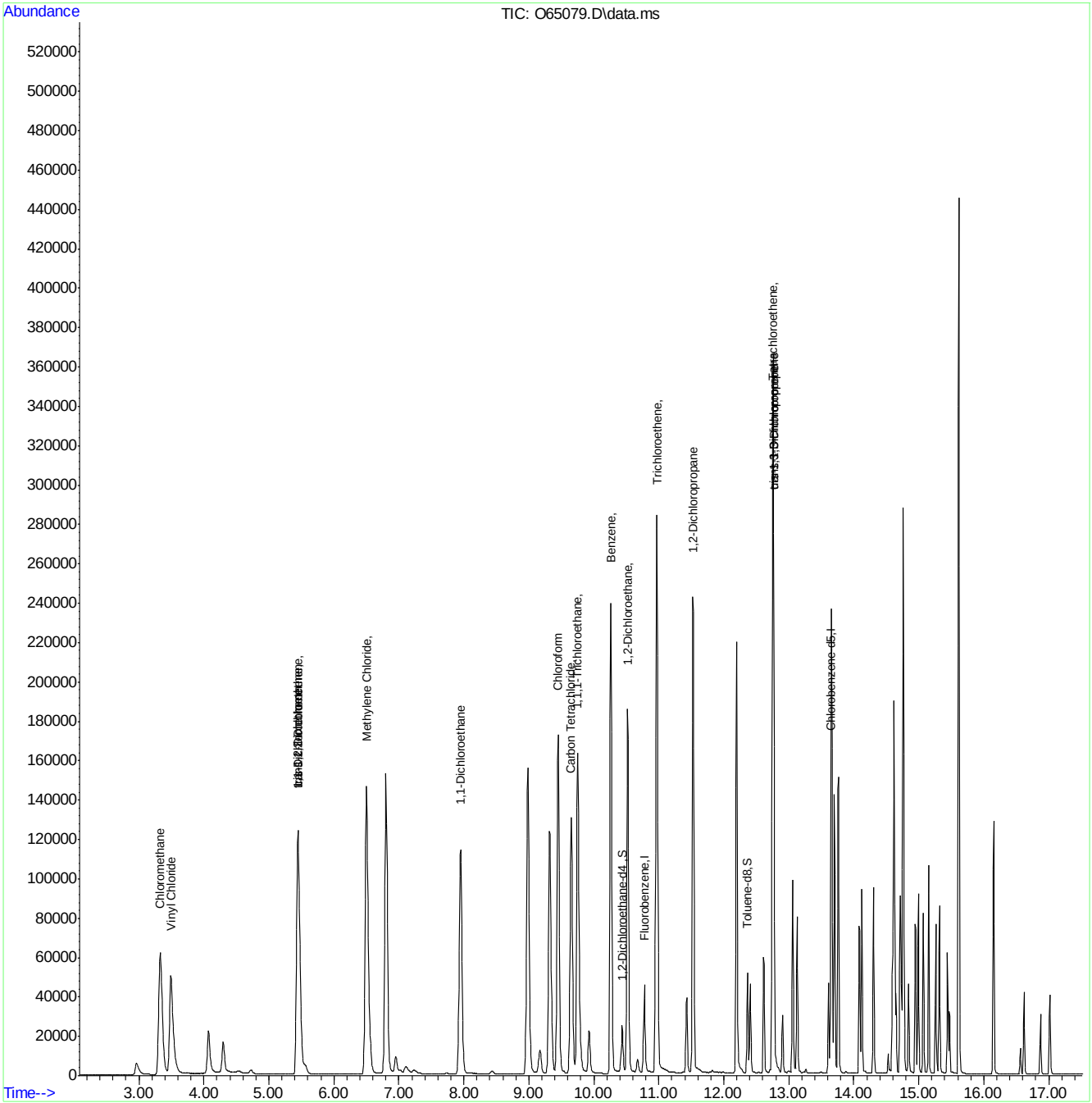
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	51115	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	35856	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20621	5.06	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.20%			
19) Toluene-d8	12.367	98	43120	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.490	62	137248	20.83	ug/L	97
3) Chloromethane	3.326	50	169616	17.05	ug/L	98
4) 1,1-Dichloroethene	5.444	61	188929	21.03	ug/L	83
5) Methylene Chloride	6.501	49	187696	7.47	ug/L	92
6) trans-1,2-Dichloroethene	5.444	61	188929	21.03	ug/L	79
7) 1,1-Dichloroethane	7.951	63	201580	20.80	ug/L	99
8) cis-1,2-Dichloroethene	5.448	96	93917	20.80	ug/L	87
9) Chloroform	9.450	83	193239	19.89	ug/L	97
10) Carbon Tetrachloride	9.650	117	121870	22.22	ug/L	97
11) 1,1,1-Trichloroethane	9.752	97	163815	21.23	ug/L	95
12) Benzene	10.267	78	372189	20.66	ug/L	99
14) 1,2-Dichloroethane	10.518	62	188407	20.94	ug/L	90
15) Trichloroethene	10.974	95	110924	20.50	ug/L	96
16) 1,2-Dichloropropane	11.525	63	114941	21.10	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	144474	23.12	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	144474	22.79	ug/L	96
21) Tetrachloroethene	12.752	166	100456	21.09	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65079.D
Acq On : 10 Sep 2021 1:29 pm
Operator : charleng
Sample : ic2552-7 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:47:03 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 13:25:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65081.D
Acq On : 10 Sep 2021 2:15 pm
Operator : charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 14:34:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

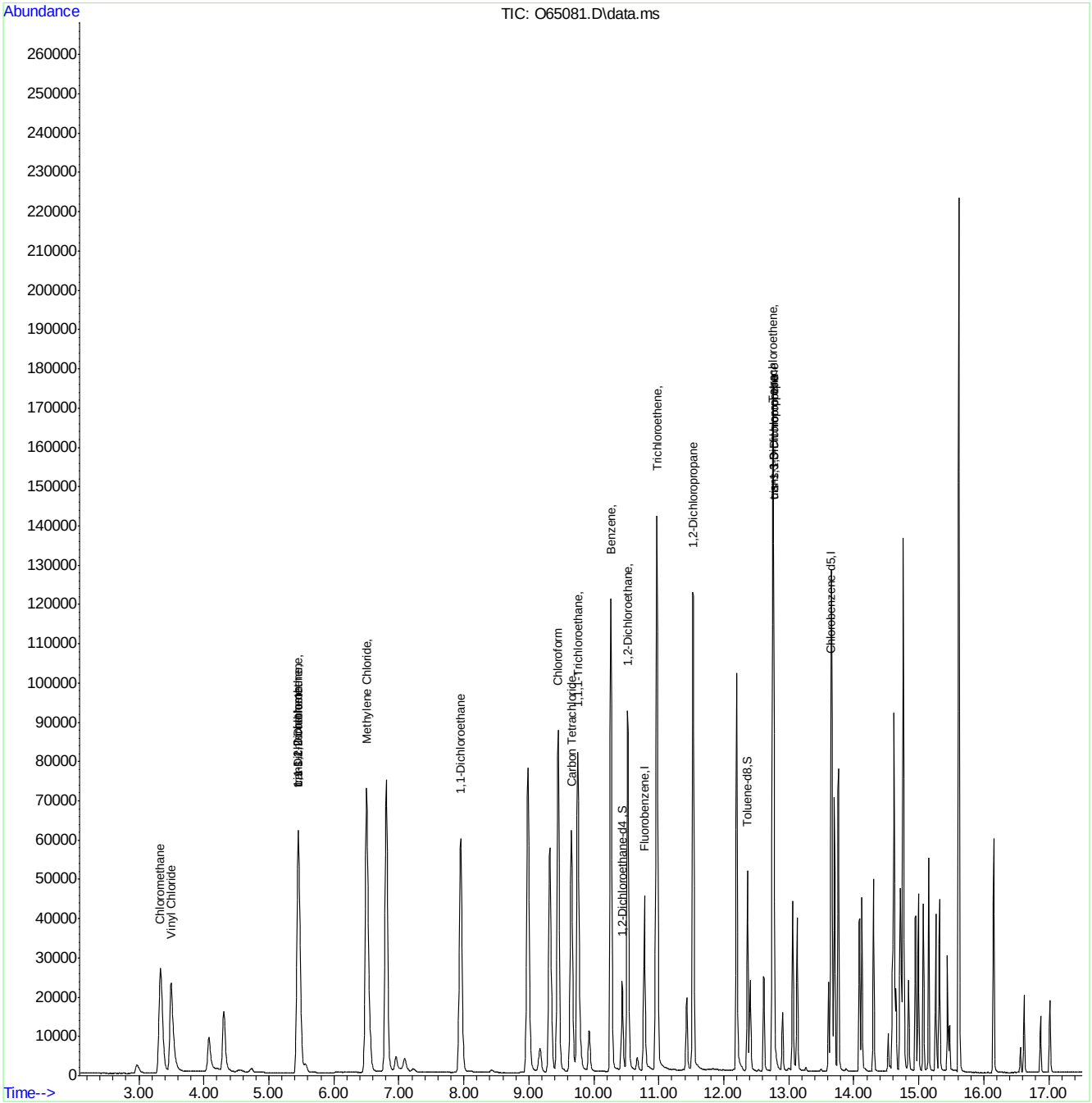
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	50401	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	34824	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	20312	5.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.20%			
19) Toluene-d8	12.367	98	42440	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	60049	9.01	ug/L	98
3) Chloromethane	3.330	50	73695	8.96	ug/L	98
4) 1,1-Dichloroethene	5.448	61	95560	10.50	ug/L	82
5) Methylene Chloride	6.501	49	96039	9.71	ug/L	91
6) trans-1,2-Dichloroethene	5.448	61	95560	10.50	ug/L	78
7) 1,1-Dichloroethane	7.951	63	106022	10.82	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47373	10.54	ug/L	88
9) Chloroform	9.450	83	98887	10.19	ug/L	97
10) Carbon Tetrachloride	9.656	117	57415	10.21	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	81958	10.48	ug/L	97
12) Benzene	10.267	78	188476	10.45	ug/L	100
14) 1,2-Dichloroethane	10.518	62	95399	10.37	ug/L	90
15) Trichloroethene	10.974	95	56317	10.46	ug/L	96
16) 1,2-Dichloropropane	11.525	63	58275	10.57	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	69089	11.06	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	69089	11.03	ug/L	97
21) Tetrachloroethene	12.752	166	50311	10.56	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65081.D
Acq On : 10 Sep 2021 2:15 pm
Operator : charleng
Sample : icv2552-5 Inst : MSVOA12
Misc : MS49714,VO2552,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 14:34:41 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65084.D
Acq On : 10 Sep 2021 3:27 pm
Operator : charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:46:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

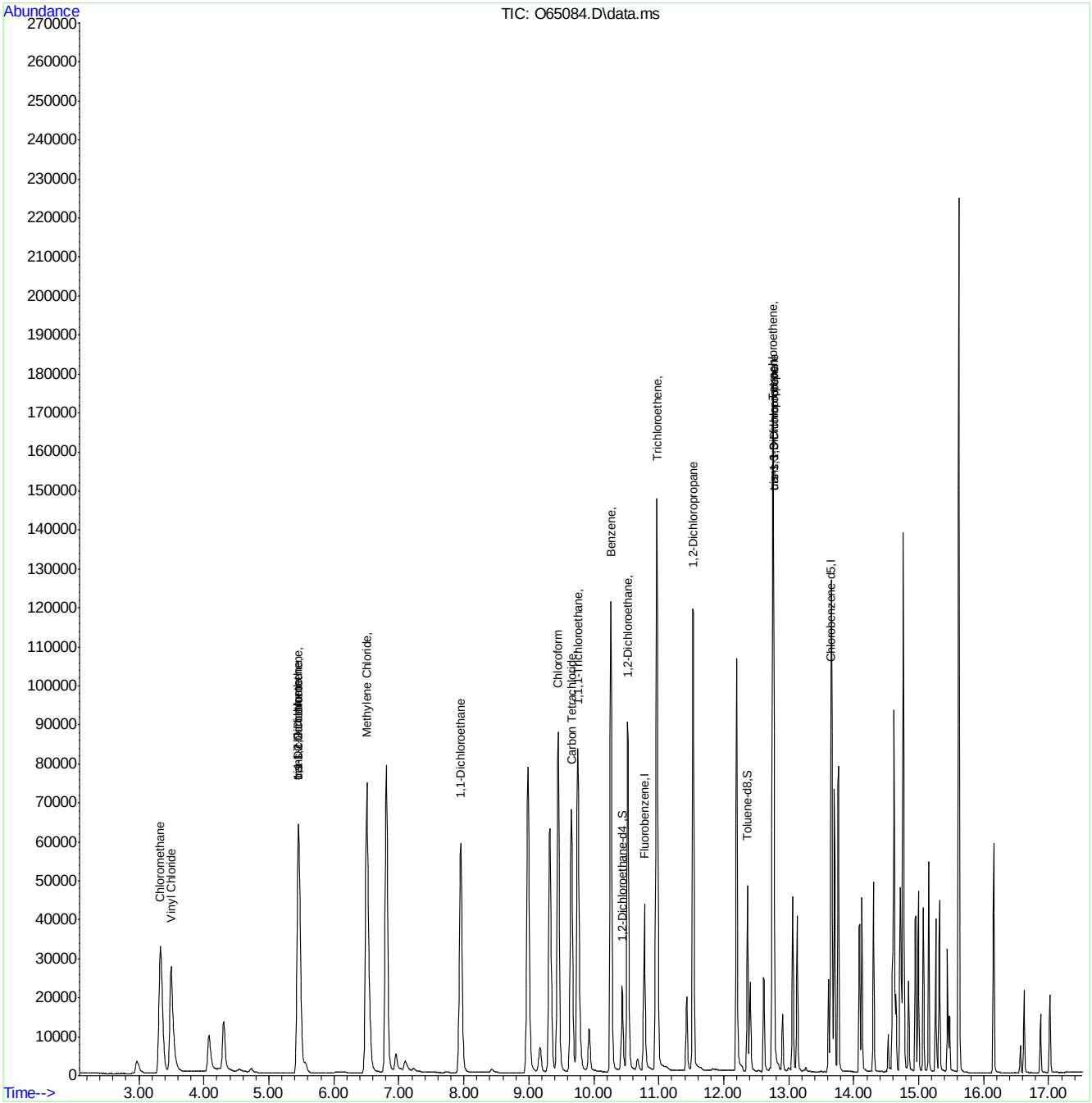
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	47842	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	33332	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	19228	5.00	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.00%			
19) Toluene-d8	12.367	98	40157	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	70134	11.09	ug/L	99
3) Chloromethane	3.330	50	88403	11.31	ug/L	98
4) 1,1-Dichloroethene	5.452	61	96962	11.23	ug/L	83
5) Methylene Chloride	6.506	49	99026	10.62	ug/L	93
6) trans-1,2-Dichloroethene	5.452	61	96962	11.23	ug/L	79
7) 1,1-Dichloroethane	7.951	63	102365	11.01	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	47907	11.23	ug/L	88
9) Chloroform	9.450	83	97912	10.63	ug/L	98
10) Carbon Tetrachloride	9.657	117	62980	11.79	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	83538	11.25	ug/L	97
12) Benzene	10.267	78	187706	10.96	ug/L	100
14) 1,2-Dichloroethane	10.519	62	94385	10.81	ug/L	90
15) Trichloroethene	10.974	95	58902	11.52	ug/L	96
16) 1,2-Dichloropropane	11.531	63	57335	10.95	ug/L	88
17) cis-1,3-Dichloropropene	12.769	75	70663	11.92	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	70663	11.78	ug/L	97
21) Tetrachloroethene	12.752	166	50790	11.14	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65084.D
Acq On : 10 Sep 2021 3:27 pm
Operator : charleng
Sample : cc2552-5 Inst : MSVOA12
Misc : MS49714,VO2553,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:46:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65108.D
Acq On : 11 Sep 2021 12:41 am
Operator : charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 09:24:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

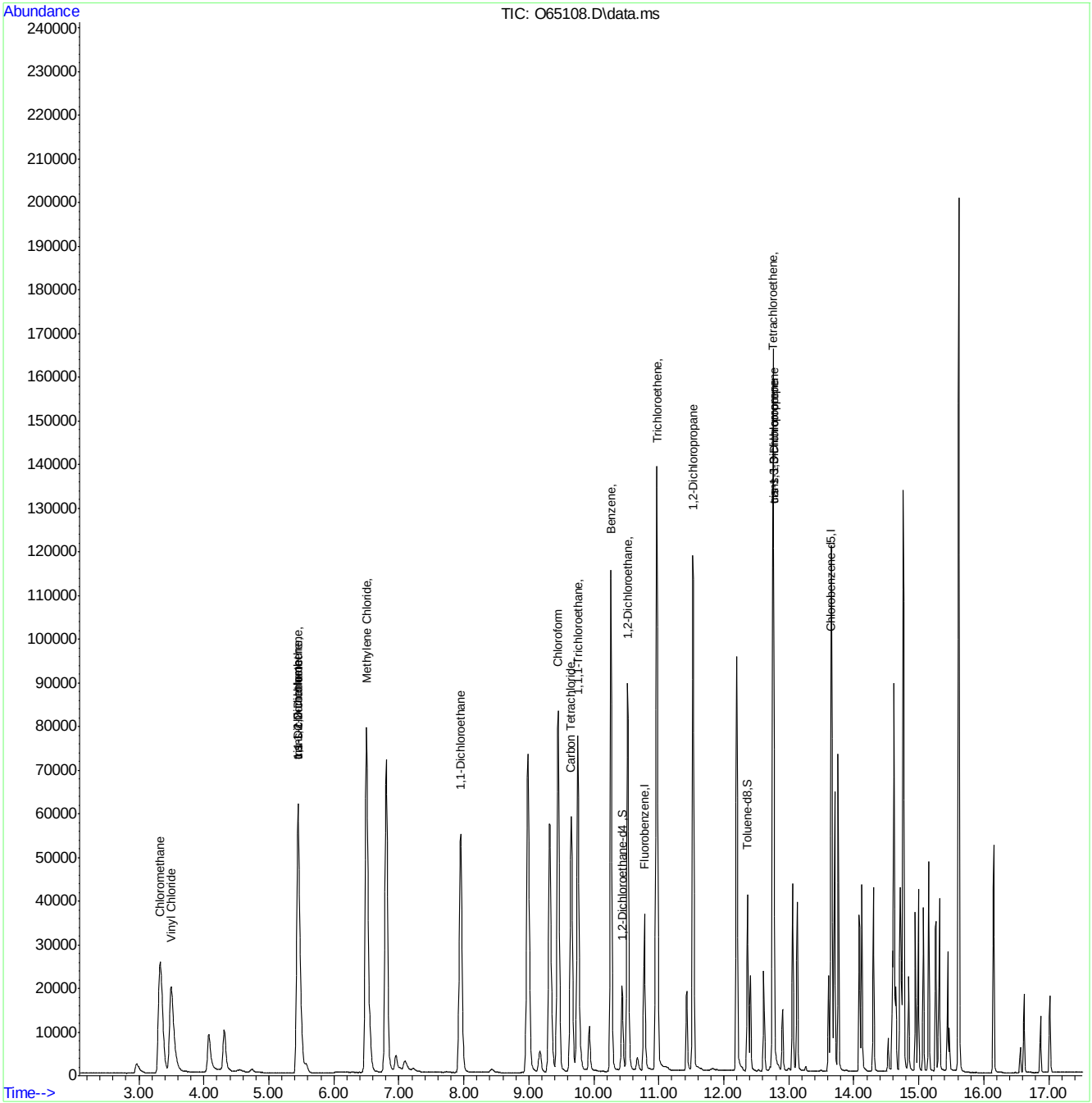
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	41581	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	29073	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	17320	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	12.367	98	34726	4.89	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	63371	11.53	ug/L	99
3) Chloromethane	3.326	50	83665	12.32	ug/L	97
4) 1,1-Dichloroethene	5.448	61	91764	12.22	ug/L	82
5) Methylene Chloride	6.501	49	99153	12.40	ug/L	91
6) trans-1,2-Dichloroethene	5.448	61	91764	12.22	ug/L	78
7) 1,1-Dichloroethane	7.951	63	98000	12.13	ug/L	99
8) cis-1,2-Dichloroethene	5.448	96	44819	12.09	ug/L	90
9) Chloroform	9.450	83	93832	11.72	ug/L	97
10) Carbon Tetrachloride	9.650	117	55848	12.03	ug/L	96
11) 1,1,1-Trichloroethane	9.758	97	75465	11.70	ug/L	97
12) Benzene	10.267	78	179938	12.09	ug/L	99
14) 1,2-Dichloroethane	10.519	62	92450	12.18	ug/L	90
15) Trichloroethene	10.974	95	54960	12.37	ug/L	97
16) 1,2-Dichloropropane	11.525	63	55869	12.28	ug/L	87
17) cis-1,3-Dichloropropene	12.769	75	63161	12.26	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	63161	12.08	ug/L	96
21) Tetrachloroethene	12.752	166	47658	11.98	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-10\
Data File : O65108.D
Acq On : 11 Sep 2021 12:41 am
Operator : charleng
Sample : ECC2552-5 Inst : MSVOA12
Misc : MS49712,VO2553,,,,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 09:24:21 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-10-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	68975	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	51570	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	23669	3.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 79.80%			
19) Toluene-d8	9.576	98	61736	5.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 116.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	690	0.06	ug/L	77
3) Chloromethane	3.259	50	1658m	0.13	ug/L	
4) 1,1-Dichloroethene	4.708	61	658	0.06	ug/L	96
5) Methylene Chloride	5.358	49	43638	3.12	ug/L #	66
6) trans-1,2-Dichloroethene	5.545	61	598	0.06	ug/L	80
7) 1,1-Dichloroethane	6.221	63	701	0.05	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	472	0.06	ug/L #	75
9) Chloroform	7.033	83	998m	0.05	ug/L	
10) Carbon Tetrachloride	7.207	117	576m	0.05	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	741m	0.06	ug/L	
12) Benzene	7.648	78	1720	0.06	ug/L	82
14) 1,2-Dichloroethane	7.845	62	606	0.06	ug/L #	66
15) Trichloroethene	8.208	95	498	0.06	ug/L	97
16) 1,2-Dichloropropane	8.736	63	415	0.06	ug/L	88
17) cis-1,3-Dichloropropene	9.394	75	559	0.06	ug/L #	65
20) trans-1,3-Dichloropropene	10.017	75	395	0.06	ug/L	79
21) Tetrachloroethene	10.017	166	436	0.06	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	936m	0.07	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	104m	0.10	ug/L	

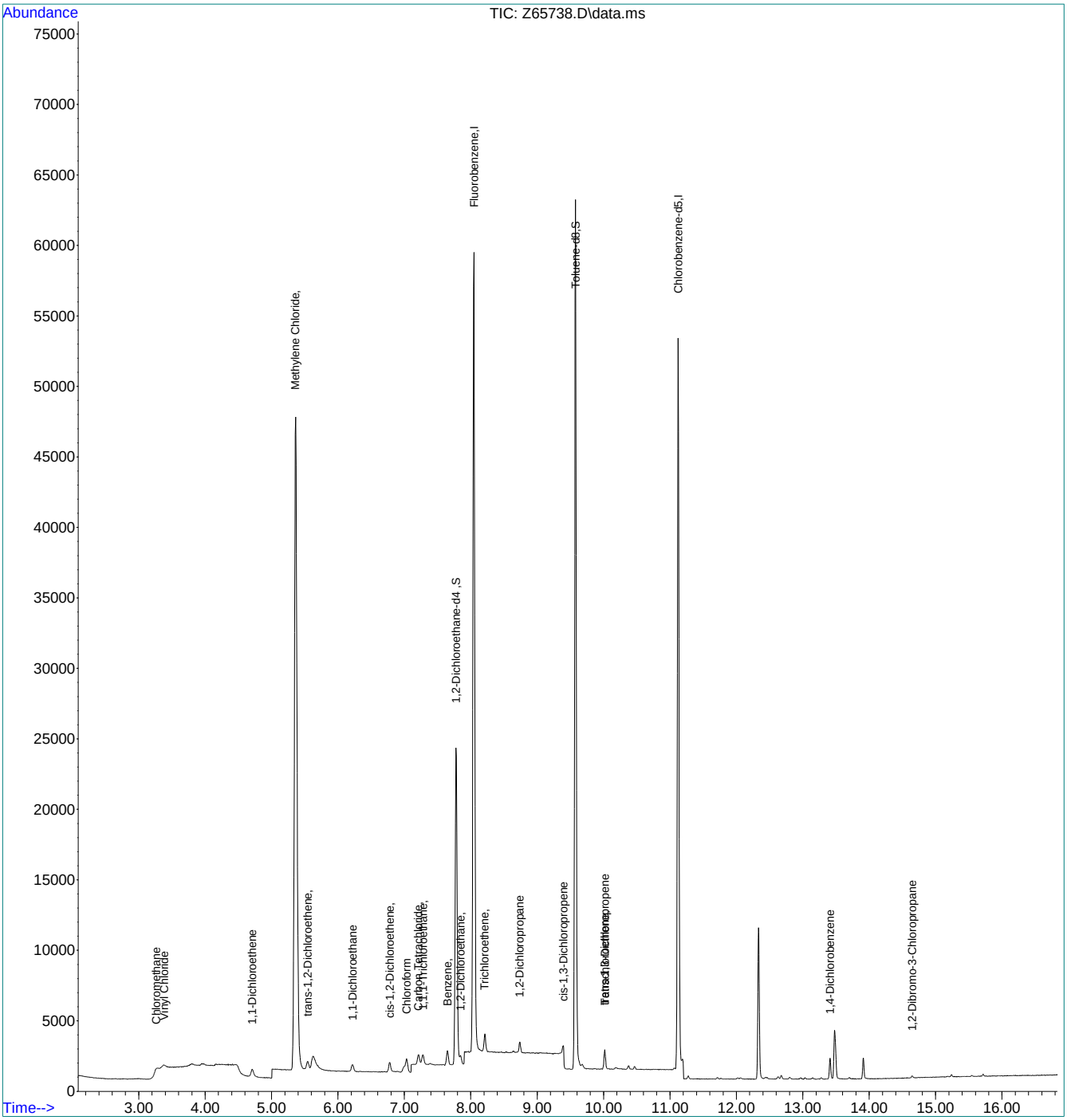
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

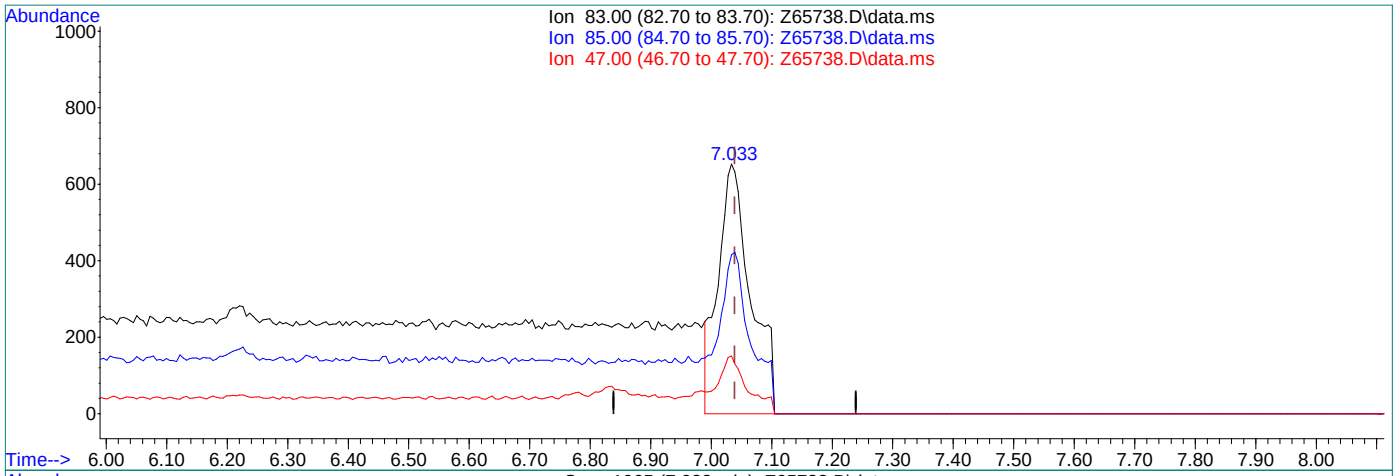
Sample Number: VZ2586-IC2586
Lab FileID: Z65738.D
Injection Time: 09/07/21 10:06
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

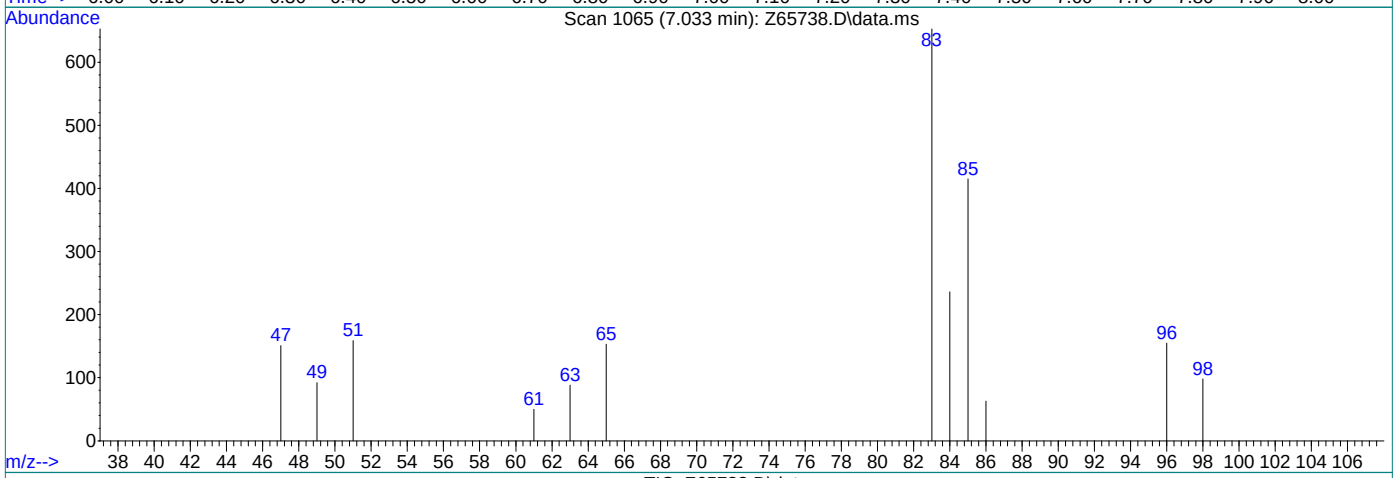
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.26	Overlapping peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.12ug/L

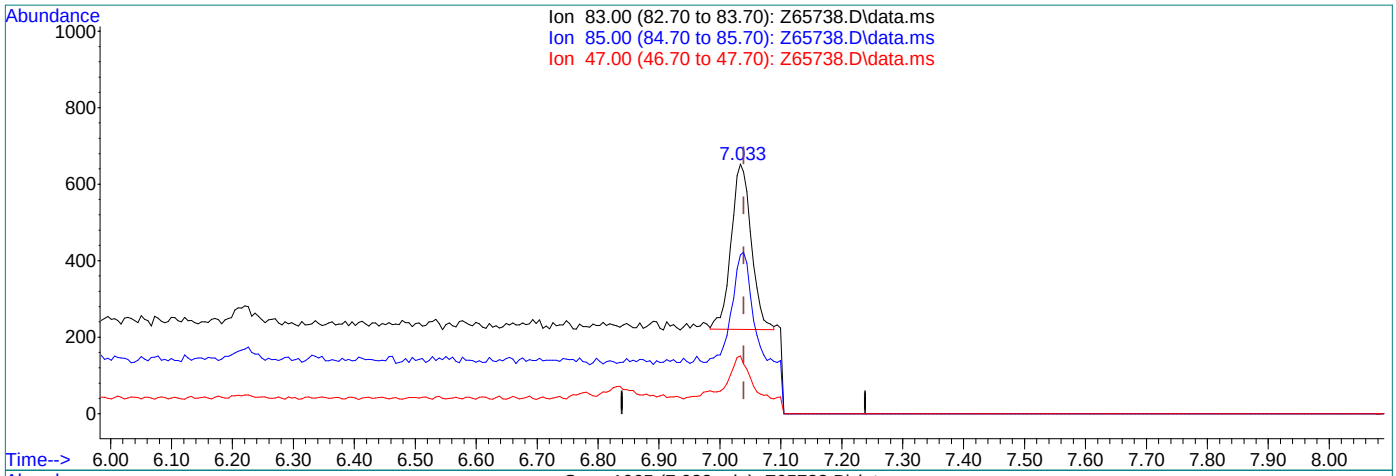
response 2476

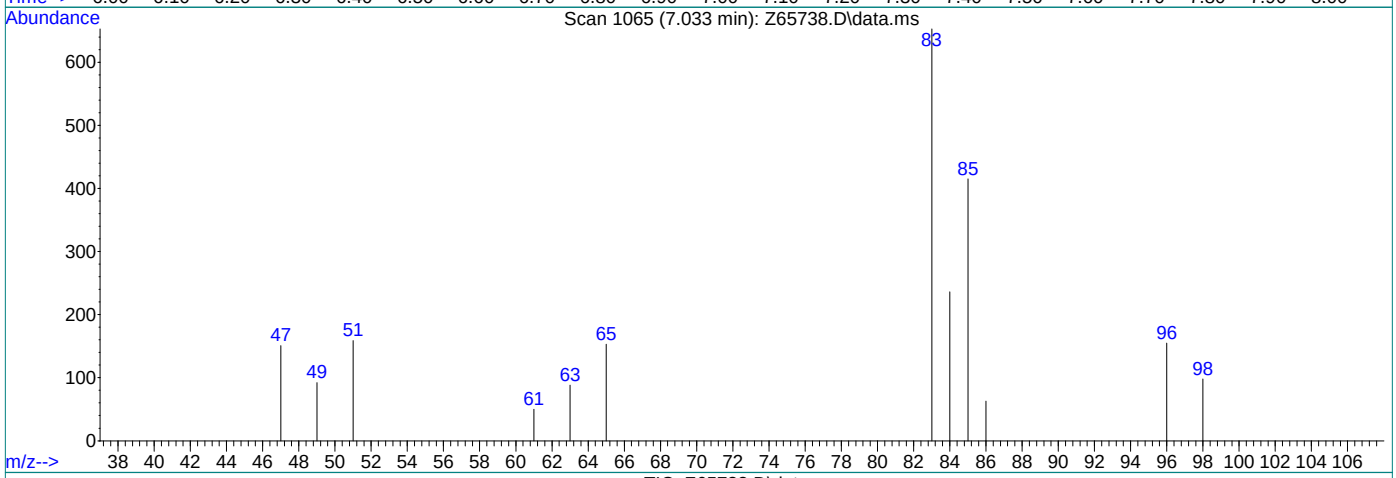
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.05ug/L m

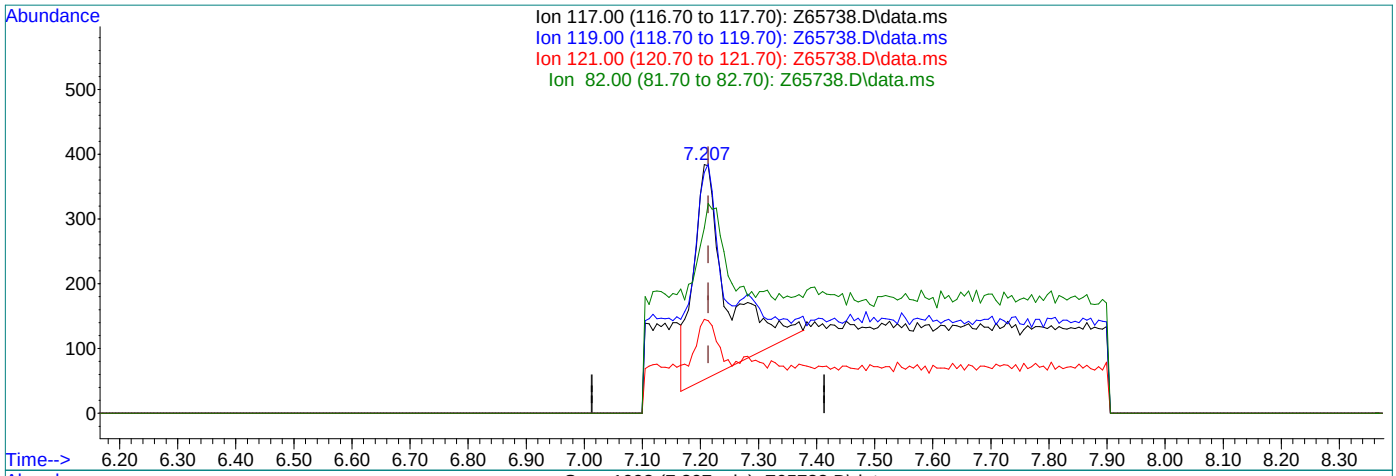
response 998

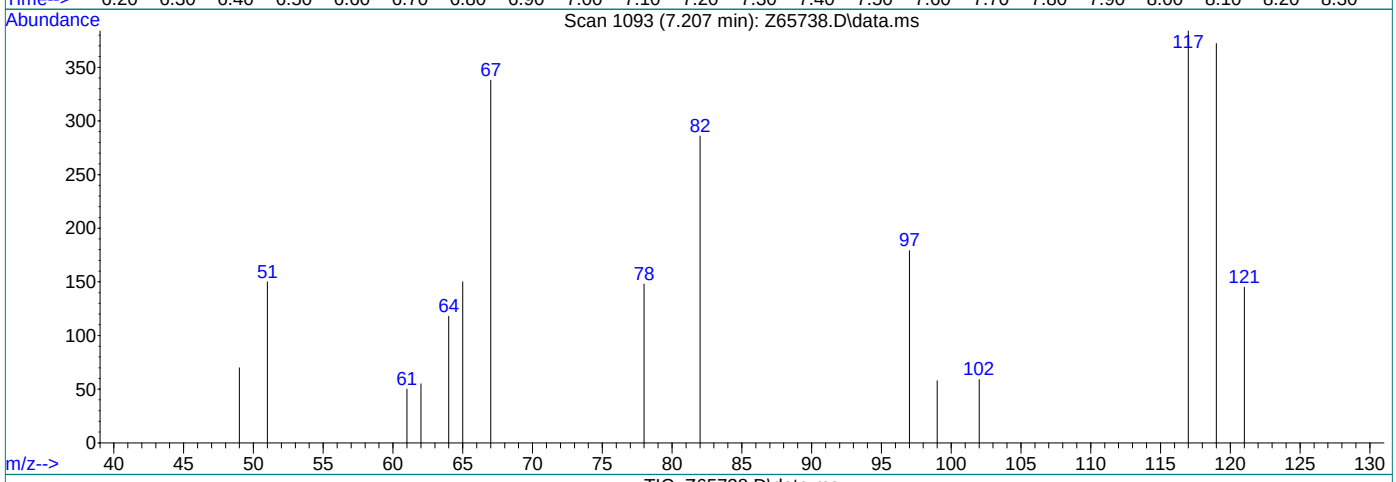
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.13ug/L

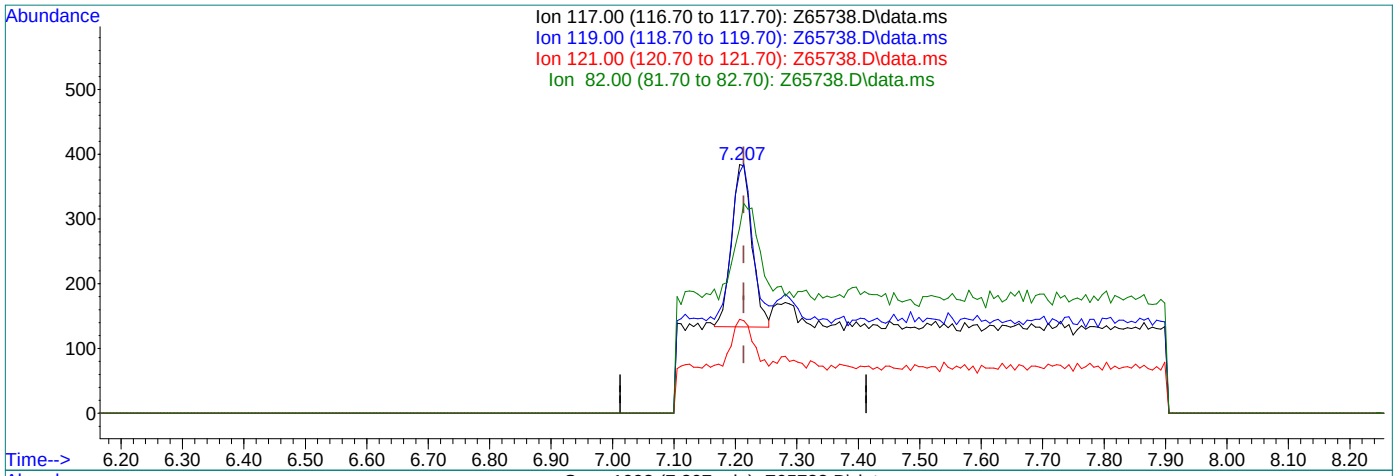
response 1341

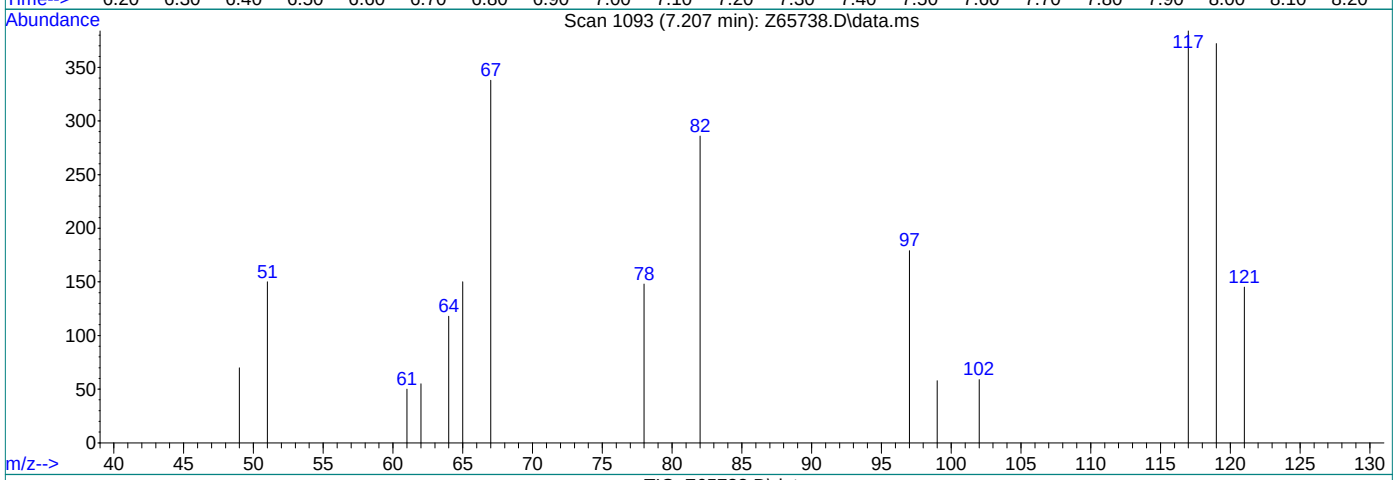
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	88.67
121.00	31.60	27.73
82.00	24.20	41.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.05ug/L m

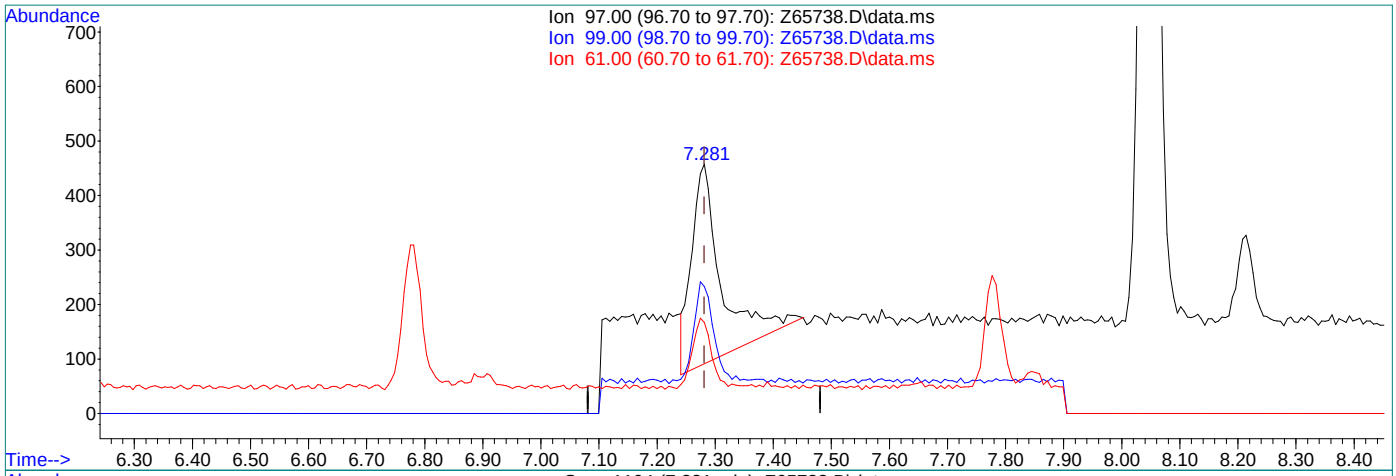
response 576

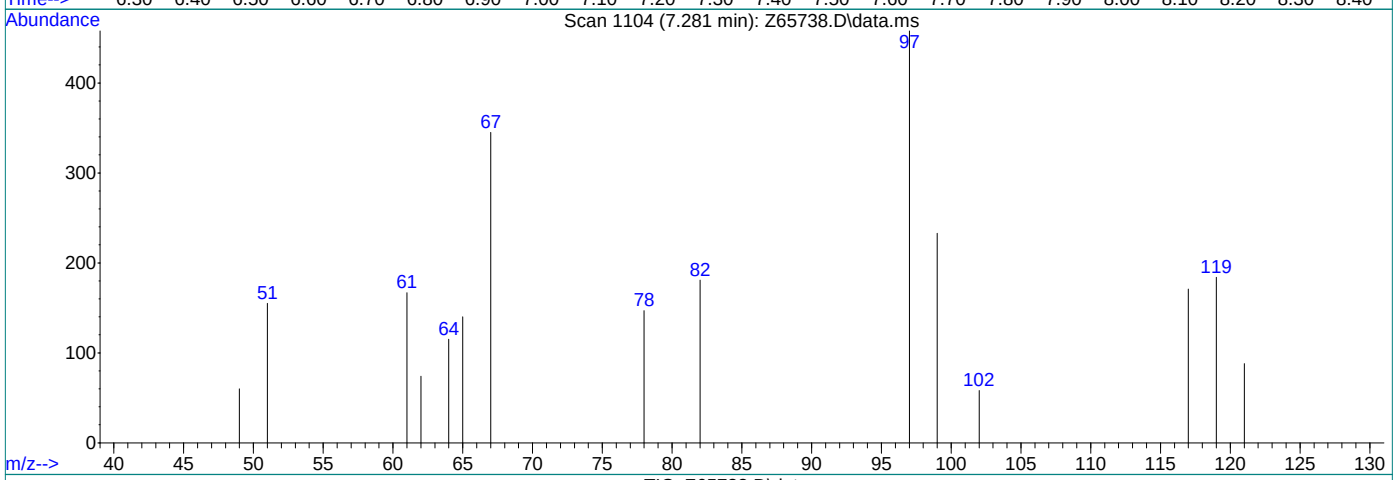
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.88
121.00	31.60	37.76
82.00	24.20	74.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.10ug/L

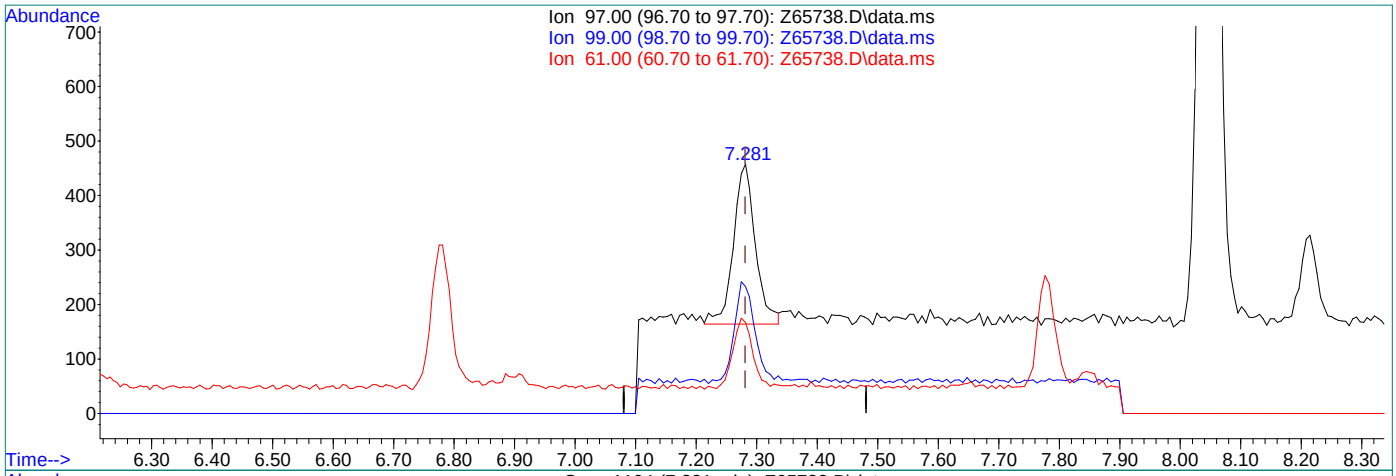
response 1328

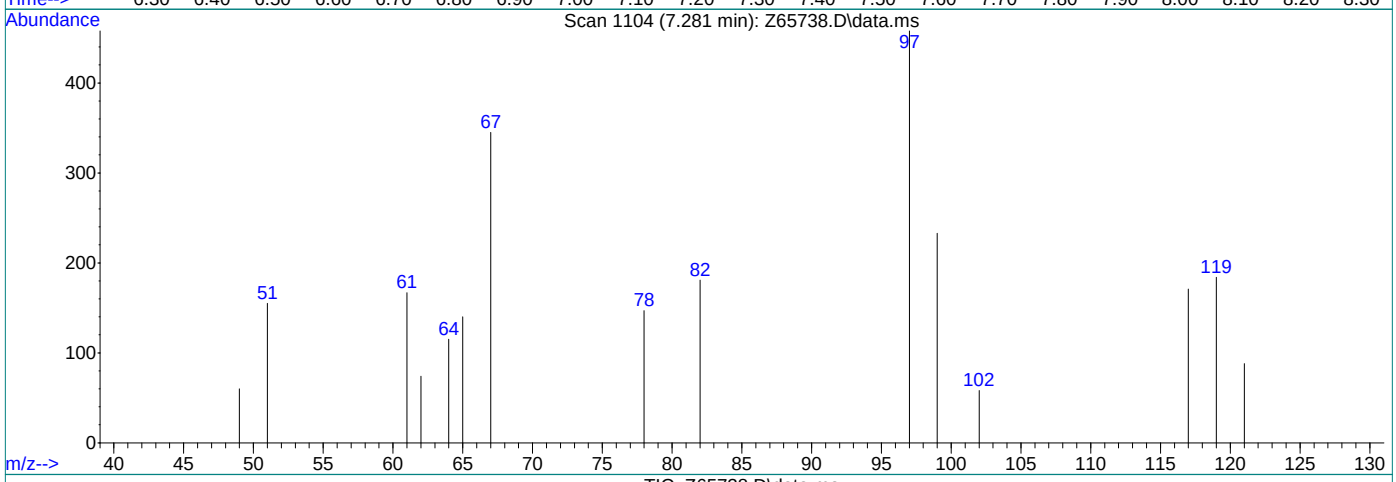
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.77
61.00	61.40	40.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.06ug/L m

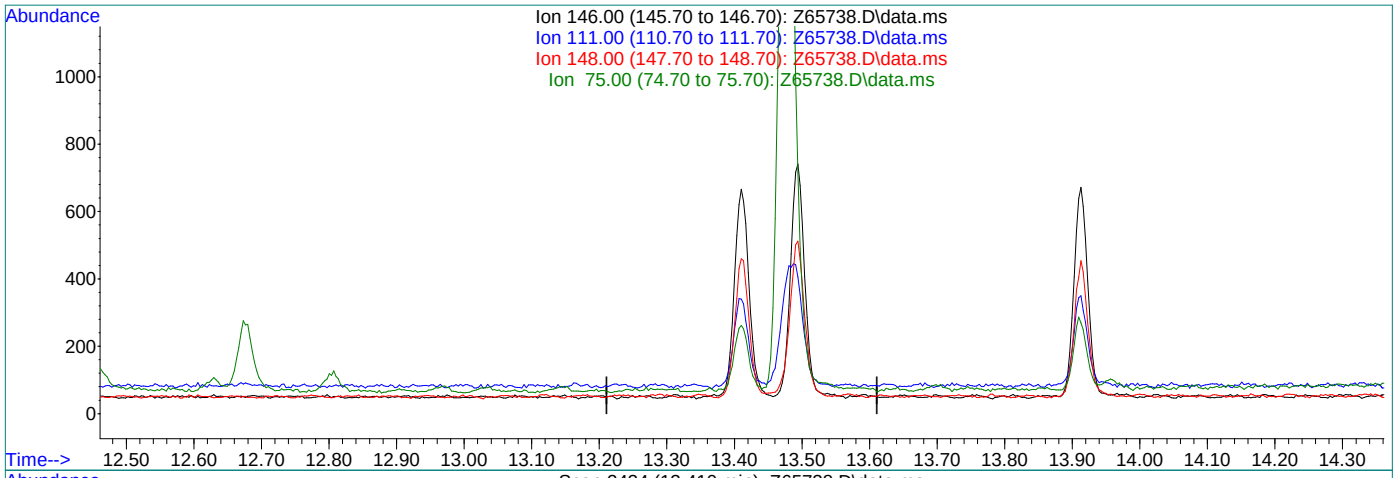
response 741

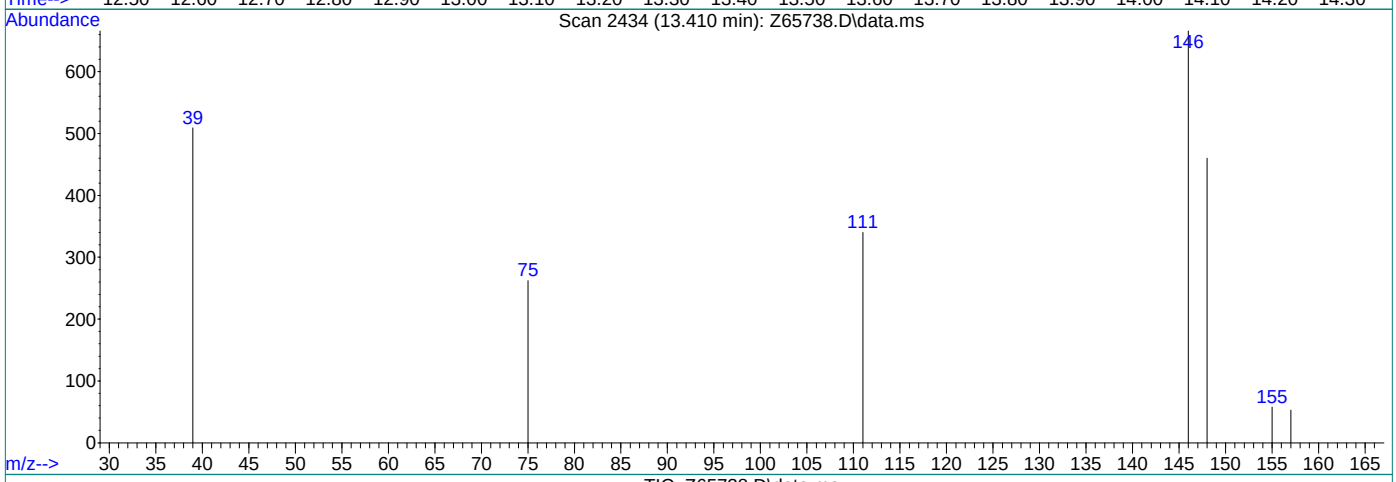
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	50.87
61.00	61.40	36.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.411min (-13.411) 0.00ug/L

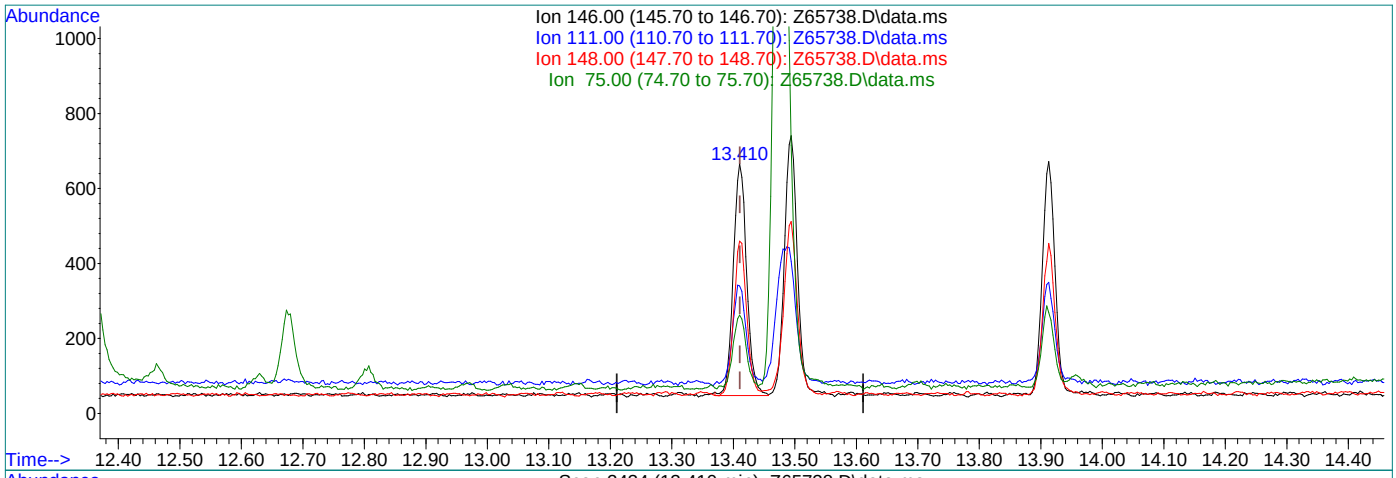
response 0

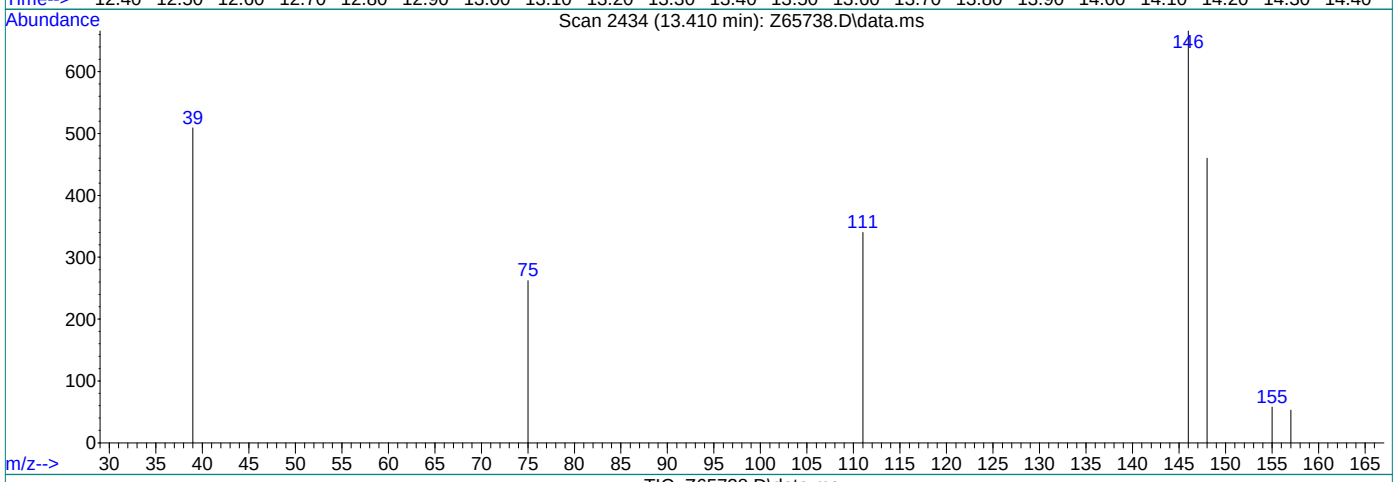
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-0.001) 0.07ug/L m

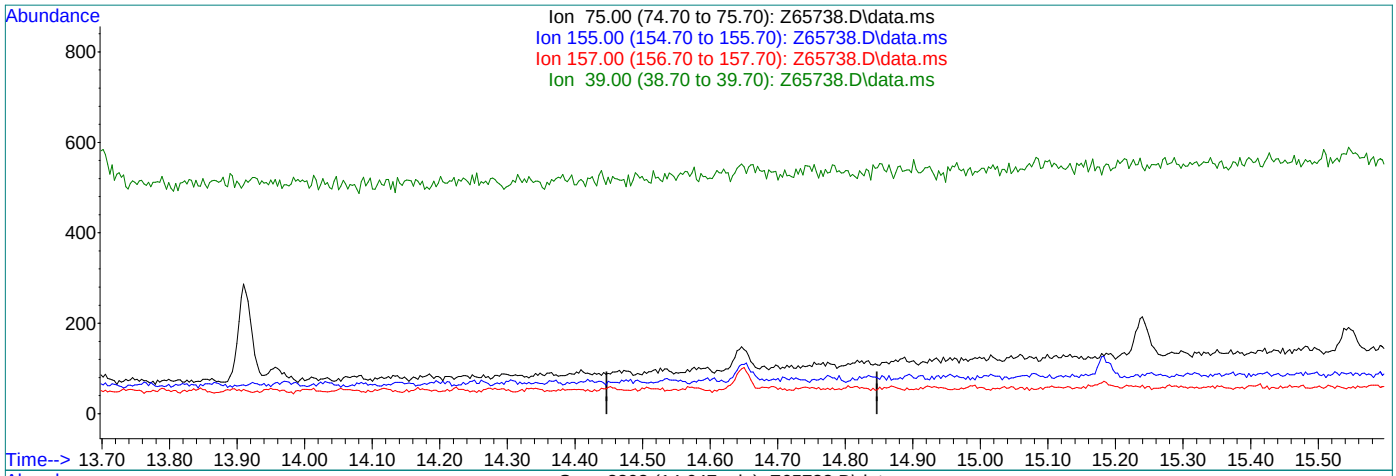
response 936

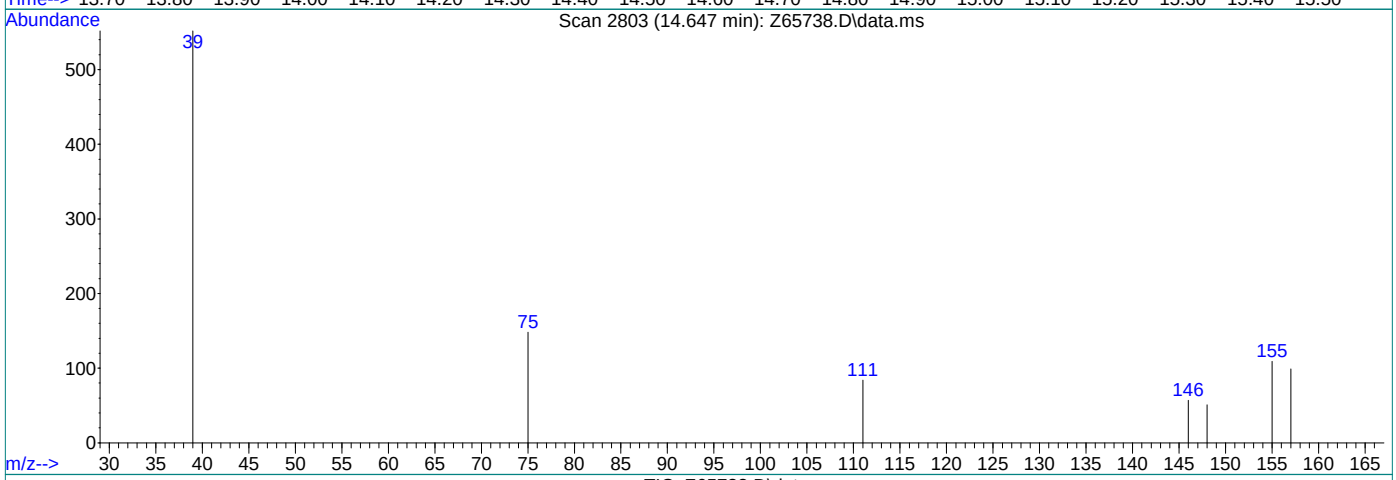
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	51.05
148.00	63.10	69.07
75.00	17.60	39.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

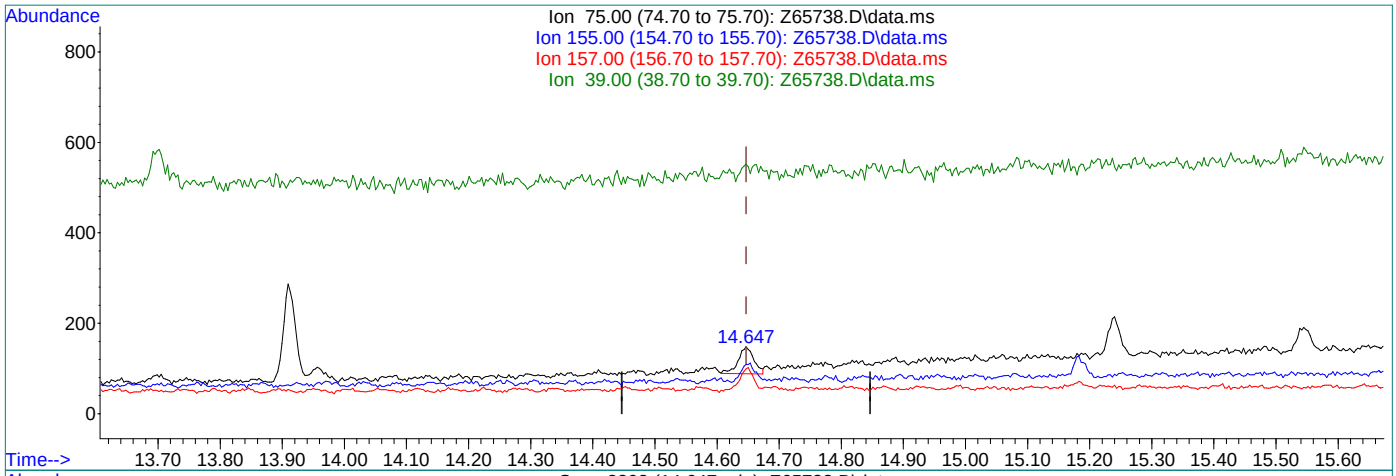
response 0

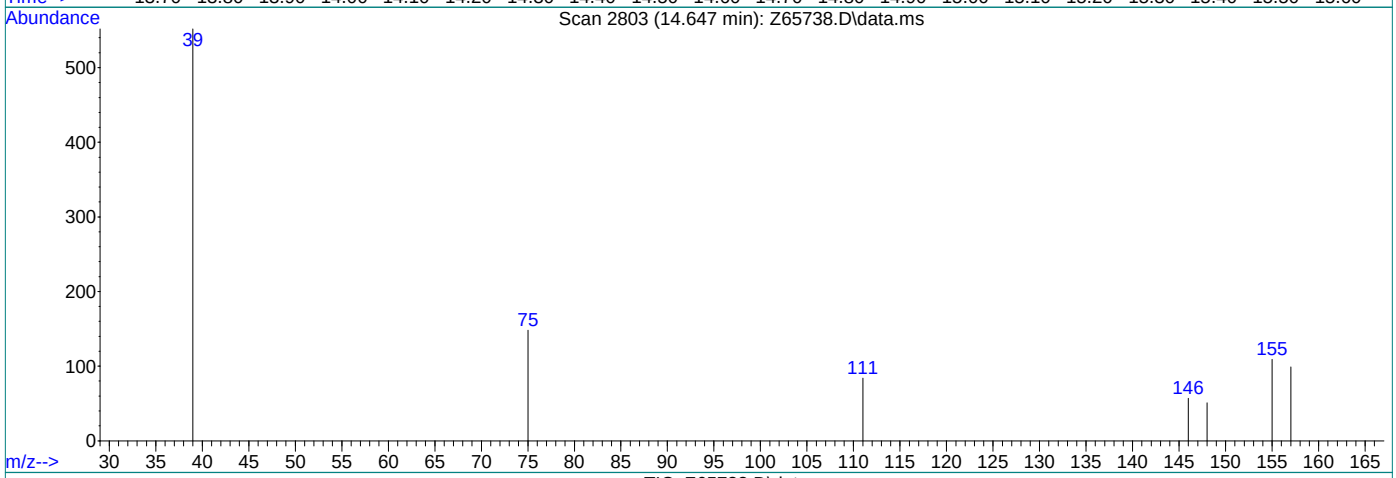
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.10ug/L m

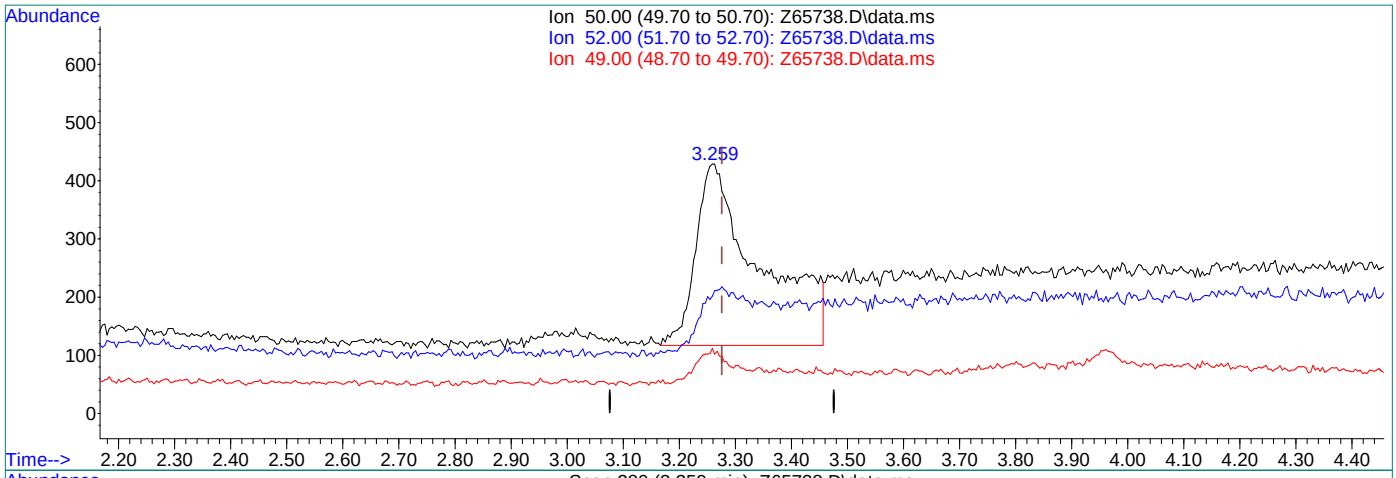
response 104

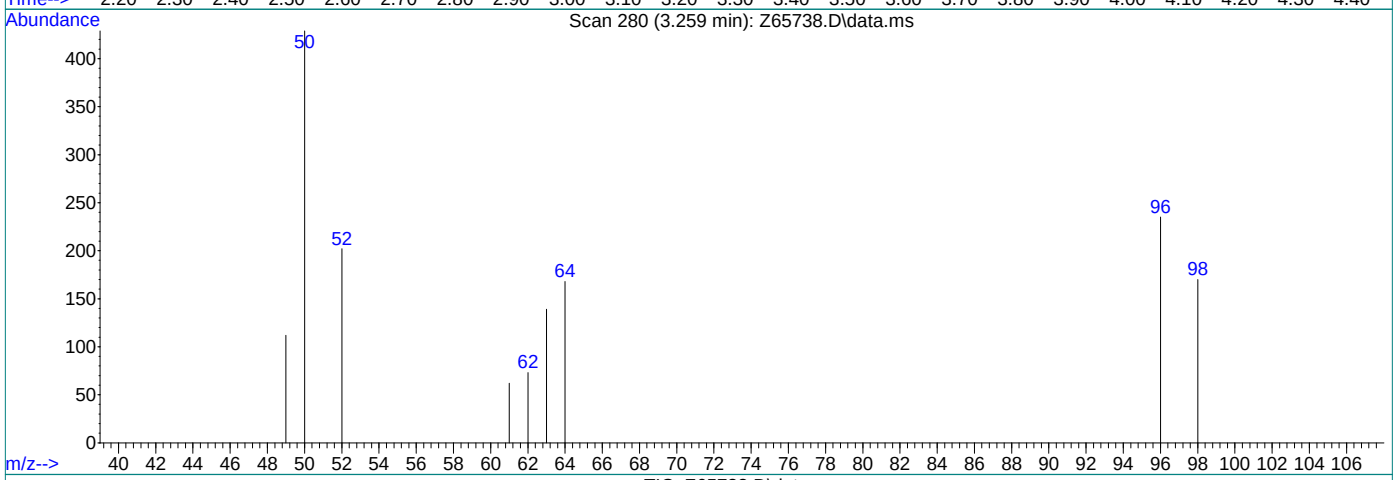
Ion	Exp%	Act%
75.00	100	100
155.00	67.70	73.65
157.00	81.90	66.89
39.00	23.90	372.97#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.19ug/L

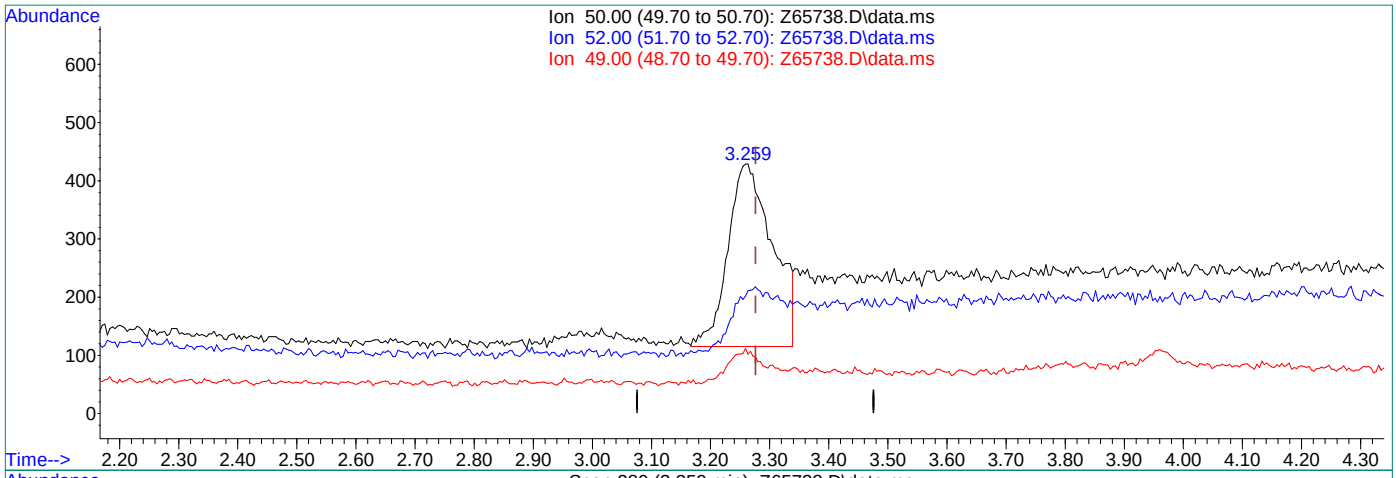
response 2471

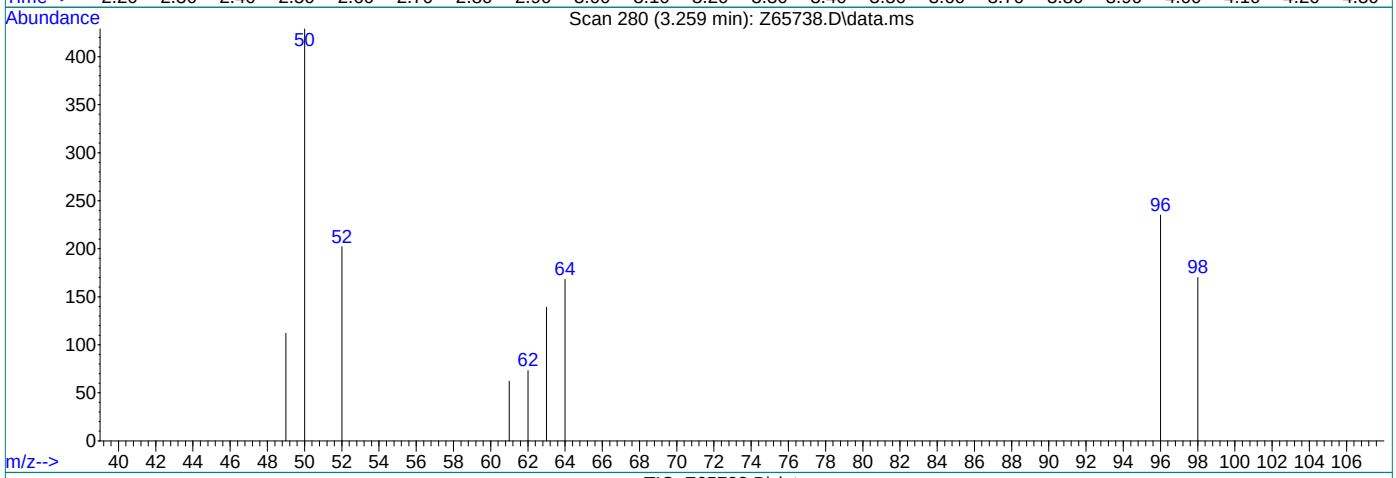
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	30.13
49.00	9.90	18.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.13ug/L m

response 1658

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	47.09
49.00	9.90	26.11
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	61634	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	45214	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21254	4.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 84.00%			
19) Toluene-d8	9.576	98	55507	5.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 117.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	2944m	0.31	ug/L	
3) Chloromethane	3.255	50	4047m	0.38	ug/L	
4) 1,1-Dichloroethene	4.713	61	4309	0.44	ug/L	96
5) Methylene Chloride	5.364	49	36659	0.57	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	4063	0.45	ug/L	81
7) 1,1-Dichloroethane	6.221	63	4733	0.41	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	3178	0.49	ug/L #	74
9) Chloroform	7.039	83	5704m	0.39	ug/L	
10) Carbon Tetrachloride	7.213	117	3653m	0.41	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	4454m	0.40	ug/L	
12) Benzene	7.648	78	10704	0.45	ug/L	81
14) 1,2-Dichloroethane	7.851	62	3808	0.42	ug/L	82
15) Trichloroethene	8.214	95	3030	0.44	ug/L	92
16) 1,2-Dichloropropane	8.742	63	2735	0.45	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	3587	0.48	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	2476	0.42	ug/L #	73
21) Tetrachloroethene	10.022	166	2944	0.51	ug/L #	97
22) 1,4-Dichlorobenzene	13.410	146	6085	0.52	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	436m	0.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

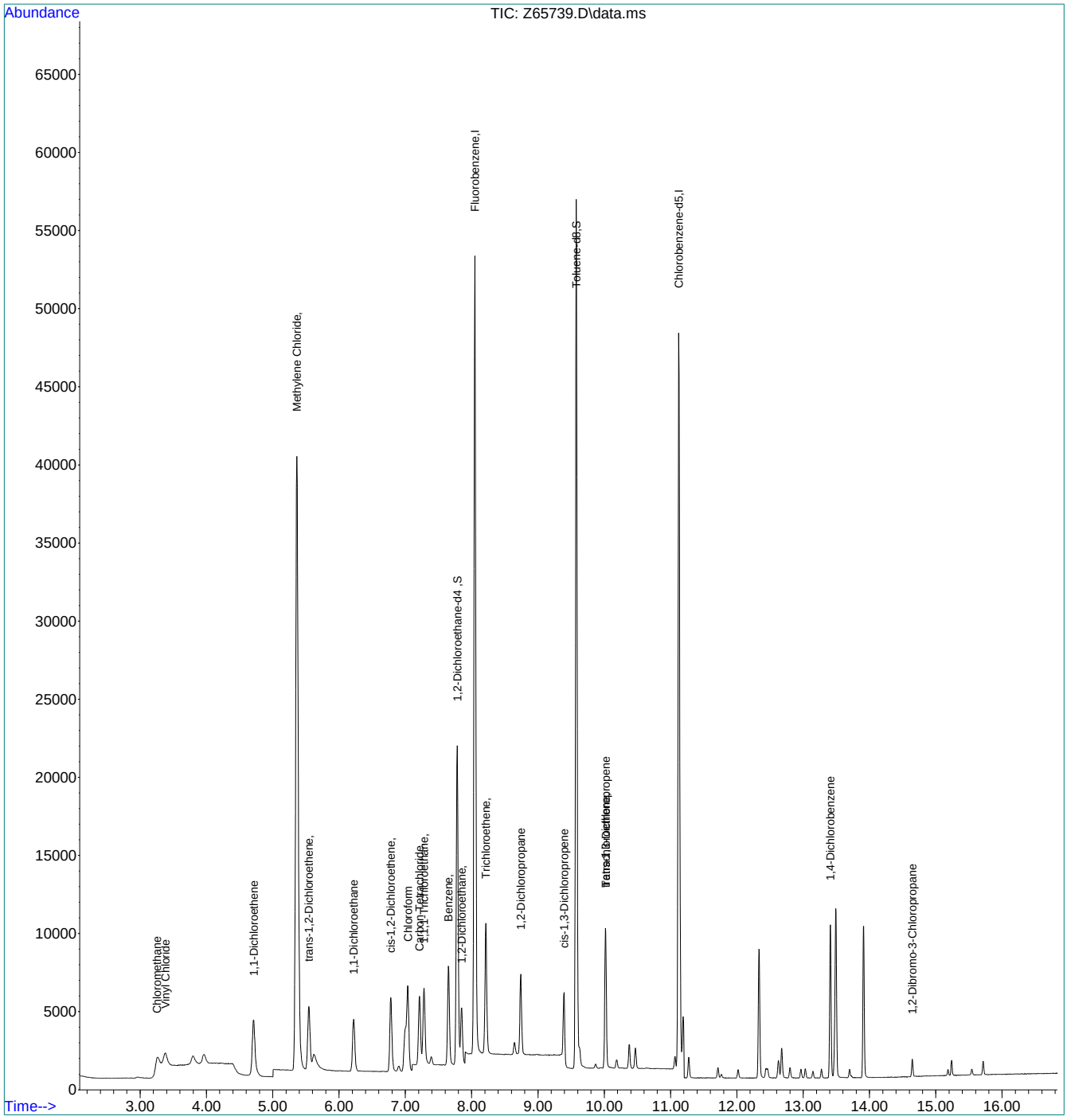
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



Manual Integration Approval Summary

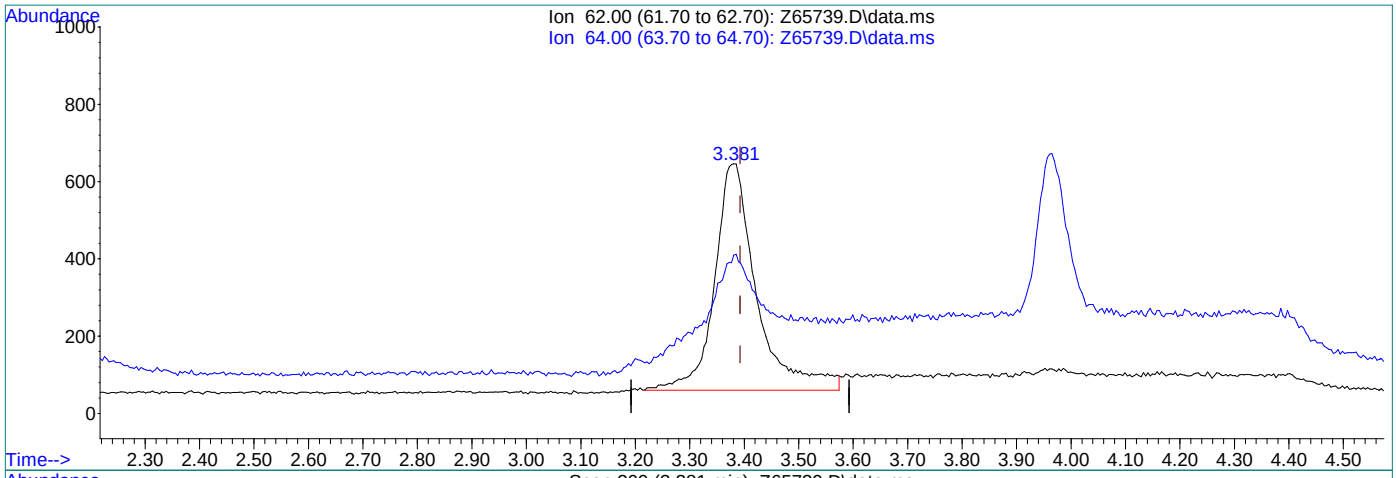
Sample Number: VZ2586-IC2586
Lab FileID: Z65739.D
Injection Time: 09/07/21 10:26
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

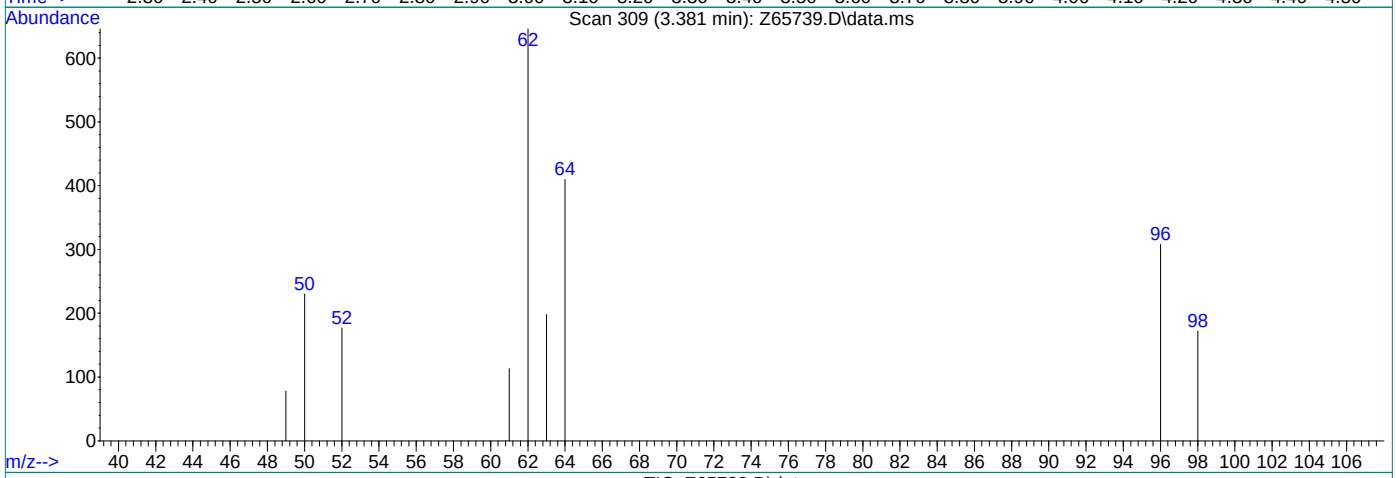
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.25	Overlapping peak
Vinyl Chloride	75-01-4		3.38	Poorly defined baseline
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.33ug/L

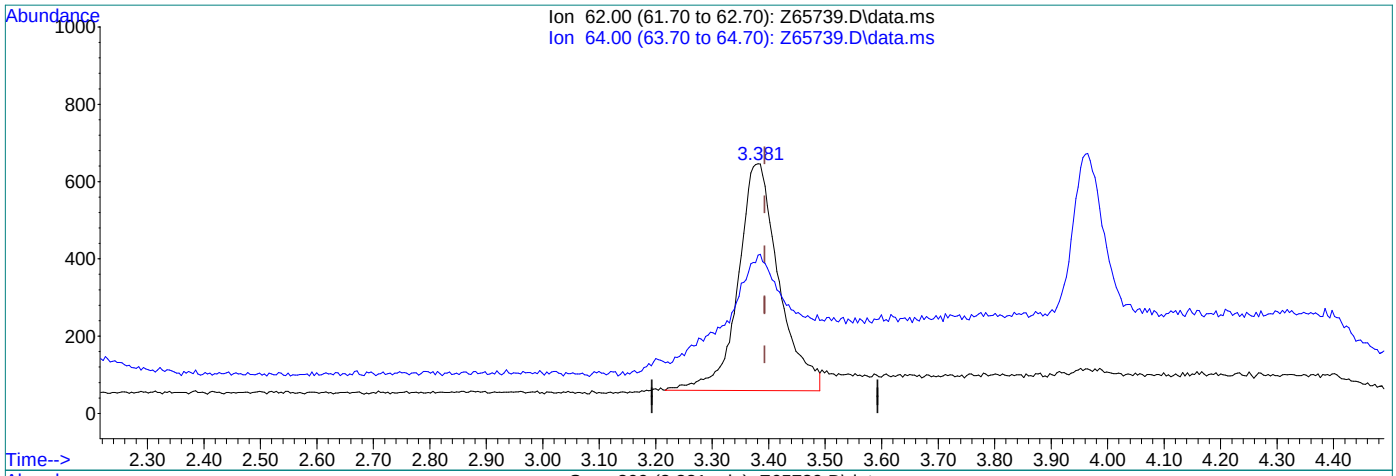
response 3145

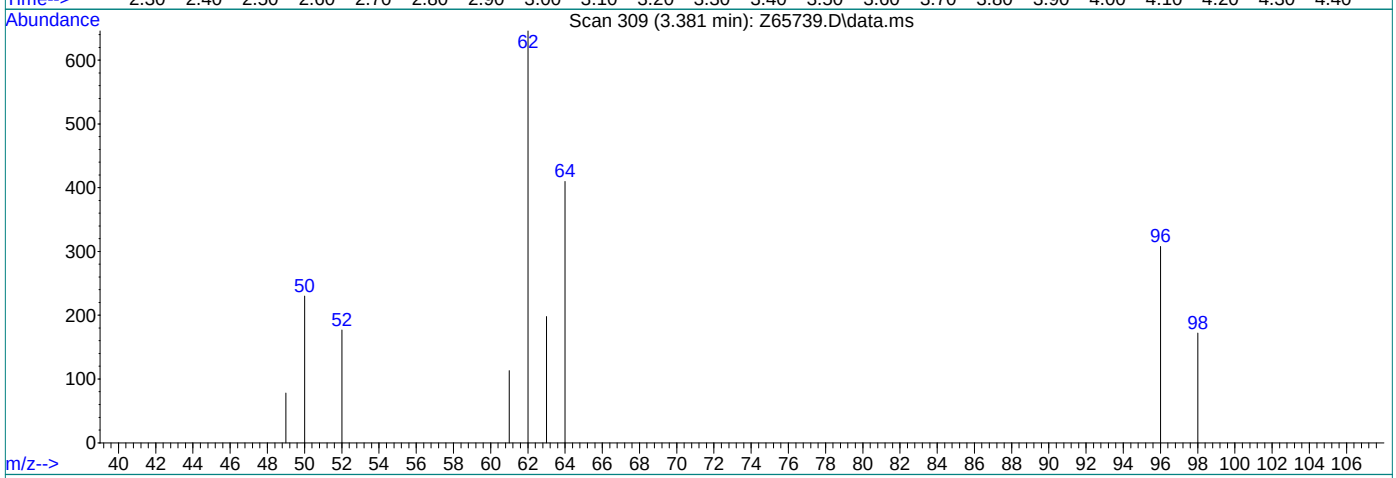
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.31ug/L m

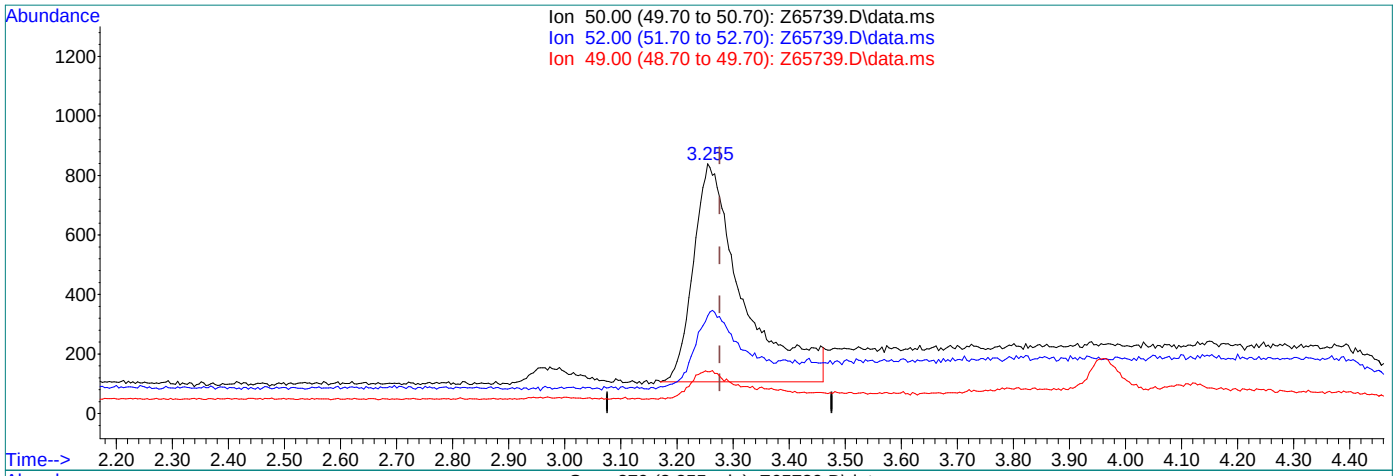
response 2944

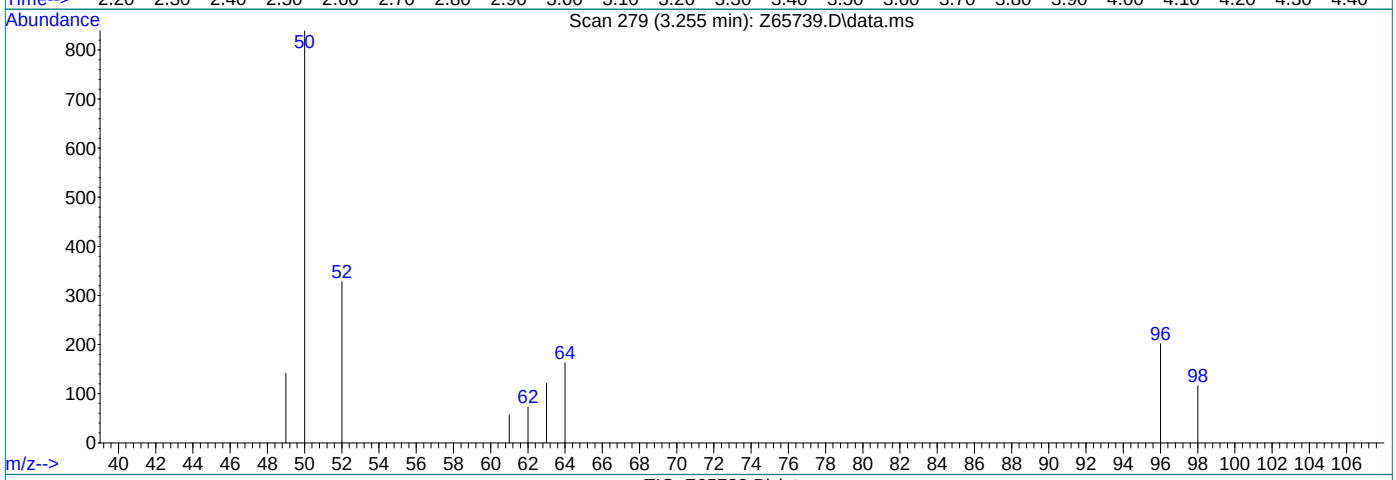
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	63.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.42ug/L

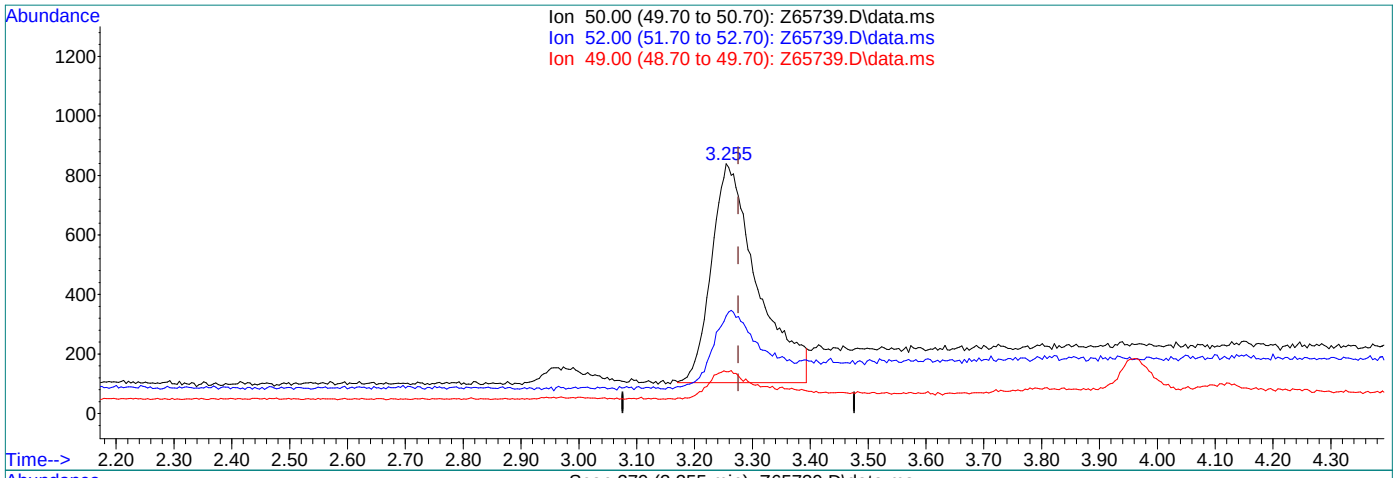
response 4460

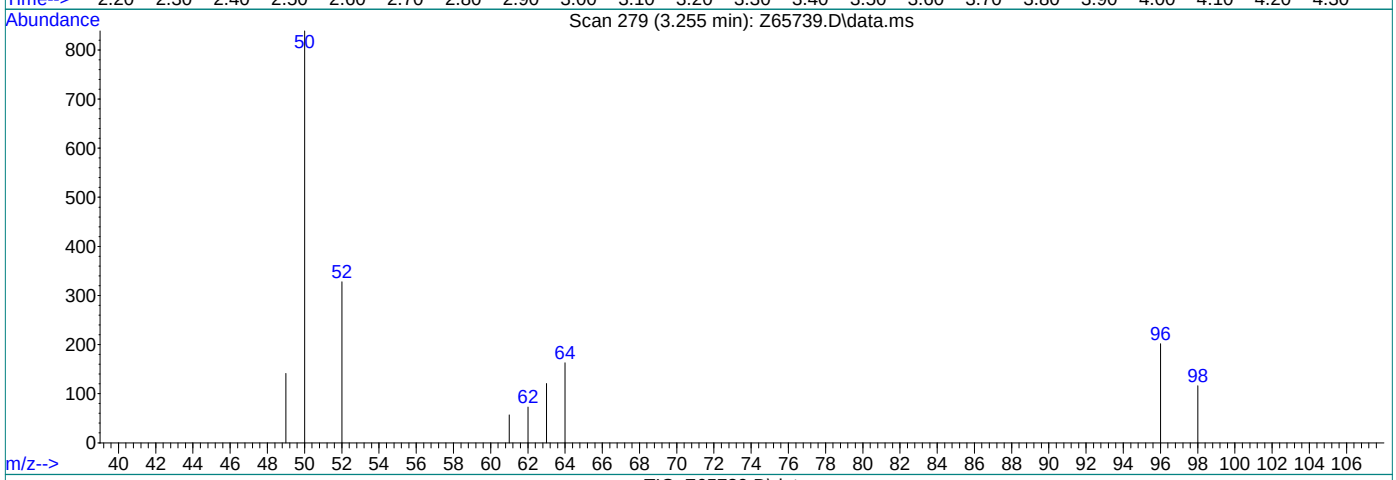
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	32.38
49.00	9.90	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.38ug/L m

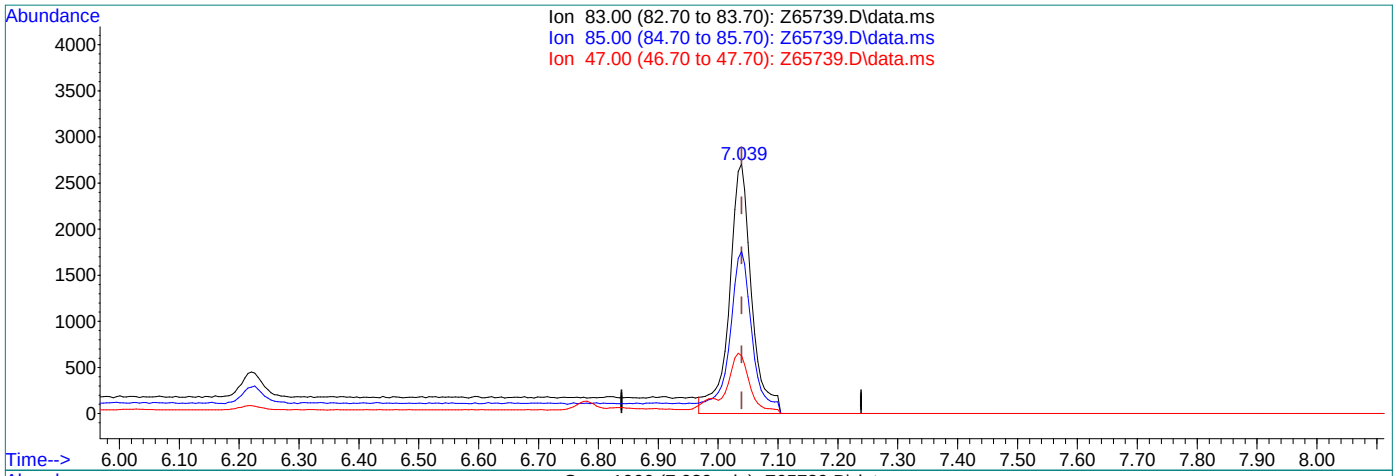
response 4047

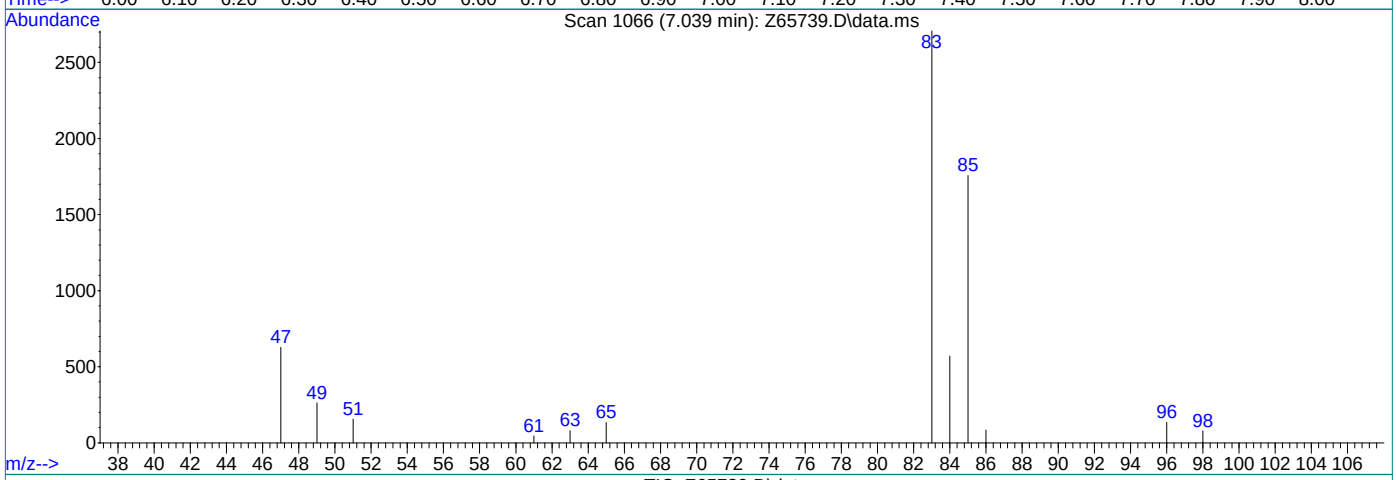
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.09
49.00	9.90	16.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.48ug/L

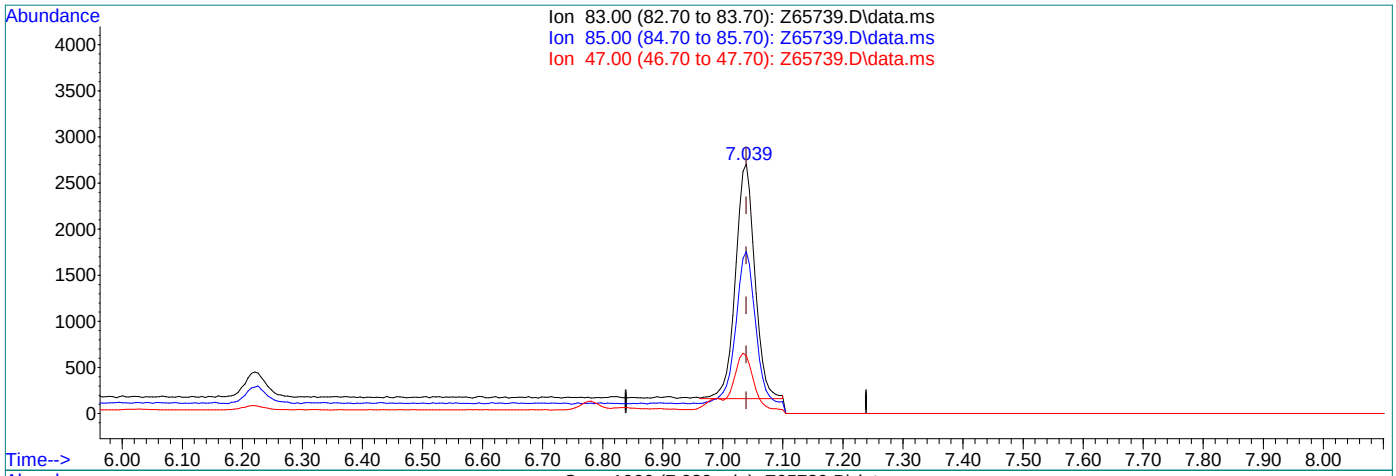
response 7044

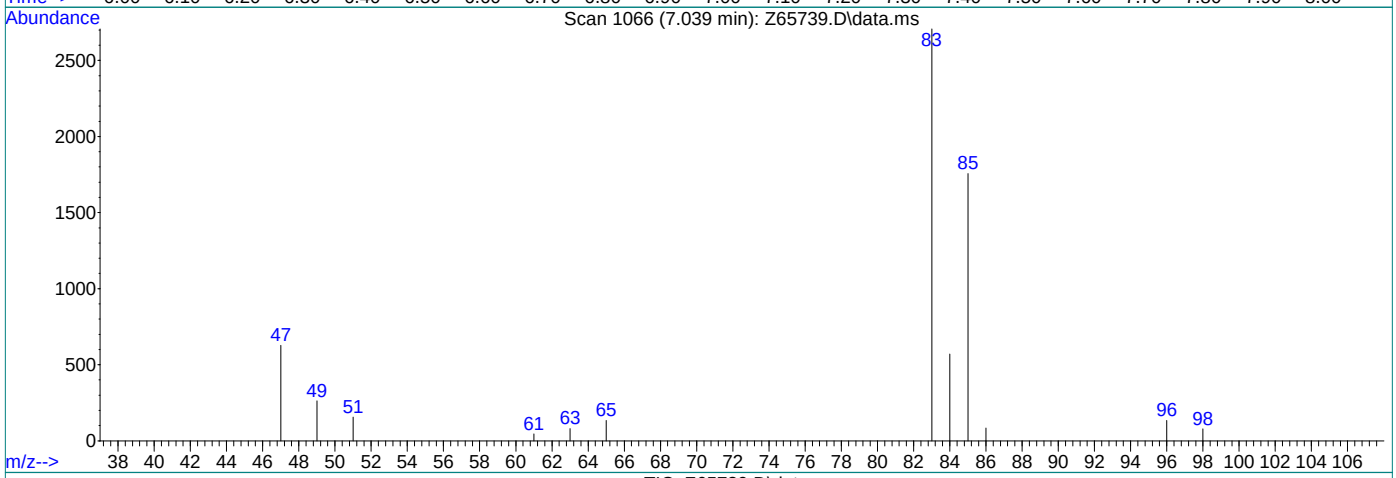
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.39ug/L m

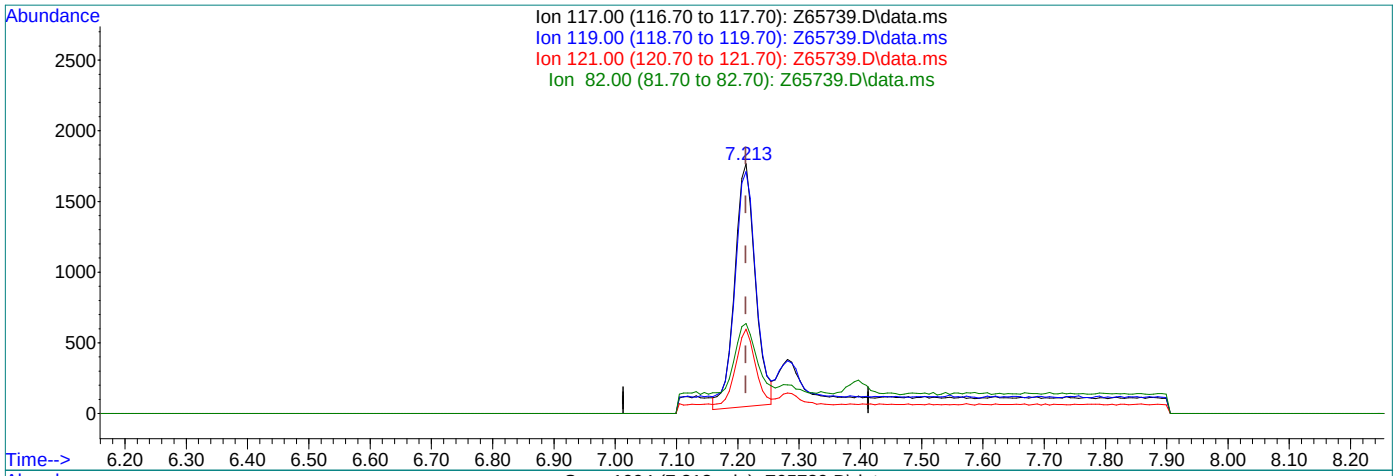
response 5704

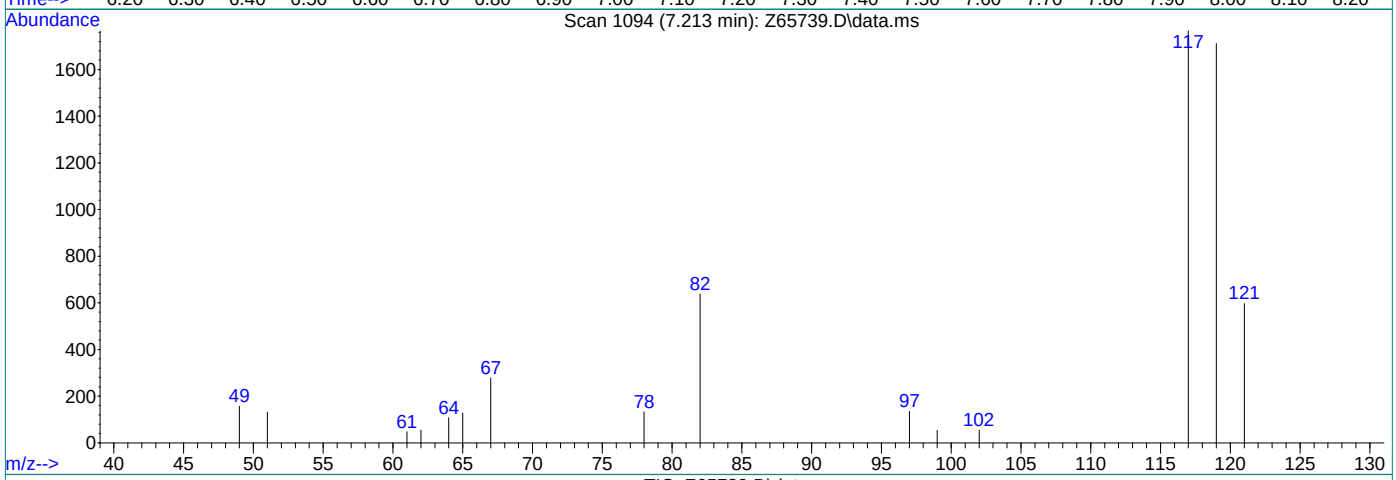
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.45ug/L

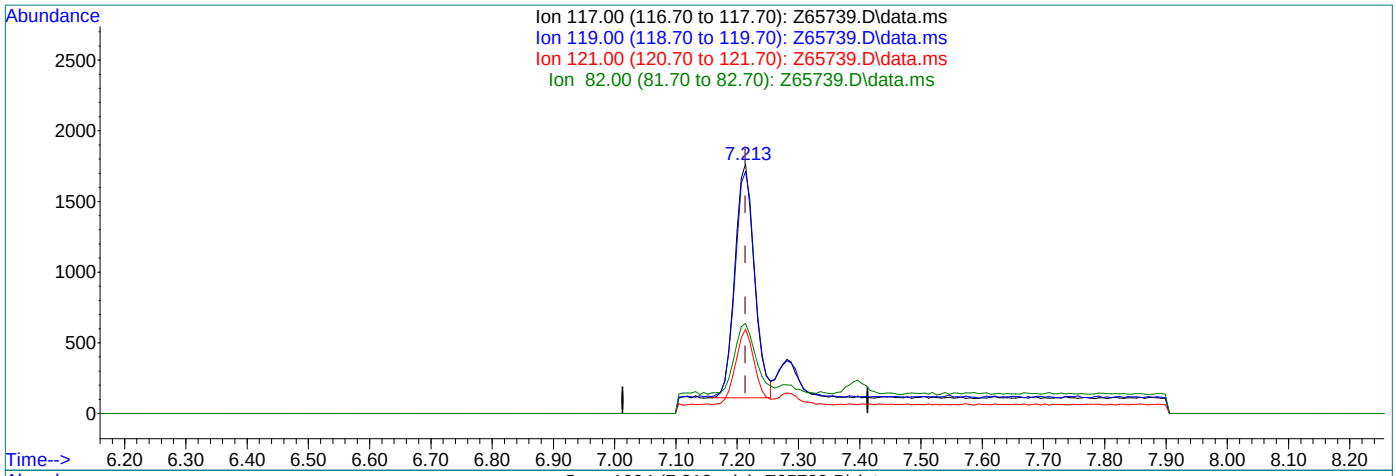
response 4018

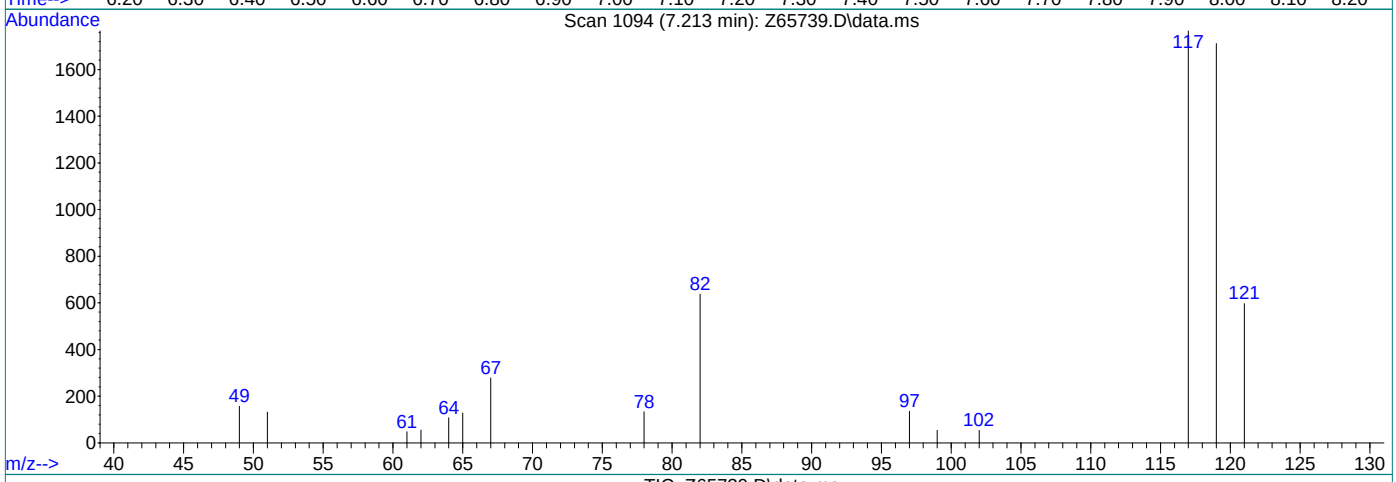
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.13
121.00	31.60	32.21
82.00	24.20	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.41ug/L m

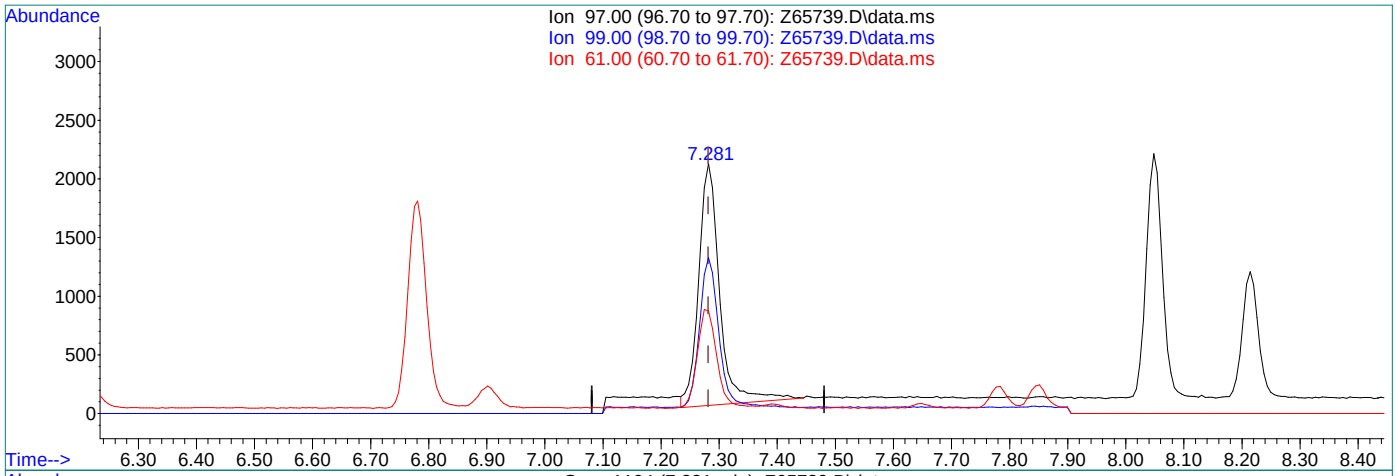
response 3653

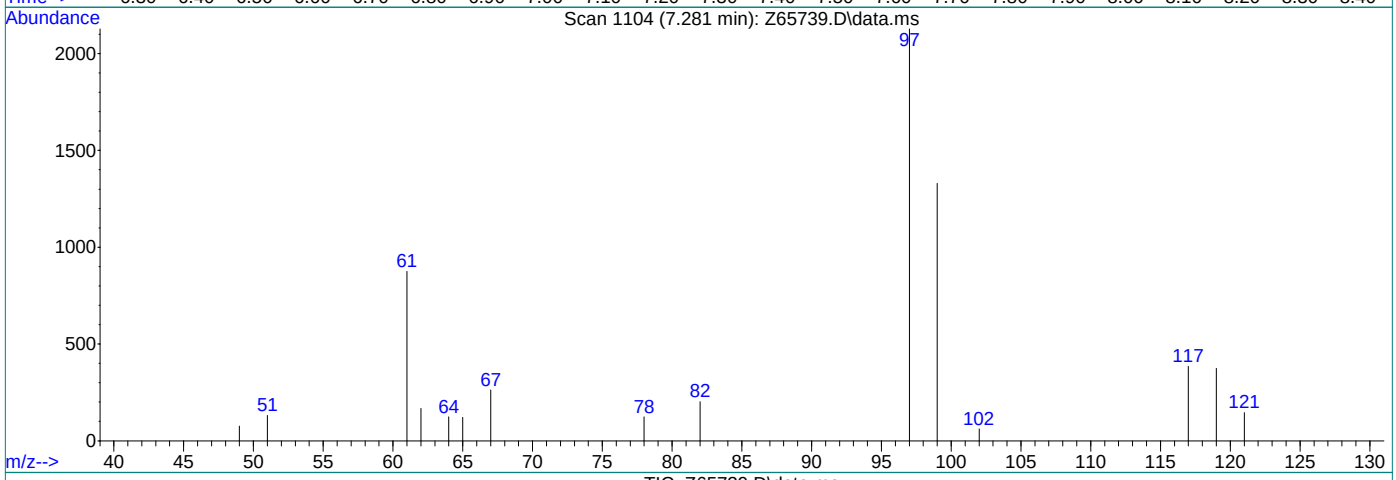
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.89
121.00	31.60	33.81
82.00	24.20	36.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.46ug/L

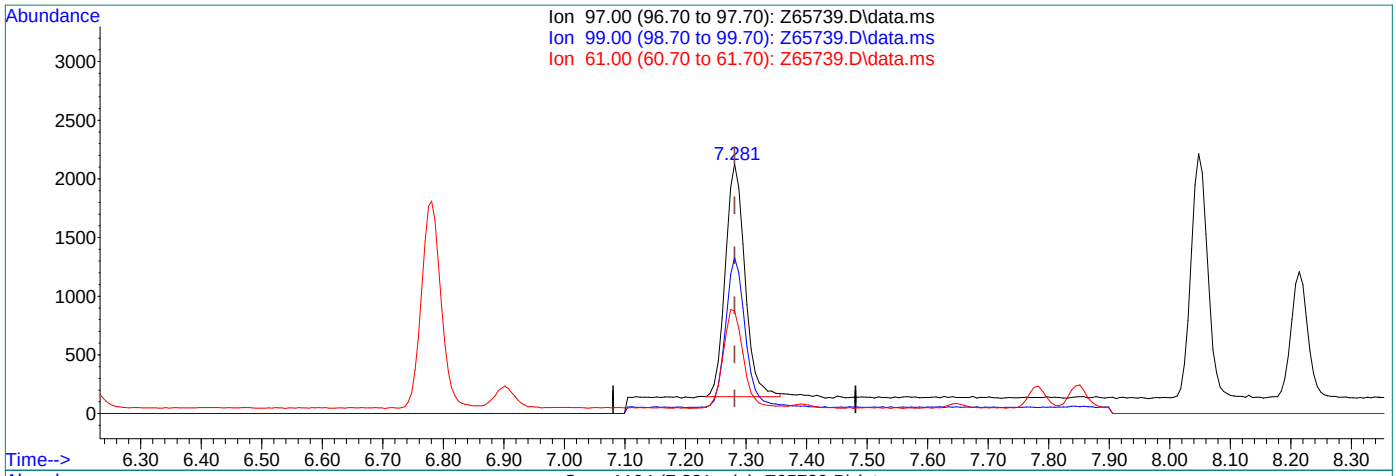
response 5157

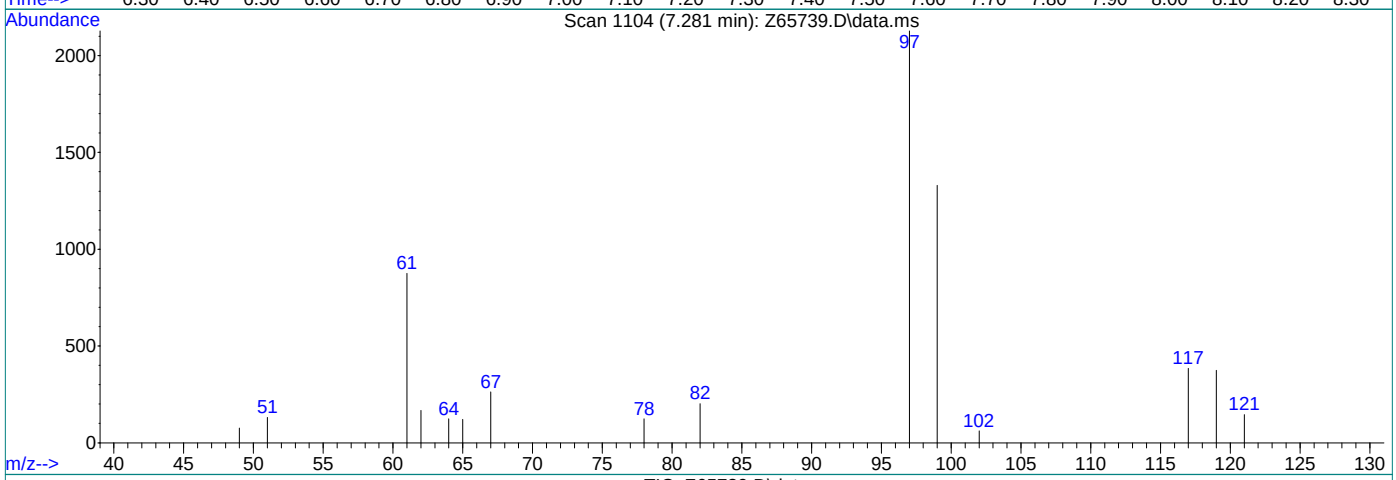
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	63.96
61.00	61.40	41.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.40ug/L m

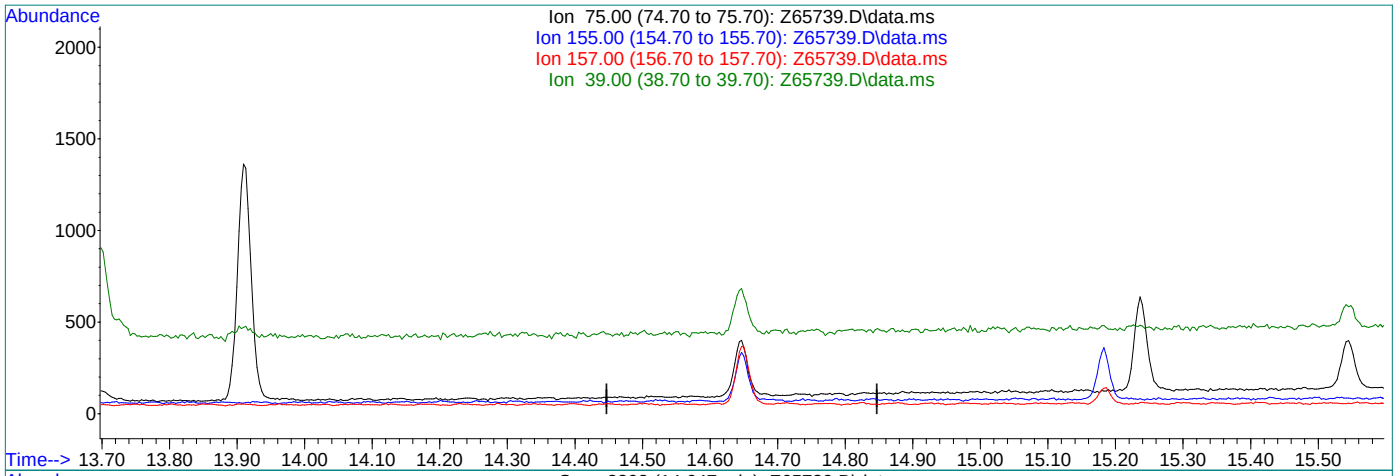
response 4454

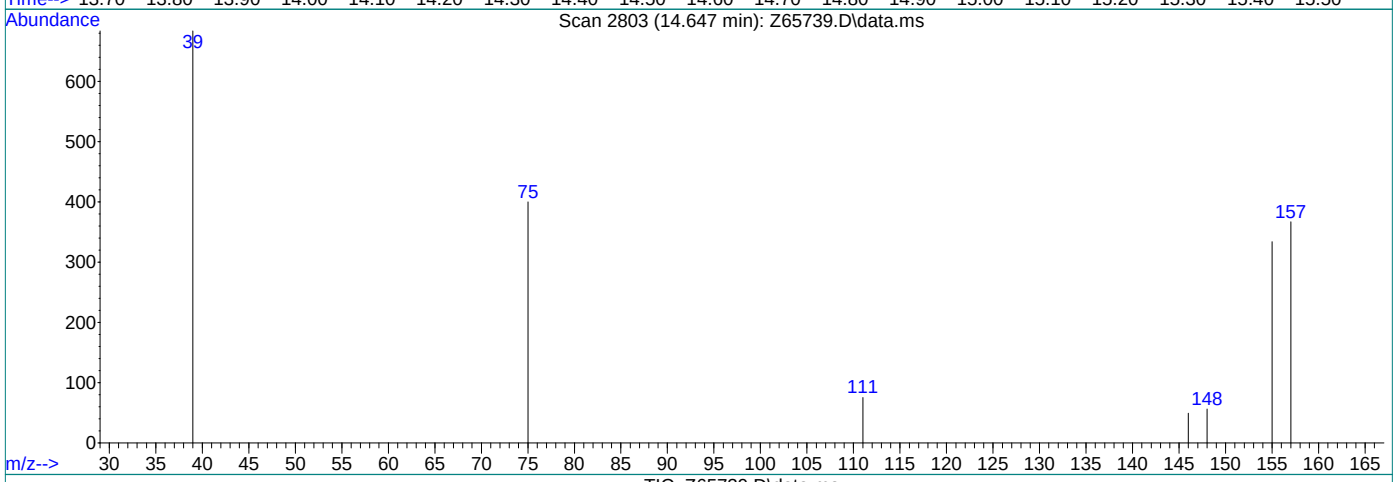
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.45
61.00	61.40	41.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

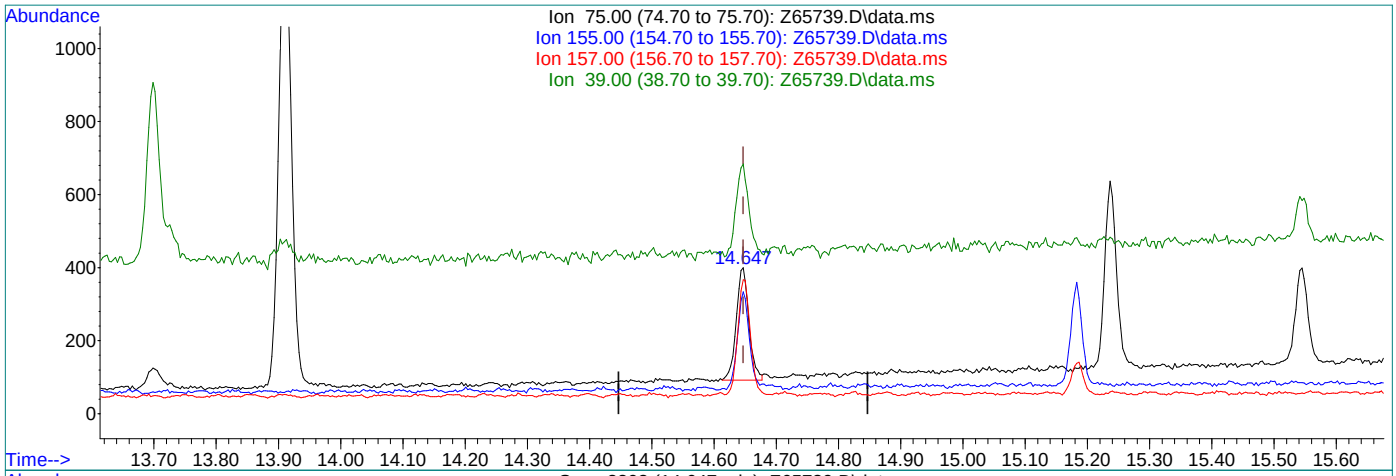
response 0

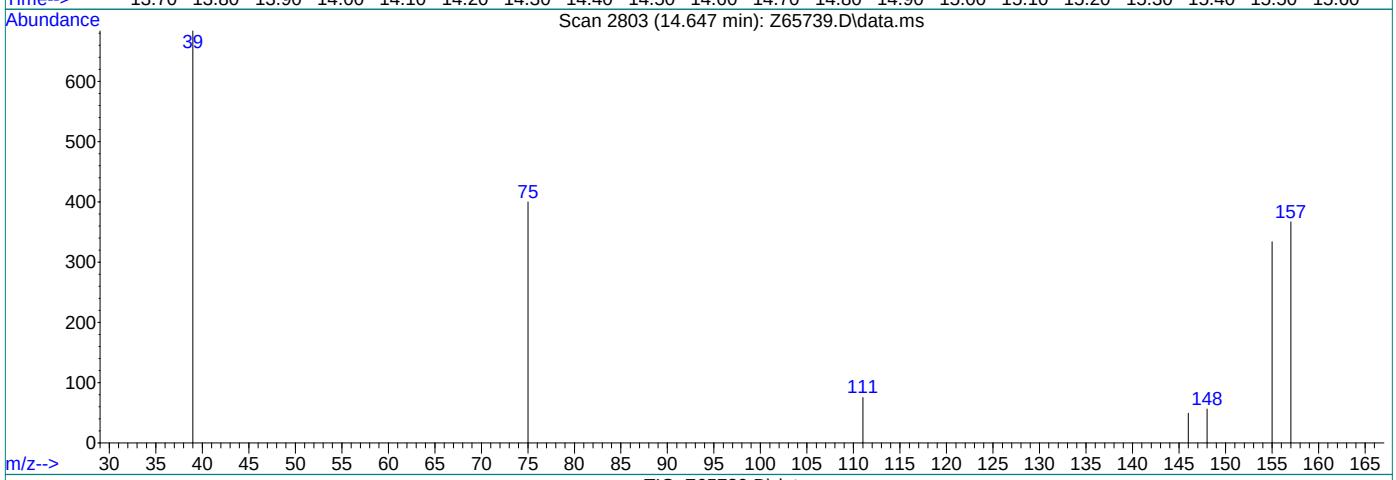
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.49ug/L m

response 436

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	83.50
157.00	81.90	91.75
39.00	23.90	171.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration

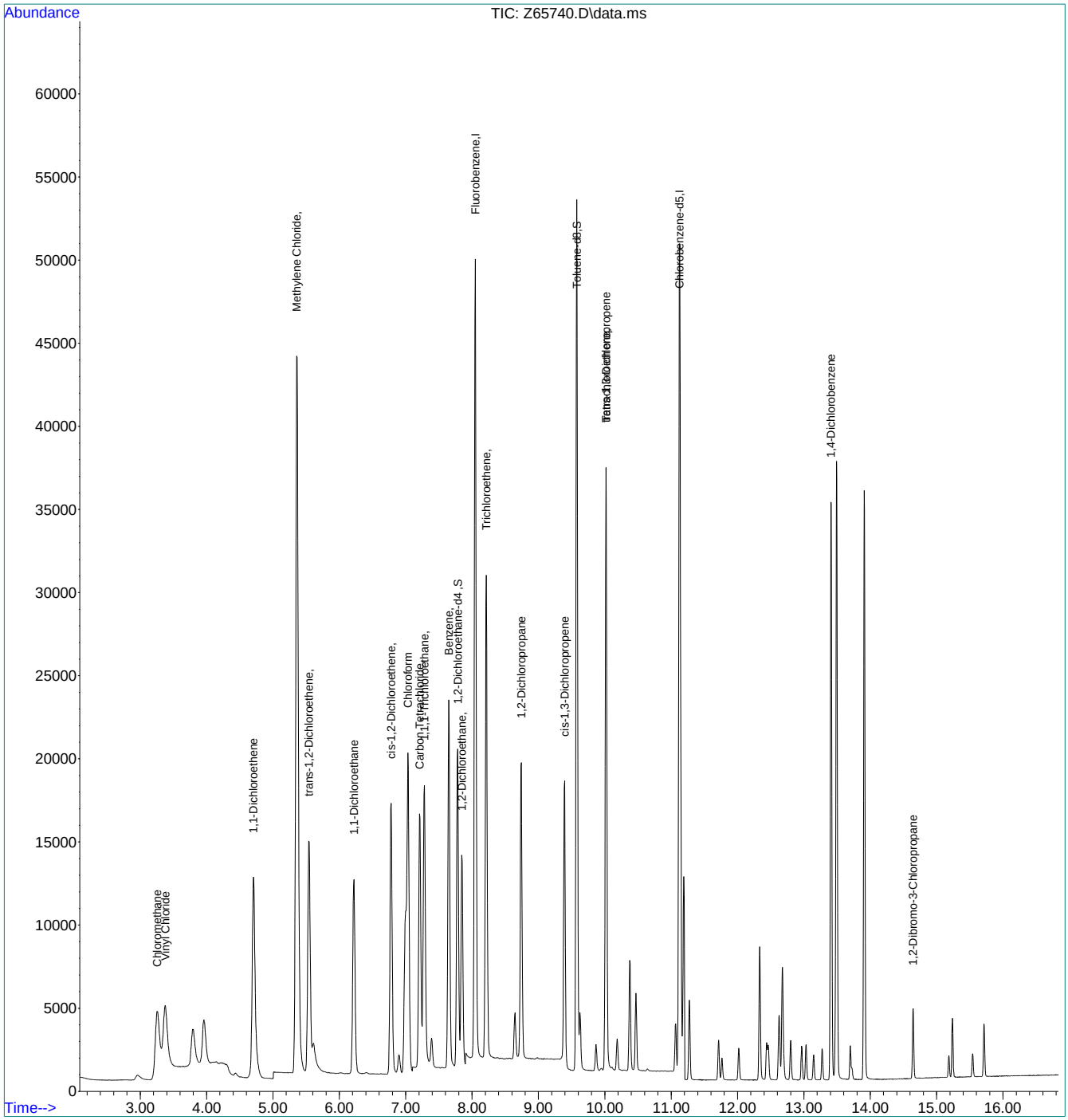
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57686	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42748	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20517	4.54	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.80%			
19) Toluene-d8	9.576	98	51803	5.70	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 114.00%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	11907	1.46	ug/L	94
3) Chloromethane	3.255	50	14040	1.51	ug/L	97
4) 1,1-Dichloroethene	4.704	61	14790	1.65	ug/L	96
5) Methylene Chloride	5.358	49	40899	0.60	ug/L #	64
6) trans-1,2-Dichloroethene	5.540	61	13999	1.68	ug/L	82
7) 1,1-Dichloroethane	6.221	63	16259	1.56	ug/L	93
8) cis-1,2-Dichloroethene	6.781	96	10684	1.75	ug/L #	73
9) Chloroform	7.034	83	20526	1.58	ug/L	88
10) Carbon Tetrachloride	7.207	117	13414	1.62	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	16402	1.62	ug/L	86
12) Benzene	7.648	78	36701	1.66	ug/L	82
14) 1,2-Dichloroethane	7.845	62	13161	1.60	ug/L	85
15) Trichloroethene	8.214	95	10480	1.64	ug/L	93
16) 1,2-Dichloropropane	8.742	63	9350	1.65	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	14475	1.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	11913	2.02	ug/L #	76
21) Tetrachloroethene	10.017	166	10068	1.84	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	21381	1.87	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	1603	1.87	ug/L #	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:31 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration

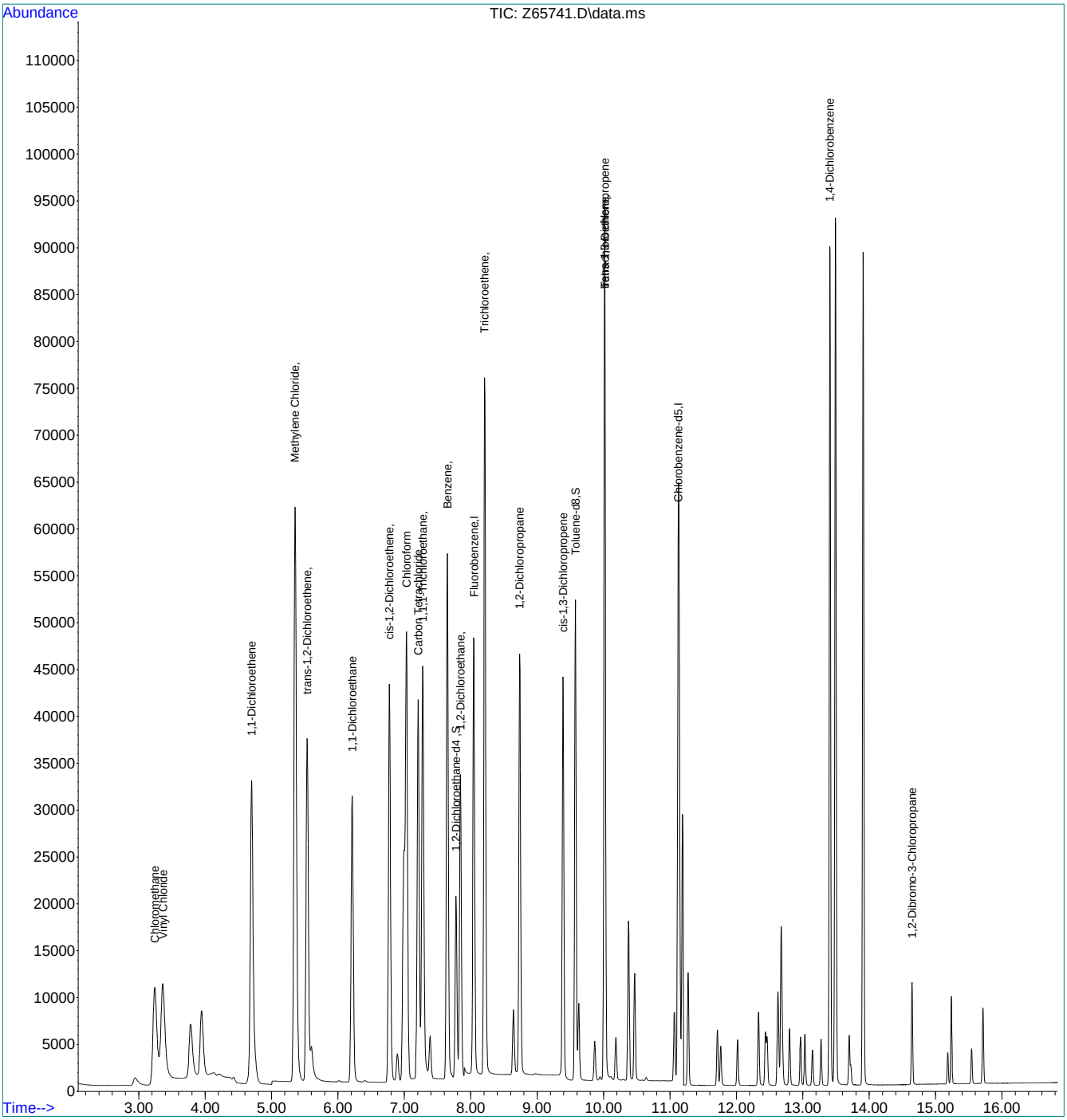
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55914	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41126	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	18510	4.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 87.40%			
19) Toluene-d8	9.577	98	49821	5.56	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.364	62	30259	4.11	ug/L	95
3) Chloromethane	3.242	50	32353	3.74	ug/L	99
4) 1,1-Dichloroethene	4.700	61	37714	4.51	ug/L	97
5) Methylene Chloride	5.353	49	55629	0.82	ug/L #	64
6) trans-1,2-Dichloroethene	5.534	61	35168	4.51	ug/L	82
7) 1,1-Dichloroethane	6.215	63	40749	4.25	ug/L	95
8) cis-1,2-Dichloroethene	6.775	96	26608	4.59	ug/L #	75
9) Chloroform	7.033	83	49094	4.10	ug/L	87
10) Carbon Tetrachloride	7.207	117	33924	4.44	ug/L	99
11) 1,1,1-Trichloroethane	7.274	97	41008	4.37	ug/L	88
12) Benzene	7.648	78	91007	4.36	ug/L	80
14) 1,2-Dichloroethane	7.844	62	32887	4.33	ug/L	85
15) Trichloroethene	8.208	95	26452	4.41	ug/L	97
16) 1,2-Dichloropropane	8.736	63	23022	4.35	ug/L	86
17) cis-1,3-Dichloropropene	9.388	75	36567	5.07	ug/L #	74
20) trans-1,3-Dichloropropene	10.017	75	30470	5.35	ug/L #	76
21) Tetrachloroethene	10.017	166	25440	4.95	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	53698	4.93	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	14.647	75	3995	4.89	ug/L #	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration

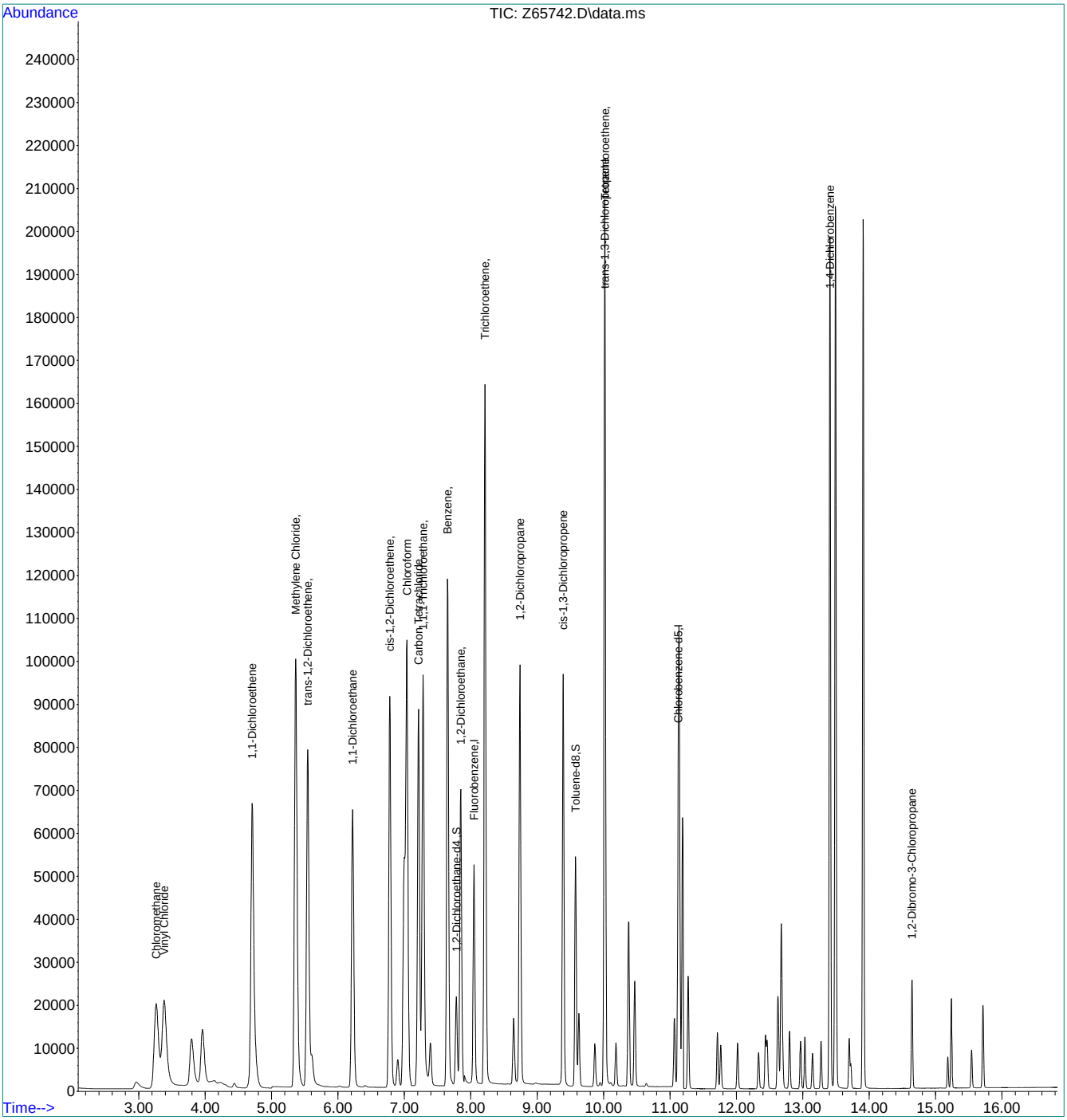
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	60384	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44007	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	19882	4.50	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.00%			
19) Toluene-d8	9.577	98	53430	5.42	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	64332	8.57	ug/L	97
3) Chloromethane	3.263	50	67278	7.47	ug/L	98
4) 1,1-Dichloroethene	4.708	61	82511	9.44	ug/L	97
5) Methylene Chloride	5.364	49	94217	1.28	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	77400	9.48	ug/L	80
7) 1,1-Dichloroethane	6.220	63	89464	9.08	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	58466	9.55	ug/L #	75
9) Chloroform	7.039	83	106015	8.66	ug/L	87
10) Carbon Tetrachloride	7.213	117	73780	9.30	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	89576	9.21	ug/L	87
12) Benzene	7.648	78	198305	9.11	ug/L	82
14) 1,2-Dichloroethane	7.851	62	71810	9.17	ug/L	84
15) Trichloroethene	8.214	95	58012	9.23	ug/L	95
16) 1,2-Dichloropropane	8.742	63	50025	9.09	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	81229	10.39	ug/L #	70
20) trans-1,3-Dichloropropene	10.017	75	68772m	11.24	ug/L	
21) Tetrachloroethene	10.022	166	55288	10.15	ug/L #	95
22) 1,4-Dichlorobenzene	13.411	146	119673	10.35	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	9342	10.74	ug/L #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:35 2021 Page: 2

Manual Integration Approval Summary

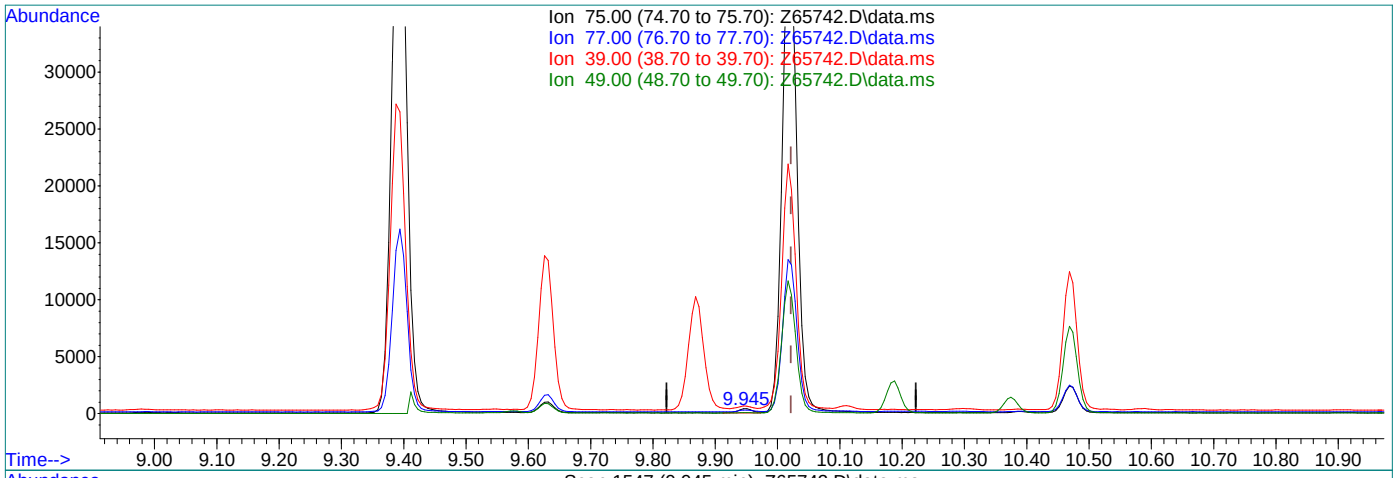
Sample Number:	VZ2586-ICC2586	**Method:**	SW846 8260B BY SIM
Lab FileID:	Z65742.D	**Analyst approved:**	09/08/21 08:29 Charlene Gonzalez
Injection Time:	09/07/21 11:27	**Supervisor approved:**	09/08/21 10:05 Sean Pioro

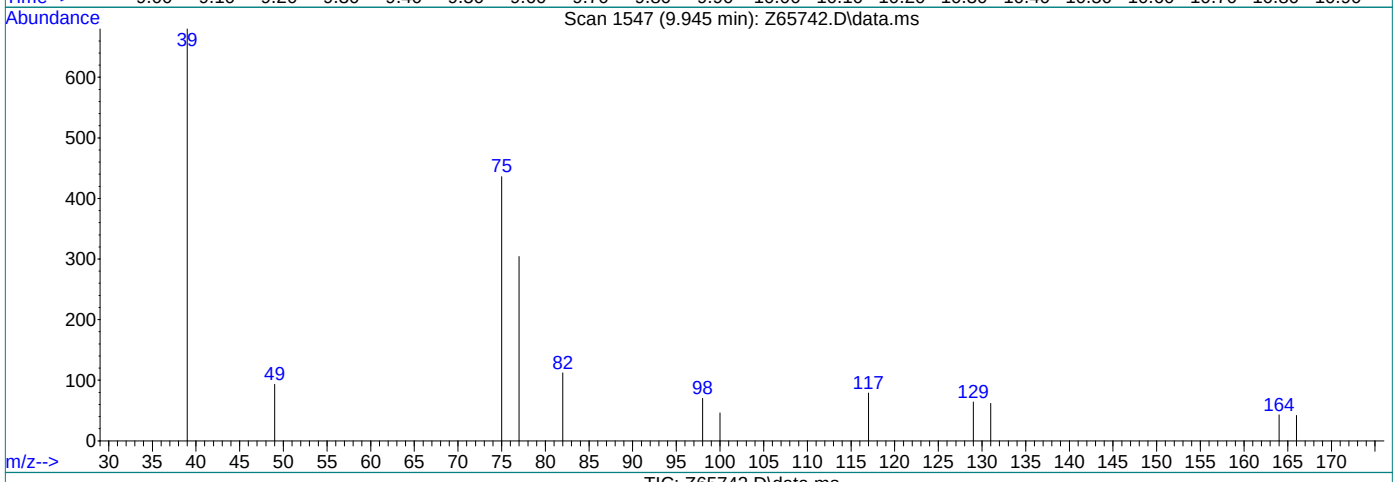
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.09ug/L

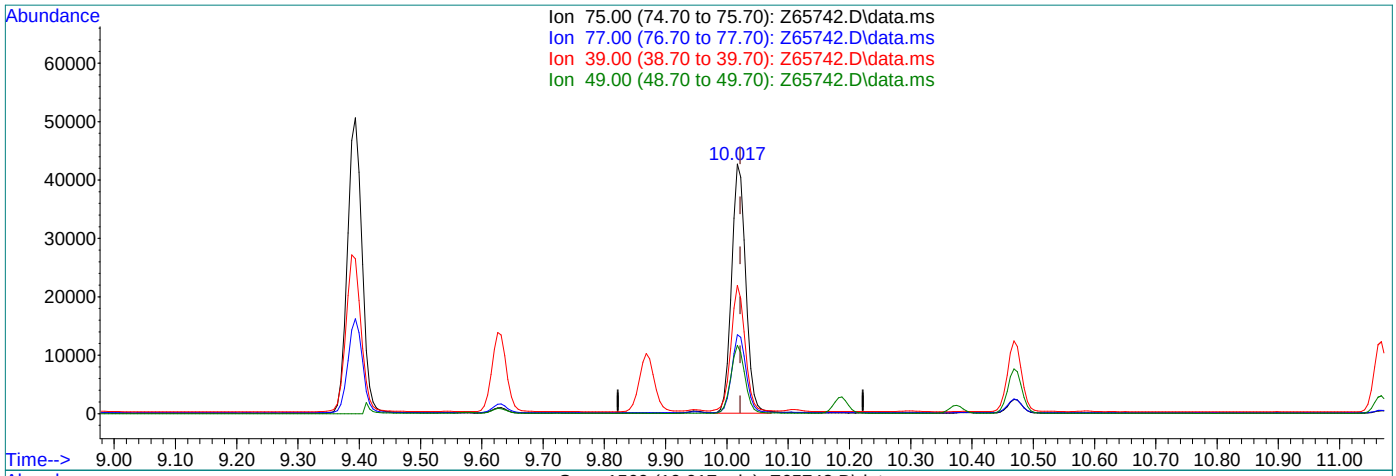
response 572

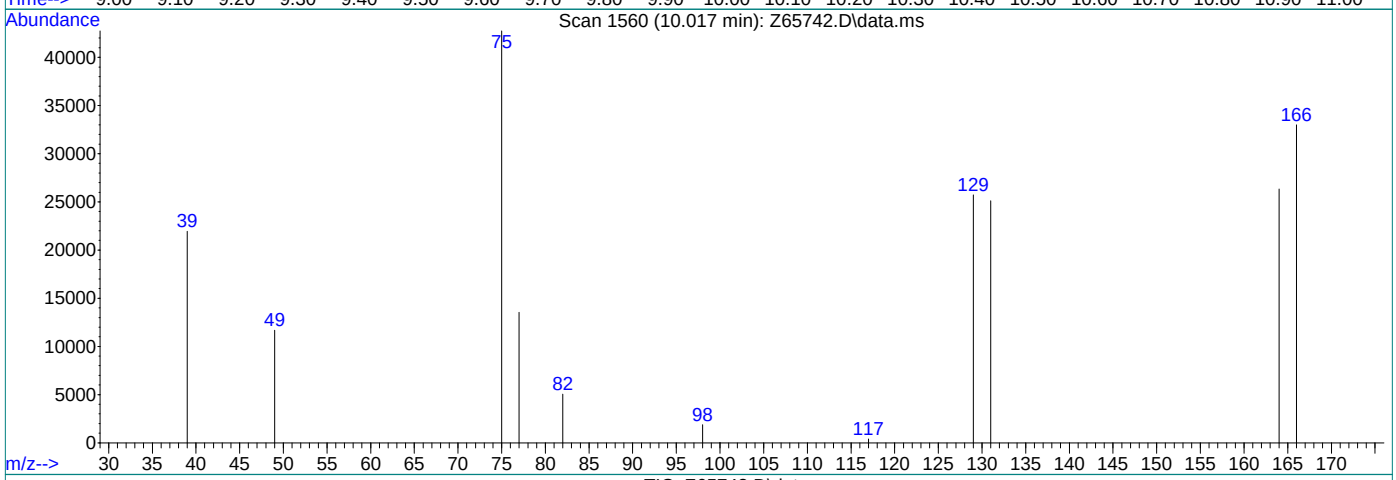
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	37.16
39.00	84.50	57.10
49.00	23.10	12.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 11.24ug/L m

response 68772

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.65
39.00	84.50	51.31#
49.00	23.10	27.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

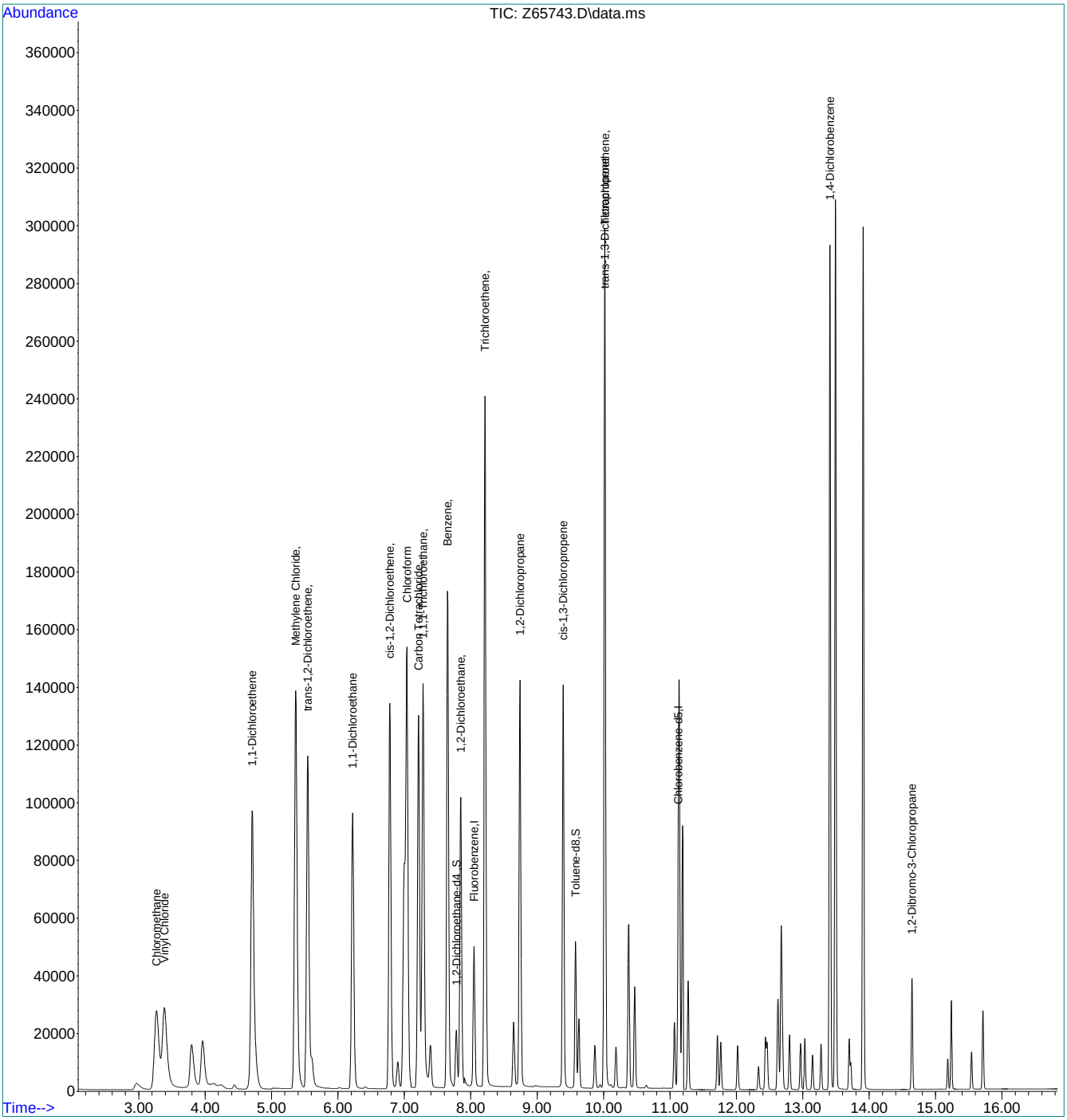
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57991	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	41634	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19125	4.65	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%				
19) Toluene-d8	9.577	98	50016	5.21	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	92413	13.63	ug/L		97
3) Chloromethane	3.267	50	96110	11.53	ug/L		99
4) 1,1-Dichloroethene	4.708	61	121472	14.94	ug/L		97
5) Methylene Chloride	5.364	49	130688	1.85	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	114352	15.01	ug/L		80
7) 1,1-Dichloroethane	6.220	63	132244	14.58	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	86668	15.00	ug/L	#	76
9) Chloroform	7.039	83	156492	13.93	ug/L		87
10) Carbon Tetrachloride	7.213	117	109314	14.89	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	131563	14.60	ug/L		88
12) Benzene	7.648	78	290426	14.33	ug/L		82
14) 1,2-Dichloroethane	7.851	62	104911	14.47	ug/L		85
15) Trichloroethene	8.214	95	85114	14.53	ug/L		94
16) 1,2-Dichloropropane	8.742	63	72640	14.21	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	118708	15.94	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	101613	17.51	ug/L	#	75
21) Tetrachloroethene	10.022	166	79427	15.48	ug/L	#	95
22) 1,4-Dichlorobenzene	13.411	146	176907	16.16	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	14159	16.98	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

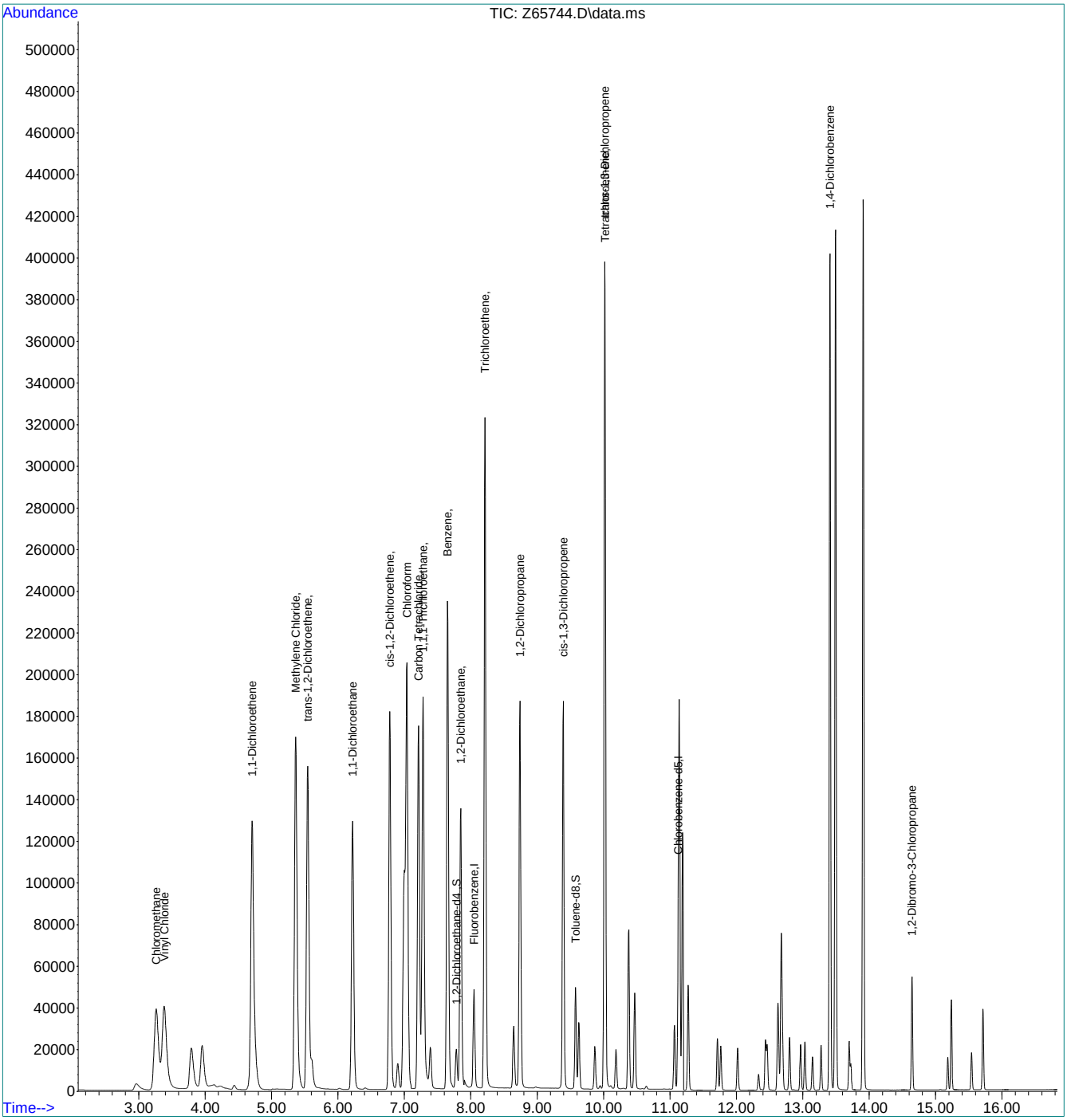
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55484	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39994	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18318	4.65	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%			
19) Toluene-d8	9.576	98	48062	5.21	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	126859	19.55	ug/L	97
3) Chloromethane	3.263	50	131510	16.49	ug/L	99
4) 1,1-Dichloroethene	4.708	61	163703	21.04	ug/L	97
5) Methylene Chloride	5.364	49	160840	2.38	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	153204	21.03	ug/L	79
7) 1,1-Dichloroethane	6.221	63	176994	20.39	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	116069	21.00	ug/L #	75
9) Chloroform	7.039	83	208704	19.41	ug/L	87
10) Carbon Tetrachloride	7.213	117	147350	20.98	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	176520	20.47	ug/L	87
12) Benzene	7.648	78	389166	20.08	ug/L	82
14) 1,2-Dichloroethane	7.851	62	139247	20.08	ug/L	85
15) Trichloroethene	8.214	95	114255	20.38	ug/L	93
16) 1,2-Dichloropropane	8.742	63	96568	19.75	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	156449	21.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	135177	24.24	ug/L #	76
21) Tetrachloroethene	10.022	166	106721	21.65	ug/L #	95
22) 1,4-Dichlorobenzene	13.410	146	238267	22.66	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.643	75	19856	24.79	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:39 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

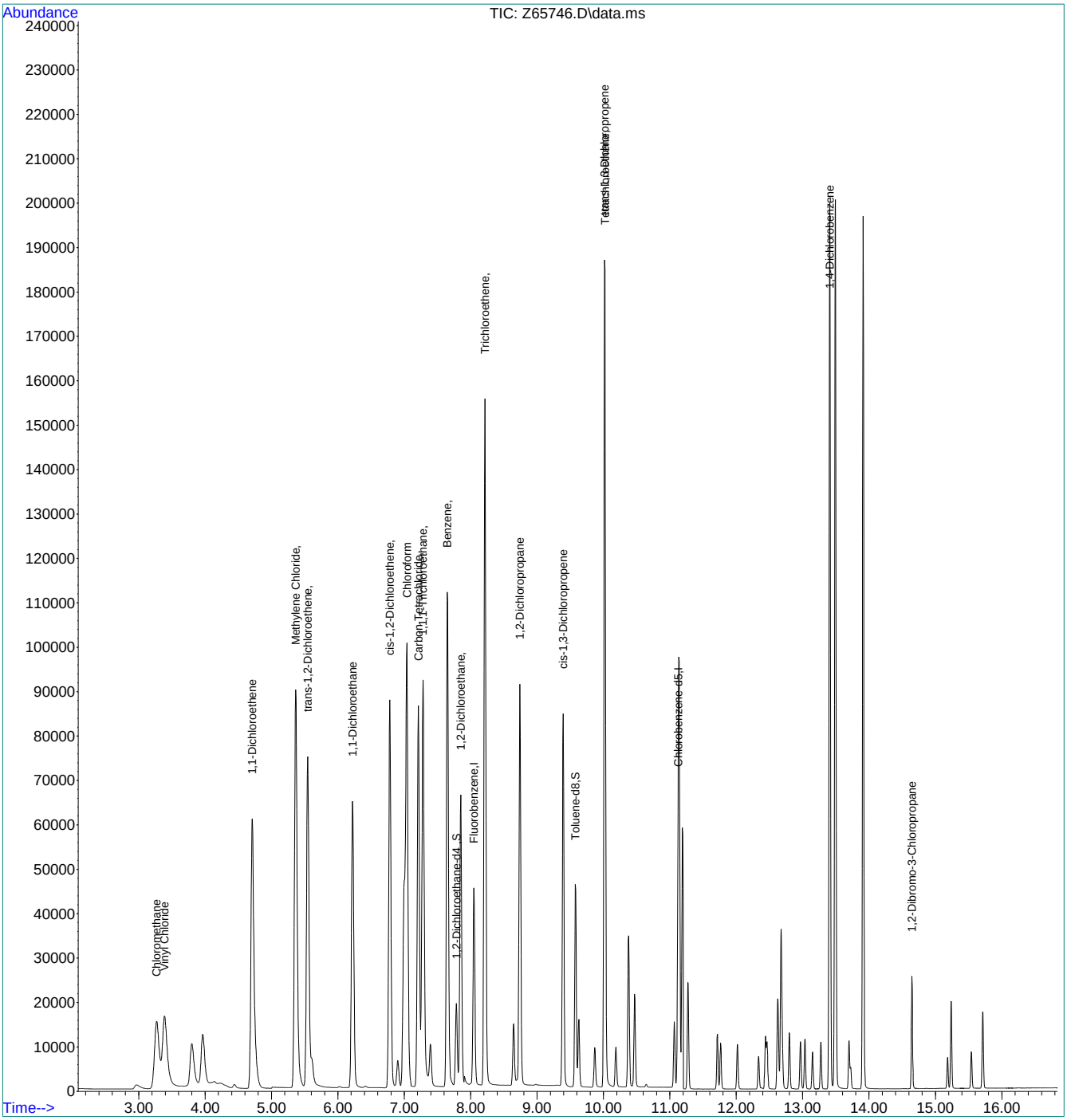
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	53311	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38388	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17883	4.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%				
19) Toluene-d8	9.576	98	45701	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	53617	9.59	ug/L		97
3) Chloromethane	3.267	50	54345	9.20	ug/L		98
4) 1,1-Dichloroethene	4.708	61	79180	11.27	ug/L		96
5) Methylene Chloride	5.364	49	86592	10.76	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	73952	11.25	ug/L		80
7) 1,1-Dichloroethane	6.221	63	89958	11.79	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	57328	11.40	ug/L	#	75
9) Chloroform	7.039	83	102375	10.96	ug/L		87
10) Carbon Tetrachloride	7.213	117	72294	11.57	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	86591	11.38	ug/L		88
12) Benzene	7.648	78	188159	10.96	ug/L		82
14) 1,2-Dichloroethane	7.851	62	68162	11.07	ug/L		84
15) Trichloroethene	8.214	95	56039	11.27	ug/L		94
16) 1,2-Dichloropropane	8.742	63	46487	10.79	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	69966	9.83	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	63449	10.56	ug/L	#	76
21) Tetrachloroethene	10.022	166	51685	11.19	ug/L	#	95
22) 1,4-Dichlorobenzene	13.410	146	119017	11.96	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9177	11.43	ug/L	#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65823.D
Acq On : 10 Sep 2021 10:02 am
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49709,VZ2589,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 10:34:42 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

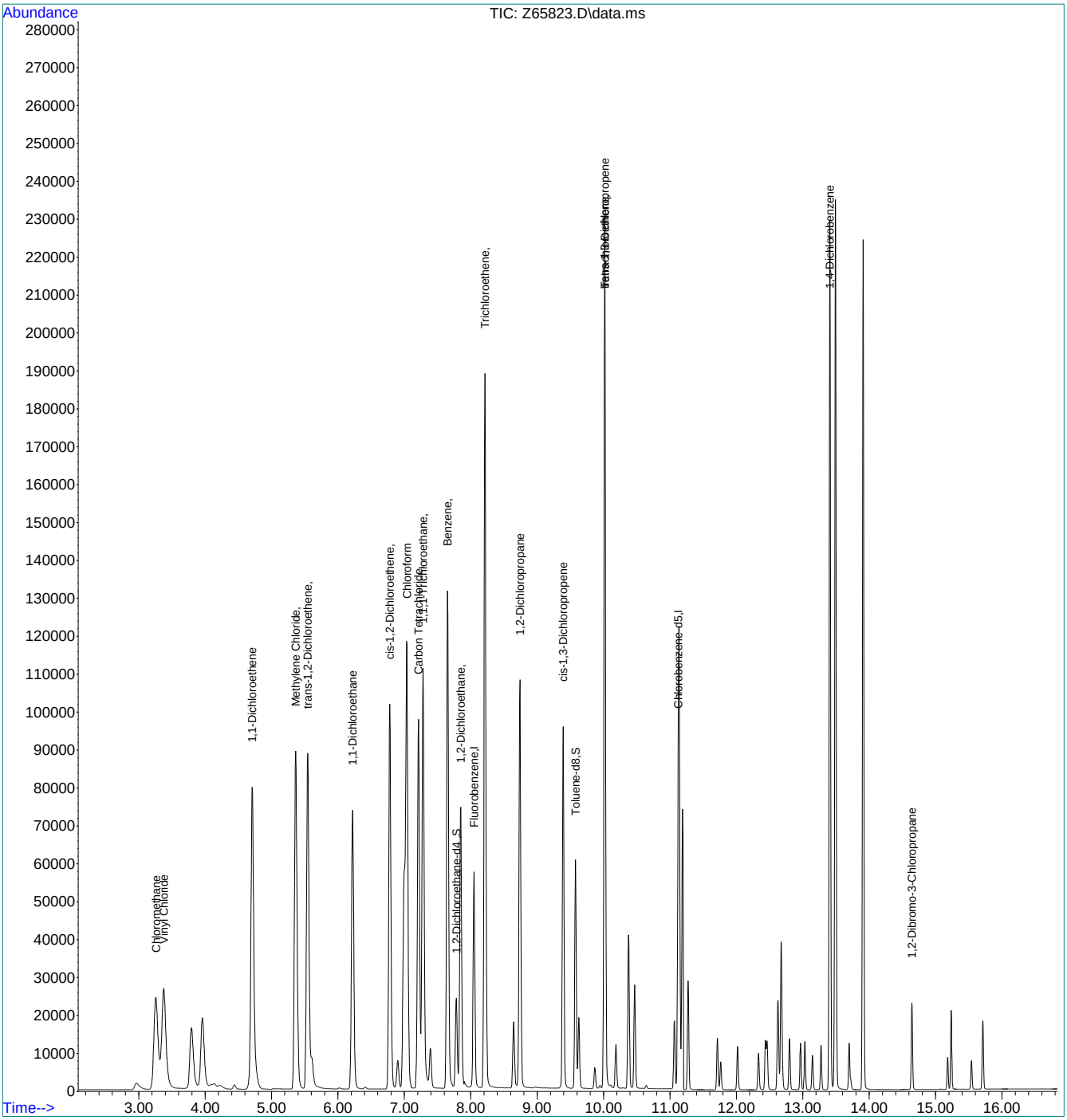
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	68654	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	53924	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	22353	4.82	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 96.40%				
19) Toluene-d8	9.577	98	58829	4.51	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	76655	10.65	ug/L		97
3) Chloromethane	3.259	50	79756	10.42	ug/L		98
4) 1,1-Dichloroethene	4.708	61	90728	10.03	ug/L		99
5) Methylene Chloride	5.364	49	80924	7.81	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	85448	10.09	ug/L		76
7) 1,1-Dichloroethane	6.220	63	100435	10.22	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	66333	10.24	ug/L	#	73
9) Chloroform	7.039	83	121575	10.10	ug/L		86
10) Carbon Tetrachloride	7.213	117	82231	10.22	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	101969	10.40	ug/L		86
12) Benzene	7.648	78	219544	9.93	ug/L		81
14) 1,2-Dichloroethane	7.851	62	76995	9.71	ug/L		85
15) Trichloroethene	8.214	95	67308	10.51	ug/L		91
16) 1,2-Dichloropropane	8.742	63	56814	10.24	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	82169	9.00	ug/L	#	66
20) trans-1,3-Dichloropropene	10.017	75	66461	8.05	ug/L	#	73
21) Tetrachloroethene	10.017	166	69820	10.76	ug/L	#	94
22) 1,4-Dichlorobenzene	13.407	146	138412	9.90	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	8014	7.11	ug/L	#	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65823.D
Acq On : 10 Sep 2021 10:02 am
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49709,VZ2589,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 10:34:42 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65834.D
Acq On : 10 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 14:08:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

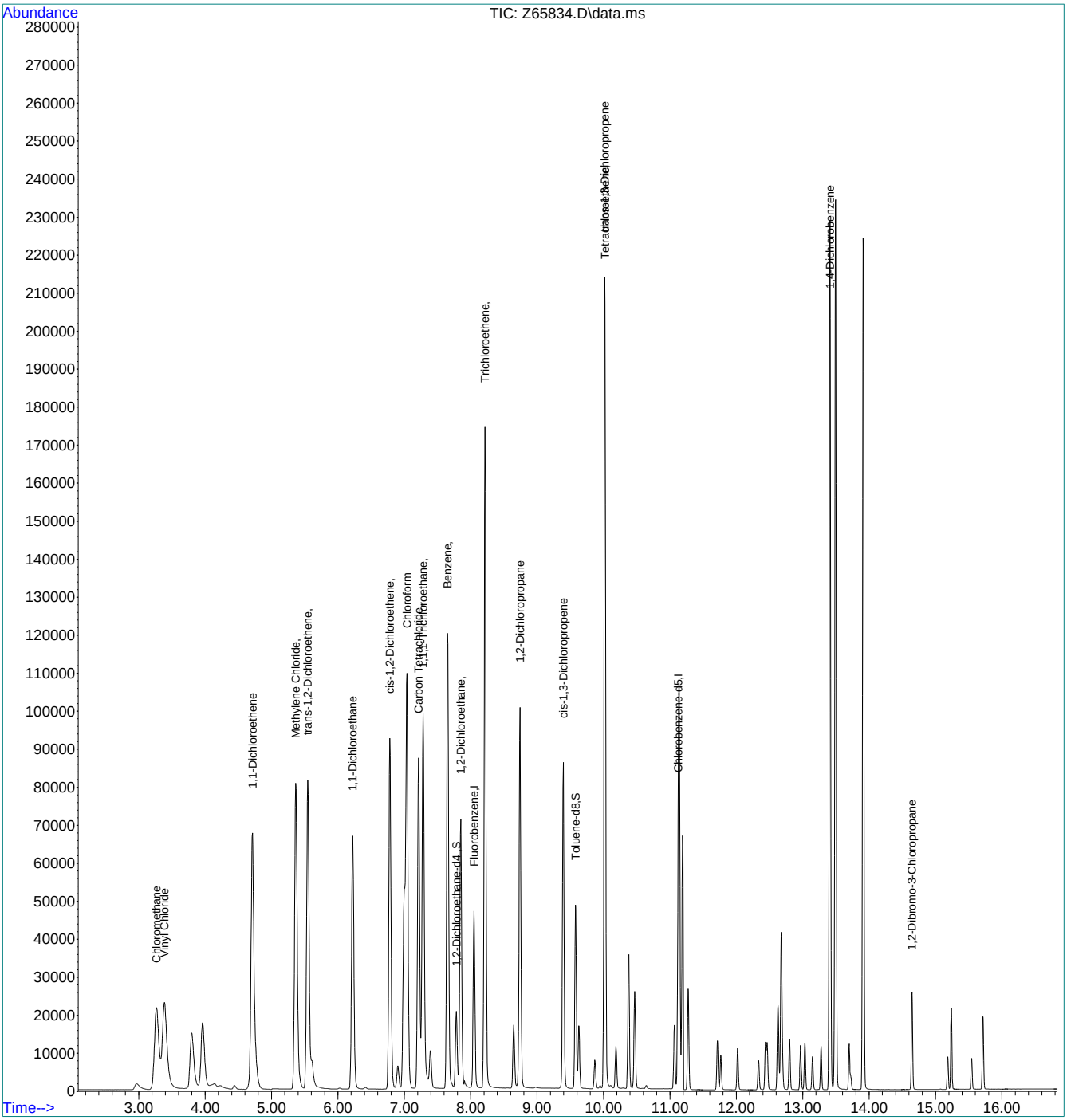
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	56072	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	44417	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18850	4.98	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%			
19) Toluene-d8	9.576	98	47957	4.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	71586	12.17	ug/L	97
3) Chloromethane	3.268	50	75770	12.02	ug/L	98
4) 1,1-Dichloroethene	4.713	61	82834	11.21	ug/L	99
5) Methylene Chloride	5.364	49	75614	8.94	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	77823	11.25	ug/L	77
7) 1,1-Dichloroethane	6.221	63	91740	11.43	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	60491	11.44	ug/L #	74
9) Chloroform	7.039	83	110998	11.29	ug/L	87
10) Carbon Tetrachloride	7.214	117	73771	11.23	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	92540	11.56	ug/L	87
12) Benzene	7.648	78	200351	11.10	ug/L	82
14) 1,2-Dichloroethane	7.851	62	72276	11.16	ug/L	86
15) Trichloroethene	8.214	95	61907	11.84	ug/L	92
16) 1,2-Dichloropropane	8.742	63	51822	11.44	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	72855	9.73	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	63486	9.24	ug/L #	74
21) Tetrachloroethene	10.022	166	63710	11.92	ug/L #	97
22) 1,4-Dichlorobenzene	13.410	146	140792	12.23	ug/L	96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	8737	9.41	ug/L #	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65834.D
Acq On : 10 Sep 2021 1:47 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49753,VZ2589,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 14:08:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/10/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-10-2021.M
CALIB. DATE:	9/10/2021
EM VOLTAGE:	1518V
BFB RESPONSE:	2186585
AFA:	N/A
RUN ID:	**VO2552**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/10/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65071	MB	-	-	W	1	BFB_SIM		-	-	-	
O65072	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65073	IC2552-1	-	-	W	3	ACQ_SIMCLb	#3 OP ; 9, 10 PDB	-	-	-	1uL→ 100mL
O65074	IC2552-2	-	-	W	4	ACQ_SIMCLb	#9, 10 PDB	-	-	-	5uL→ 100mL
O65075	IC2552-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65076	IC2552-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65077	ICC2552-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65078	IC2552-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65079	IC2552-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65080	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O65081	ICV2552-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/10/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-10-2021.M
CALIB. DATE:	9/10/2021
EM VOLTAGE:	1518V
BFB RESPONSE:	2203966
AFA:	N/A
RUN ID:	**VO2553**

BFB:	V26371
ICAL/CC:	VS1466, VS1471
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1472

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/11/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65082	MB	-	-	W	1	BFB_SIM		-	-	-	
O65083	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65084	CC2552-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65085	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65086	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65087	FA88755-4	1x	2	W	6	ACQ_SIMCLb		1	N	-	
O65088	FA88620-2	1x	1	W	7	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65089	FA88620-3	1x	1	W	8	ACQ_SIMCLb	#9 PDB	1	N	-	
O65090	FA88620-4	1x	1	W	9	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65091	FA88620-5	1x	1	W	10	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65092	FA88620-6	1x	1	W	11	ACQ_SIMCLb		1	N	-	
O65093	FA88620-7	1x	1	W	12	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65094	FA88620-8	1x	1	W	13	ACQ_SIMCLb	#9 PDB	1	N	-	
O65095	FA88620-9	1x	1	W	14	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65096	FA88620-10	1x	1	W	15	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65097	FA88620-11	1x	1	W	16	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65098	FA88620-12	1x	1	W	17	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65099	FA88620-13	1x	1	W	18	ACQ_SIMCLb	#9 PDB	1	N	-	
O65100	FA88620-14	1x	1	W	19	ACQ_SIMCLb	#9 PDB	1	N	-	
O65101	FA88620-15	1x	1	W	20	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65102	FA88620-16	1x	1	W	21	ACQ_SIMCLb	#9 PDB	1	N	-	
O65103	FA88620-17	1x	1	W	22	ACQ_SIMCLb	#9 PDB	1	N	-	
O65104	FA88620-18	1x	1	W	23	ACQ_SIMCLb	#9, 10 PDB	1	N	-	
O65105	FA88620-19	1x	1	W	24	ACQ_SIMCLb		1	N	-	
O65106	FA88620-2MS	5x	2	W	25	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65107	FA88620-2MSD	5x	2	W	26	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65108	ECC2552-5	-	-	W	27	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/07/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1894893	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2586		DATE VERIFIED: 09/08/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65736	BFB	-	-	w	1	BFB_SIM		-	-	-	Passed Autofind
Z65737	MB	-	-	w	2	BFB_SIM		-	-	-	
Z65738	IC2586-1	-	-	w	3	ACQ_SIMCLB	#3 OP ; 9-11 PDB ; 22, 23 MP	-	-	-	1µL → 100mL ✓
Z65739	IC2586-2	-	-	w	4	ACQ_SIMCLB	#2, 3 OP ; 9-11 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65740	IC2586-3	-	-	w	5	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65741	IC2586-4	-	-	w	6	ACQ_SIMCLB		-	-	-	25µL → 50mL ✓
Z65742	ICC2586-5	-	-	w	7	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65743	IC2586-6	-	-	w	8	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65744	IC2586-7	-	-	w	9	ACQ_SIMCLB		-	-	-	100µL → 50mL ✓
Z65745	MB	-	-	w	10	ACQ_SIMCLB		-	-	-	
Z65746	ICV2586-5	-	-	w	11	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65747	BS	-	-	w	12	ACQ_SIMCLB		-	-	-	20µL → 40mL (not used, VC↓)
Z65748	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65749	BS	-	-	w	14	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65750	MB	-	-	w	15	ACQ_SIMCLB		-	-	-	MeC hit
Z65751	FA88617-2	1x	1	w	16	ACQ_SIMCLB		1	N	-	
Z65752	FA88617-3	1x	1	w	17	ACQ_SIMCLB		1	N	-	
Z65753	FA88617-11	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65754	FA88619-1	1x	1	w	19	ACQ_SIMCLB		1	N	-	
Z65755	FA88619-2	1x	1	w	20	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65756	FA88617-1	1x	1	w	21	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65757	FA88617-4	1x	1	w	22	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65758	FA88617-5	1x	1	w	23	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65759	FA88617-6	1x	1	w	24	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65760	FA88617-7	1x	1	w	25	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65761	FA88617-8	1x	1	w	26	ACQ_SIMCLB	#11 PDB	1	N	-	
Z65762	FA88617-9	1x	1	w	27	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65763	FA88617-10	1x	1	w	28	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65764	FA88617-12	1x	1	w	29	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65765	FA88619-2MS	5x	1	w	30	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65766	FA88619-2MSD	5x	1	w	31	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65767	ECC2586-5	-	-	w	32	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration

Analyst's Signature: CharleneG.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/10/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1769699	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2589		DATE VERIFIED: 09/10/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65821	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65822	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65823	CC2586-5	-	-	w	3	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65824	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65825	MB	-	-	w	5	ACQ_SIMCLB	#9 PDB	-	-	-	MeC hit
Z65826	FA88755-4	1x	1	w	6	ACQ_SIMCLB		1	N	1x	SS2 ↓
Z65827	FA88755-1	1x	1	w	7	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65828	FA88755-2	1x	1	w	8	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65829	FA88755-3	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65830	FA88755-5	1x	1	w	10	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65831	FA88755-6	1x	1	w	11	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65832	FA88755-2ms	5x	1	w	12	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65833	FA88755-2msd	5x	1	w	13	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65834	ECC2586-5	-	-	w	14	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

VZ2589 040918

Analyst's Signature: Charlene G.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fmr Fort Ord 3Q21) OUCTP-Lower

SGS Job Number: FA89261

Sampling Date: 09/23/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: 77

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA89261

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fmr Fort Ord 3Q21) OUCTP-Lower

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA89261-1	09/23/21	12:30	MF	09/24/21	AQ	Ground Water	2138M0BW168F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA89261

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/27/2021 4:59:32

On 09/24/2021, 1 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA89261 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2567

Sample(s) FA89259-2MS, FA89259-2MSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA89261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA89261-1	**2138M0BW168F**					
Trichloroethylene		1.8	0.50	0.25	ug/l	SW846 8260B BY SIM

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2138M0BW168F		
Lab Sample ID:	FA89261-1	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65379.D	1	09/24/21 20:07	CG	n/a	n/a	VO2567
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.8	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

FA89261

Ahtna

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0197

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA

Project Name: ~~Fort Ord MWs~~ OUCTP MWs

Project Number: 21065.000.01.0000 (Task 7.1)

Sampling Event/Site: 3rd Qtr 2021

Sampler/s: MARK FISLER

Report To: Derek Lieberman

E-Mail: dlieberman@ahtna.net

Laboratory: SGS

Lab Sample Receipt:

Laboratory Sample Delivery

Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection: Date	Sample Collection: Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2138MOBW168F	9/23/21	1230	X			3	3								X			

INITIAL ASSESSMENT SD

LABEL VERIFICATION

Turnaround Time: ____: Standard X: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: Tracking ID:

Comments:

OUCTP - LOWER

Chain of Custody Tracking:

Relinquished By/Sampler:	Date/Time:	Received By:	Date/Time:
	9/23/21 1400		
Relinquished By:	Date/Time:	Received By:	Date/Time:
			9/24/21 0945
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time:

5.1 5

FA89261: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA89261 **Client:** AHTNA **Project:** Fmr Fort Ord 3Q21 GWM - OUCTP Lower

Date / Time Received: 9/24/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 284100639144

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.4);

Cooler Temps (Corrected) °C: Cooler 1: (0.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☐		☑	☐
	W	**or**	**S**	**N/A**
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/24/2021 9:45:00 AM Reviewer: PH Date: 9/25/2021

FA89261: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5.x Limits

Job Number: FA89261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/23/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2567	SW846 8260B BY SIM						
VO2567-BS	56-23-5	Carbon Tetrachloride	BSP	REC	88	%	72-136
VO2567-BS	107-06-2	1,2-Dichloroethane	BSP	REC	90	%	73-128
VO2567-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VO2567-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VO2567-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
FA89259-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	106	%	72-136
FA89259-2MS*	107-06-2	1,2-Dichloroethane	MS	REC	107	%	73-128
FA89259-2MS*	79-01-6	Trichloroethylene	MS	REC	122	%	79-123
FA89259-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	98	%	81-118
FA89259-2MS*	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
FA89259-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA89259-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FA89259-2MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	106	%	73-128
FA89259-2MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	1	%	20
FA89259-2MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA89259-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FA89259-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	99	%	81-118
FA89259-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
VO2567-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VO2567-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112
FA89261-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA89261-1	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112

* Sample used for QC is not from job FA89261

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2567-MB	O65367.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89261-1

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

Blank Spike Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2567-BS	O65365.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89261-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.4	88	76-136
107-06-2	1,2-Dichloroethane	5	4.5	90	75-125
79-01-6	Trichloroethylene	5	5.2	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA89259-2MS	O65382.D	5	09/24/21	CG	n/a	n/a	VO2567
FA89259-2MSD	O65383.D	5	09/24/21	CG	n/a	n/a	VO2567
FA89259-2	O65369.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89261-1

CAS No.	Compound	FA89259-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	26.4	106	25	25.6	102	3	76-136/23
107-06-2	1,2-Dichloroethane	0.50	U	25	26.8	107	25	26.6	106	1	75-125/14
79-01-6	Trichloroethylene	0.50	U	25	30.6	122	25	29.1	116	5	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA89259-2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	99%	98%	74-125%
2037-26-5	Toluene-D8	95%	96%	98%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-BFB
Lab File ID: O65338.D
Instrument ID: GCMSO
Injection Date: 09/22/21
Injection Time: 15:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	81917	21.8		Pass
75	30.0 - 60.0% of mass 95	179899	47.9		Pass
95	Base peak, 100% relative abundance	375851	100.0		Pass
96	5.0 - 9.0% of mass 95	24796	6.60		Pass
173	Less than 2.0% of mass 174	2117	0.56	(0.75) [a]	Pass
174	50.0 - 100.0% of mass 95	282389	75.1		Pass
175	5.0 - 9.0% of mass 174	20370	5.42	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	272021	72.4	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	17413	4.63	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2566-IC2566	O65339.D	09/22/21	16:00	00:23	Initial cal 1
VO2566-IC2566	O65340.D	09/22/21	16:23	00:46	Initial cal 2
VO2566-IC2566	O65341.D	09/22/21	16:46	01:09	Initial cal 3
VO2566-IC2566	O65342.D	09/22/21	17:09	01:32	Initial cal 4
VO2566-ICC2566	O65343.D	09/22/21	17:32	01:55	Initial cal 5
VO2566-IC2566	O65344.D	09/22/21	17:56	02:19	Initial cal 6
VO2566-IC2566	O65345.D	09/22/21	18:19	02:42	Initial cal 7
VO2566-ICV2566	O65347.D	09/22/21	19:06	03:29	Initial cal verification 5
VO2566-BS	O65348.D	09/22/21	19:28	03:51	Blank Spike
VO2566-MB	O65350.D	09/22/21	20:14	04:37	Method Blank
ZZZZZZ	O65351.D	09/22/21	20:37	05:00	(unrelated sample)
FA88845-9	O65352.D	09/22/21	20:59	05:22	(used for QC only; not part of job FA89261)
FA88845-9MS	O65353.D	09/22/21	21:22	05:45	Matrix Spike
FA88845-9MSD	O65354.D	09/22/21	21:45	06:08	Matrix Spike Duplicate
VO2566-ECC2566	O65355.D	09/22/21	22:09	06:32	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-BFB
Lab File ID: O65363.D
Instrument ID: GCMSO
Injection Date: 09/24/21
Injection Time: 13:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	75195	22.4		Pass
75	30.0 - 60.0% of mass 95	162293	48.3		Pass
95	Base peak, 100% relative abundance	336192	100.0		Pass
96	5.0 - 9.0% of mass 95	23016	6.85		Pass
173	Less than 2.0% of mass 174	1841	0.55	(0.73) [a]	Pass
174	50.0 - 100.0% of mass 95	250624	74.5		Pass
175	5.0 - 9.0% of mass 174	18223	5.42	(7.27) [a]	Pass
176	95.0 - 101.0% of mass 174	239403	71.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	15953	4.75	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2567-CC2566	O65364.D	09/24/21	14:20	00:22	Continuing cal 5
VO2567-BS	O65365.D	09/24/21	14:43	00:45	Blank Spike
VO2567-MB	O65367.D	09/24/21	15:29	01:31	Method Blank
ZZZZZZ	O65368.D	09/24/21	15:52	01:54	(unrelated sample)
FA89259-2	O65369.D	09/24/21	16:15	02:17	(used for QC only; not part of job FA89261)
ZZZZZZ	O65370.D	09/24/21	16:38	02:40	(unrelated sample)
ZZZZZZ	O65371.D	09/24/21	17:02	03:04	(unrelated sample)
ZZZZZZ	O65372.D	09/24/21	17:25	03:27	(unrelated sample)
ZZZZZZ	O65373.D	09/24/21	17:49	03:51	(unrelated sample)
ZZZZZZ	O65374.D	09/24/21	18:12	04:14	(unrelated sample)
ZZZZZZ	O65375.D	09/24/21	18:35	04:37	(unrelated sample)
ZZZZZZ	O65376.D	09/24/21	18:58	05:00	(unrelated sample)
ZZZZZZ	O65377.D	09/24/21	19:21	05:23	(unrelated sample)
FA89261-1	O65379.D	09/24/21	20:07	06:09	2138M0BW168F
ZZZZZZ	O65380.D	09/24/21	20:30	06:32	(unrelated sample)
VO2567-BS2	O65381.D	09/24/21	20:53	06:55	Blank Spike
FA89259-2MS	O65382.D	09/24/21	21:17	07:19	Matrix Spike
FA89259-2MSD	O65383.D	09/24/21	21:40	07:42	Matrix Spike Duplicate
VO2567-ECC2566	O65384.D	09/24/21	22:03	08:05	Ending cal 5

Internal Standard Area Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2567-CC2566	**Injection Date:**	09/24/21
Lab File ID:	O65364.D	**Injection Time:**	14:20
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	68420	10.78	50995	13.65
Check Std [b]	69579	10.78	53606	13.65
Upper Limit [c]	139158	10.95	107212	13.82
Lower Limit [d]	34790	10.61	26803	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2567-BS	71536	10.78	54522	13.65
VO2567-MB	62569	10.78	47623	13.65
ZZZZZZ	61223	10.78	46666	13.65
FA89259-2	57471	10.78	44462	13.65
ZZZZZZ	56751	10.78	43816	13.65
ZZZZZZ	56222	10.78	43804	13.65
ZZZZZZ	57890	10.78	44165	13.65
ZZZZZZ	55667	10.78	43013	13.65
ZZZZZZ	55270	10.78	42712	13.65
ZZZZZZ	56725	10.78	43433	13.65
ZZZZZZ	55916	10.78	42516	13.65
ZZZZZZ	56277	10.78	42773	13.65
FA89261-1	56963	10.78	43374	13.65
ZZZZZZ	55089	10.78	42396	13.65
VO2567-BS2	55904	10.78	43596	13.65
FA89259-2MS	58080	10.78	45270	13.65
FA89259-2MSD	58210	10.78	44974	13.65
VO2567-ECC256	58956	10.78	46148	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2566-ICC2566 O65343.D 09/22/21 17:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA89261-1	O65379.D	105	97
FA89259-2MS	O65382.D	98	95
FA89259-2MSD	O65383.D	99	96
VO2567-BS	O65365.D	96	100
VO2567-MB	O65367.D	101	99

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICC2566
Lab FileID: O65343.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

Calibration Files
1 =O65339.D 2 =O65340.D 3 =O65341.D 4 =O65342.D
5 =O65343.D 6 =O65344.D 7 =O65345.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.552	0.378	0.291	0.332	0.325	0.339	0.353	0.367	23.36
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
	Response Ratio = 0.00000 + 0.30501 *A + 0.01181 *A^2									
3)	Chloromethane	0.806	0.496	0.337	0.374	0.350	0.355	0.359	0.439	38.71
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
	Response Ratio = 0.00000 + 0.35181 *A + 0.00158 *A^2									
4)	1,1-Dichloroethen	0.572	0.663	0.637	0.716	0.694	0.751	0.804	0.691	11.04
5)	Methylene Chlorid	5.215	3.787	1.047	0.851	0.901	0.811	0.835	1.921	94.30
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9926									
	Response Ratio = 0.00000 + 0.91651 *A + -0.02324 *A^2									
6)	trans-1,2-Dichlor	0.572	0.663	0.637	0.716	0.694	0.751	0.804	0.691	11.04
7)	1,1-Dichloroethan	0.685	0.785	0.721	0.824	0.806	0.870	0.887	0.797	9.28
8)	cis-1,2-Dichloroe	0.324	0.326	0.309	0.349	0.337	0.365	0.392	0.343	8.26
9)	Chloroform	0.753	0.772	0.710	0.794	0.775	0.829	0.838	0.782	5.66
10)	Carbon Tetrachlor	0.400	0.446	0.438	0.477	0.483	0.521	0.561	0.475	11.34
11)	1,1,1-Trichloroet	0.505	0.580	0.557	0.620	0.617	0.658	0.696	0.605	10.55
12)	Benzene	1.207	1.421	1.294	1.471	1.461	1.555	1.605	1.431	9.76
13)S	1,2-Dichloroethan	0.429	0.427	0.418	0.424	0.419	0.425	0.428	0.424	1.02
14)	1,2-Dichloroethan	0.614	0.739	0.672	0.768	0.759	0.805	0.804	0.737	9.57
15)	Trichloroethene	0.341	0.409	0.386	0.451	0.433	0.468	0.488	0.425	11.93
16)	1,2-Dichloropropa	0.371	0.446	0.411	0.462	0.464	0.485	0.494	0.448	9.73
17)	cis-1,3-Dichlorop	0.289	0.399	0.388	0.520	0.531	0.586	0.604	0.474	24.71
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
	Response Ratio = 0.00000 + 0.47444 *A + 0.03338 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.151	1.188	1.168	1.148	1.136	1.128	1.131	1.150	1.88
20)	trans-1,3-Dichlor	0.400	0.562	0.543	0.715	0.712	0.794	0.810	0.648	23.27
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991									
	Response Ratio = 0.00000 + 0.65063 *A + 0.04139 *A^2									
21)	Tetrachloroethene	0.429	0.514	0.474	0.515	0.499	0.521	0.551	0.500	7.80

(#) = Out of Range

SIMCL-09-22-2021.M Thu Sep 23 13:12:22 2021

Initial Calibration Verification

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICV2566
Lab FileID: O65347.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-22\O65347.D Vial: 11
Acq On : 22 Sep 2021 7:06 pm Operator: charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	13.429	-34.3#	134	0.00	3.49
3		Chloromethane	10.000	14.288	-42.9#	141	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.719	-4.1	100	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	8.866	11.3	83	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.719	-4.1	100	0.00	5.45
7		1,1-Dichloroethane	0.797	0.869	-9.0	104	0.00	7.95
8		cis-1,2-Dichloroethene	0.343	0.351	-2.3	101	0.00	5.45
9		Chloroform	0.782	0.796	-1.8	99	0.00	9.45
10		Carbon Tetrachloride	0.475	0.499	-5.1	100	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.631	-4.3	99	0.00	9.75
12		Benzene	1.431	1.504	-5.1	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.419	1.2	97	0.00	10.44
14		1,2-Dichloroethane	0.737	0.773	-4.9	99	0.00	10.52
15		Trichloroethene	0.425	0.451	-6.1	101	0.00	10.97
16		1,2-Dichloropropane	0.448	0.478	-6.7	99	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	10.065	-0.6	99	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	13.65
19	S	Toluene-d8	1.150	1.137	1.1	96	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.070	-0.7	99	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.518	-3.6	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICV2566
Lab FileID: O65347.D

O65343.D SIMCL-09-22-2021.M Thu Sep 23 13:12:15 2021

Continuing Calibration Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-CC2566
Lab FileID: O65364.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-24\O65364.D Vial: 3
Acq On : 24 Sep 2021 2:20 pm Operator: charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	10.049	-0.5	103	0.00	3.50
3		Chloromethane	10.000	9.826	1.7	101	0.03	3.36
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.721	-4.3	106	0.00	5.46
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.978	-19.8	116	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.721	-4.3	106	0.00	5.46
7		1,1-Dichloroethane	0.797	0.858	-7.7	108	0.00	7.96
8		cis-1,2-Dichloroethene	0.343	0.352	-2.6	106	0.00	5.46
9		Chloroform	0.782	0.820	-4.9	108	0.00	9.46
10		Carbon Tetrachloride	0.475	0.486	-2.3	102	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.619	-2.3	102	0.00	9.76
12		Benzene	1.431	1.551	-8.4	108	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.408	3.8	99	0.00	10.44
14		1,2-Dichloroethane	0.737	0.786	-6.6	105	0.00	10.53
15		Trichloroethene	0.425	0.495	-16.5	116	0.00	10.97
16		1,2-Dichloropropane	0.448	0.496	-10.7	109	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	11.318	-13.2	119	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	13.65
19	S	Toluene-d8	1.150	1.122	2.4	104	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.906	-9.1	119	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.560	-12.0	118	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-CC2566
Lab FileID: O65364.D

O65343.D SIMCL-09-22-2021.M Fri Sep 24 15:06:36 2021

Continuing Calibration Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VO2567-ECC2566
Lab FileID: O65384.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-24\O65384.D Vial: 23
Acq On : 24 Sep 2021 10:03 pm Operator: charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	86	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	11.608	-16.1	102	0.00	3.49
3		Chloromethane	10.000	10.460	-4.6	92	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.834	-20.7	104	0.00	5.46
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	13.095	-31.0	107	0.01	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.834	-20.7	104	0.00	5.46
7		1,1-Dichloroethane	0.797	0.935	-17.3	100	0.00	7.96
8		cis-1,2-Dichloroethene	0.343	0.403	-17.5	103	0.00	5.46
9		Chloroform	0.782	0.887	-13.4	99	0.00	9.46
10		Carbon Tetrachloride	0.475	0.530	-11.6	95	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.679	-12.2	95	0.00	9.76
12		Benzene	1.431	1.667	-16.5	98	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.421	0.7	87	0.00	10.44
14		1,2-Dichloroethane	0.737	0.852	-15.6	97	0.00	10.53
15		Trichloroethene	0.425	0.547	-28.7	109	0.00	10.97
16		1,2-Dichloropropane	0.448	0.536	-19.6	99	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	11.405	-14.0	102	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00	13.65
19	S	Toluene-d8	1.150	1.081	6.0	86	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.835	-8.4	102	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.586	-17.2	106	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-ECC2566
Lab FileID: O65384.D

O65343.D SIMCL-09-22-2021.M Mon Sep 27 09:02:22 2021

Run Sequence Report

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2566 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2566-BFB	O65338.D	09/22/21 15:37	n/a	BFB Tune
VO2566-IC2566	O65339.D	09/22/21 16:00	n/a	Initial cal 1
VO2566-IC2566	O65340.D	09/22/21 16:23	n/a	Initial cal 2
VO2566-IC2566	O65341.D	09/22/21 16:46	n/a	Initial cal 3
VO2566-IC2566	O65342.D	09/22/21 17:09	n/a	Initial cal 4
VO2566-ICC2566	O65343.D	09/22/21 17:32	n/a	Initial cal 5
VO2566-IC2566	O65344.D	09/22/21 17:56	n/a	Initial cal 6
VO2566-IC2566	O65345.D	09/22/21 18:19	n/a	Initial cal 7
VO2566-ICV2566	O65347.D	09/22/21 19:06	n/a	Initial cal verification 5
VO2566-BS	O65348.D	09/22/21 19:28	n/a	Blank Spike
VO2566-MB	O65350.D	09/22/21 20:14	n/a	Method Blank
ZZZZZZ	O65351.D	09/22/21 20:37	n/a	(unrelated sample)
FA88845-9	O65352.D	09/22/21 20:59	n/a	(used for QC only; not part of job FA89261)
FA88845-9MS	O65353.D	09/22/21 21:22	n/a	Matrix Spike
FA88845-9MSD	O65354.D	09/22/21 21:45	n/a	Matrix Spike Duplicate
VO2566-ECC2566	O65355.D	09/22/21 22:09	n/a	Ending cal 5

Run Sequence Report

Job Number: FA89261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2567 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2567-BFB	O65363.D	09/24/21 13:58	n/a	BFB Tune
VO2567-CC2566	O65364.D	09/24/21 14:20	n/a	Continuing cal 5
VO2567-BS	O65365.D	09/24/21 14:43	n/a	Blank Spike
VO2567-MB	O65367.D	09/24/21 15:29	n/a	Method Blank
ZZZZZZ	O65368.D	09/24/21 15:52	n/a	(unrelated sample)
FA89259-2	O65369.D	09/24/21 16:15	n/a	(used for QC only; not part of job FA89261)
ZZZZZZ	O65370.D	09/24/21 16:38	n/a	(unrelated sample)
ZZZZZZ	O65371.D	09/24/21 17:02	n/a	(unrelated sample)
ZZZZZZ	O65372.D	09/24/21 17:25	n/a	(unrelated sample)
ZZZZZZ	O65373.D	09/24/21 17:49	n/a	(unrelated sample)
ZZZZZZ	O65374.D	09/24/21 18:12	n/a	(unrelated sample)
ZZZZZZ	O65375.D	09/24/21 18:35	n/a	(unrelated sample)
ZZZZZZ	O65376.D	09/24/21 18:58	n/a	(unrelated sample)
ZZZZZZ	O65377.D	09/24/21 19:21	n/a	(unrelated sample)
FA89261-1	O65379.D	09/24/21 20:07	n/a	2138M0BW168F
ZZZZZZ	O65380.D	09/24/21 20:30	n/a	(unrelated sample)
VO2567-BS2	O65381.D	09/24/21 20:53	n/a	Blank Spike
FA89259-2MS	O65382.D	09/24/21 21:17	n/a	Matrix Spike
FA89259-2MSD	O65383.D	09/24/21 21:40	n/a	Matrix Spike Duplicate
VO2567-ECC2566	O65384.D	09/24/21 22:03	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65379.D
Acq On : 24 Sep 2021 8:07 pm
Operator : charleng
Sample : fa89261-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 27 08:54:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

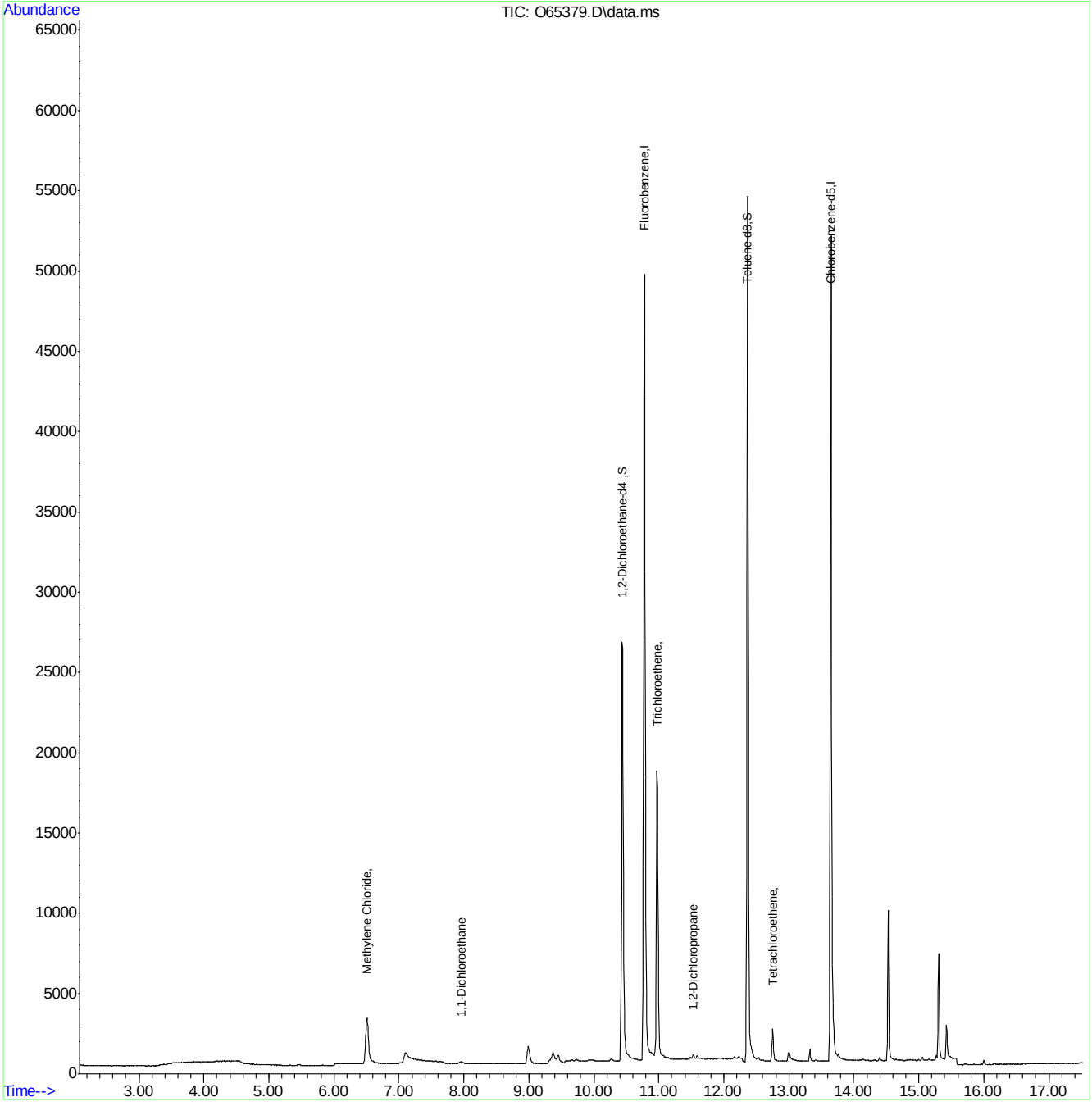
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	56963	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	43374	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	25290	5.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%			
19) Toluene-d8	12.367	98	48274	4.84	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.80%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3680	0.35	ug/L	89
7) 1,1-Dichloroethane	7.956	63	236	0.03	ug/L	99
15) Trichloroethene	10.974	95	8574	1.77	ug/L	96
16) 1,2-Dichloropropane	11.531	63	134	0.03	ug/L	94
21) Tetrachloroethene	12.758	166	829	0.19	ug/L	94

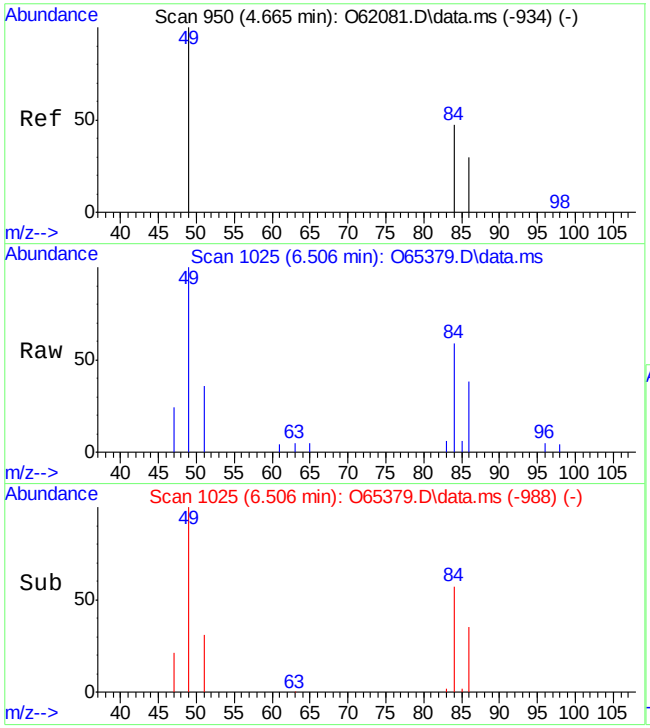
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65379.D
Acq On : 24 Sep 2021 8:07 pm
Operator : charleng
Sample : fa89261-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 27 08:54:34 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

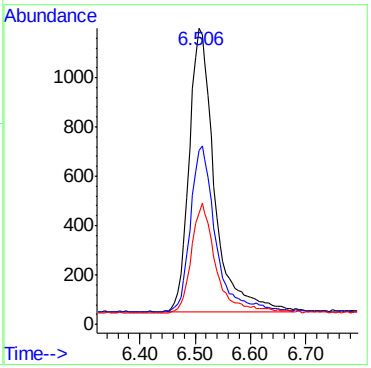


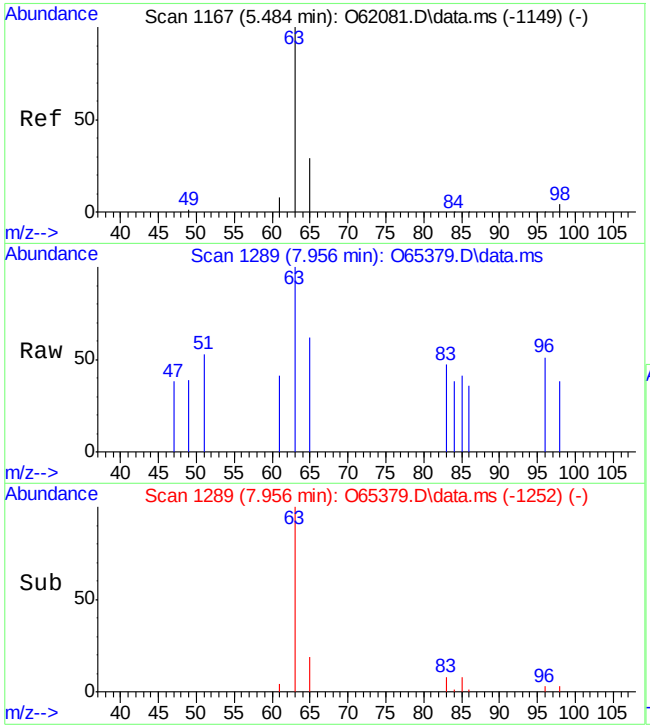


#5
Methylene Chloride
Concen: 0.35 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65379.D
Acq: 24 Sep 2021 8:07 pm

Tgt Ion: 49 Resp: 3680

Ion	Ratio	Lower	Upper
49	100		
84	56.7	35.5	95.5
86	35.1	12.8	72.8

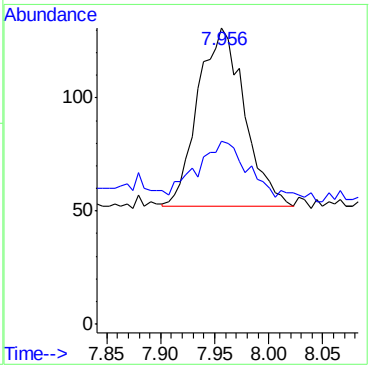


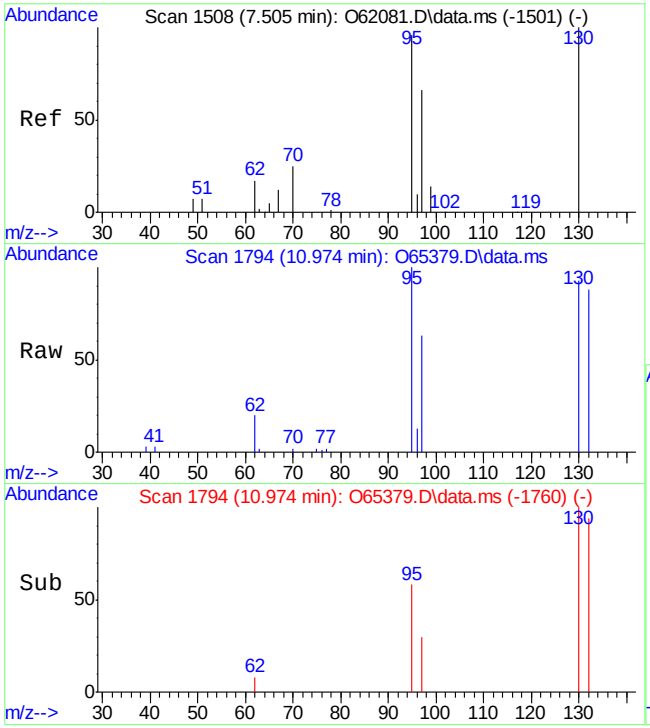


#7
1,1-Dichloroethane
Concen: 0.03 ug/L
RT: 7.956 min Scan# 1289
Delta R.T. 0.005 min
Lab File: O65379.D
Acq: 24 Sep 2021 8:07 pm

Tgt Ion: 63 Resp: 236

Ion	Ratio	Lower	Upper
63	100		
65	29.1	0.0	59.6

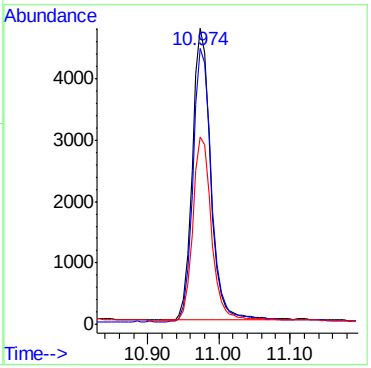


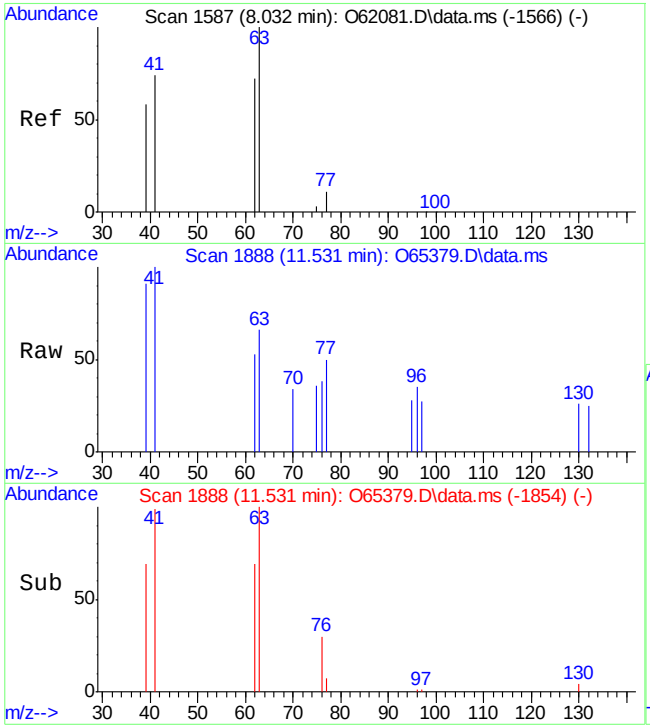


#15
Trichloroethene
Concen: 1.77 ug/L
RT: 10.974 min Scan# 1794
Delta R.T. -0.000 min
Lab File: O65379.D
Acq: 24 Sep 2021 8:07 pm

Tgt Ion: 95 Resp: 8574

Ion	Ratio	Lower	Upper
95	100		
130	93.6	69.9	129.9
97	62.8	34.0	94.0

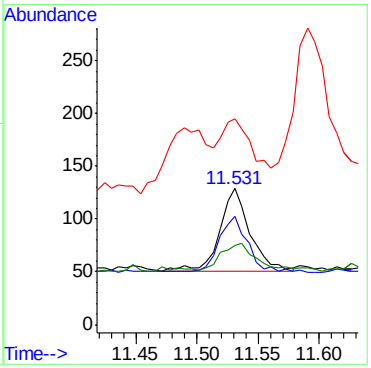


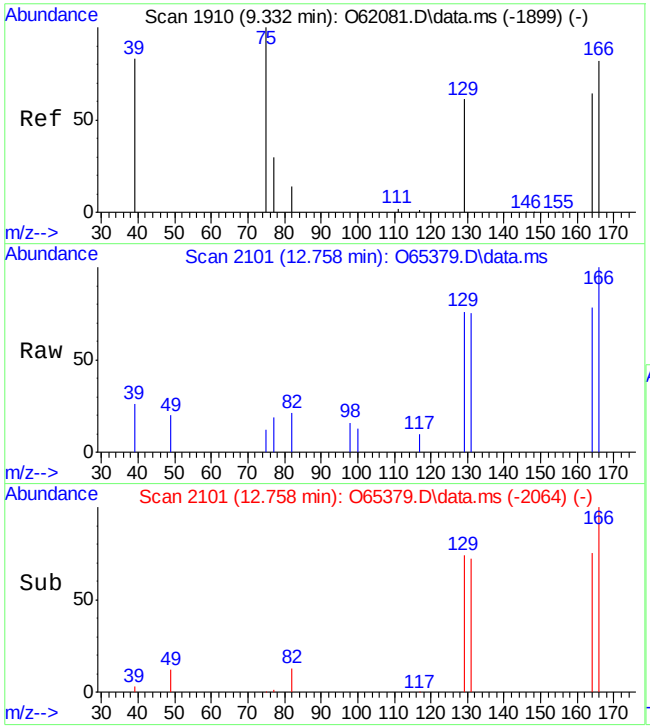


#16
1,2-Dichloropropane
Concen: 0.03 ug/L
RT: 11.531 min Scan# 1888
Delta R.T. 0.000 min
Lab File: O65379.D
Acq: 24 Sep 2021 8:07 pm

Tgt Ion: 63 Resp: 134

Ion	Ratio	Lower	Upper
63	100		
62	67.9	40.7	100.7
41	57.7	18.9	78.9
76	28.2	0.0	57.4

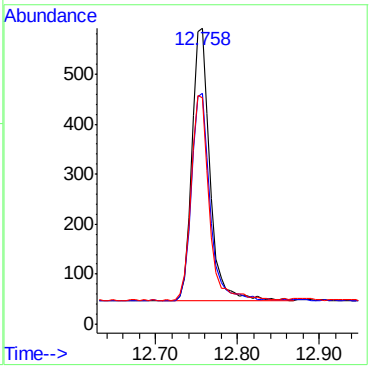




#21
Tetrachloroethene
Concen: 0.19 ug/L
RT: 12.758 min Scan# 2101
Delta R.T. 0.006 min
Lab File: O65379.D
Acq: 24 Sep 2021 8:07 pm

Tgt Ion:166 Resp: 829

Ion	Ratio	Lower	Upper
166	100		
164	76.0	48.0	108.0
129	74.1	36.6	96.6



7.1.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65367.D
Acq On : 24 Sep 2021 3:29 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 08:49:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

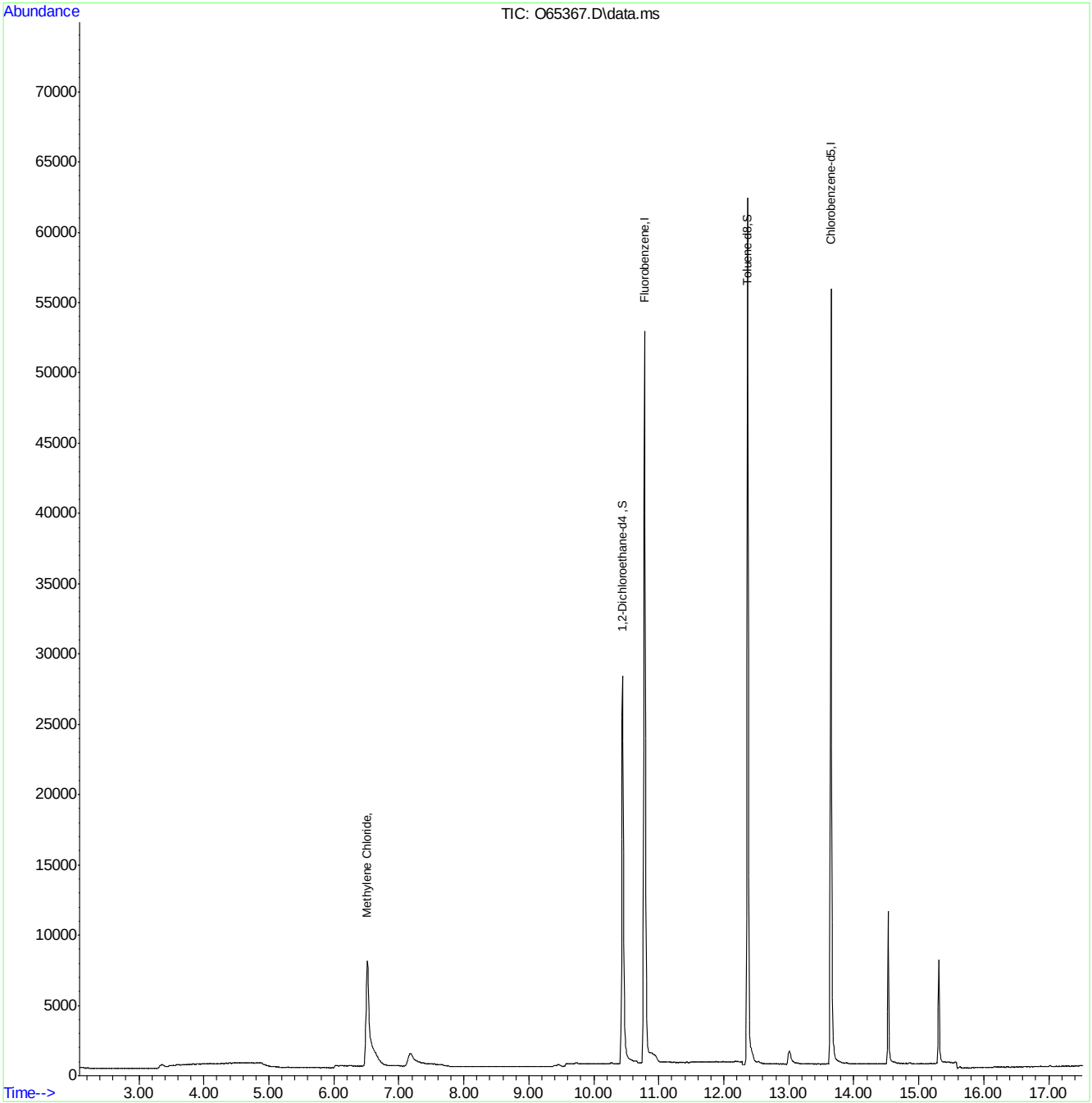
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.784	96	62569	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47623	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	26719	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	12.367	98	54021	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	12098	1.06	ug/L	90

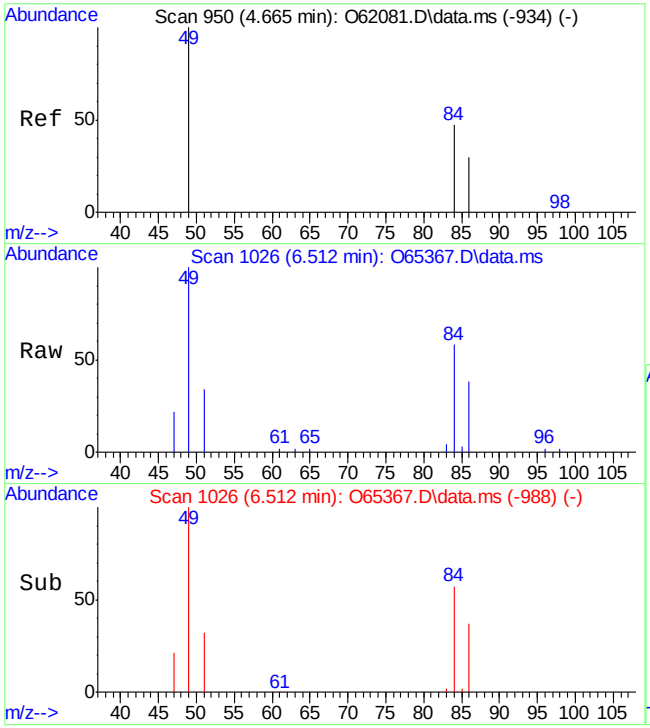
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65367.D
Acq On : 24 Sep 2021 3:29 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 08:49:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

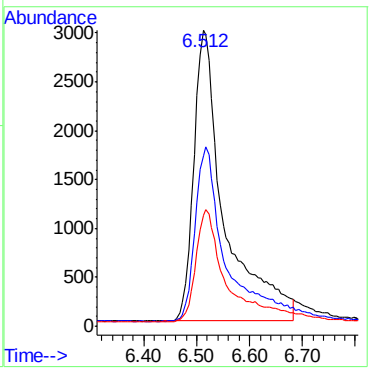




#5
Methylene Chloride
Concen: 1.06 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.011 min
Lab File: O65367.D
Acq: 24 Sep 2021 3:29 pm

Tgt Ion: 49 Resp: 12098

Ion	Ratio	Lower	Upper
49	100		
84	56.8	35.5	95.5
86	36.8	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65365.D
Acq On : 24 Sep 2021 2:43 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 09:17:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

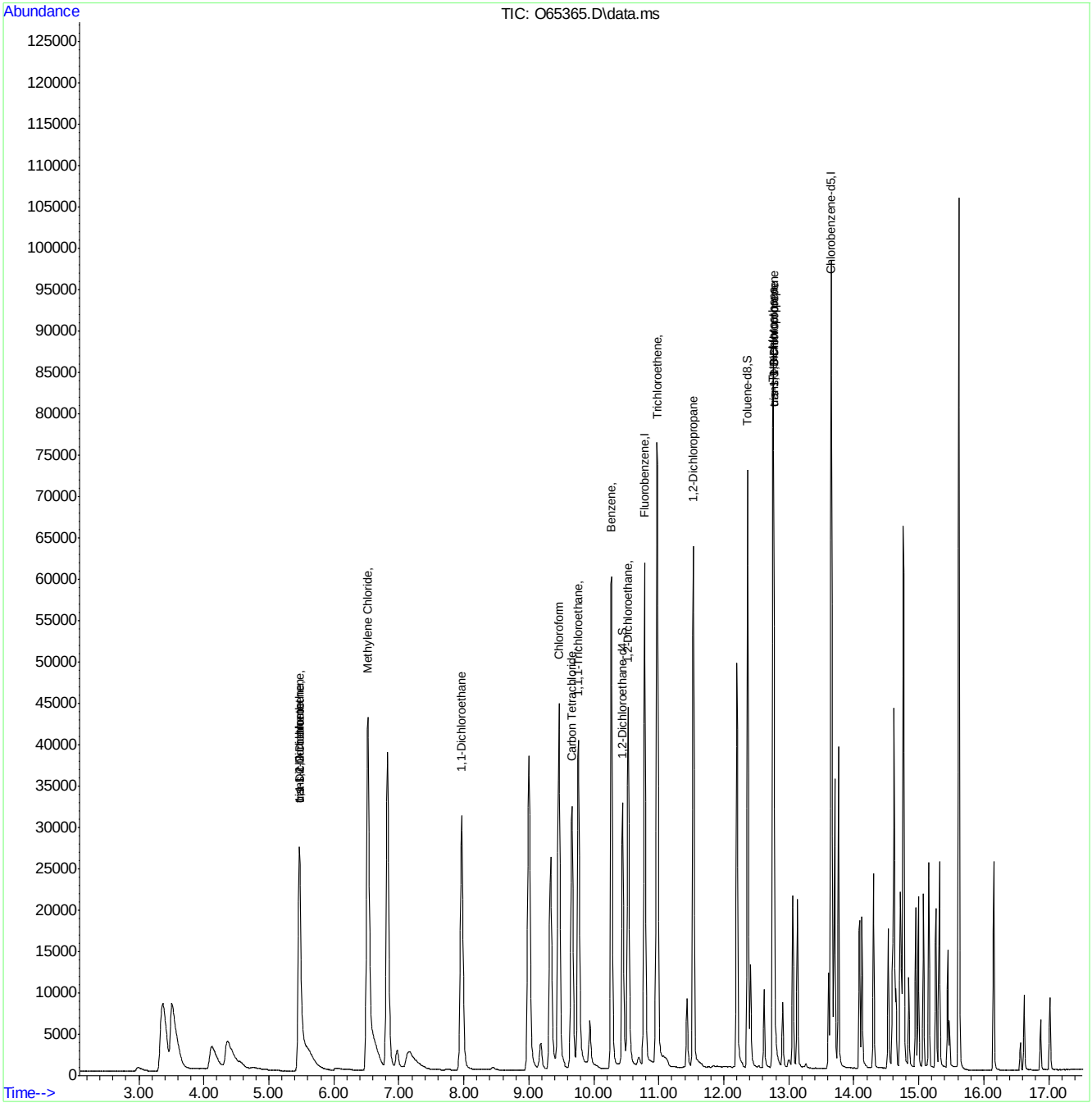
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.784	96	71536	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	54522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	29150	4.80	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 96.00%			
19) Toluene-d8	12.367	98	62817	5.01	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.20%			
Target Compounds						Qvalue
4) 1,1-Dichloroethene	5.469	61	44791	4.53	ug/L	82
5) Methylene Chloride	6.523	49	58282	4.55	ug/L	94
6) trans-1,2-Dichloroethene	5.469	61	44791	4.53	ug/L	78
7) 1,1-Dichloroethane	7.967	63	55827	4.90	ug/L	99
8) cis-1,2-Dichloroethene	5.469	96	21759	4.43	ug/L	90
9) Chloroform	9.461	83	50519	4.52	ug/L	97
10) Carbon Tetrachloride	9.663	117	29602	4.36	ug/L	98
11) 1,1,1-Trichloroethane	9.765	97	38225	4.42	ug/L	96
12) Benzene	10.274	78	96452	4.71	ug/L	99
14) 1,2-Dichloroethane	10.525	62	47309	4.49	ug/L	90
15) Trichloroethene	10.980	95	31543	5.18	ug/L	96
16) 1,2-Dichloropropane	11.531	63	30918	4.83	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	37000	5.09	ug/L	96
20) trans-1,3-Dichloropropene	12.769	75	36949	4.90	ug/L	95
21) Tetrachloroethene	12.752	166	27178	4.98	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65365.D
Acq On : 24 Sep 2021 2:43 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 09:17:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65382.D
Acq On : 24 Sep 2021 9:17 pm
Operator : charleng
Sample : fa89259-2ms Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 27 08:49:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

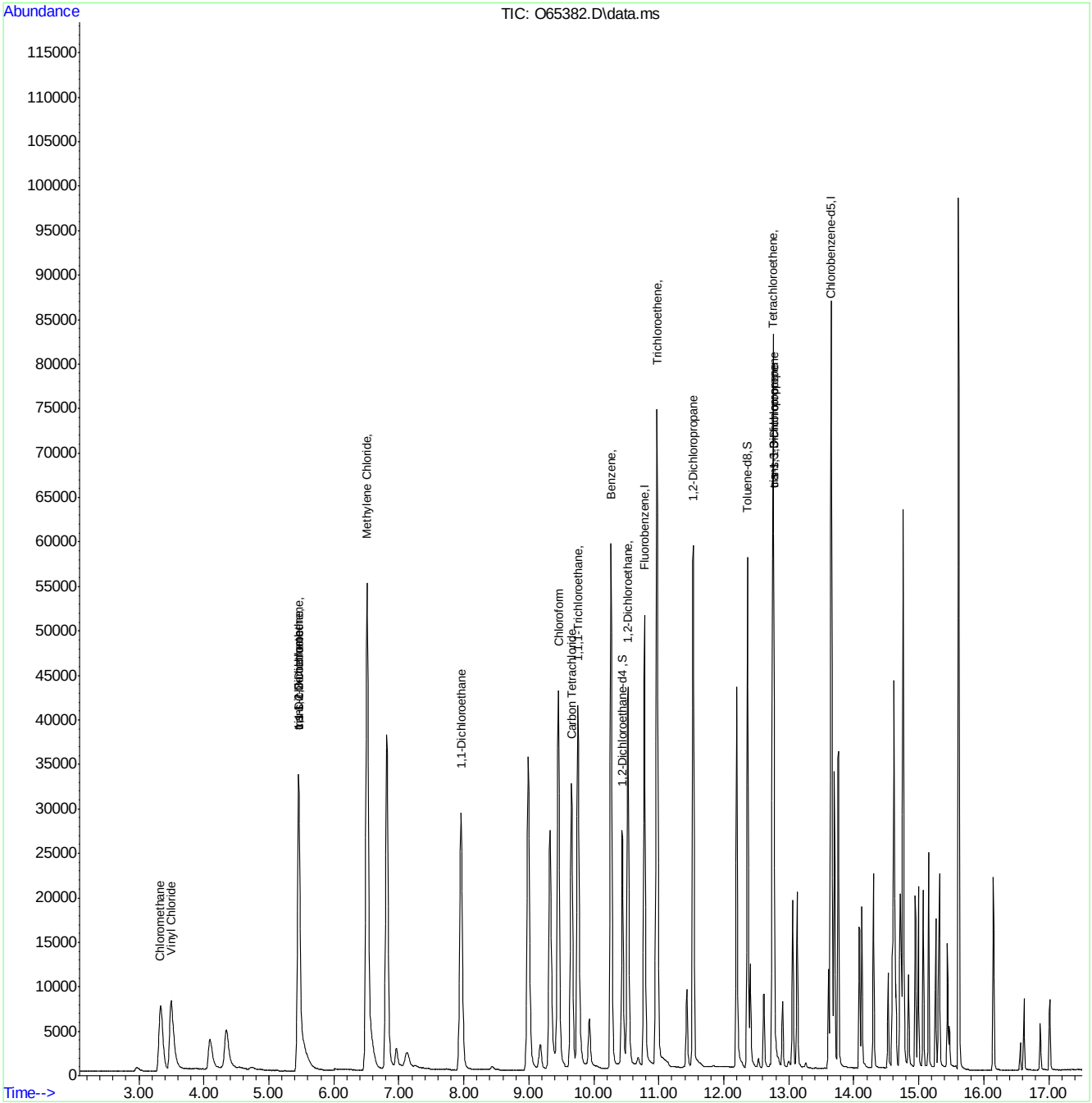
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58080	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	45270	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24268	4.92	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.40%			
19) Toluene-d8	12.367	98	49560	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	23358	6.29	ug/L	99
3) Chloromethane	3.330	50	22500	5.48	ug/L	97
4) 1,1-Dichloroethene	5.456	61	46828	5.83	ug/L	81
5) Methylene Chloride	6.512	49	66812	6.49	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	46828	5.83	ug/L	78
7) 1,1-Dichloroethane	7.956	63	51384	5.55	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	22589	5.67	ug/L	91
9) Chloroform	9.456	83	48705	5.36	ug/L	96
10) Carbon Tetrachloride	9.657	117	29188	5.29	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	38612	5.50	ug/L	95
12) Benzene	10.267	78	91468	5.50	ug/L	99
14) 1,2-Dichloroethane	10.525	62	45879	5.36	ug/L	90
15) Trichloroethene	10.974	95	30220	6.12	ug/L	95
16) 1,2-Dichloropropane	11.531	63	29248	5.62	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	30995	5.24	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	30995	4.95	ug/L	95
21) Tetrachloroethene	12.752	166	25968	5.73	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65382.D
Acq On : 24 Sep 2021 9:17 pm
Operator : charleng
Sample : fa89259-2ms Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 27 08:49:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65383.D
Acq On : 24 Sep 2021 9:40 pm
Operator : charleng
Sample : fa89259-2msd Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 27 08:49:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

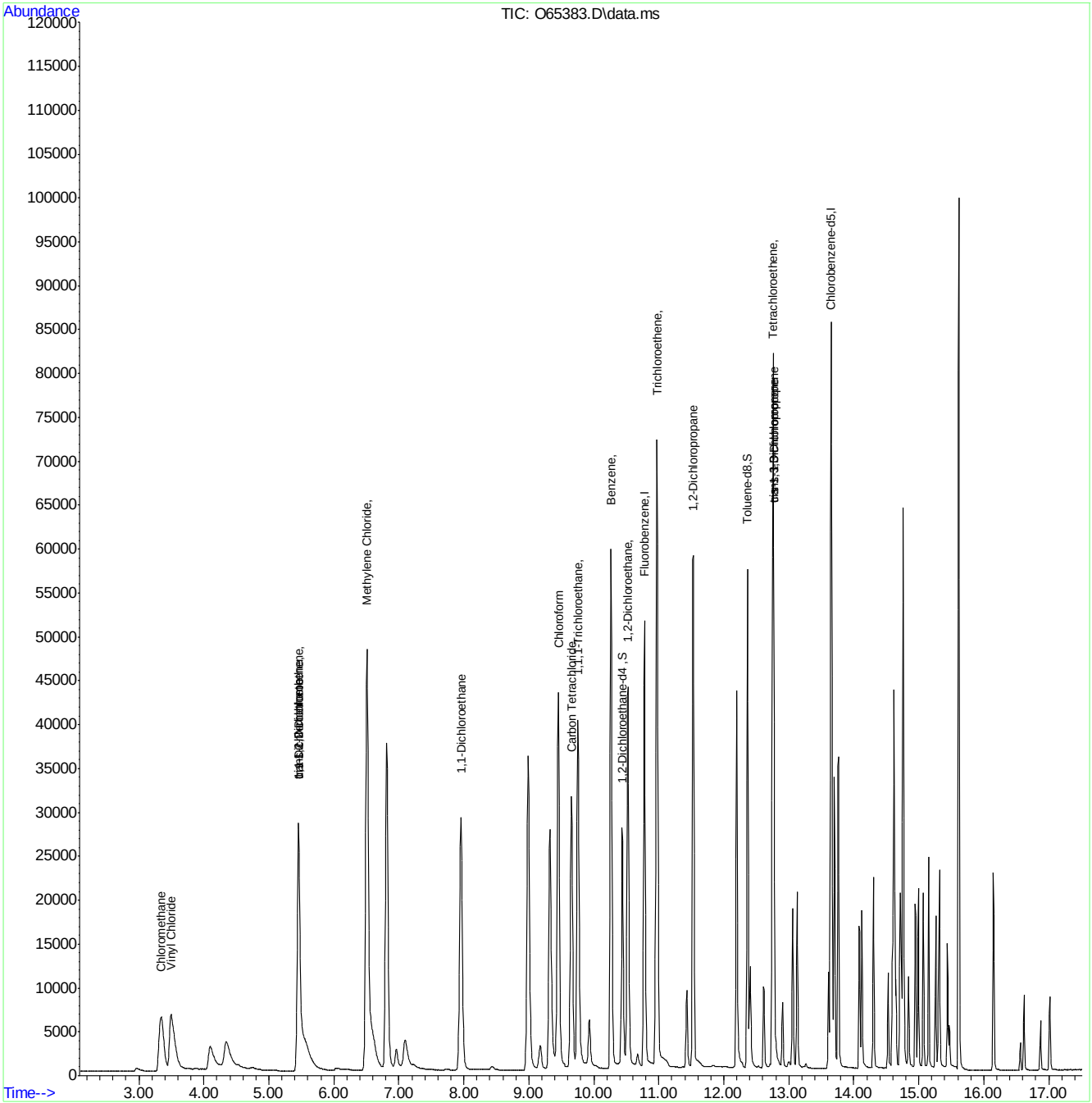
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58210	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	44974	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24373	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	49519	4.79	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	23564	6.33	ug/L	98
3) Chloromethane	3.343	50	23246	5.65	ug/L	97
4) 1,1-Dichloroethene	5.456	61	45497	5.65	ug/L	82
5) Methylene Chloride	6.506	49	64734	6.27	ug/L	90
6) trans-1,2-Dichloroethene	5.456	61	45497	5.65	ug/L	78
7) 1,1-Dichloroethane	7.956	63	51620	5.56	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	21926	5.49	ug/L	91
9) Chloroform	9.456	83	48703	5.35	ug/L	97
10) Carbon Tetrachloride	9.656	117	28296	5.12	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	37454	5.32	ug/L	95
12) Benzene	10.267	78	91642	5.50	ug/L	99
14) 1,2-Dichloroethane	10.525	62	45605	5.31	ug/L	90
15) Trichloroethene	10.974	95	28801	5.82	ug/L	96
16) 1,2-Dichloropropane	11.531	63	29289	5.62	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	30493	5.15	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	30493	4.90	ug/L	94
21) Tetrachloroethene	12.752	166	25840	5.74	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65383.D
Acq On : 24 Sep 2021 9:40 pm
Operator : charleng
Sample : fa89259-2msd Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 27 08:49:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

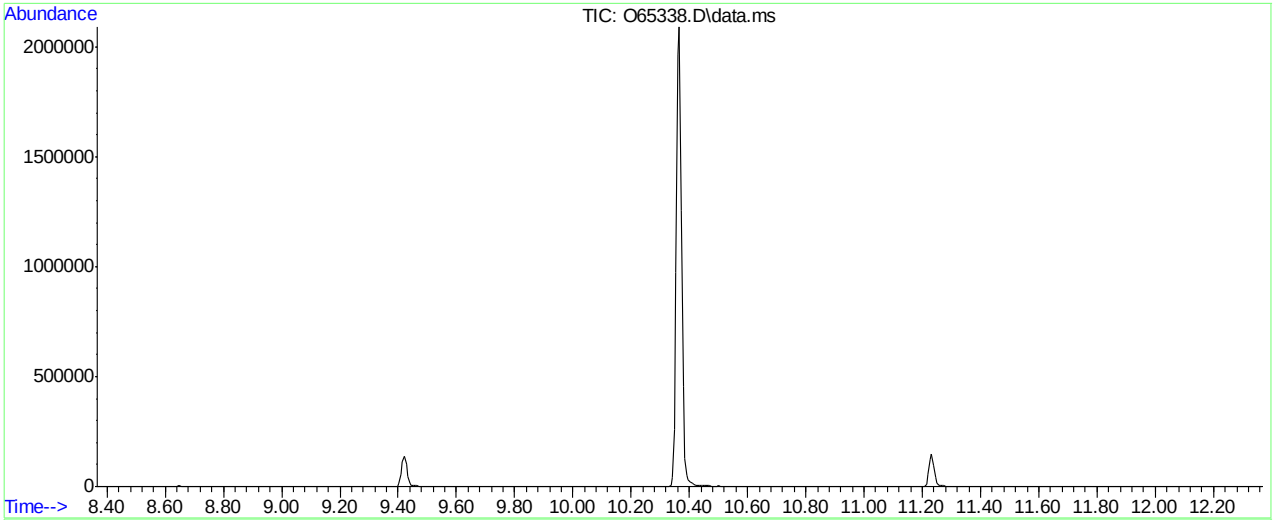


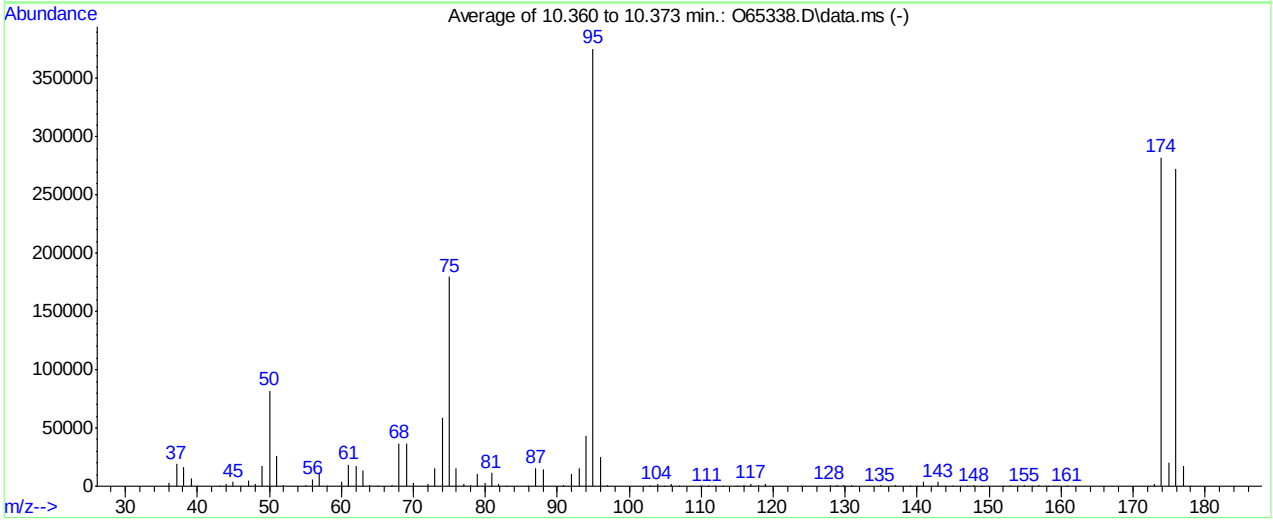
SIMCL-09-22-2021.M Mon Sep 27 09:09:17 2021 Page: 2

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-22\O65338.D Vial: 2
Acq On : 22 Sep 2021 3:37 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49750,VO2566,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

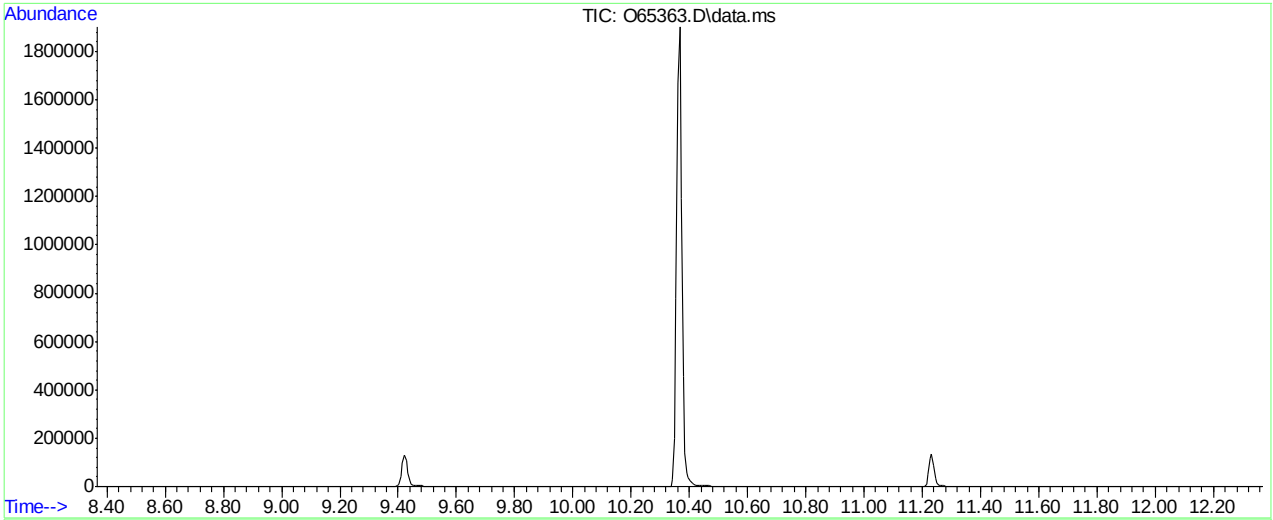
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	81917	PASS
75	95	30	60	47.9	179899	PASS
95	95	100	100	100.0	375851	PASS
96	95	5	9	6.6	24796	PASS
173	174	0.00	2	0.7	2117	PASS
174	95	50	100	75.1	282389	PASS
175	174	5	9	7.2	20370	PASS
176	174	95	101	96.3	272021	PASS
177	176	5	9	6.4	17413	PASS

O65338.D SIMCL-09-13-2021.M Thu Sep 23 12:26:51 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-24\O65363.D Vial: 2
Acq On : 24 Sep 2021 1:58 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49750,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	75195	PASS
75	95	30	60	48.3	162293	PASS
95	95	100	100	100.0	336192	PASS
96	95	5	9	6.8	23016	PASS
173	174	0.00	2	0.7	1841	PASS
174	95	50	100	74.5	250624	PASS
175	174	5	9	7.3	18223	PASS
176	174	95	101	95.5	239403	PASS
177	176	5	9	6.7	15953	PASS

O65363.D SIMCL-09-22-2021.M Fri Sep 24 15:07:03 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/23/21 14:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:03:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

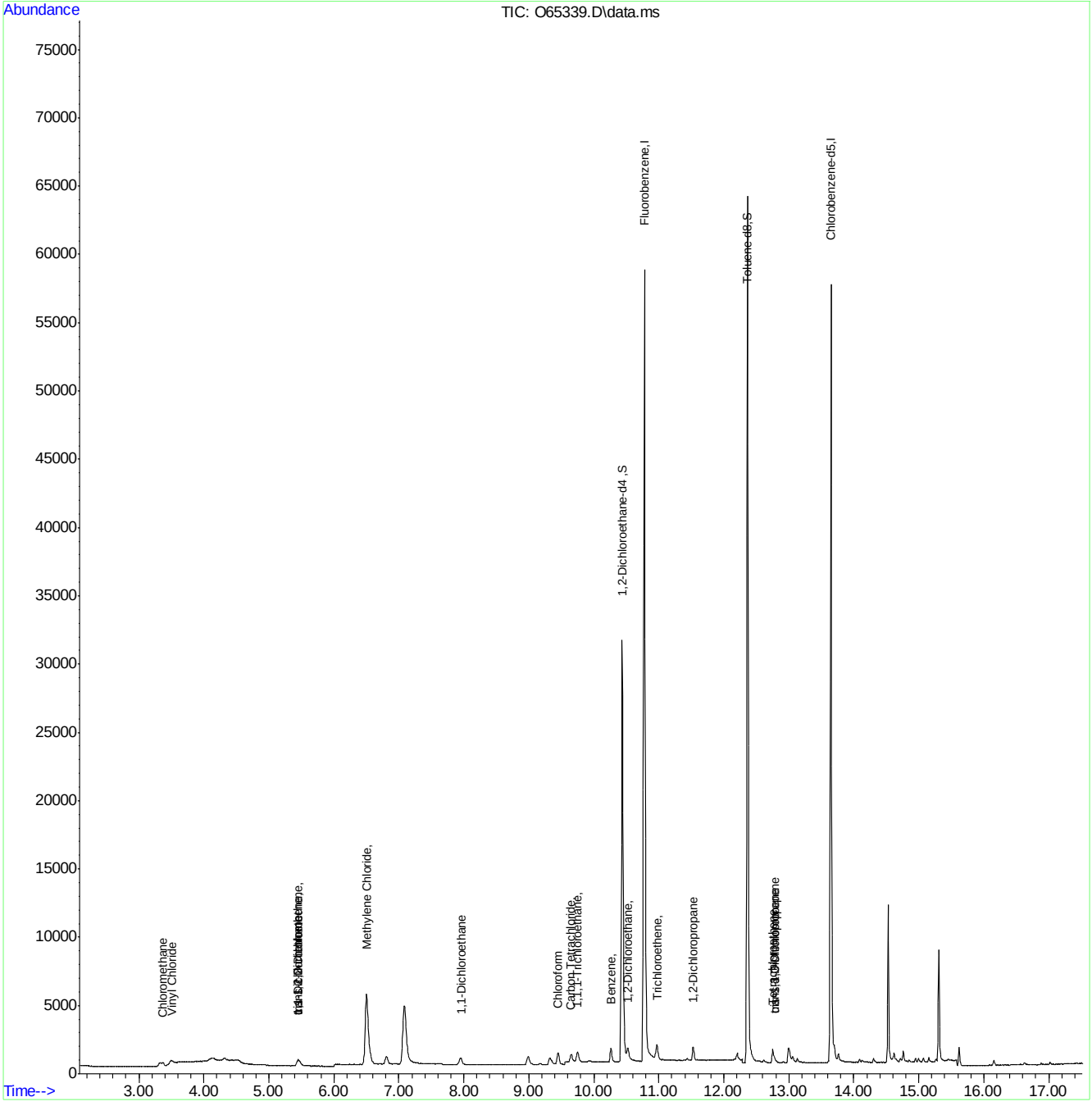
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	10.778	96	67341	5.00	ug/L		0.00
18) Chlorobenzene-d5	13.649	117	48673	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	10.437	65	28870	5.06	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.20%				
19) Toluene-d8	12.367	98	56013	4.93	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.503	62	744	0.07	ug/L		91
3) Chloromethane	3.364	50	1085m	0.06	ug/L		
4) 1,1-Dichloroethene	5.452	61	771	0.05	ug/L		83
5) Methylene Chloride	6.501	49	7023	0.27	ug/L		92
6) trans-1,2-Dichloroethene	5.452	61	771	0.05	ug/L		79
7) 1,1-Dichloroethane	7.956	63	922	0.06	ug/L		97
8) cis-1,2-Dichloroethene	5.448	96	436	0.06	ug/L	#	70
9) Chloroform	9.450	83	1014m	0.07	ug/L		
10) Carbon Tetrachloride	9.650	117	539m	0.06	ug/L		
11) 1,1,1-Trichloroethane	9.752	97	680	0.06	ug/L		93
12) Benzene	10.267	78	1626	0.06	ug/L		98
14) 1,2-Dichloroethane	10.518	62	827	0.06	ug/L		88
15) Trichloroethene	10.974	95	459	0.05	ug/L		99
16) 1,2-Dichloropropane	11.531	63	499	0.06	ug/L		89
17) cis-1,3-Dichloropropene	12.780	75	389	0.04	ug/L		95
20) trans-1,3-Dichloropropene	12.780	75	389	0.04	ug/L		92
21) Tetrachloroethene	12.752	166	418	0.05	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:03:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VO2566-IC2566
Lab FileID: O65339.D
Injection Time: 09/22/21 16:00

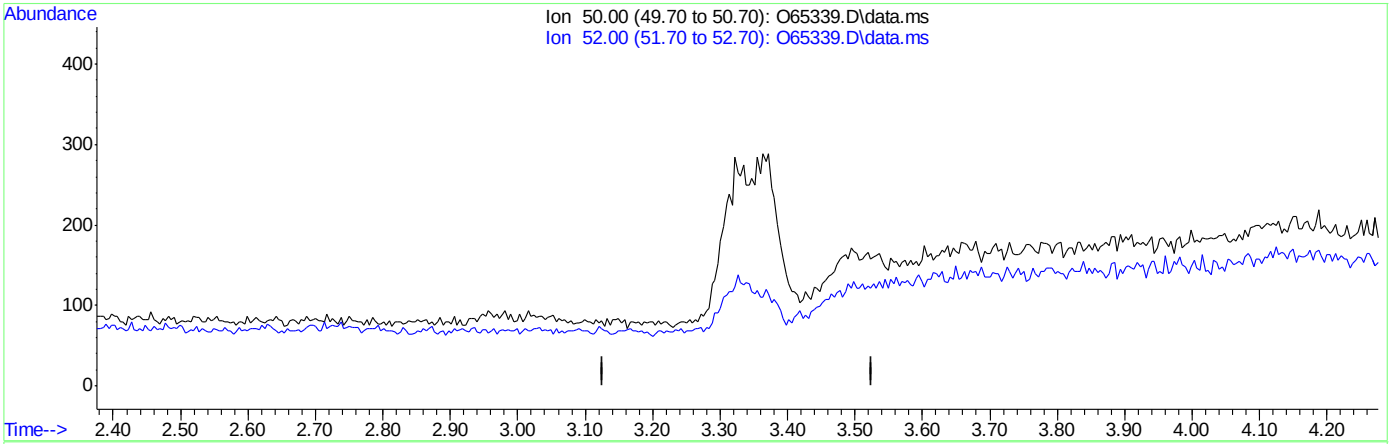
Method: SW846 8260B BY SIM
Analyst approved: 09/23/21 13:24 Charlene Gonzalez
Supervisor approved: 09/23/21 14:04 Sean Pioro

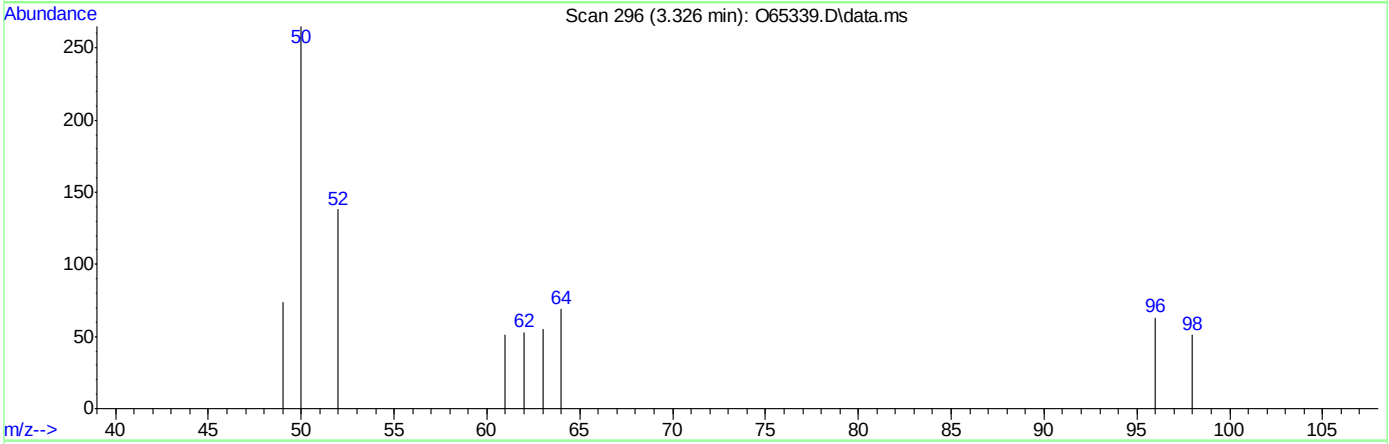
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.36	Missed peak
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.65	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(3) Chloromethane

3.326min (-3.326) 0.00ug/L

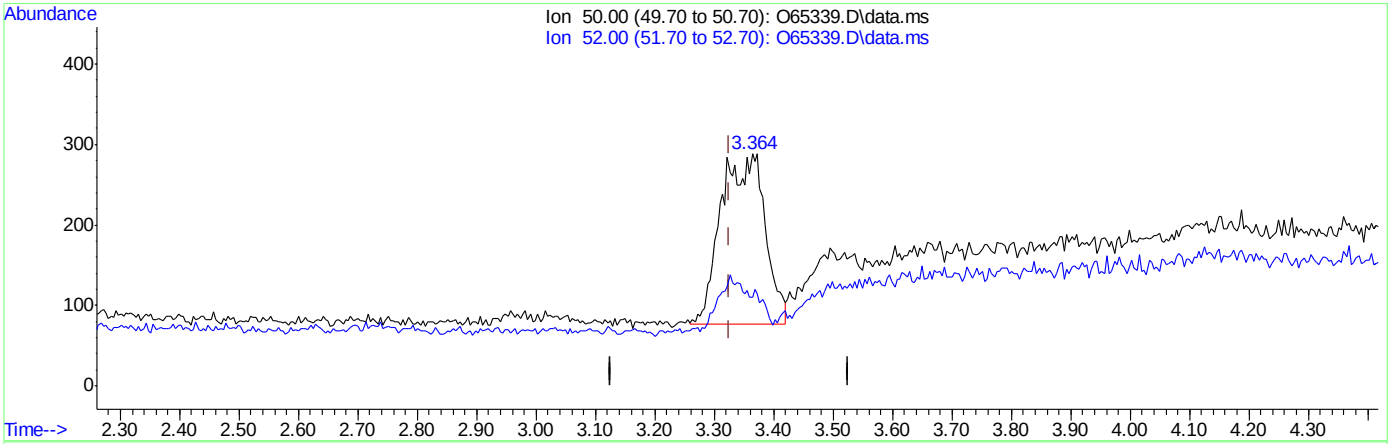
response 0

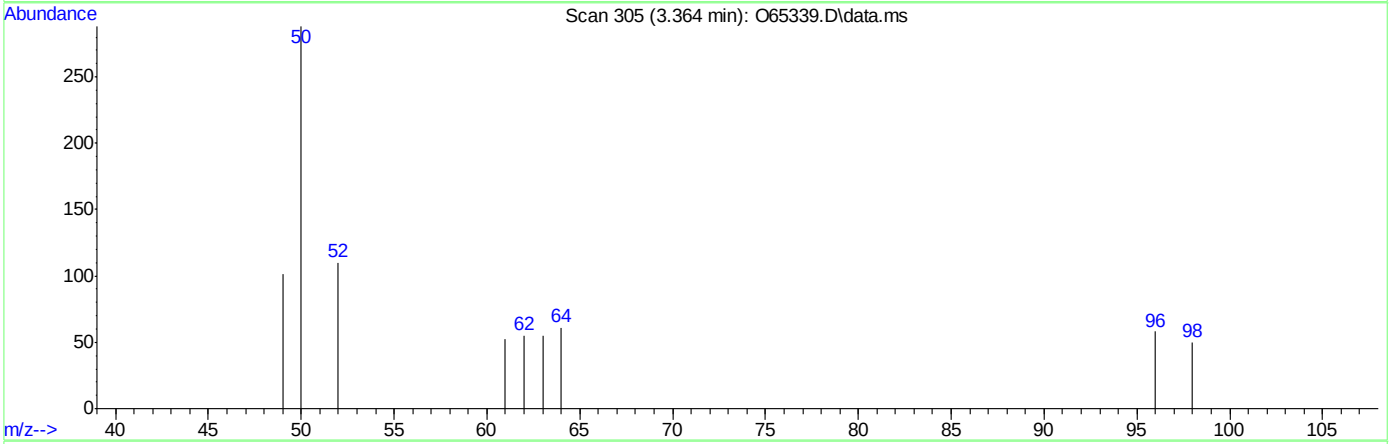
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(3) Chloromethane

3.364min (+0.038) 0.06ug/L m

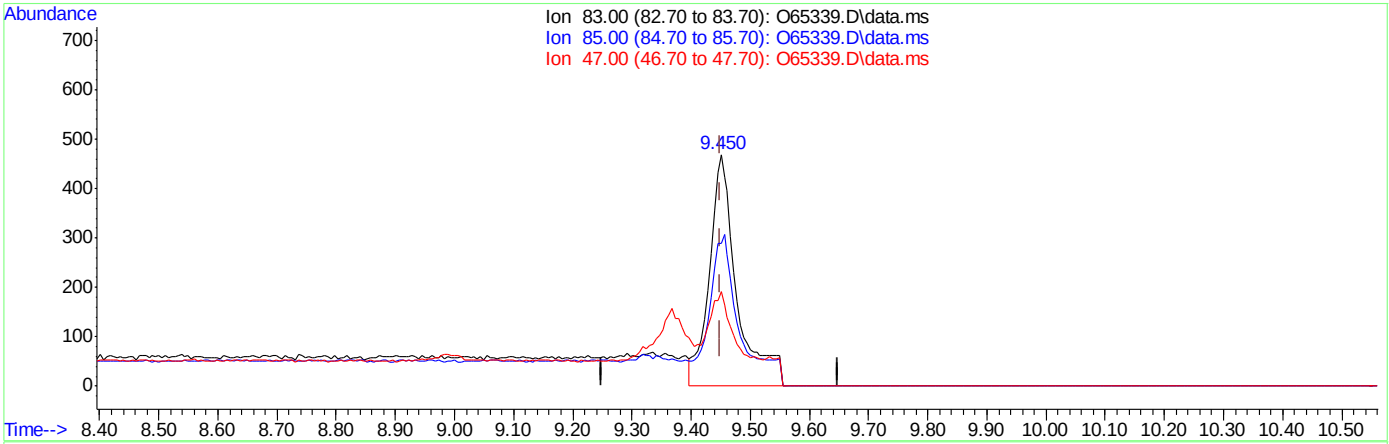
response 1085

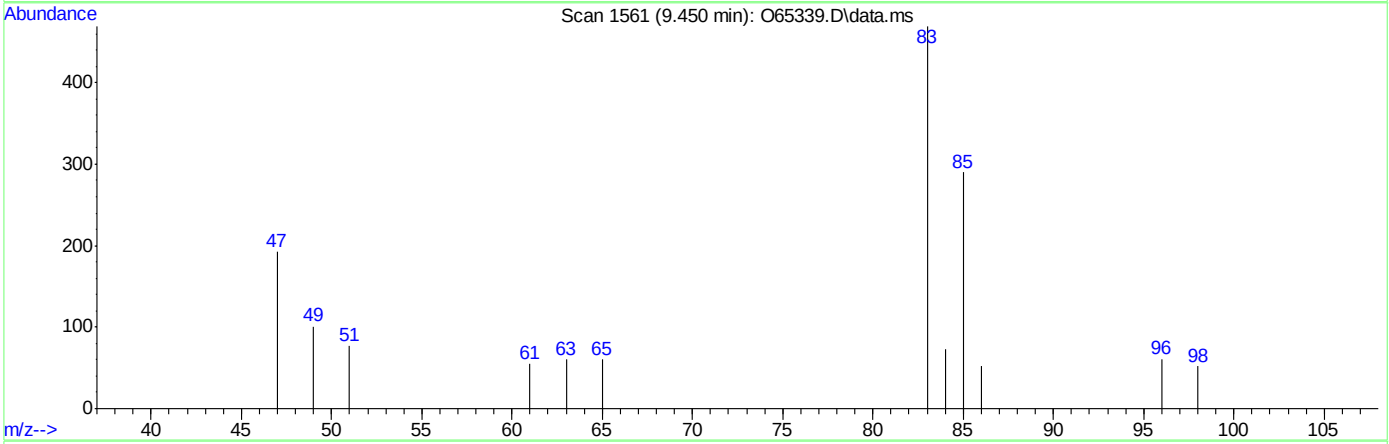
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	38.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.10ug/L

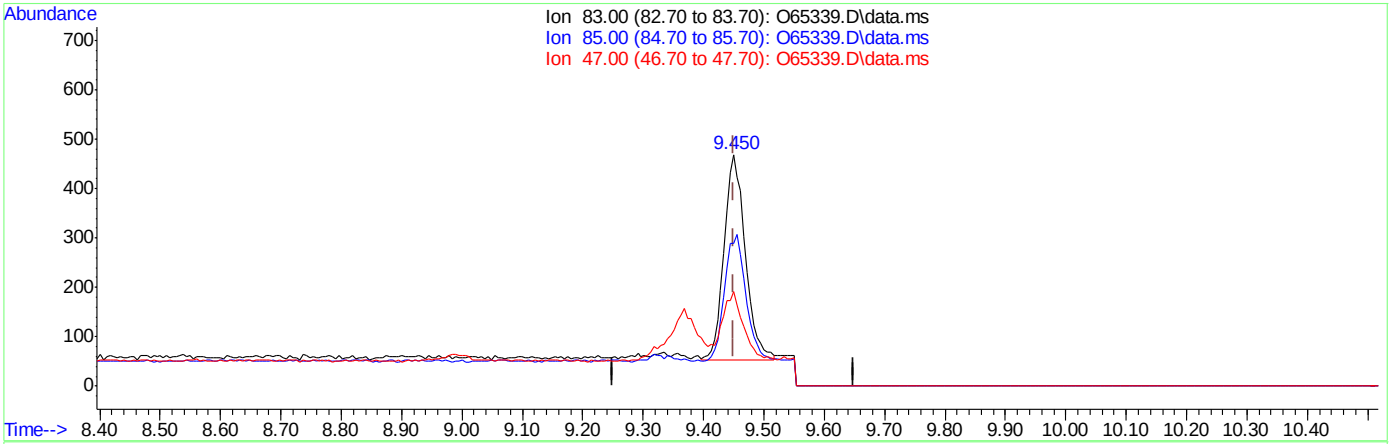
response 1533

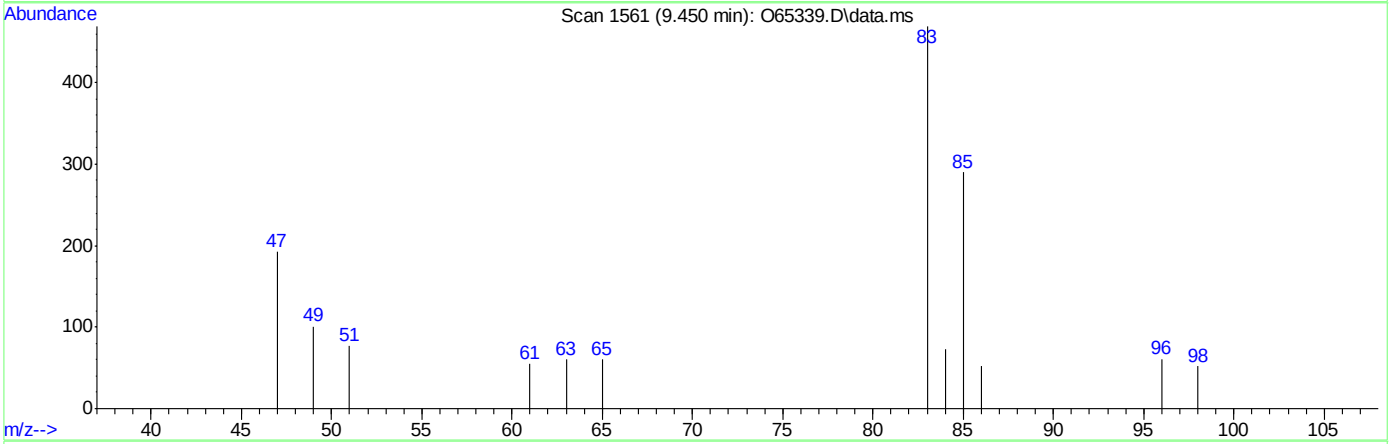
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.83
47.00	35.10	40.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.07ug/L m

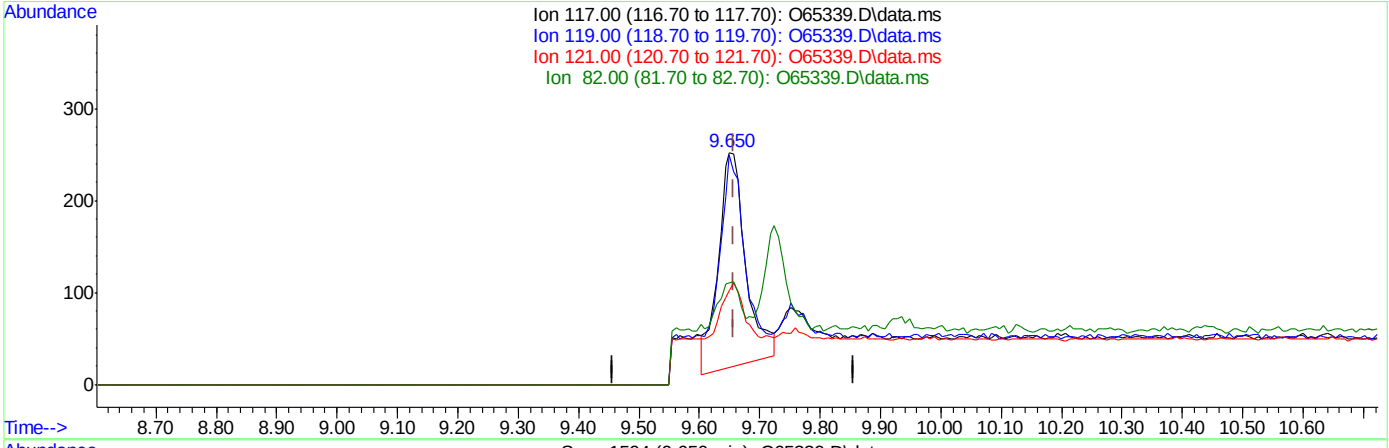
response 1014

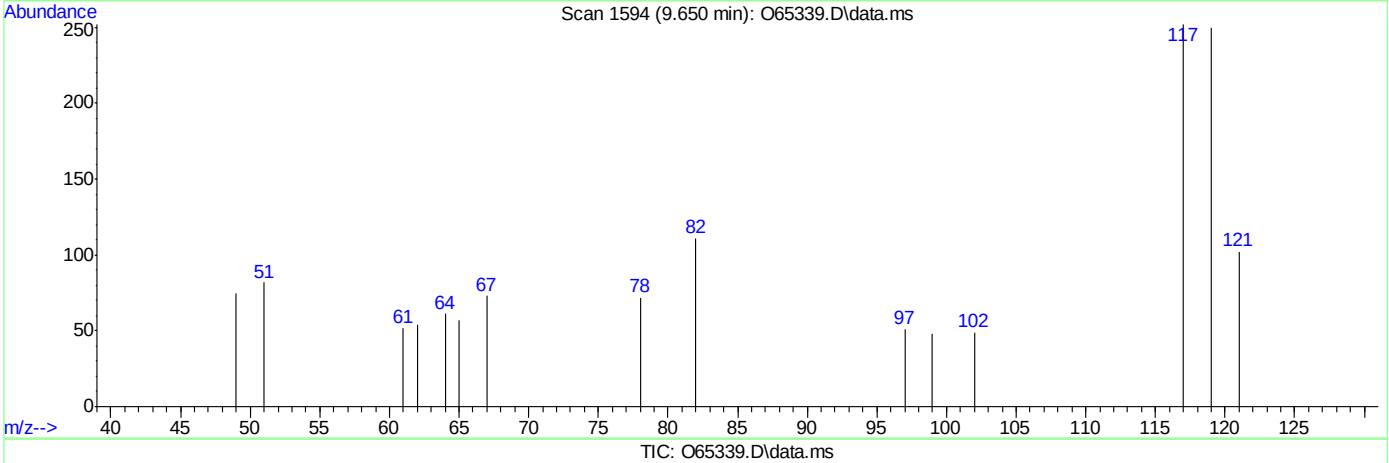
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.83
47.00	35.10	40.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.007) 0.08ug/L

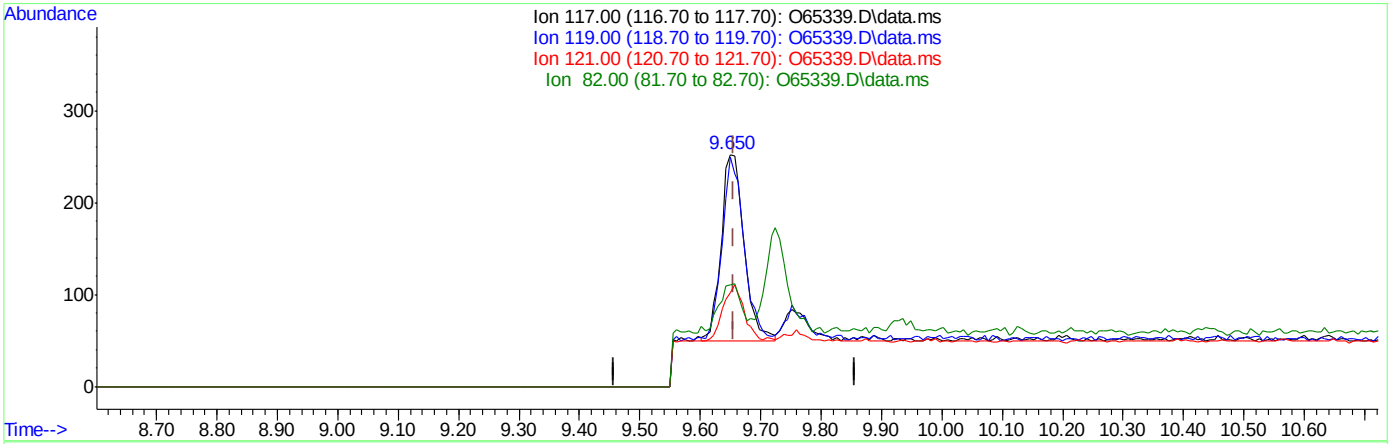
response 748

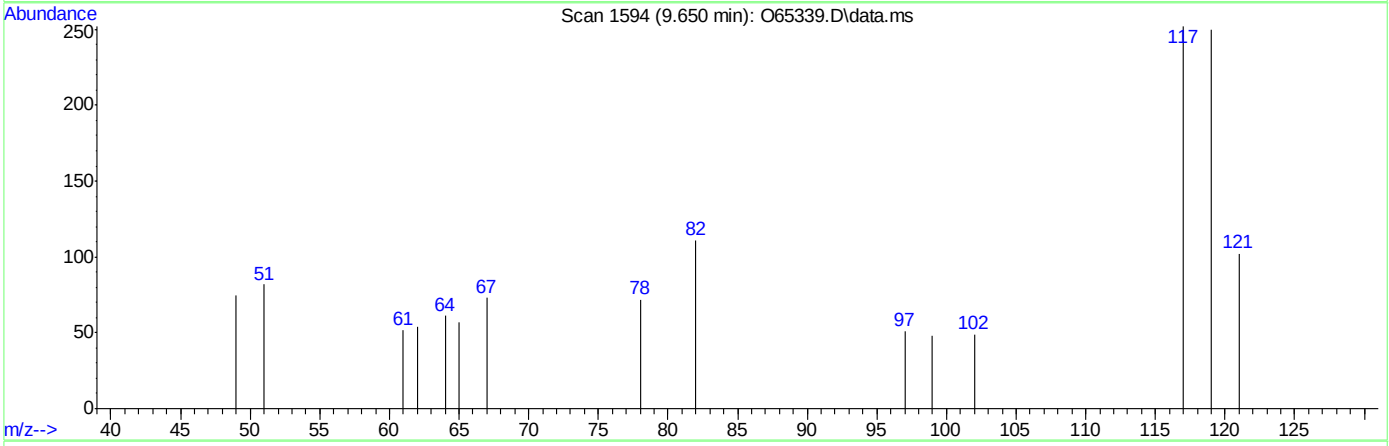
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.99
121.00	31.10	26.13
82.00	24.20	23.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.007) 0.06ug/L m

response 539

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	99.21
121.00	31.10	40.48
82.00	24.20	44.05

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro 09/23/21 14:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration

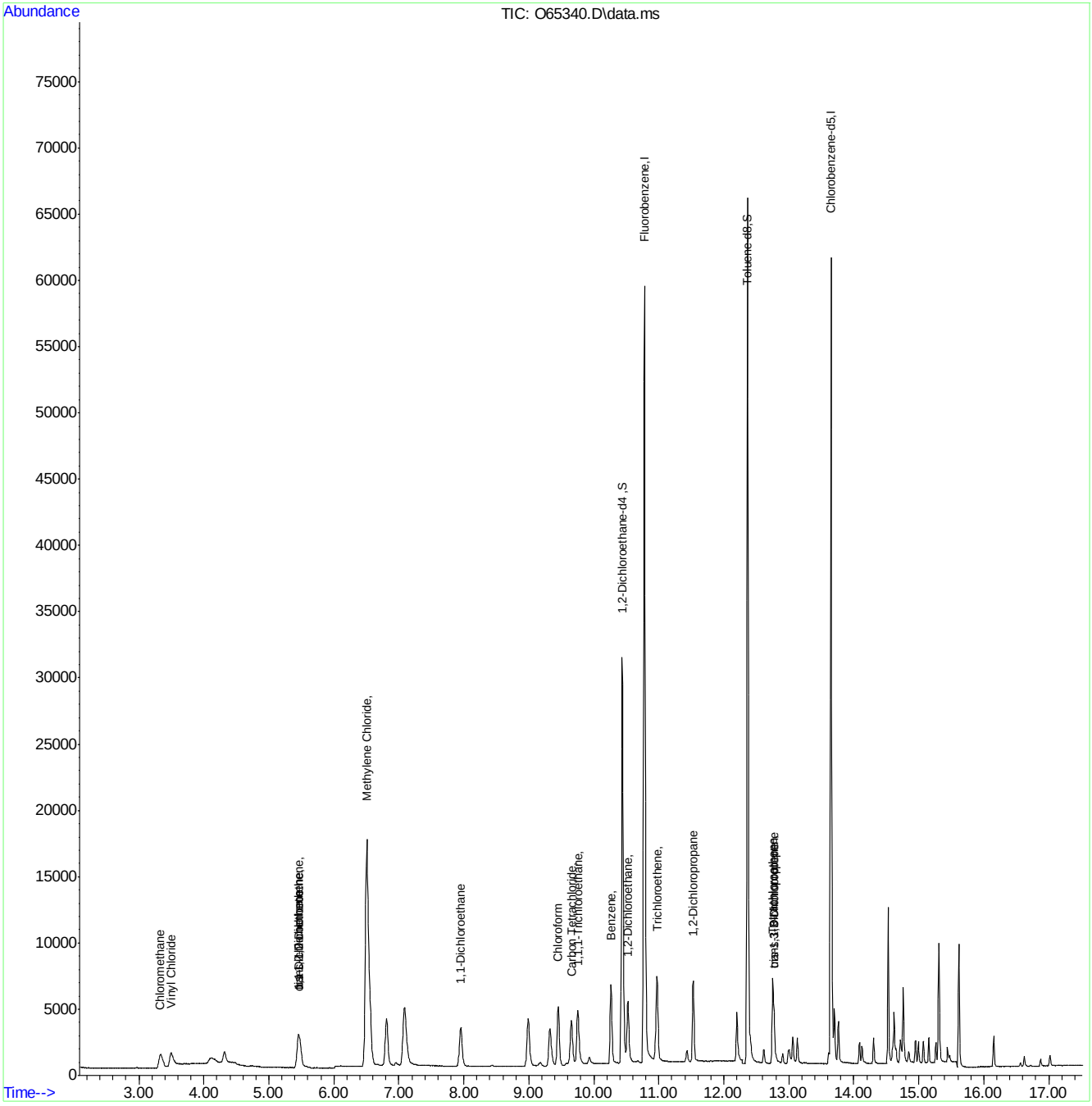
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	67534	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47933	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28852	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	12.367	98	56962	5.08	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	2550	0.24	ug/L	99
3) Chloromethane	3.330	50	3348	0.24	ug/L	93
4) 1,1-Dichloroethene	5.456	61	4476	0.34	ug/L	81
5) Methylene Chloride	6.501	49	25577	0.76	ug/L	90
6) trans-1,2-Dichloroethene	5.456	61	4476	0.34	ug/L	78
7) 1,1-Dichloroethane	7.951	63	5300	0.36	ug/L	98
8) cis-1,2-Dichloroethene	5.460	96	2200	0.33	ug/L	88
9) Chloroform	9.450	83	5211m	0.36	ug/L	
10) Carbon Tetrachloride	9.656	117	3010	0.33	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	3919	0.34	ug/L	95
12) Benzene	10.267	78	9599	0.36	ug/L	98
14) 1,2-Dichloroethane	10.525	62	4993	0.36	ug/L	91
15) Trichloroethene	10.974	95	2764	0.33	ug/L	94
16) 1,2-Dichloropropane	11.531	63	3011	0.36	ug/L	87
17) cis-1,3-Dichloropropene	12.774	75	2692	0.28	ug/L	96
20) trans-1,3-Dichloropropene	12.774	75	2692	0.28	ug/L	95
21) Tetrachloroethene	12.752	166	2462	0.34	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VO2566-IC2566
Lab FileID: O65340.D
Injection Time: 09/22/21 16:23

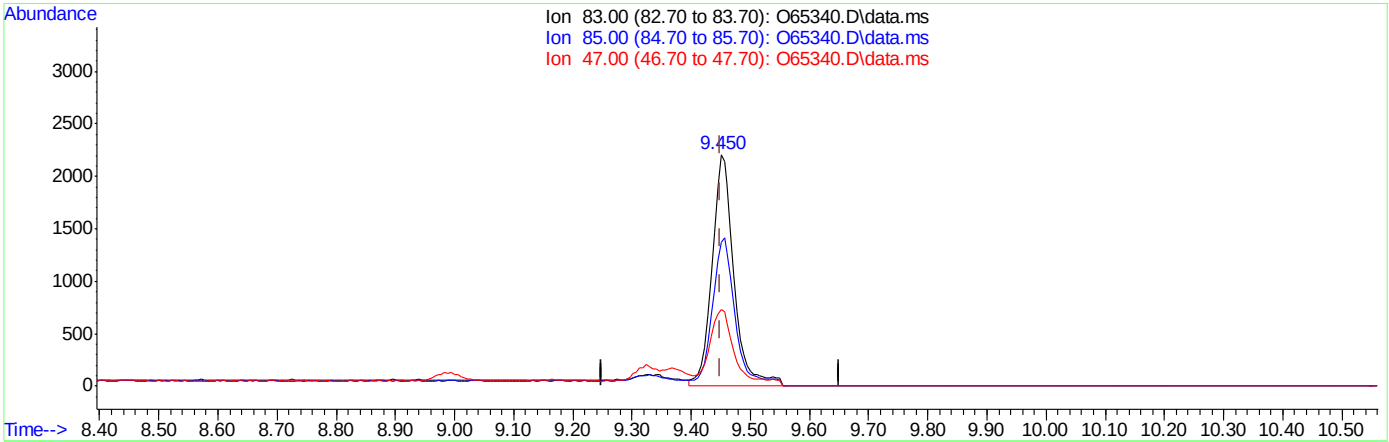
Method: SW846 8260B BY SIM
Analyst approved: 09/23/21 13:24 Charlene Gonzalez
Supervisor approved: 09/23/21 14:04 Sean Pioro

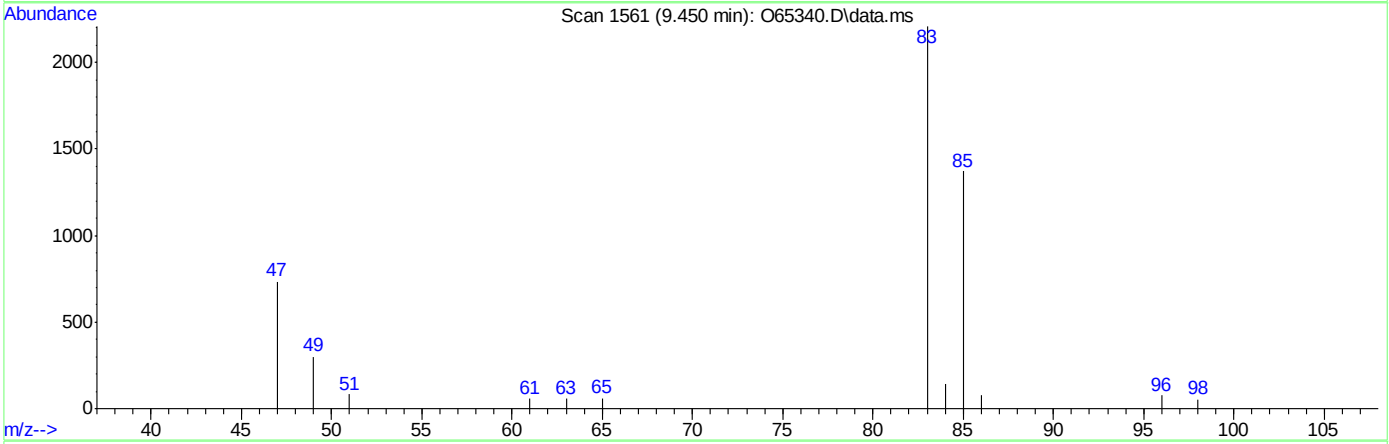
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration





TIC: O65340.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.39ug/L

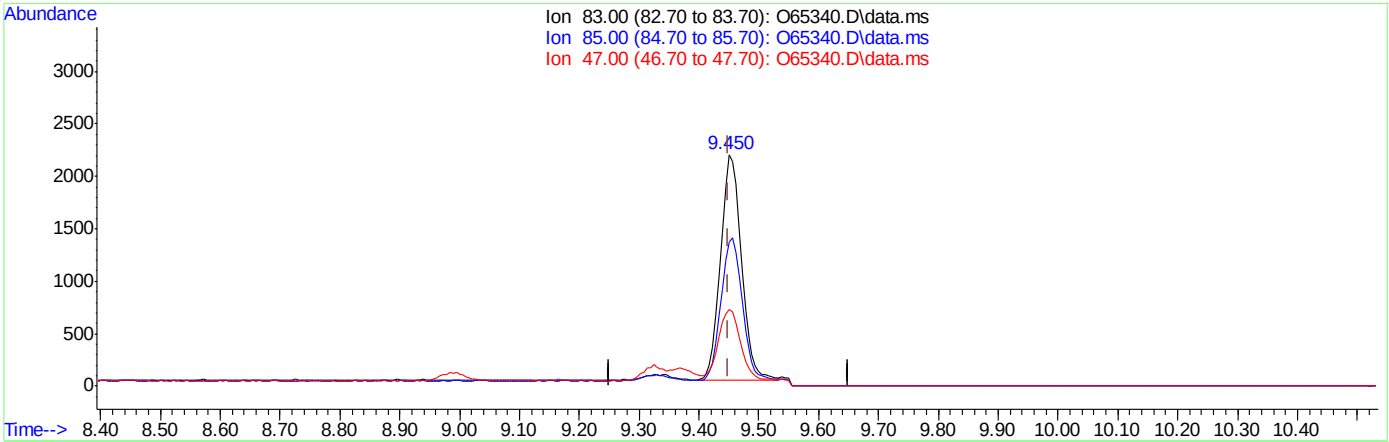
response 5762

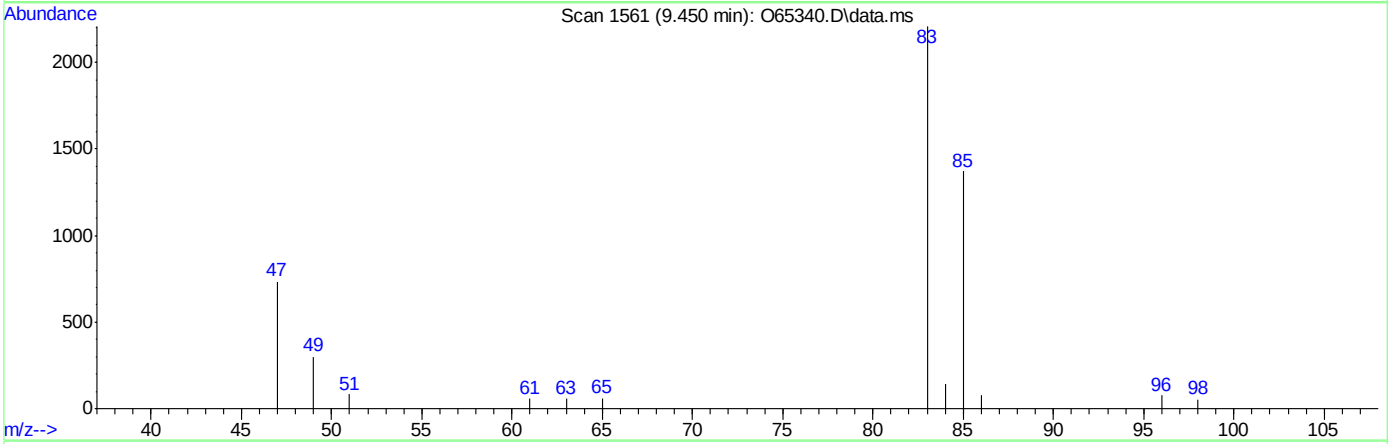
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.15
47.00	35.10	33.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration





TIC: O65340.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.36ug/L m

response 5211

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.15
47.00	35.10	33.27
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65341.D
Acq On : 22 Sep 2021 4:46 pm
Operator : charleng
Sample : ic2566-3 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:03:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:53 2021
Response via : Initial Calibration

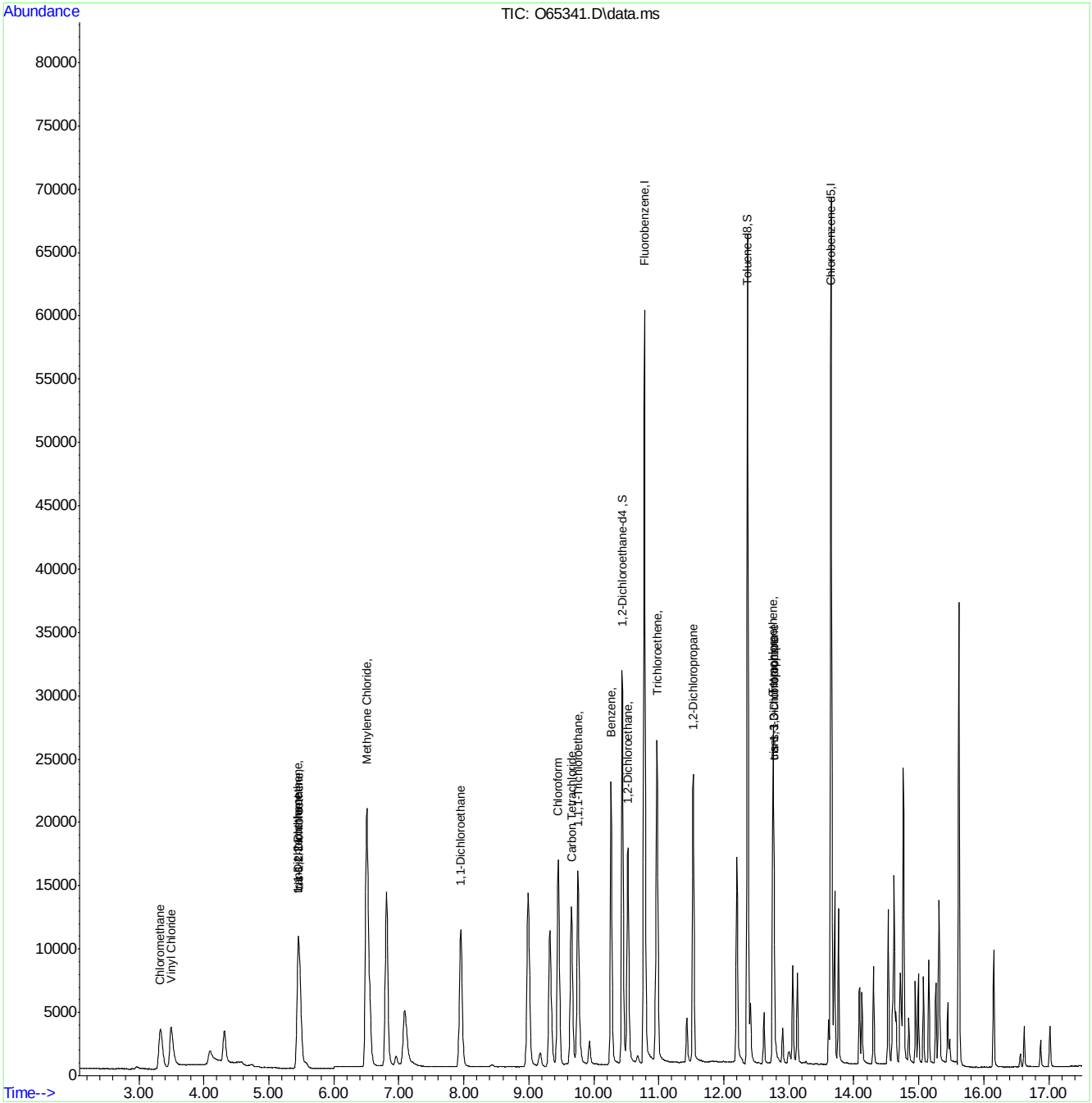
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	67784	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48414	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28328	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	56535	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	7892	0.81	ug/L	96
3) Chloromethane	3.331	50	9140	0.74	ug/L	97
4) 1,1-Dichloroethene	5.452	61	17261	1.35	ug/L	81
5) Methylene Chloride	6.506	49	28389	0.79	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	17261	1.35	ug/L	77
7) 1,1-Dichloroethane	7.951	63	19561	1.36	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	8366	1.31	ug/L	89
9) Chloroform	9.450	83	19257	1.36	ug/L	98
10) Carbon Tetrachloride	9.657	117	11869	1.35	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	15102	1.35	ug/L	94
12) Benzene	10.267	78	35085	1.36	ug/L	100
14) 1,2-Dichloroethane	10.525	62	18217	1.37	ug/L	90
15) Trichloroethene	10.974	95	10469	1.32	ug/L	95
16) 1,2-Dichloropropane	11.531	63	11144	1.38	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	10524	1.16	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	10524	1.15	ug/L	96
21) Tetrachloroethene	12.752	166	9170	1.33	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65341.D
Acq On : 22 Sep 2021 4:46 pm
Operator : charleng
Sample : ic2566-3 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:03:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65342.D
Acq On : 22 Sep 2021 5:09 pm
Operator : charleng
Sample : ic2566-4 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 13:04:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:08 2021
Response via : Initial Calibration

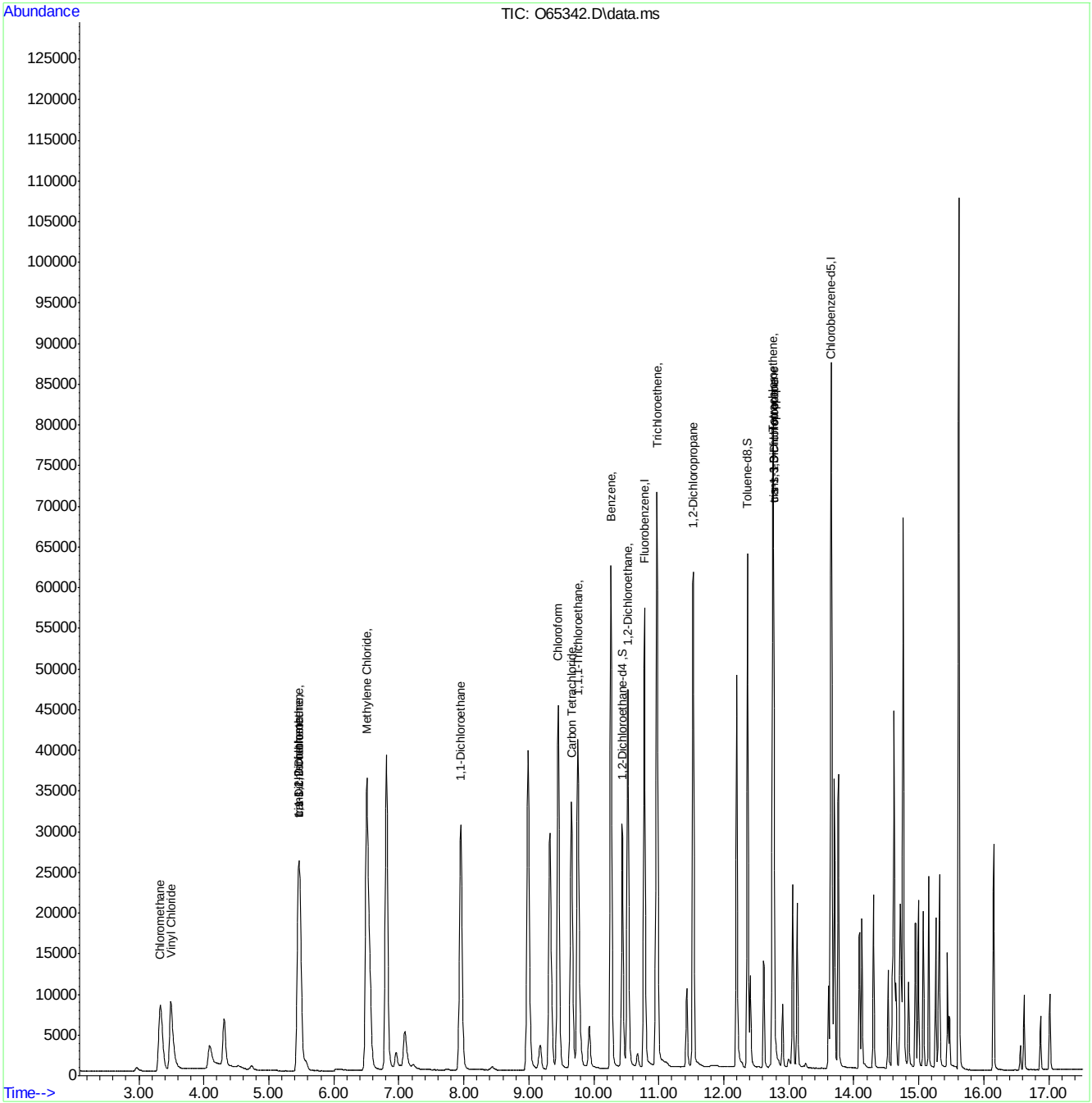
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	64180	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	46679	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27224	5.00	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.00%			
19) Toluene-d8	12.367	98	53608	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	21335	2.54	ug/L	98
3) Chloromethane	3.330	50	24021	2.28	ug/L	98
4) 1,1-Dichloroethene	5.456	61	45983	3.98	ug/L	82
5) Methylene Chloride	6.506	49	54603	1.81	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	45983	3.98	ug/L	78
7) 1,1-Dichloroethane	7.951	63	52873	4.08	ug/L	99
8) cis-1,2-Dichloroethene	5.460	96	22388	3.89	ug/L	89
9) Chloroform	9.450	83	50974	4.01	ug/L	98
10) Carbon Tetrachloride	9.657	117	30604	3.85	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	39776	3.93	ug/L	96
12) Benzene	10.267	78	94431	4.04	ug/L	99
14) 1,2-Dichloroethane	10.525	62	49277	4.11	ug/L	91
15) Trichloroethene	10.974	95	28924	4.06	ug/L	95
16) 1,2-Dichloropropane	11.531	63	29683	4.07	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	33391	4.12	ug/L	96
20) trans-1,3-Dichloropropene	12.769	75	33391	4.03	ug/L	95
21) Tetrachloroethene	12.752	166	24017	3.80	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65342.D
Acq On : 22 Sep 2021 5:09 pm
Operator : charleng
Sample : ic2566-4 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 13:04:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:08 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65343.D
Acq On : 22 Sep 2021 5:32 pm
Operator : charleng
Sample : icc2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 13:04:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:26 2021
Response via : Initial Calibration

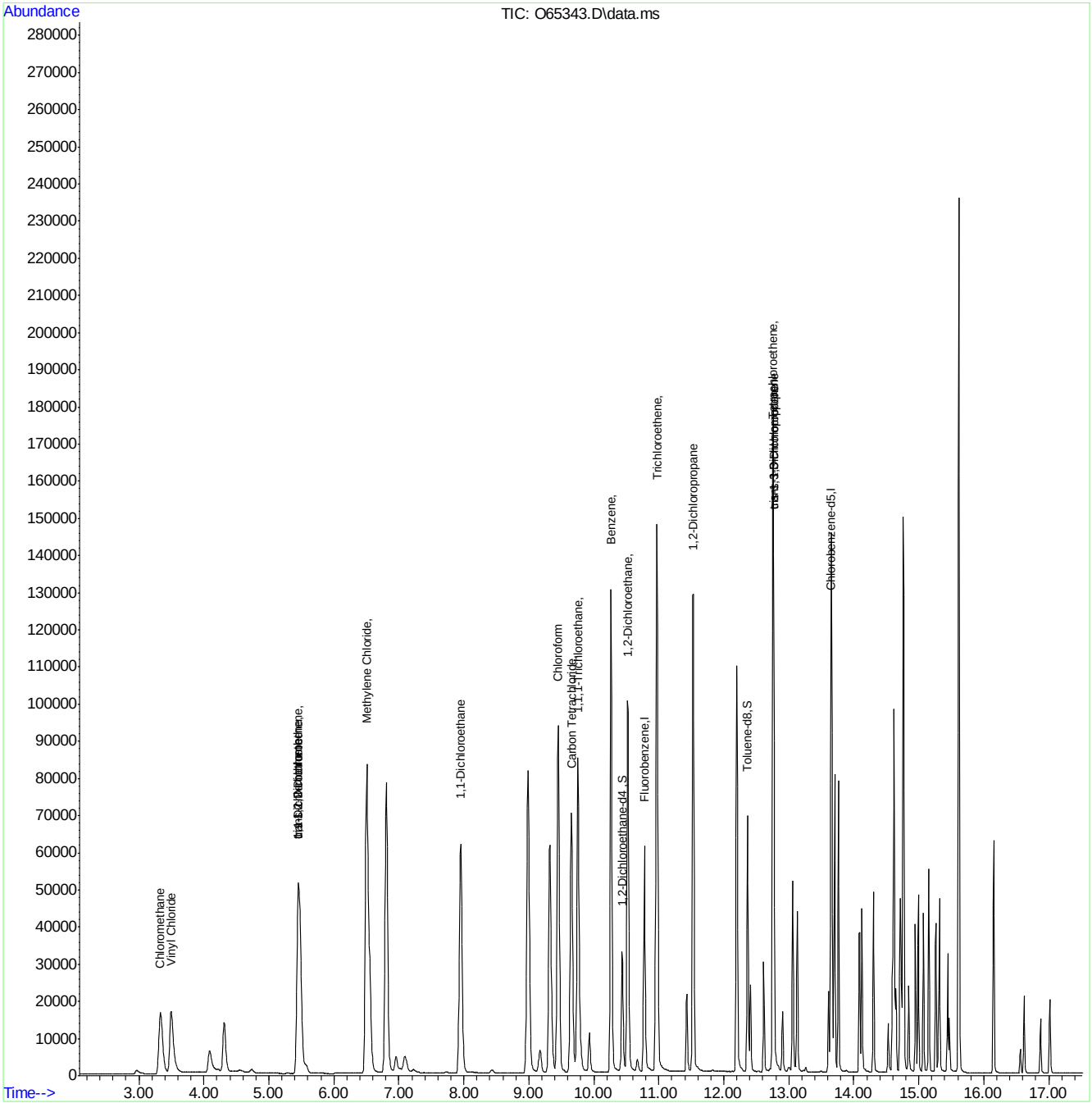
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	68420	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	50995	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28679	4.94	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%			
19) Toluene-d8	12.367	98	57937	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	44526	5.49	ug/L	99
3) Chloromethane	3.330	50	47834	4.79	ug/L	98
4) 1,1-Dichloroethene	5.452	61	94957	8.26	ug/L	82
5) Methylene Chloride	6.501	49	123352	4.19	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	94957	8.26	ug/L	79
7) 1,1-Dichloroethane	7.951	63	110352	8.51	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	46178	8.06	ug/L	90
9) Chloroform	9.450	83	106056	8.34	ug/L	98
10) Carbon Tetrachloride	9.657	117	66056	8.37	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	84484	8.39	ug/L	97
12) Benzene	10.267	78	199900	8.56	ug/L	99
14) 1,2-Dichloroethane	10.519	62	103827	8.66	ug/L	89
15) Trichloroethene	10.974	95	59300	8.43	ug/L	96
16) 1,2-Dichloropropane	11.531	63	63559	8.72	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	72627	9.05	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	72627	8.68	ug/L	94
21) Tetrachloroethene	12.752	166	50913	7.96	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65343.D
Acq On : 22 Sep 2021 5:32 pm
Operator : charleng
Sample : icc2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 13:04:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65344.D
Acq On : 22 Sep 2021 5:56 pm
Operator : charleng
Sample : ic2566-6 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 13:04:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:47 2021
Response via : Initial Calibration

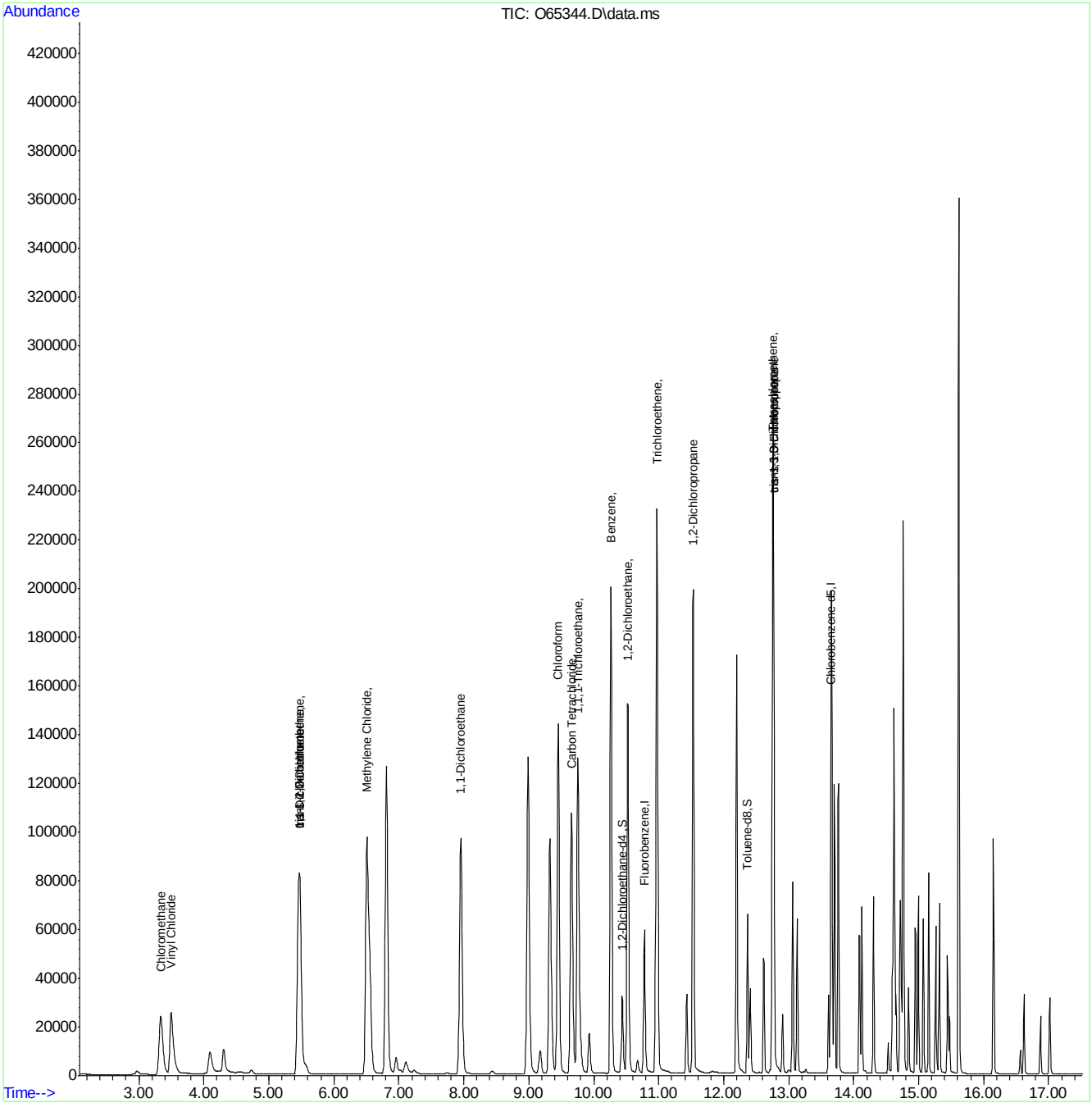
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65009	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47996	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27645	5.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.20%			
19) Toluene-d8	12.367	98	54163	4.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	66108	9.84	ug/L	98
3) Chloromethane	3.335	50	69166	8.39	ug/L	97
4) 1,1-Dichloroethene	5.469	61	146430	14.35	ug/L	82
5) Methylene Chloride	6.507	49	158143	5.88	ug/L	92
6) trans-1,2-Dichloroethene	5.469	61	146430	14.35	ug/L	78
7) 1,1-Dichloroethane	7.951	63	169663	14.59	ug/L	99
8) cis-1,2-Dichloroethene	5.469	96	71206	14.00	ug/L	90
9) Chloroform	9.450	83	161730	14.17	ug/L	98
10) Carbon Tetrachloride	9.657	117	101599	14.46	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	128379	14.32	ug/L	95
12) Benzene	10.267	78	303175	14.46	ug/L	100
14) 1,2-Dichloroethane	10.525	62	156937	14.55	ug/L	91
15) Trichloroethene	10.974	95	91247	14.61	ug/L	96
16) 1,2-Dichloropropane	11.531	63	94674	14.43	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	114378	16.02	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	114378	15.64	ug/L	94
21) Tetrachloroethene	12.752	166	75064	13.43	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65344.D
Acq On : 22 Sep 2021 5:56 pm
Operator : charleng
Sample : ic2566-6 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 13:04:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:47 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65345.D
Acq On : 22 Sep 2021 6:19 pm
Operator : charleng
Sample : ic2566-7 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 13:05:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:05:22 2021
Response via : Initial Calibration

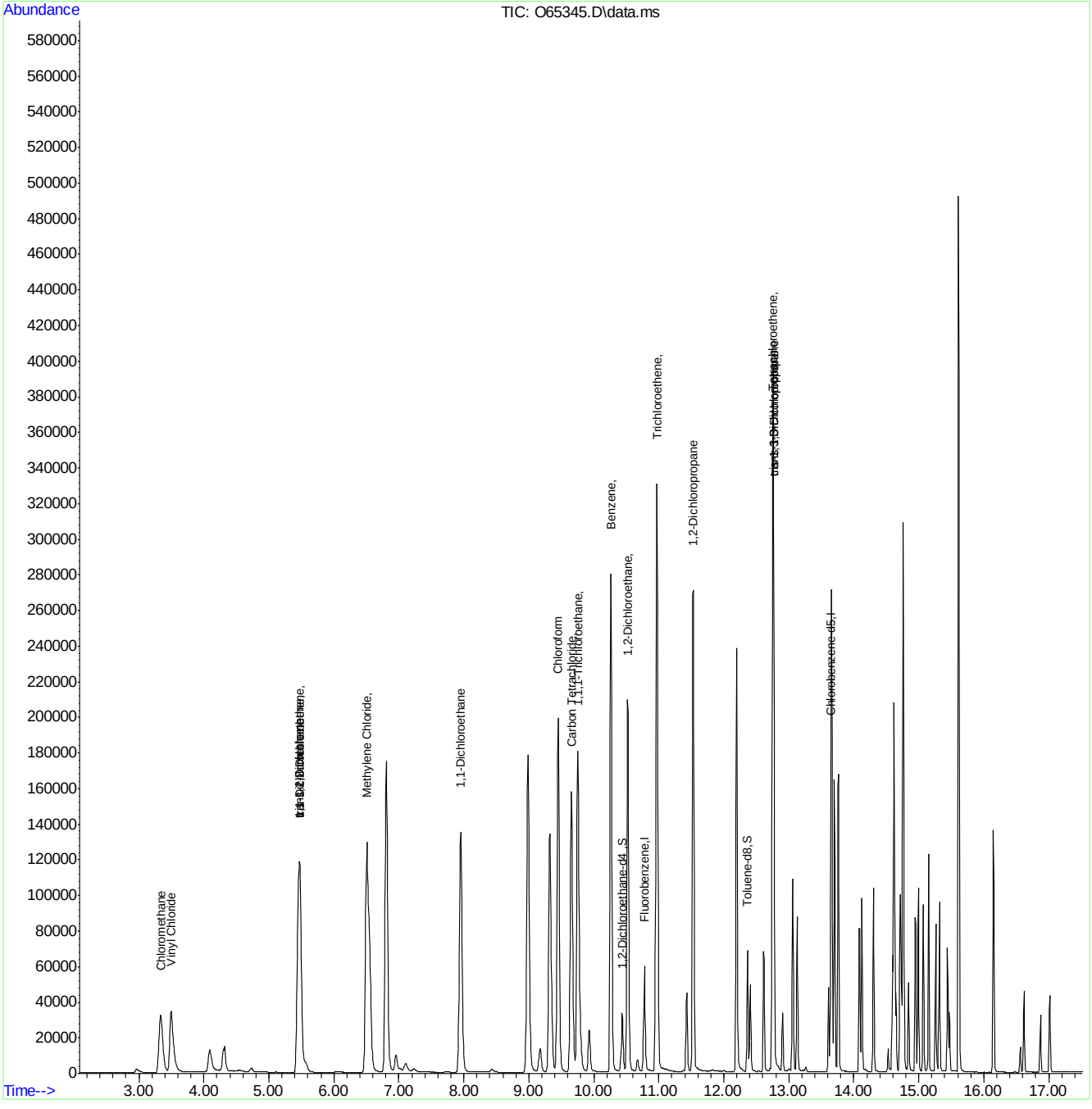
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65842	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	49086	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28212	5.05	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.00%			
19) Toluene-d8	12.367	98	55502	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	92983	16.03	ug/L	99
3) Chloromethane	3.335	50	94620	13.44	ug/L	97
4) 1,1-Dichloroethene	5.469	61	211864	21.89	ug/L	83
5) Methylene Chloride	6.506	49	219978	8.41	ug/L	93
6) trans-1,2-Dichloroethene	5.469	61	211864	21.89	ug/L	79
7) 1,1-Dichloroethane	7.951	63	233736	21.00	ug/L	99
8) cis-1,2-Dichloroethene	5.473	96	103279	21.45	ug/L	89
9) Chloroform	9.450	83	220826	20.22	ug/L	98
10) Carbon Tetrachloride	9.656	117	147734	22.20	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	183311	21.57	ug/L	96
12) Benzene	10.267	78	422697	21.11	ug/L	98
14) 1,2-Dichloroethane	10.518	62	211736	20.50	ug/L	89
15) Trichloroethene	10.974	95	128647	21.61	ug/L	95
16) 1,2-Dichloropropane	11.531	63	130134	20.75	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	159113	23.58	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	159113	22.93	ug/L	94
21) Tetrachloroethene	12.752	166	108207	20.42	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65345.D
Acq On : 22 Sep 2021 6:19 pm
Operator : charleng
Sample : ic2566-7 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 13:05:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:05:22 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65347.D
Acq On : 22 Sep 2021 7:06 pm
Operator : charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 13:06:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

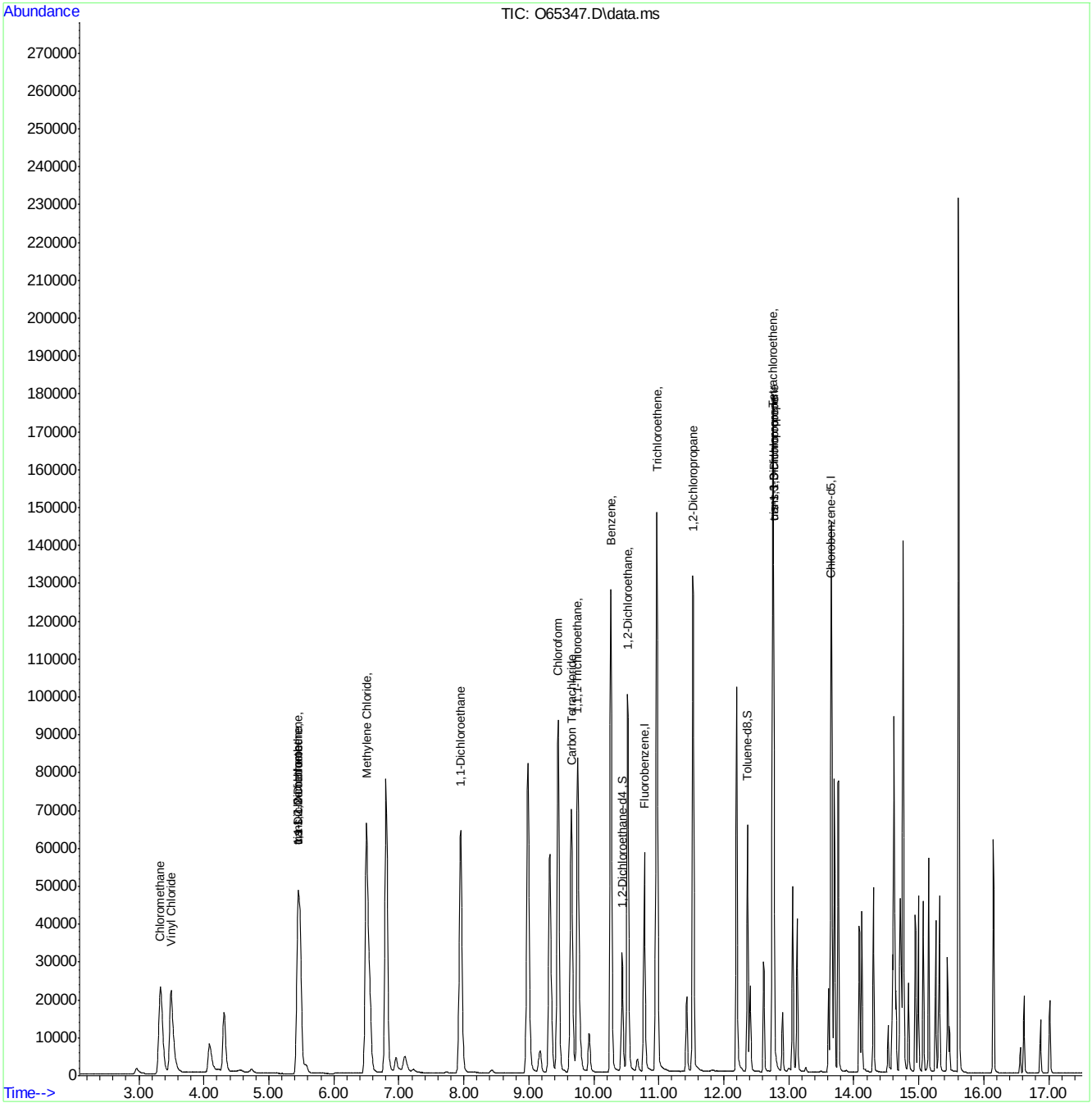
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	66175	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27719	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	55468	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	59850	13.43	ug/L	98
3) Chloromethane	3.330	50	67381	14.29	ug/L	97
4) 1,1-Dichloroethene	5.452	61	95202	10.41	ug/L	81
5) Methylene Chloride	6.501	49	102708	8.87	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	95202	10.41	ug/L	77
7) 1,1-Dichloroethane	7.951	63	114993	10.90	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	46481	10.24	ug/L	91
9) Chloroform	9.450	83	105355	10.18	ug/L	97
10) Carbon Tetrachloride	9.657	117	66018	10.50	ug/L	98
11) 1,1,1-Trichloroethane	9.752	97	83526	10.43	ug/L	95
12) Benzene	10.267	78	199029	10.51	ug/L	98
14) 1,2-Dichloroethane	10.518	62	102317	10.49	ug/L	89
15) Trichloroethene	10.974	95	59624	10.59	ug/L	96
16) 1,2-Dichloropropane	11.525	63	63210	10.67	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	72147	10.06	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	72147	10.07	ug/L	94
21) Tetrachloroethene	12.752	166	50564	10.35	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65347.D
Acq On : 22 Sep 2021 7:06 pm
Operator : charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 13:06:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



SIMCL-09-22-2021.M Thu Sep 23 13:17:13 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65364.D
Acq On : 24 Sep 2021 2:20 pm
Operator : charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 14:54:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

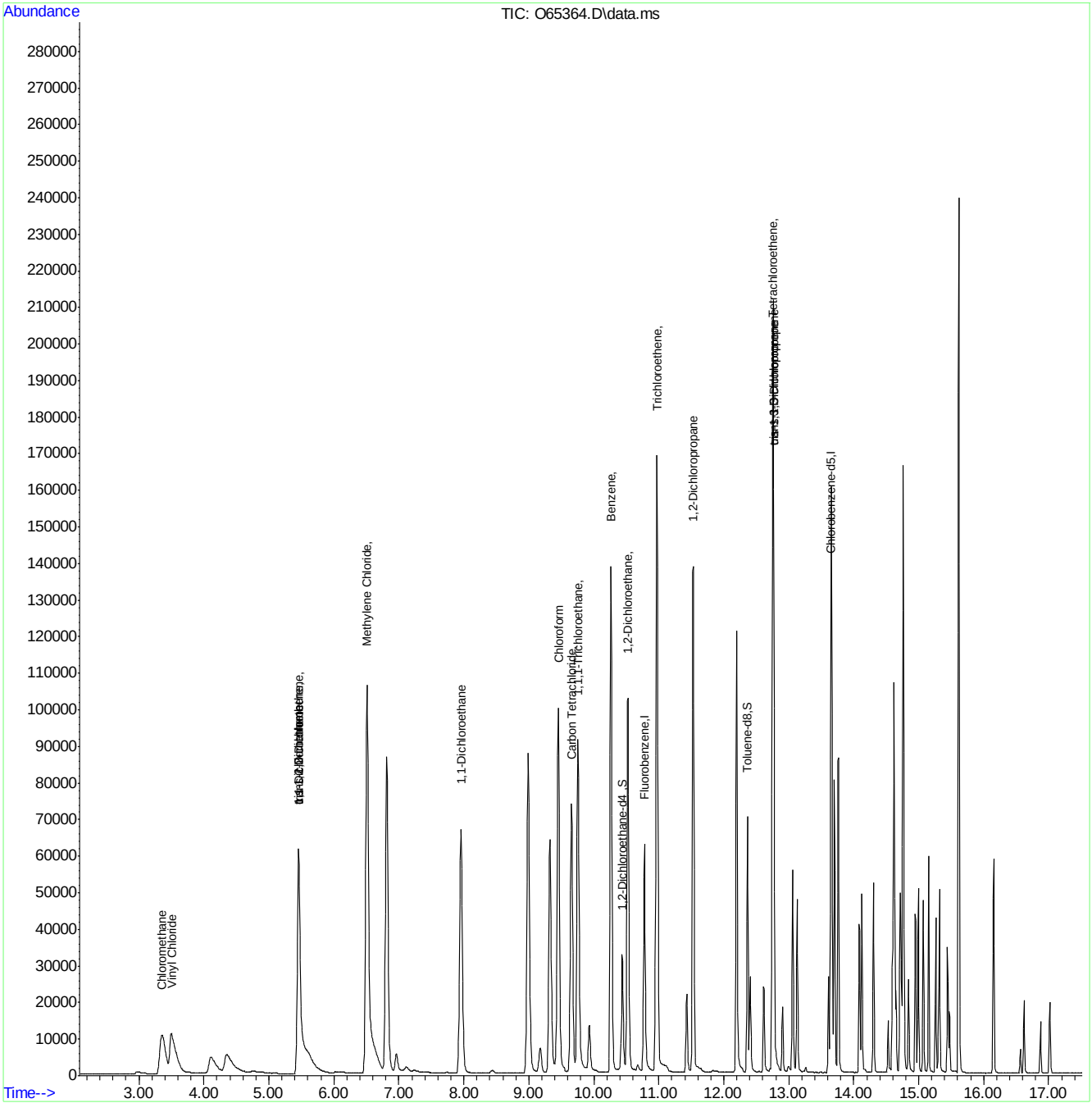
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	69579	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	53606	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28394	4.81	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 96.20%			
19) Toluene-d8	12.367	98	60148	4.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	45970	10.05	ug/L	99
3) Chloromethane	3.356	50	48527	9.83	ug/L	97
4) 1,1-Dichloroethene	5.456	61	100305	10.43	ug/L	82
5) Methylene Chloride	6.507	49	143491	11.98	ug/L	91
6) trans-1,2-Dichloroethene	5.456	61	100305	10.43	ug/L	78
7) 1,1-Dichloroethane	7.957	63	119433	10.77	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	49003	10.26	ug/L	90
9) Chloroform	9.456	83	114072	10.49	ug/L	96
10) Carbon Tetrachloride	9.657	117	67651	10.23	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	86083	10.23	ug/L	96
12) Benzene	10.267	78	215794	10.84	ug/L	100
14) 1,2-Dichloroethane	10.525	62	109358	10.66	ug/L	91
15) Trichloroethene	10.974	95	68826	11.63	ug/L	96
16) 1,2-Dichloropropane	11.531	63	69013	11.08	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	86628	11.32	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	86628	10.91	ug/L	93
21) Tetrachloroethene	12.752	166	59991	11.18	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65364.D
Acq On : 24 Sep 2021 2:20 pm
Operator : charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 14:54:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65384.D
Acq On : 24 Sep 2021 10:03 pm
Operator : charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 27 08:49:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

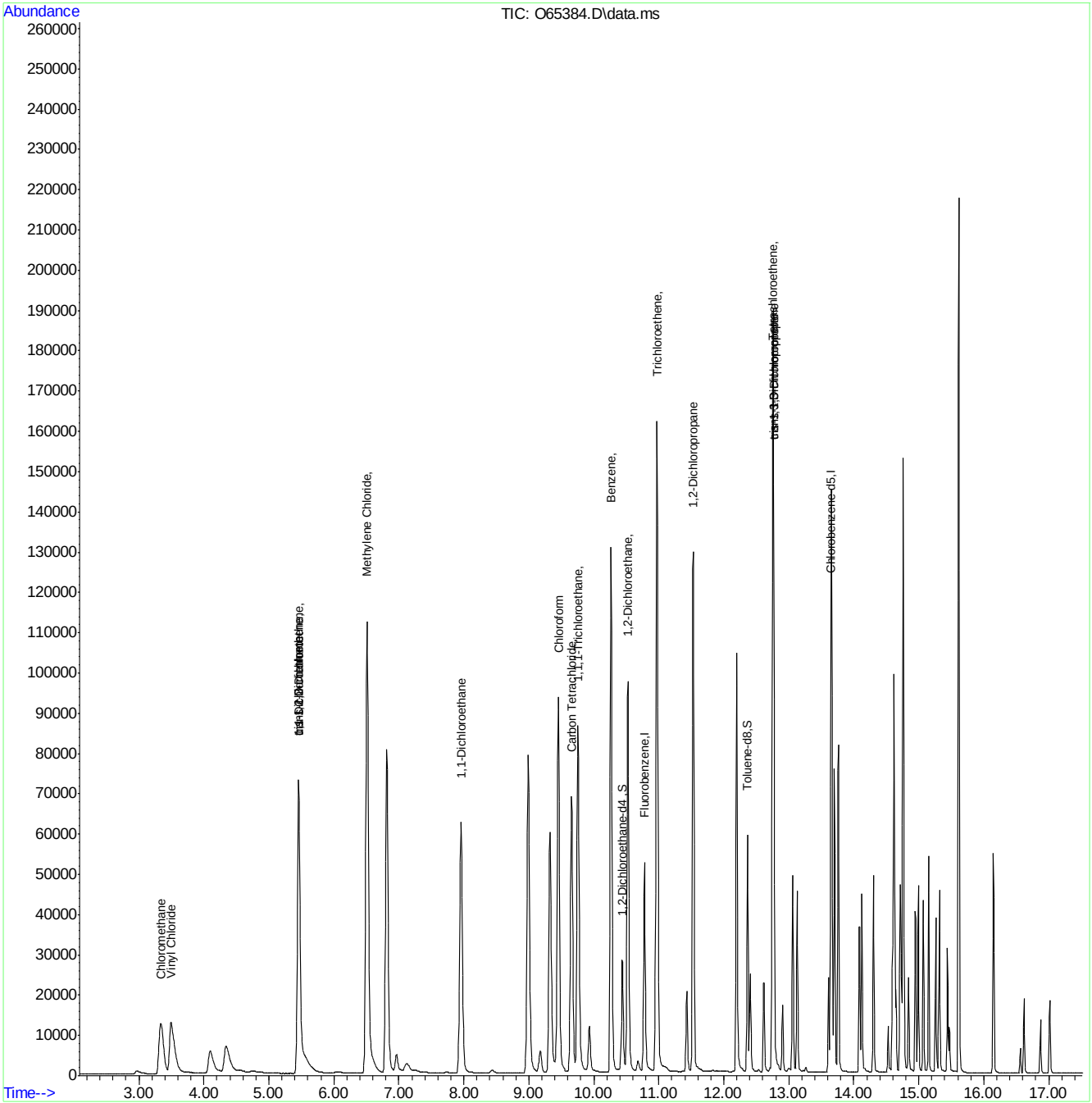
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58956	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	46148	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24845	4.96	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.20%			
19) Toluene-d8	12.367	98	49889	4.70	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	45502	11.61	ug/L	98
3) Chloromethane	3.335	50	43798	10.46	ug/L	97
4) 1,1-Dichloroethene	5.456	61	98286	12.06	ug/L	81
5) Methylene Chloride	6.512	49	132113	13.09	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	98286	12.06	ug/L	78
7) 1,1-Dichloroethane	7.956	63	110275	11.74	ug/L	100
8) cis-1,2-Dichloroethene	5.456	96	47487	11.74	ug/L	91
9) Chloroform	9.456	83	104611	11.35	ug/L	97
10) Carbon Tetrachloride	9.656	117	62542	11.17	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	80045	11.22	ug/L	95
12) Benzene	10.267	78	196516	11.65	ug/L	99
14) 1,2-Dichloroethane	10.525	62	100493	11.56	ug/L	90
15) Trichloroethene	10.974	95	64512	12.87	ug/L	96
16) 1,2-Dichloropropane	11.531	63	63194	11.97	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	74038	11.40	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	74038	10.84	ug/L	94
21) Tetrachloroethene	12.752	166	54077	11.71	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65384.D
Acq On : 24 Sep 2021 10:03 pm
Operator : charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 27 08:49:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/22/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-22-2021.M
CALIB. DATE:	9/22/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2663357
AFA:	N/A
RUN ID:	VO2566

BFB:	V26371
ICAL/CC:	VS1488, VS1501
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1502

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/23/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65337	MB	-	-	W	1	BFB_SIM		-	-	-	
O65338	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65339	IC2566-1	-	-	W	3	ACQ_SIMCLb	#3MP ; #9, 10 PDB	-	-	-	1uL→ 100mL
O65340	IC2566-2	-	-	W	4	ACQ_SIMCLb	#9 PDB	-	-	-	5uL→ 100mL
O65341	IC2566-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65342	IC2566-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65343	ICC2566-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65344	IC2566-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65345	IC2566-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65346	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O65347	ICV2566-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65348	BS d	-	-	W	12	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65349	MB d	-	-	W	13	ACQ_SIMCLb		-	-	-	
O65350	MB d	-	-	W	14	ACQ_SIMCLb		-	-	-	
O65351	FA88845-12 d	1x	2	W	15	ACQ_SIMCLb		1	N	-	
O65352	FA88845-9 d	2x	2	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O65353	FA88845-9MS d	5x	2	W	17	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65354	FA88845-9MSD d	5x	2	W	18	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65355	ECC2566-5	-	-	W	19	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/24/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-22-2021.M
CALIB. DATE:	9/22/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2380291
AFA:	N/A
RUN ID:	**VO2567**

BFB:	V26371
ICAL/CC:	VS1488, VS1501
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1502

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/27/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65362	MB	-	-	W	1	BFB_SIM		-	-	-	
O65363	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65364	CC2566-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65365	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL ; CM ↑, Vinyl Cl ↑
O65366	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65367	MB	-	-	W	6	ACQ_SIMCLb		-	-	-	
O65368	FA89259-1	1x	1	W	7	ACQ_SIMCLb		1	N	-	
O65369	FA89259-2	1x	1	W	8	ACQ_SIMCLb	#5 SP	1	N	-	
O65370	FA89259-3	1x	1	W	9	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65371	FA89259-4	1x	1	W	10	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65372	FA89259-5	1x	1	W	11	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65373	FA89259-6	1x	1	W	12	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65374	FA89260-1	1x	1	W	13	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65375	FA89260-2	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O65376	FA89260-3	1x	1	W	15	ACQ_SIMCLb	#9 PDB	1	N	-	
O65377	FA89260-4	1x	1	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O65378	FA89260-5	1x	1	W	17	ACQ_SIMCLb		1	N	-	
O65379	FA89261-1	1x	1	W	18	ACQ_SIMCLb		1	N	-	
O65380	FA89262-1	1x	1	W	19	ACQ_SIMCLb	#9,10 PDB	1	N	-	
O65381	BS2	-	-	W	20	ACQ_SIMCLb		-	-	-	20uL→ 40mL ; For CM and VC only
O65382	FA89259-2ms	5x	2	W	21	ACQ_SIMCLb		1	N	-	20uL→ 40mL ; 20mL → 100mL
O65383	FA89259-2msd	5x	2	W	22	ACQ_SIMCLb		1	N	-	20uL→ 40mL ; 20mL → 100mL
O65384	ECC2566-5	-	-	W	23	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fmr Fort Ord 3Q21) OUCTP-A

SGS Job Number: FA89262

Sampling Date: 09/23/21

Report to:

Ahtna Global, LLC

dlieberman@ahtna.net
mfisler@ahtna.net; hdillon@ahtna.net; eschmidt@ahtna.net; skorbay@ahtna.net; tbage@
ATTN: Derek Lieberman

Total number of pages in report: **86**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

October 08, 2021

Derek Lieberman
Ahtna Global, LLC
9699 Blue Larkspur Lane
Suite 203
Monterey, CA 93940

RE: SGS North America Inc. - Orlando job FA89262 Reissue

Dear Derek,

In response to the data inquiry from the validator, the lab has fixed the data to include the blank spike for the target analyte, vinyl chloride. The changes are incorporated in the revised report for sample delivery group FA89262

SGS North America Inc. - Orlando apologizes for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS North America, Inc. - Orlando

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA89262

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fmr Fort Ord 3Q21) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA89262-1	09/23/21	11:58	MF	09/24/21	AQ	Ground Water	2138M0BW167F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA89262

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/27/2021 4:58:57

On 09/24/2021, 1 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA89262 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VO2567

Sample(s) FA89259-2MS, FA89259-2MSD were used as the QC samples indicated.

VO2567-MB for Methylene Chloride: Suspected laboratory contaminant.

FA89262-1 for Vinyl Chloride: Associated ICV outside DOD control limits high, however sample ND.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA89262
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA89262-1	**2138M0BW167F**					
Carbon Tetrachloride		0.48 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.31 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2138M0BW167F		
Lab Sample ID:	FA89262-1	**Date Sampled:**	09/23/21
Matrix:	AQ - Ground Water	**Date Received:**	09/24/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O65380.D	1	09/24/21 20:30	CG	n/a	n/a	VO2567
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.48	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.31	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride [a]	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ICV outside DOD control limits high, however sample ND.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

FA89262

Ahtna

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0196

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA Sampler/s: MARK FISLER

Project Name: OUCTP MWS FORT ORD MWS K Report To: Derek Lieberman

Project Number: 21065.000.01.0000 (TASK 7.1) E-Mail: dlieberman@ahtna.net

Sampling Event/Site: 3RD QRTR SAMPLING Laboratory: SGS

Analysis Requested

Lab Sample Receipt

Laboratory Sample Delivery

Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix Water	Matrix Soil	Matrix Other	Total # of Bottles	Number of Preserved Bottles HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2138MOBW167F	9/23/21	1158	X			3	3								X			

INITIAL ASSESSMENT JP

LABEL VERIFICATION

Turnaround Time: ____: Standard X: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush

Shipment: Method: Tracking ID:

Comments:

OUCTP-A

Chain of Custody Tracking:

Relinquished by Sampler:	Date/Time: 9/23/21 1900	Received By: FedEx	Date/Time:
Relinquished By: FedEx	Date/Time:	Received By:	Date/Time: 9/24/21 945
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time:

5.1 5

FA89262: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA89262 **Client:** AHTNA **Project:** Fmr Fort Ord 3Q21 GWM - OUCTP A

Date / Time Received: 9/24/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 284100639144

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.4);

Cooler Temps (Corrected) °C: Cooler 1: (0.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☐		☑	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/24/2021 9:45:00 AM Reviewer: PH Date: 9/25/2021

FA89262: Chain of Custody
Page 2 of 2

QC Evaluation: DOD QSM5.x Limits

Job Number: FA89262
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/23/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VO2567	SW846 8260B BY SIM						
VO2567-BS	56-23-5	Carbon Tetrachloride	BSP	REC	88	%	72-136
VO2567-BS	67-66-3	Chloroform	BSP	REC	90	%	79-124
VO2567-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	90	%	71-131
VO2567-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	90	%	79-121
VO2567-BS	75-09-2	Methylene Chloride	BSP	REC	90	%	74-124
VO2567-BS	127-18-4	Tetrachloroethylene	BSP	REC	100	%	74-129
VO2567-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VO2567-BS	75-01-4	Vinyl Chloride	BSP	REC	120	%	58-137
VO2567-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VO2567-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VO2567-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
VO2567-BS	2037-26-5	Toluene-D8	BSP	SURR	94	%	89-112
FA89259-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	106	%	72-136
FA89259-2MS*	67-66-3	Chloroform	MS	REC	107	%	79-124
FA89259-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	117	%	71-131
FA89259-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	115	%	79-121
FA89259-2MS*	75-09-2	Methylene Chloride	MS	REC	130	%	74-124
FA89259-2MS*	127-18-4	Tetrachloroethylene	MS	REC	115	%	74-129
FA89259-2MS*	79-01-6	Trichloroethylene	MS	REC	122	%	79-123
FA89259-2MS*	75-01-4	Vinyl Chloride	MS	REC	126	%	58-137
FA89259-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	98	%	81-118
FA89259-2MS*	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
FA89259-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	102	%	72-136
FA89259-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FA89259-2MSD*	67-66-3	Chloroform	MSD	REC	107	%	79-124
FA89259-2MSD*	67-66-3	Chloroform	MSD	RPD	0	%	20
FA89259-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	113	%	71-131
FA89259-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FA89259-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FA89259-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	3	%	20
FA89259-2MSD*	75-09-2	Methylene Chloride	MSD	REC	125	%	74-124
FA89259-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	3	%	20
FA89259-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	115	%	74-129
FA89259-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	0	%	20
FA89259-2MSD*	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA89259-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FA89259-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	126	%	58-137
FA89259-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	1	%	20
FA89259-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	99	%	81-118
FA89259-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	96	%	89-112
VO2567-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VO2567-MB	2037-26-5	Toluene-D8	MB	SURR	99	%	89-112

* Sample used for QC is not from job FA89262

QC Evaluation: DOD QSM5.x Limits

Job Number: FA89262
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/23/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA89262-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA89262-1	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112

* Sample used for QC is not from job FA89262

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2567-MB	O65367.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89262-1

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride [a]	1.1	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

(a) Suspected laboratory contaminant.

Blank Spike Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2567-BS	O65365.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89262-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.4	88	76-136
67-66-3	Chloroform	5	4.5	90	80-124
75-35-4	1,1-Dichloroethylene	5	4.5	90	78-137
540-59-0	1,2-Dichloroethene (total)	10	9.0	90	76-127
75-09-2	Methylene Chloride	5	4.5	90	69-135
127-18-4	Tetrachloroethylene	5	5.0	100	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO2567-BS	O65381.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89262-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-01-4	Vinyl Chloride	5	6.0	120	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	94%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA89259-2MS	O65382.D	5	09/24/21	CG	n/a	n/a	VO2567
FA89259-2MSD	O65383.D	5	09/24/21	CG	n/a	n/a	VO2567
FA89259-2	O65369.D	1	09/24/21	CG	n/a	n/a	VO2567

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA89262-1

CAS No.	Compound	FA89259-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	26.4	106	25	25.6	102	3	76-136/23
67-66-3	Chloroform	0.50	U	25	26.8	107	25	26.8	107	0	80-124/15
75-35-4	1,1-Dichloroethylene	0.50	U	25	29.2	117	25	28.3	113	3	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50	U	50	57.5	115	50	55.7	111	3	76-127/17
75-09-2	Methylene Chloride	2.0	U	25	32.4	130	25	31.3	125	3	69-135/16
127-18-4	Tetrachloroethylene	0.50	U	25	28.7	115	25	28.7	115	0	76-135/16
79-01-6	Trichloroethylene	0.50	U	25	30.6	122	25	29.1	116	5	81-126/15
75-01-4	Vinyl Chloride	0.10	U	25	31.4	126	25	31.6	126	1	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA89259-2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	99%	98%	74-125%
2037-26-5	Toluene-D8	95%	96%	98%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-BFB
Lab File ID: O65338.D
Instrument ID: GCMSO
Injection Date: 09/22/21
Injection Time: 15:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	81917	21.8		Pass
75	30.0 - 60.0% of mass 95	179899	47.9		Pass
95	Base peak, 100% relative abundance	375851	100.0		Pass
96	5.0 - 9.0% of mass 95	24796	6.60		Pass
173	Less than 2.0% of mass 174	2117	0.56	(0.75) [a]	Pass
174	50.0 - 100.0% of mass 95	282389	75.1		Pass
175	5.0 - 9.0% of mass 174	20370	5.42	(7.21) [a]	Pass
176	95.0 - 101.0% of mass 174	272021	72.4	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	17413	4.63	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2566-IC2566	O65339.D	09/22/21	16:00	00:23	Initial cal 1
VO2566-IC2566	O65340.D	09/22/21	16:23	00:46	Initial cal 2
VO2566-IC2566	O65341.D	09/22/21	16:46	01:09	Initial cal 3
VO2566-IC2566	O65342.D	09/22/21	17:09	01:32	Initial cal 4
VO2566-ICC2566	O65343.D	09/22/21	17:32	01:55	Initial cal 5
VO2566-IC2566	O65344.D	09/22/21	17:56	02:19	Initial cal 6
VO2566-IC2566	O65345.D	09/22/21	18:19	02:42	Initial cal 7
VO2566-ICV2566	O65347.D	09/22/21	19:06	03:29	Initial cal verification 5
VO2566-BS	O65348.D	09/22/21	19:28	03:51	Blank Spike
VO2566-MB	O65350.D	09/22/21	20:14	04:37	Method Blank
ZZZZZZ	O65351.D	09/22/21	20:37	05:00	(unrelated sample)
FA88845-9	O65352.D	09/22/21	20:59	05:22	(used for QC only; not part of job FA89262)
FA88845-9MS	O65353.D	09/22/21	21:22	05:45	Matrix Spike
FA88845-9MSD	O65354.D	09/22/21	21:45	06:08	Matrix Spike Duplicate
VO2566-ECC2566	O65355.D	09/22/21	22:09	06:32	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-BFB
Lab File ID: O65363.D
Instrument ID: GCMSO
Injection Date: 09/24/21
Injection Time: 13:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	75195	22.4		Pass
75	30.0 - 60.0% of mass 95	162293	48.3		Pass
95	Base peak, 100% relative abundance	336192	100.0		Pass
96	5.0 - 9.0% of mass 95	23016	6.85		Pass
173	Less than 2.0% of mass 174	1841	0.55	(0.73) [a]	Pass
174	50.0 - 100.0% of mass 95	250624	74.5		Pass
175	5.0 - 9.0% of mass 174	18223	5.42	(7.27) [a]	Pass
176	95.0 - 101.0% of mass 174	239403	71.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	15953	4.75	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO2567-CC2566	O65364.D	09/24/21	14:20	00:22	Continuing cal 5
VO2567-BS	O65365.D	09/24/21	14:43	00:45	Blank Spike
VO2567-MB	O65367.D	09/24/21	15:29	01:31	Method Blank
ZZZZZZ	O65368.D	09/24/21	15:52	01:54	(unrelated sample)
FA89259-2	O65369.D	09/24/21	16:15	02:17	(used for QC only; not part of job FA89262)
ZZZZZZ	O65370.D	09/24/21	16:38	02:40	(unrelated sample)
ZZZZZZ	O65371.D	09/24/21	17:02	03:04	(unrelated sample)
ZZZZZZ	O65372.D	09/24/21	17:25	03:27	(unrelated sample)
ZZZZZZ	O65373.D	09/24/21	17:49	03:51	(unrelated sample)
ZZZZZZ	O65374.D	09/24/21	18:12	04:14	(unrelated sample)
ZZZZZZ	O65375.D	09/24/21	18:35	04:37	(unrelated sample)
ZZZZZZ	O65376.D	09/24/21	18:58	05:00	(unrelated sample)
ZZZZZZ	O65377.D	09/24/21	19:21	05:23	(unrelated sample)
ZZZZZZ	O65379.D	09/24/21	20:07	06:09	(unrelated sample)
FA89262-1	O65380.D	09/24/21	20:30	06:32	2138M0BW167F
VO2567-BS	O65381.D	09/24/21	20:53	06:55	Blank Spike
FA89259-2MS	O65382.D	09/24/21	21:17	07:19	Matrix Spike
FA89259-2MSD	O65383.D	09/24/21	21:40	07:42	Matrix Spike Duplicate
VO2567-ECC2566	O65384.D	09/24/21	22:03	08:05	Ending cal 5

Internal Standard Area Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VO2567-CC2566	**Injection Date:**	09/24/21
Lab File ID:	O65364.D	**Injection Time:**	14:20
Instrument ID:	GCMSO	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	68420	10.78	50995	13.65
Check Std [b]	69579	10.78	53606	13.65
Upper Limit [c]	139158	10.95	107212	13.82
Lower Limit [d]	34790	10.61	26803	13.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VO2567-BS	71536	10.78	54522	13.65
VO2567-MB	62569	10.78	47623	13.65
ZZZZZZ	61223	10.78	46666	13.65
FA89259-2	57471	10.78	44462	13.65
ZZZZZZ	56751	10.78	43816	13.65
ZZZZZZ	56222	10.78	43804	13.65
ZZZZZZ	57890	10.78	44165	13.65
ZZZZZZ	55667	10.78	43013	13.65
ZZZZZZ	55270	10.78	42712	13.65
ZZZZZZ	56725	10.78	43433	13.65
ZZZZZZ	55916	10.78	42516	13.65
ZZZZZZ	56277	10.78	42773	13.65
ZZZZZZ	56963	10.78	43374	13.65
FA89262-1	55089	10.78	42396	13.65
VO2567-BS	55904	10.78	43596	13.65
FA89259-2MS	58080	10.78	45270	13.65
FA89259-2MSD	58210	10.78	44974	13.65
VO2567-ECC256	58956	10.78	46148	13.65

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VO2566-ICC2566 O65343.D 09/22/21 17:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA89262-1	O65380.D	105	96
FA89259-2MS	O65382.D	98	95
FA89259-2MSD	O65383.D	99	96
VO2567-BS	O65365.D	96	100
VO2567-BS	O65381.D	99	94
VO2567-MB	O65367.D	101	99

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICC2566
Lab FileID: O65343.D

Response Factor Report MSVOA12

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

Calibration Files
1 =O65339.D 2 =O65340.D 3 =O65341.D 4 =O65342.D
5 =O65343.D 6 =O65344.D 7 =O65345.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Vinyl Chloride	0.552	0.378	0.291	0.332	0.325	0.339	0.353	0.367	23.36
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
Response Ratio = 0.00000 + 0.30501 *A + 0.01181 *A^2									
3) Chloromethane	0.806	0.496	0.337	0.374	0.350	0.355	0.359	0.439	38.71
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 0.35181 *A + 0.00158 *A^2									
4) 1,1-Dichloroethen	0.572	0.663	0.637	0.716	0.694	0.751	0.804	0.691	11.04
5) Methylene Chlorid	5.215	3.787	1.047	0.851	0.901	0.811	0.835	1.921	94.30
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9926									
Response Ratio = 0.00000 + 0.91651 *A + -0.02324 *A^2									
6) trans-1,2-Dichlor	0.572	0.663	0.637	0.716	0.694	0.751	0.804	0.691	11.04
7) 1,1-Dichloroethan	0.685	0.785	0.721	0.824	0.806	0.870	0.887	0.797	9.28
8) cis-1,2-Dichloroe	0.324	0.326	0.309	0.349	0.337	0.365	0.392	0.343	8.26
9) Chloroform	0.753	0.772	0.710	0.794	0.775	0.829	0.838	0.782	5.66
10) Carbon Tetrachlor	0.400	0.446	0.438	0.477	0.483	0.521	0.561	0.475	11.34
11) 1,1,1-Trichloroet	0.505	0.580	0.557	0.620	0.617	0.658	0.696	0.605	10.55
12) Benzene	1.207	1.421	1.294	1.471	1.461	1.555	1.605	1.431	9.76
13)S 1,2-Dichloroethan	0.429	0.427	0.418	0.424	0.419	0.425	0.428	0.424	1.02
14) 1,2-Dichloroethan	0.614	0.739	0.672	0.768	0.759	0.805	0.804	0.737	9.57
15) Trichloroethene	0.341	0.409	0.386	0.451	0.433	0.468	0.488	0.425	11.93
16) 1,2-Dichloropropa	0.371	0.446	0.411	0.462	0.464	0.485	0.494	0.448	9.73
17) cis-1,3-Dichlorop	0.289	0.399	0.388	0.520	0.531	0.586	0.604	0.474	24.71
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
Response Ratio = 0.00000 + 0.47444 *A + 0.03338 *A^2									
18) I Chlorobenzene-d5	----------ISTD----------								
19)S Toluene-d8	1.151	1.188	1.168	1.148	1.136	1.128	1.131	1.150	1.88
20) trans-1,3-Dichlor	0.400	0.562	0.543	0.715	0.712	0.794	0.810	0.648	23.27
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991									
Response Ratio = 0.00000 + 0.65063 *A + 0.04139 *A^2									
21) Tetrachloroethene	0.429	0.514	0.474	0.515	0.499	0.521	0.551	0.500	7.80

(#) = Out of Range

SIMCL-09-22-2021.M Thu Sep 23 13:12:22 2021

Initial Calibration Verification

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICV2566
Lab FileID: O65347.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-22\O65347.D Vial: 11
Acq On : 22 Sep 2021 7:06 pm Operator: charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	13.429	-34.3#	134	0.00	3.49
3		Chloromethane	10.000	14.288	-42.9#	141	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.719	-4.1	100	0.00	5.45
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	8.866	11.3	83	0.00	6.50
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.719	-4.1	100	0.00	5.45
7		1,1-Dichloroethane	0.797	0.869	-9.0	104	0.00	7.95
8		cis-1,2-Dichloroethene	0.343	0.351	-2.3	101	0.00	5.45
9		Chloroform	0.782	0.796	-1.8	99	0.00	9.45
10		Carbon Tetrachloride	0.475	0.499	-5.1	100	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.631	-4.3	99	0.00	9.75
12		Benzene	1.431	1.504	-5.1	100	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.419	1.2	97	0.00	10.44
14		1,2-Dichloroethane	0.737	0.773	-4.9	99	0.00	10.52
15		Trichloroethene	0.425	0.451	-6.1	101	0.00	10.97
16		1,2-Dichloropropane	0.448	0.478	-6.7	99	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	10.065	-0.6	99	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	13.65
19	S	Toluene-d8	1.150	1.137	1.1	96	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.070	-0.7	99	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.518	-3.6	99	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2566-ICV2566
Lab FileID: O65347.D

O65343.D SIMCL-09-22-2021.M Thu Sep 23 13:12:15 2021

Continuing Calibration Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-CC2566
Lab FileID: O65364.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-24\O65364.D Vial: 3
Acq On : 24 Sep 2021 2:20 pm Operator: charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	10.049	-0.5	103	0.00	3.50
3		Chloromethane	10.000	9.826	1.7	101	0.03	3.36
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.721	-4.3	106	0.00	5.46
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.978	-19.8	116	0.00	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.721	-4.3	106	0.00	5.46
7		1,1-Dichloroethane	0.797	0.858	-7.7	108	0.00	7.96
8		cis-1,2-Dichloroethene	0.343	0.352	-2.6	106	0.00	5.46
9		Chloroform	0.782	0.820	-4.9	108	0.00	9.46
10		Carbon Tetrachloride	0.475	0.486	-2.3	102	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.619	-2.3	102	0.00	9.76
12		Benzene	1.431	1.551	-8.4	108	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.408	3.8	99	0.00	10.44
14		1,2-Dichloroethane	0.737	0.786	-6.6	105	0.00	10.53
15		Trichloroethene	0.425	0.495	-16.5	116	0.00	10.97
16		1,2-Dichloropropane	0.448	0.496	-10.7	109	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	11.318	-13.2	119	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	13.65
19	S	Toluene-d8	1.150	1.122	2.4	104	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.906	-9.1	119	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.560	-12.0	118	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-CC2566
Lab FileID: O65364.D

O65343.D SIMCL-09-22-2021.M Fri Sep 24 15:06:36 2021

Continuing Calibration Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-ECC2566
Lab FileID: O65384.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\data\2021-09-24\O65384.D Vial: 23
Acq On : 24 Sep 2021 10:03 pm Operator: charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Thu Sep 23 13:06:39 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	86	0.00	10.78
			Amount	Calc.	%Drift			
2		Vinyl Chloride	10.000	11.608	-16.1	102	0.00	3.49
3		Chloromethane	10.000	10.460	-4.6	92	0.00	3.33
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.691	0.834	-20.7	104	0.00	5.46
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	13.095	-31.0	107	0.01	6.51
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.691	0.834	-20.7	104	0.00	5.46
7		1,1-Dichloroethane	0.797	0.935	-17.3	100	0.00	7.96
8		cis-1,2-Dichloroethene	0.343	0.403	-17.5	103	0.00	5.46
9		Chloroform	0.782	0.887	-13.4	99	0.00	9.46
10		Carbon Tetrachloride	0.475	0.530	-11.6	95	0.00	9.66
11		1,1,1-Trichloroethane	0.605	0.679	-12.2	95	0.00	9.76
12		Benzene	1.431	1.667	-16.5	98	0.00	10.27
13	S	1,2-Dichloroethane-d4	0.424	0.421	0.7	87	0.00	10.44
14		1,2-Dichloroethane	0.737	0.852	-15.6	97	0.00	10.53
15		Trichloroethene	0.425	0.547	-28.7	109	0.00	10.97
16		1,2-Dichloropropane	0.448	0.536	-19.6	99	0.00	11.53
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	11.405	-14.0	102	0.00	12.77
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00	13.65
19	S	Toluene-d8	1.150	1.081	6.0	86	0.00	12.37
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	10.835	-8.4	102	0.00	12.77
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.500	0.586	-17.2	106	0.00	12.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VO2567-ECC2566
Lab FileID: O65384.D

O65343.D SIMCL-09-22-2021.M Mon Sep 27 09:02:22 2021

Run Sequence Report

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2566 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2566-BFB	O65338.D	09/22/21 15:37	n/a	BFB Tune
VO2566-IC2566	O65339.D	09/22/21 16:00	n/a	Initial cal 1
VO2566-IC2566	O65340.D	09/22/21 16:23	n/a	Initial cal 2
VO2566-IC2566	O65341.D	09/22/21 16:46	n/a	Initial cal 3
VO2566-IC2566	O65342.D	09/22/21 17:09	n/a	Initial cal 4
VO2566-ICC2566	O65343.D	09/22/21 17:32	n/a	Initial cal 5
VO2566-IC2566	O65344.D	09/22/21 17:56	n/a	Initial cal 6
VO2566-IC2566	O65345.D	09/22/21 18:19	n/a	Initial cal 7
VO2566-ICV2566	O65347.D	09/22/21 19:06	n/a	Initial cal verification 5
VO2566-BS	O65348.D	09/22/21 19:28	n/a	Blank Spike
VO2566-MB	O65350.D	09/22/21 20:14	n/a	Method Blank
ZZZZZZ	O65351.D	09/22/21 20:37	n/a	(unrelated sample)
FA88845-9	O65352.D	09/22/21 20:59	n/a	(used for QC only; not part of job FA89262)
FA88845-9MS	O65353.D	09/22/21 21:22	n/a	Matrix Spike
FA88845-9MSD	O65354.D	09/22/21 21:45	n/a	Matrix Spike Duplicate
VO2566-ECC2566	O65355.D	09/22/21 22:09	n/a	Ending cal 5

Run Sequence Report

Job Number: FA89262
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VO2567 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSO

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VO2567-BFB	O65363.D	09/24/21 13:58	n/a	BFB Tune
VO2567-CC2566	O65364.D	09/24/21 14:20	n/a	Continuing cal 5
VO2567-BS	O65365.D	09/24/21 14:43	n/a	Blank Spike
VO2567-MB	O65367.D	09/24/21 15:29	n/a	Method Blank
ZZZZZZ	O65368.D	09/24/21 15:52	n/a	(unrelated sample)
FA89259-2	O65369.D	09/24/21 16:15	n/a	(used for QC only; not part of job FA89262)
ZZZZZZ	O65370.D	09/24/21 16:38	n/a	(unrelated sample)
ZZZZZZ	O65371.D	09/24/21 17:02	n/a	(unrelated sample)
ZZZZZZ	O65372.D	09/24/21 17:25	n/a	(unrelated sample)
ZZZZZZ	O65373.D	09/24/21 17:49	n/a	(unrelated sample)
ZZZZZZ	O65374.D	09/24/21 18:12	n/a	(unrelated sample)
ZZZZZZ	O65375.D	09/24/21 18:35	n/a	(unrelated sample)
ZZZZZZ	O65376.D	09/24/21 18:58	n/a	(unrelated sample)
ZZZZZZ	O65377.D	09/24/21 19:21	n/a	(unrelated sample)
ZZZZZZ	O65379.D	09/24/21 20:07	n/a	(unrelated sample)
FA89262-1	O65380.D	09/24/21 20:30	n/a	2138M0BW167F
VO2567-BS	O65381.D	09/24/21 20:53	n/a	Blank Spike
FA89259-2MS	O65382.D	09/24/21 21:17	n/a	Matrix Spike
FA89259-2MSD	O65383.D	09/24/21 21:40	n/a	Matrix Spike Duplicate
VO2567-ECC2566	O65384.D	09/24/21 22:03	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/27/21 14:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:55:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

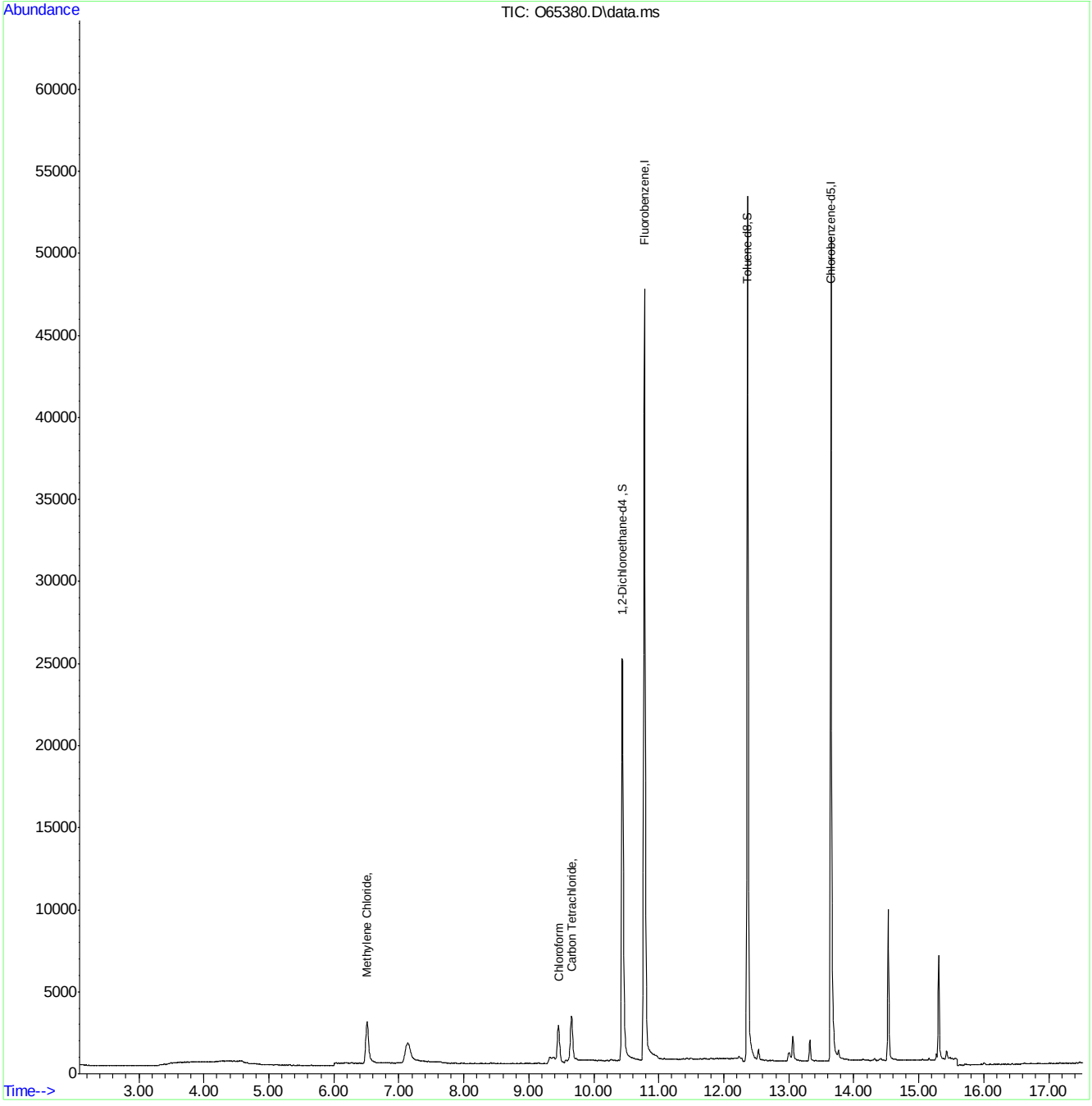
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55089	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	42396	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	24455	5.23	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.60%			
19) Toluene-d8	12.367	98	46969	4.82	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.40%			
Target Compounds						Qvalue
5) Methylene Chloride	6.506	49	3280	0.33	ug/L	83
9) Chloroform	9.456	83	2636m	0.31	ug/L	
10) Carbon Tetrachloride	9.657	117	2521m	0.48	ug/L	

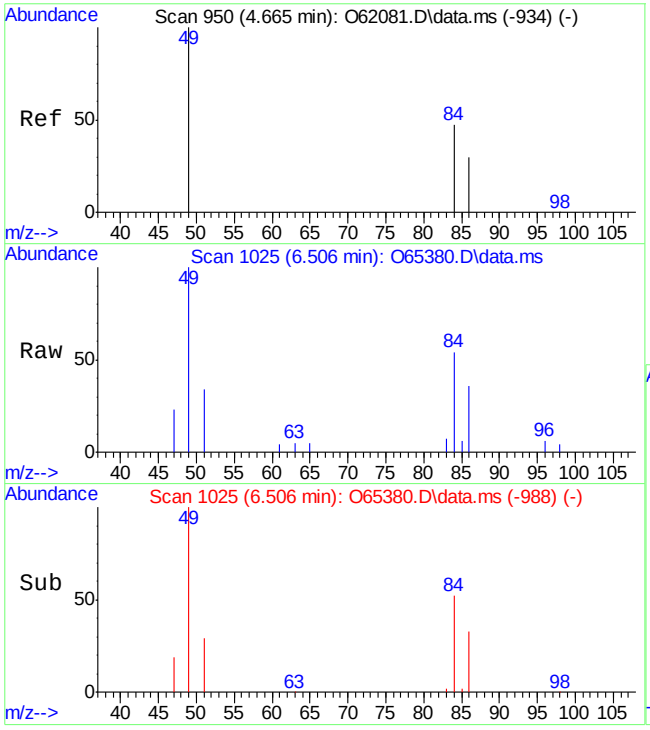
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:55:02 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

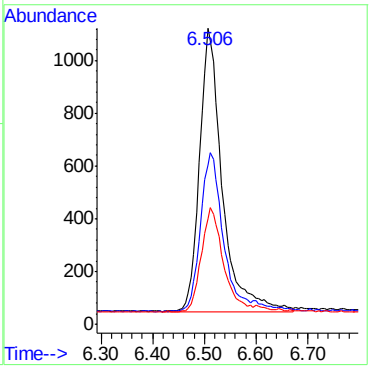


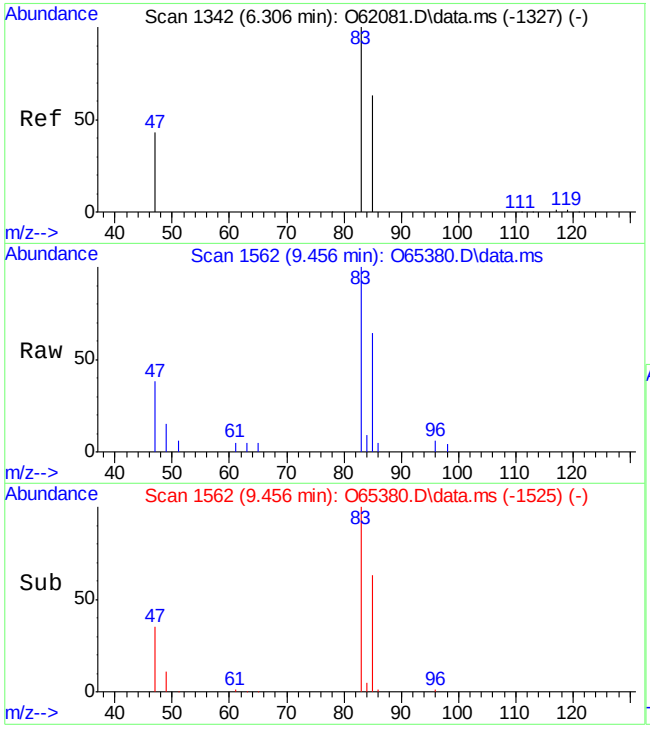


#5
Methylene Chloride
Concen: 0.33 ug/L
RT: 6.506 min Scan# 1025
Delta R.T. 0.005 min
Lab File: O65380.D
Acq: 24 Sep 2021 8:30 pm

Tgt Ion: 49 Resp: 3280

Ion	Ratio	Lower	Upper
49	100		
84	51.8	35.5	95.5
86	32.8	12.8	72.8

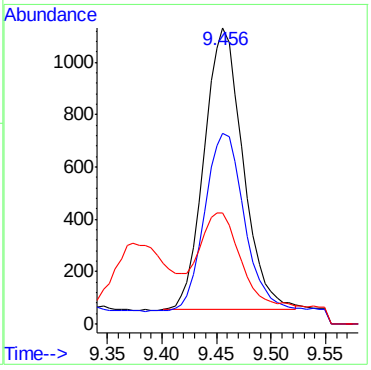


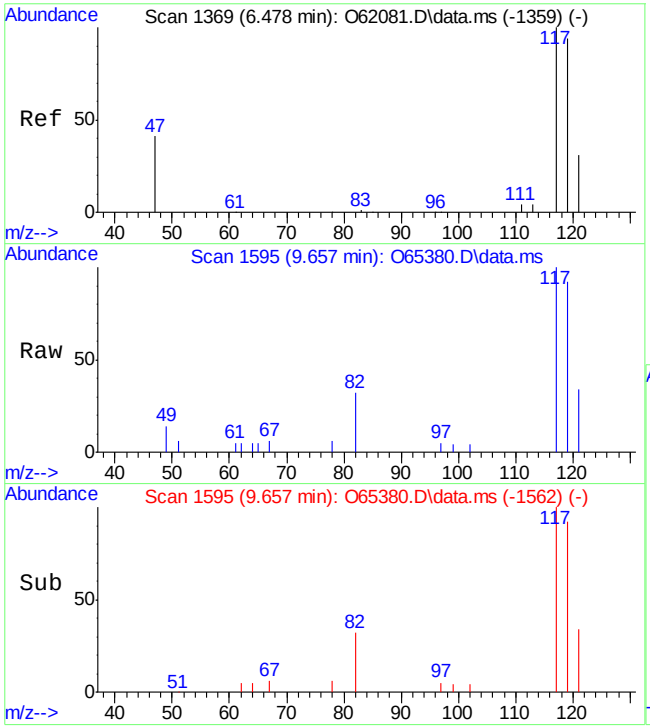


#9
Chloroform
Concen: 0.31 ug/L m
RT: 9.456 min Scan# 1562
Delta R.T. 0.006 min
Lab File: O65380.D
Acq: 24 Sep 2021 8:30 pm

Tgt Ion: 83 Resp: 2636

Ion	Ratio	Lower	Upper
83	100		
85	64.5	33.7	93.7
47	37.5	5.1	65.1

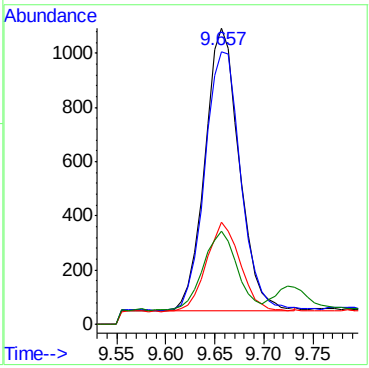




#10
Carbon Tetrachloride
Concen: 0.48 ug/L m
RT: 9.657 min Scan# 1595
Delta R.T. -0.000 min
Lab File: O65380.D
Acq: 24 Sep 2021 8:30 pm

Tgt Ion:117 Resp: 2521

Ion	Ratio	Lower	Upper
117	100		
119	92.1	68.2	128.2
121	34.4	1.1	61.1
82	31.5	0.0	54.2



Manual Integration Approval Summary

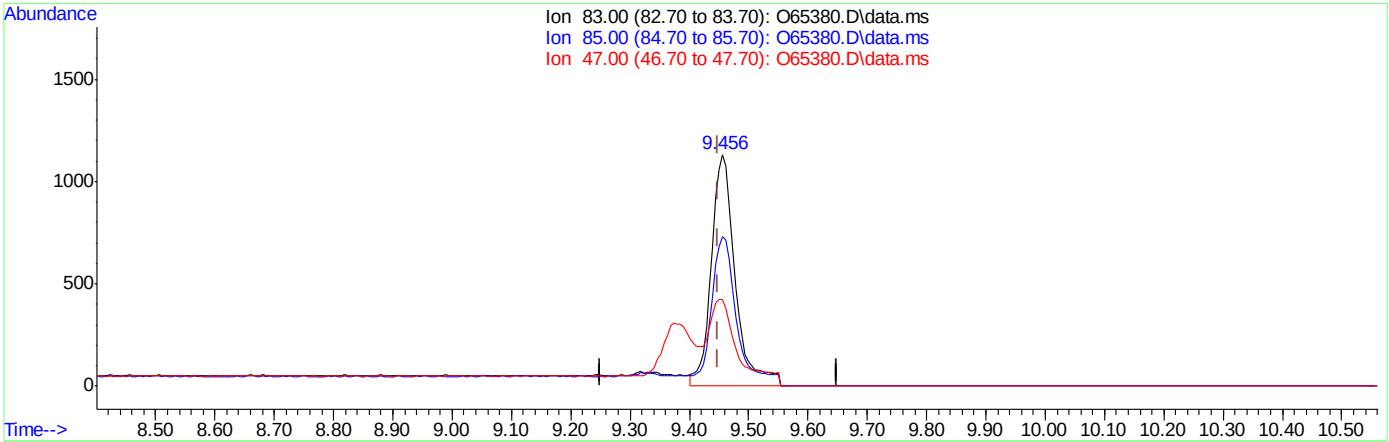
Sample Number: FA89262-1
Lab FileID: O65380.D
Injection Time: 09/24/21 20:30
Method: SW846 8260B BY SIM
Analyst approved: 09/27/21 09:42 Charlene Gonzalez
Supervisor approved: 09/27/21 14:16 Chelsea VanDenBurg

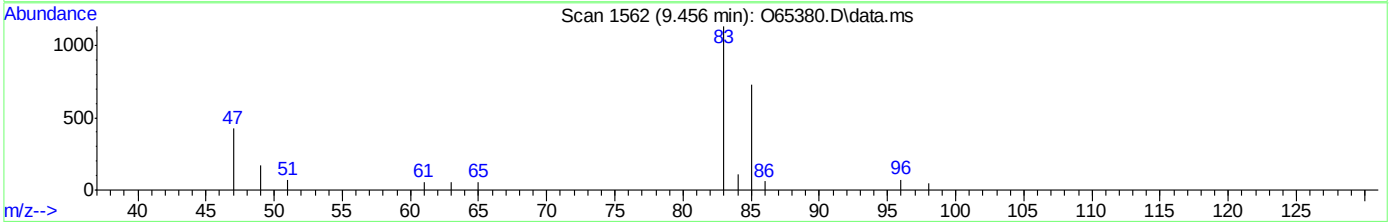
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.46	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.66	Poorly defined baseline

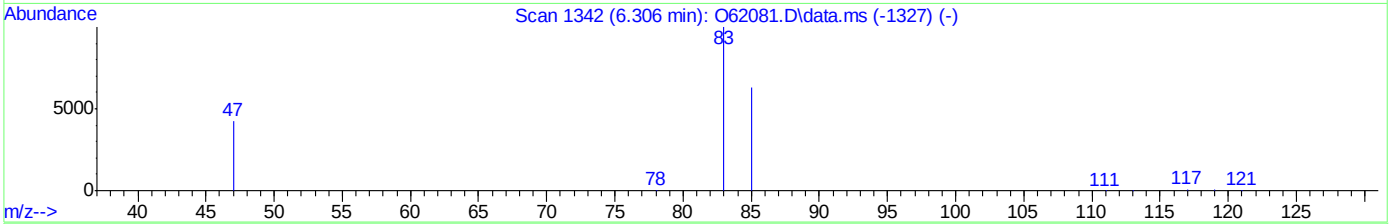
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:49:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration







TIC: O65380.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.37ug/L

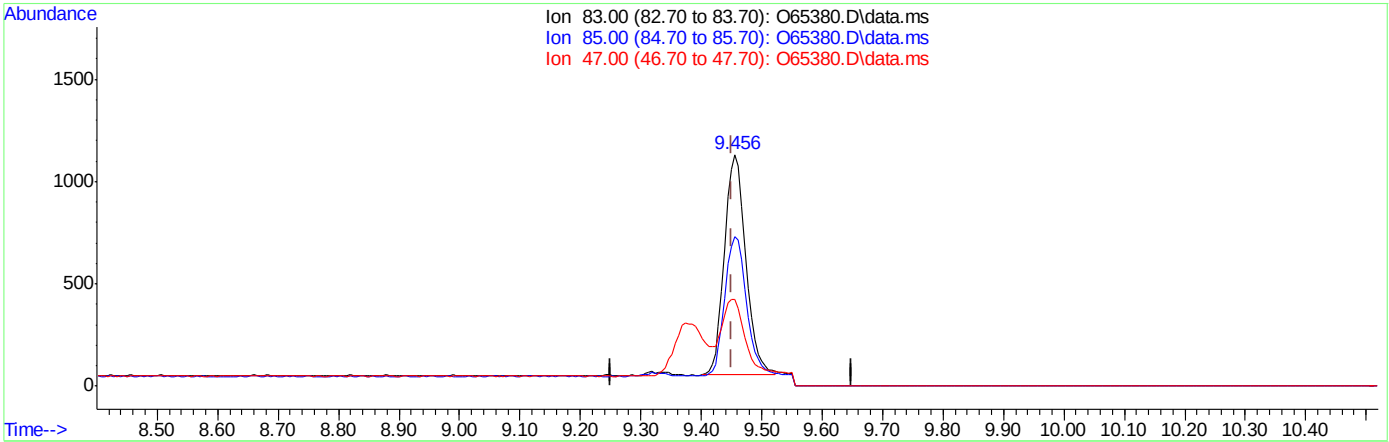
response 3174

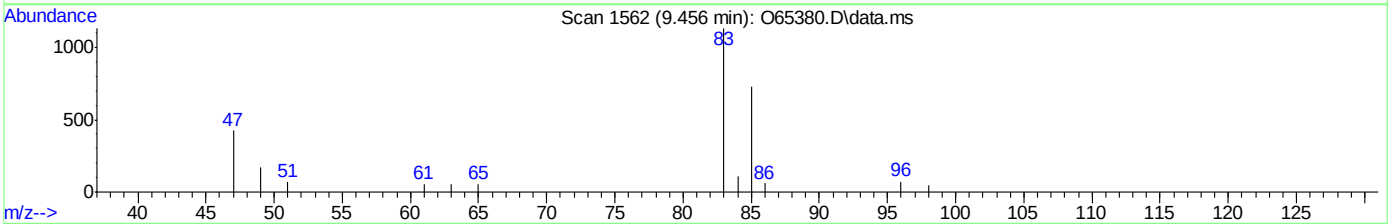
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.49
47.00	35.10	37.54
0.00	0.00	0.00

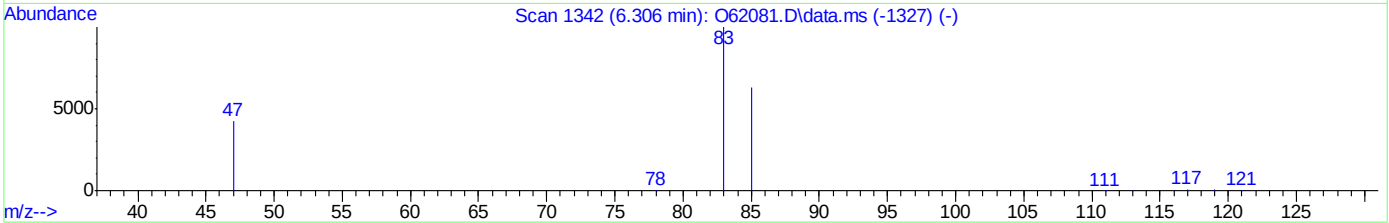
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:49:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration







TIC: O65380.D\data.ms

(9) Chloroform

9.456min (+0.006) 0.31ug/L m

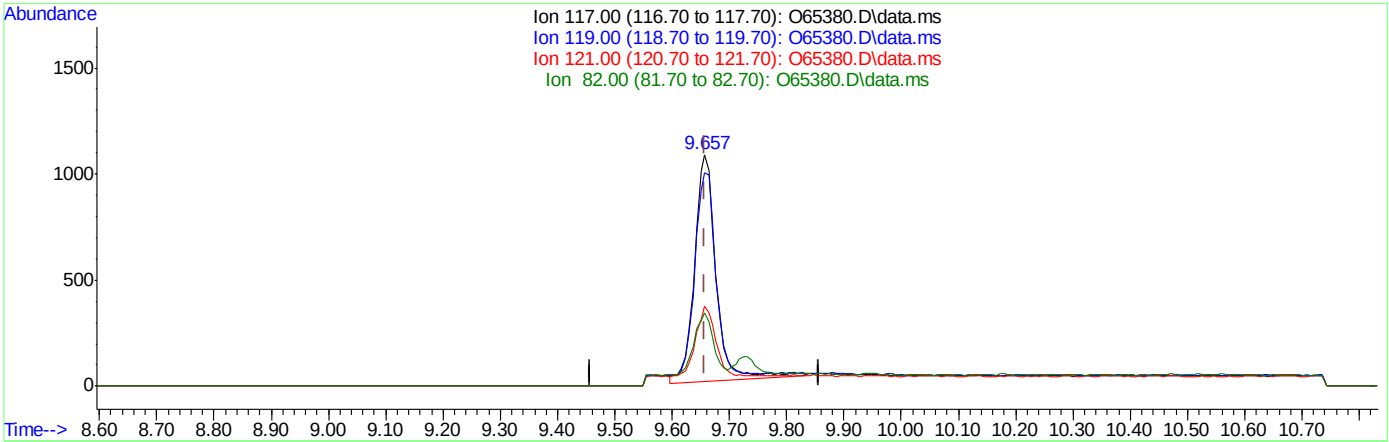
response 2636

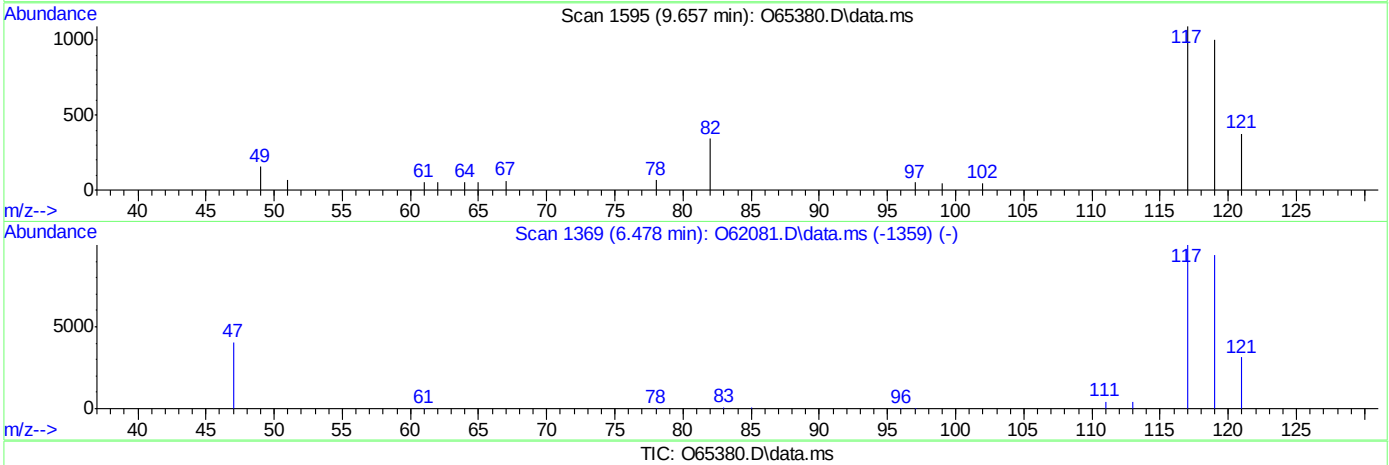
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	64.49
47.00	35.10	37.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:49:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration





TIC: O65380.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.54ug/L

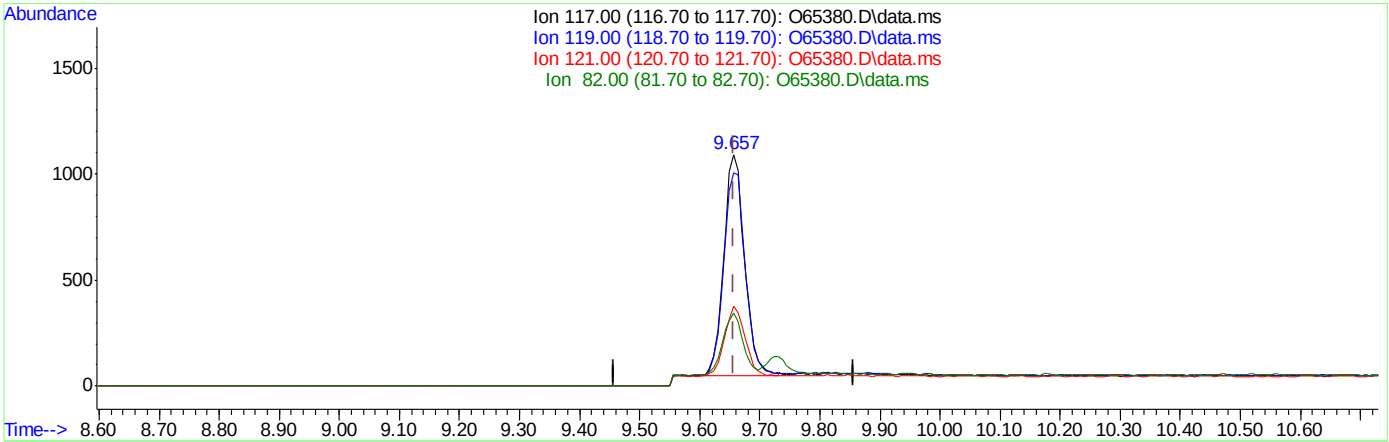
response 2838

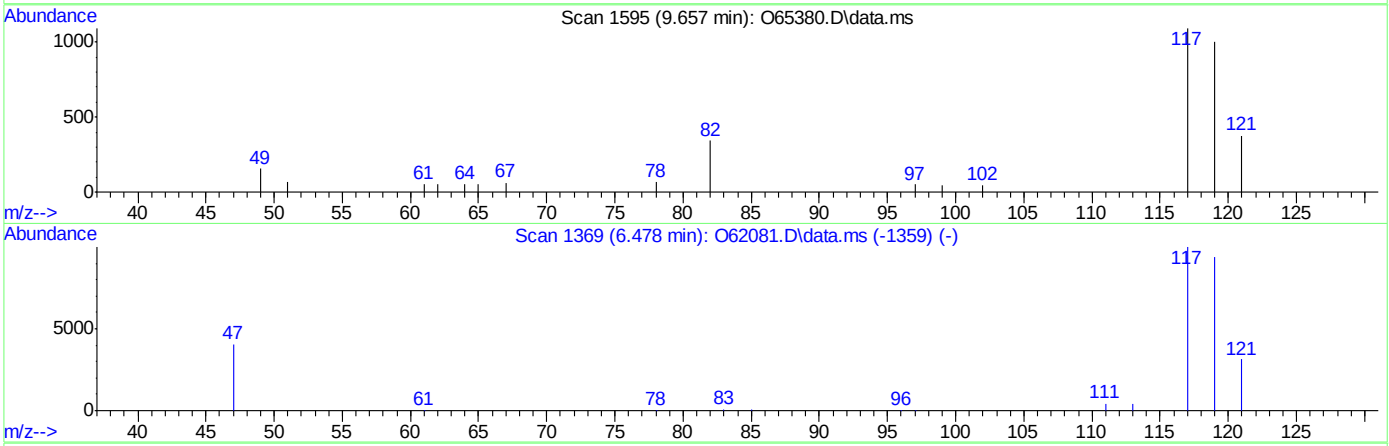
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	91.56
121.00	31.10	31.54
82.00	24.20	27.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65380.D
Acq On : 24 Sep 2021 8:30 pm
Operator : charleng
Sample : fa89262-1 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 08:49:04 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration





TIC: O65380.D\data.ms

(10) Carbon Tetrachloride ( )

9.657min (-0.000) 0.48ug/L m

response 2521

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	92.12
121.00	31.10	34.43
82.00	24.20	31.50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65367.D
Acq On : 24 Sep 2021 3:29 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 08:49:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

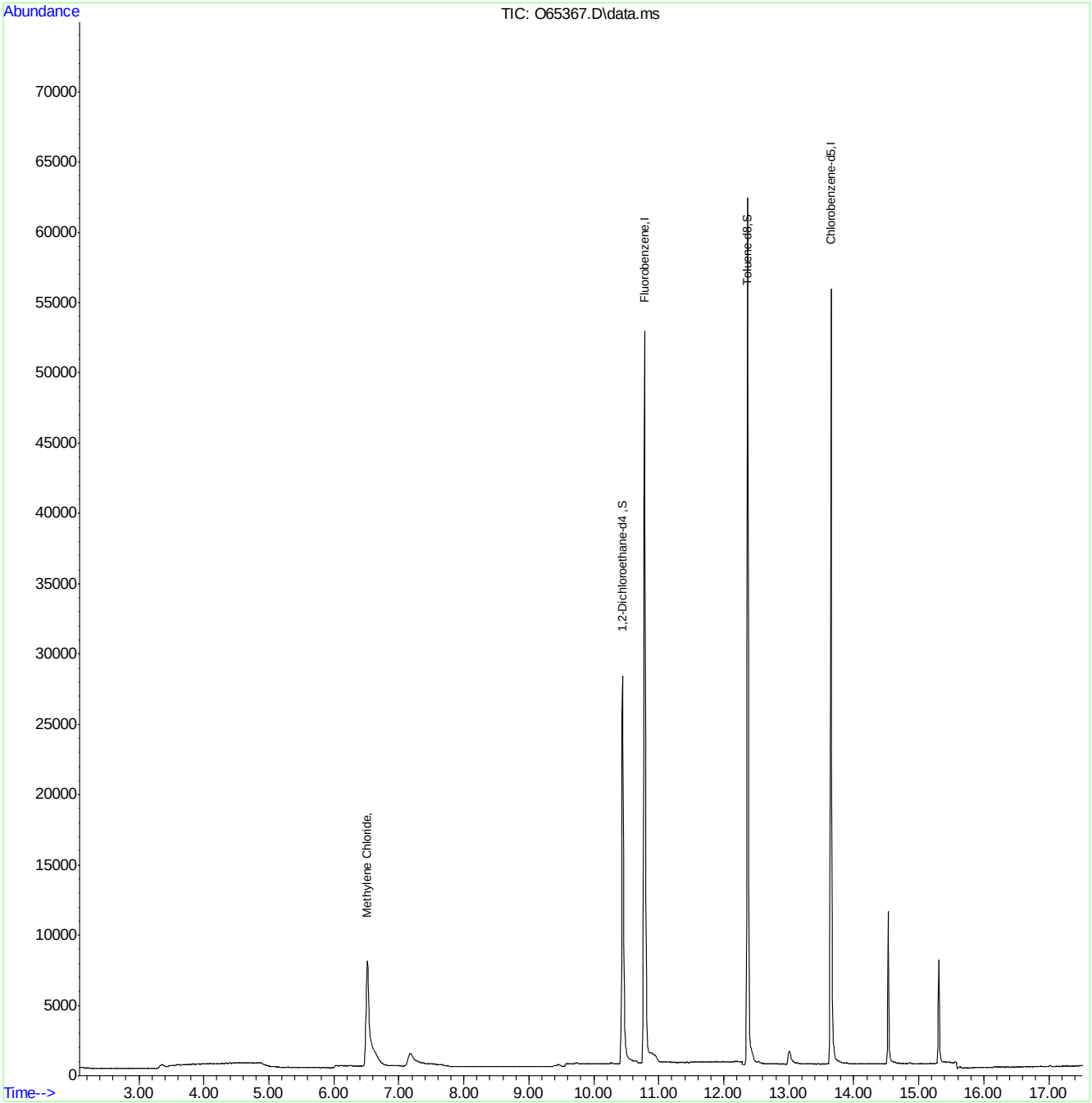
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.784	96	62569	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47623	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	26719	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	12.367	98	54021	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
5) Methylene Chloride	6.512	49	12098	1.06	ug/L	90

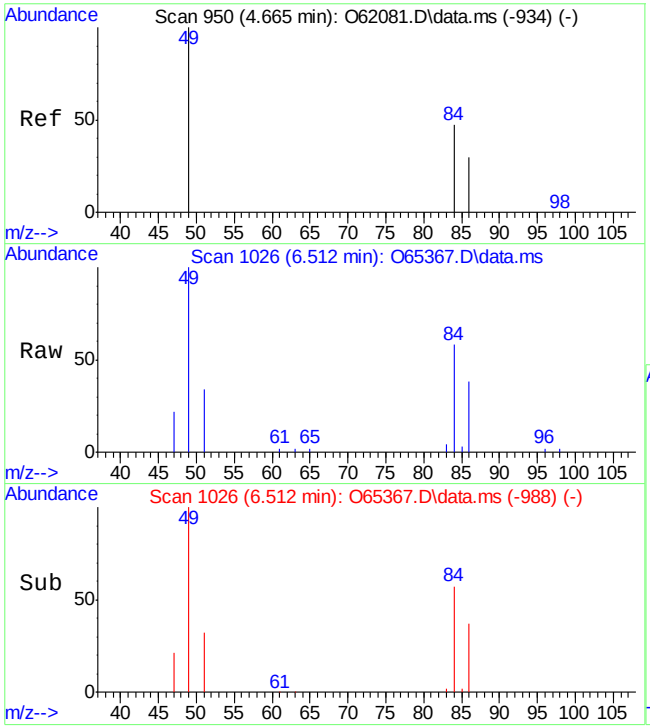
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65367.D
Acq On : 24 Sep 2021 3:29 pm
Operator : charleng
Sample : mb Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 08:49:38 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

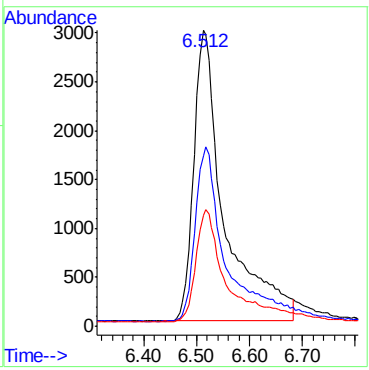




#5
Methylene Chloride
Concen: 1.06 ug/L
RT: 6.512 min Scan# 1026
Delta R.T. 0.011 min
Lab File: O65367.D
Acq: 24 Sep 2021 3:29 pm

Tgt Ion: 49 Resp: 12098

Ion	Ratio	Lower	Upper
49	100		
84	56.8	35.5	95.5
86	36.8	12.8	72.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65365.D
Acq On : 24 Sep 2021 2:43 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 09:17:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

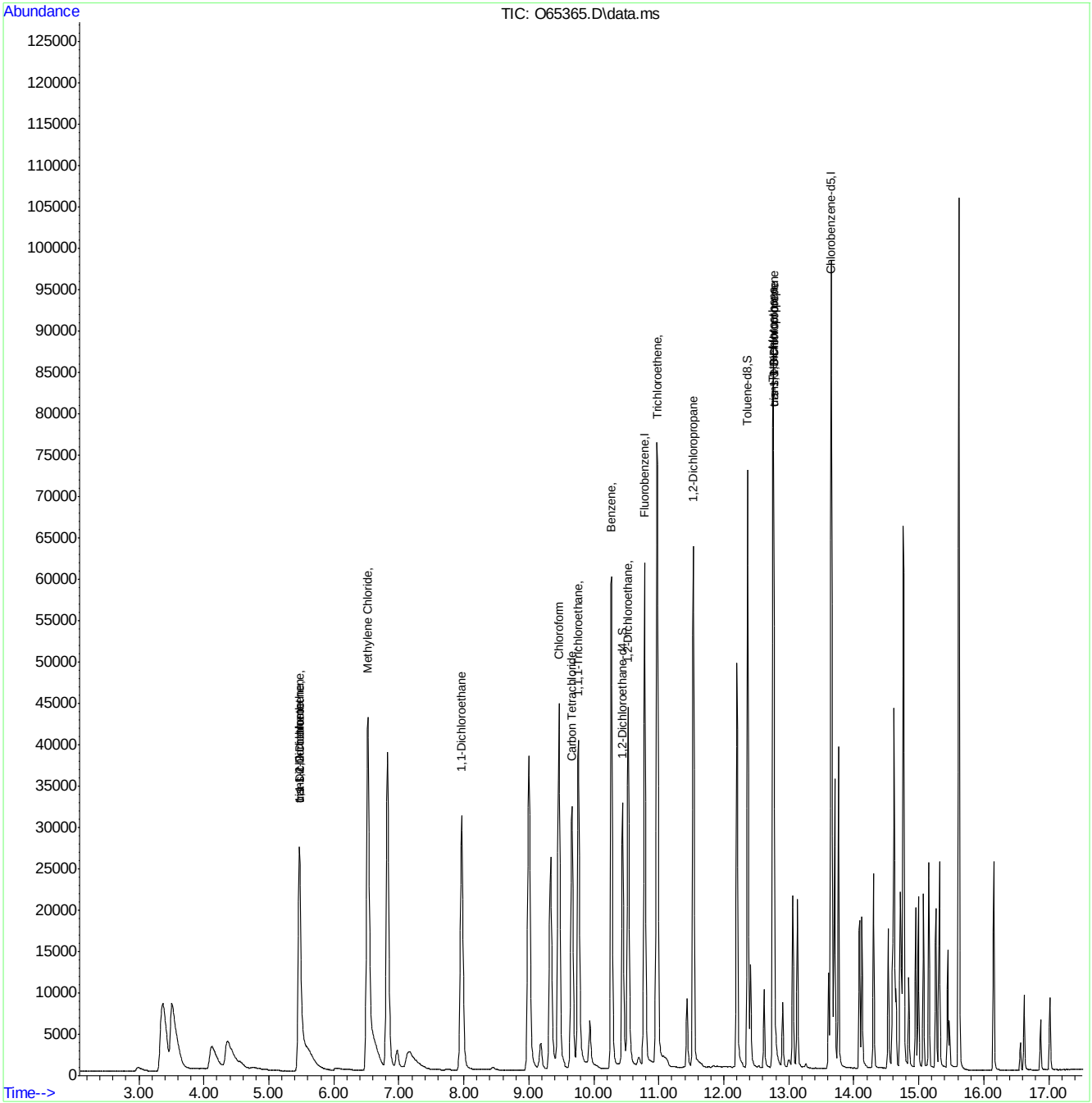
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.784	96	71536	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	54522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.444	65	29150	4.80	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 96.00%			
19) Toluene-d8	12.367	98	62817	5.01	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 100.20%			
Target Compounds						Qvalue
4) 1,1-Dichloroethene	5.469	61	44791	4.53	ug/L	82
5) Methylene Chloride	6.523	49	58282	4.55	ug/L	94
6) trans-1,2-Dichloroethene	5.469	61	44791	4.53	ug/L	78
7) 1,1-Dichloroethane	7.967	63	55827	4.90	ug/L	99
8) cis-1,2-Dichloroethene	5.469	96	21759	4.43	ug/L	90
9) Chloroform	9.461	83	50519	4.52	ug/L	97
10) Carbon Tetrachloride	9.663	117	29602	4.36	ug/L	98
11) 1,1,1-Trichloroethane	9.765	97	38225	4.42	ug/L	96
12) Benzene	10.274	78	96452	4.71	ug/L	99
14) 1,2-Dichloroethane	10.525	62	47309	4.49	ug/L	90
15) Trichloroethene	10.980	95	31543	5.18	ug/L	96
16) 1,2-Dichloropropane	11.531	63	30918	4.83	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	37000	5.09	ug/L	96
20) trans-1,3-Dichloropropene	12.769	75	36949	4.90	ug/L	95
21) Tetrachloroethene	12.752	166	27178	4.98	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65365.D
Acq On : 24 Sep 2021 2:43 pm
Operator : charleng
Sample : bs Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 09:17:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65381.D
Acq On : 24 Sep 2021 8:53 pm
Operator : charleng
Sample : bs2 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 27 09:17:36 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

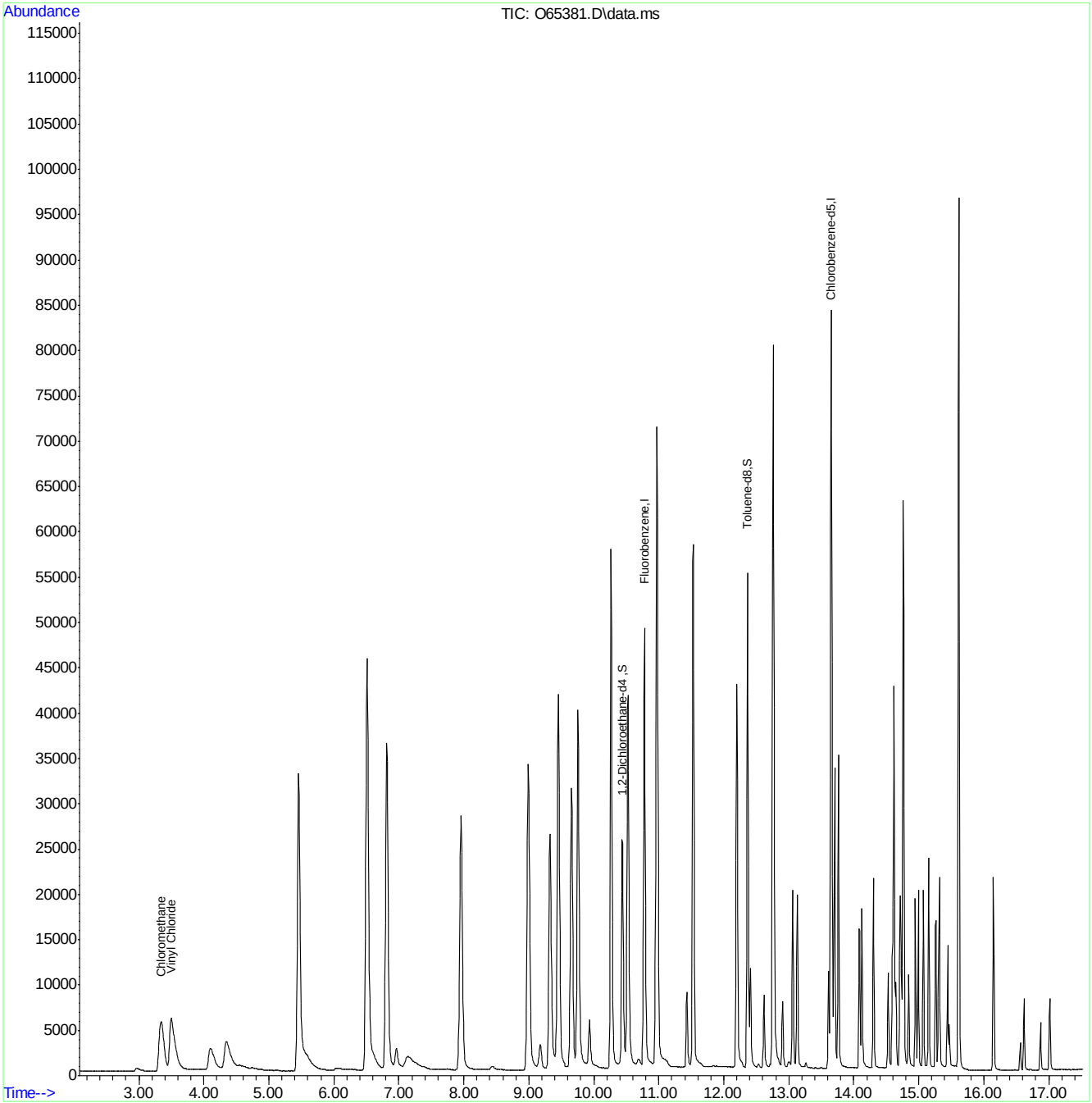
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	55904	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	43596	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	23509	4.95	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.00%			
19) Toluene-d8	12.367	98	47323	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	21564	6.04	ug/L	99
3) Chloromethane	3.339	50	20799	5.26	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65381.D
Acq On : 24 Sep 2021 8:53 pm
Operator : charleng
Sample : bs2 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 27 09:17:36 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65382.D
Acq On : 24 Sep 2021 9:17 pm
Operator : charleng
Sample : fa89259-2ms Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 27 08:49:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

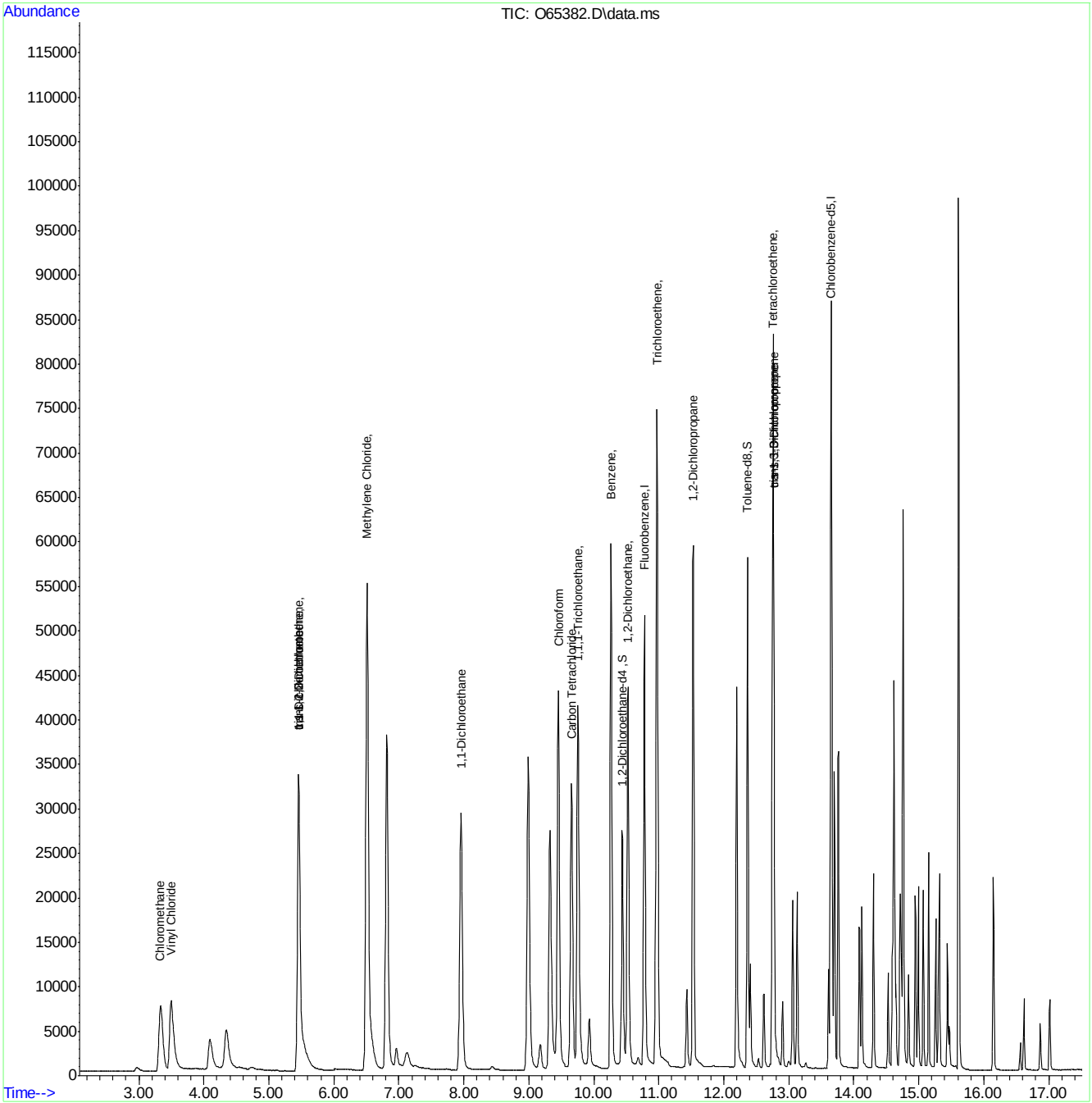
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58080	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	45270	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24268	4.92	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.40%			
19) Toluene-d8	12.367	98	49560	4.76	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	23358	6.29	ug/L	99
3) Chloromethane	3.330	50	22500	5.48	ug/L	97
4) 1,1-Dichloroethene	5.456	61	46828	5.83	ug/L	81
5) Methylene Chloride	6.512	49	66812	6.49	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	46828	5.83	ug/L	78
7) 1,1-Dichloroethane	7.956	63	51384	5.55	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	22589	5.67	ug/L	91
9) Chloroform	9.456	83	48705	5.36	ug/L	96
10) Carbon Tetrachloride	9.657	117	29188	5.29	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	38612	5.50	ug/L	95
12) Benzene	10.267	78	91468	5.50	ug/L	99
14) 1,2-Dichloroethane	10.525	62	45879	5.36	ug/L	90
15) Trichloroethene	10.974	95	30220	6.12	ug/L	95
16) 1,2-Dichloropropane	11.531	63	29248	5.62	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	30995	5.24	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	30995	4.95	ug/L	95
21) Tetrachloroethene	12.752	166	25968	5.73	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65382.D
Acq On : 24 Sep 2021 9:17 pm
Operator : charleng
Sample : fa89259-2ms Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 27 08:49:08 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65383.D
Acq On : 24 Sep 2021 9:40 pm
Operator : charleng
Sample : fa89259-2msd Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 27 08:49:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

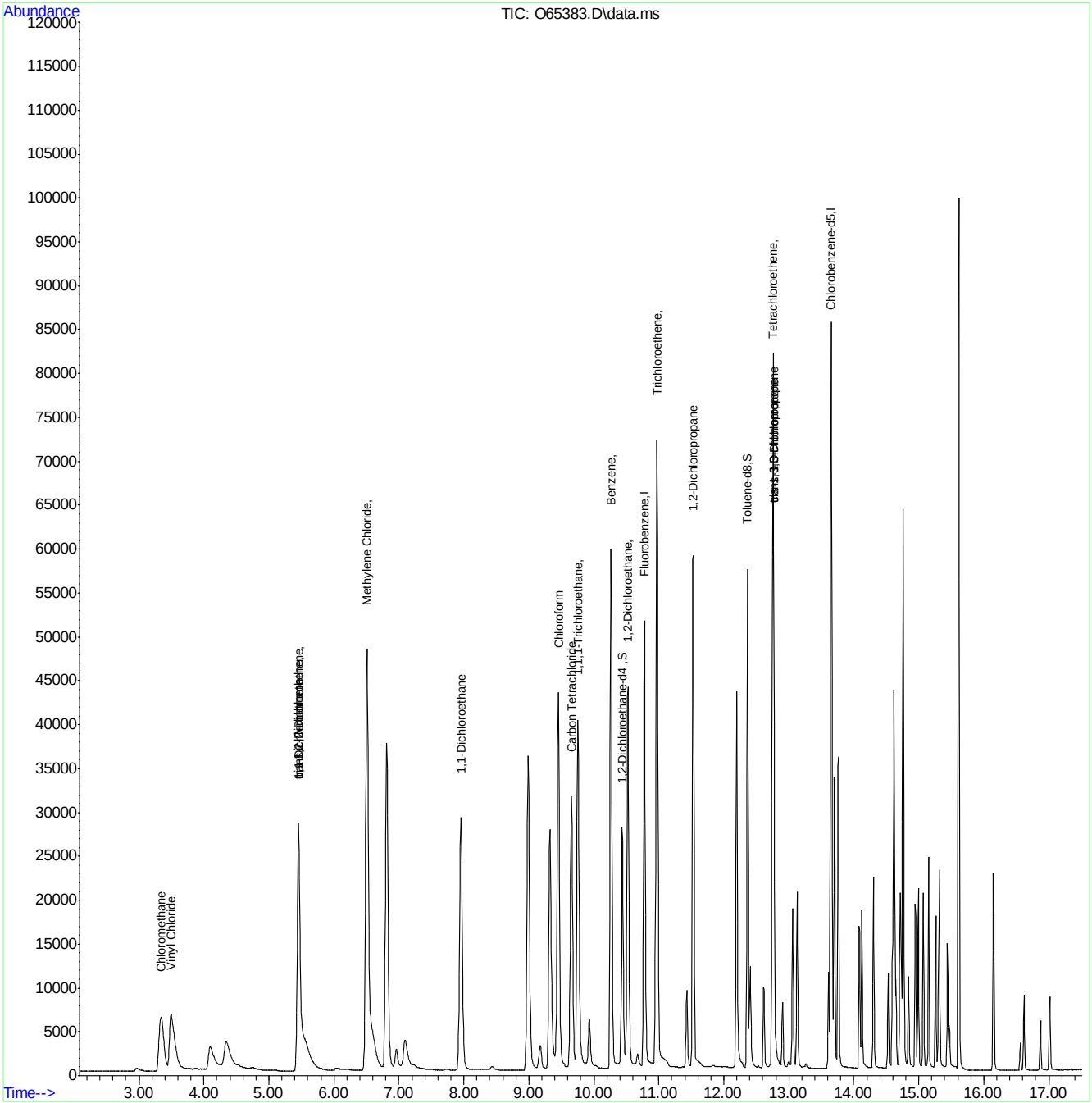
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58210	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	44974	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24373	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	49519	4.79	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	23564	6.33	ug/L	98
3) Chloromethane	3.343	50	23246	5.65	ug/L	97
4) 1,1-Dichloroethene	5.456	61	45497	5.65	ug/L	82
5) Methylene Chloride	6.506	49	64734	6.27	ug/L	90
6) trans-1,2-Dichloroethene	5.456	61	45497	5.65	ug/L	78
7) 1,1-Dichloroethane	7.956	63	51620	5.56	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	21926	5.49	ug/L	91
9) Chloroform	9.456	83	48703	5.35	ug/L	97
10) Carbon Tetrachloride	9.656	117	28296	5.12	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	37454	5.32	ug/L	95
12) Benzene	10.267	78	91642	5.50	ug/L	99
14) 1,2-Dichloroethane	10.525	62	45605	5.31	ug/L	90
15) Trichloroethene	10.974	95	28801	5.82	ug/L	96
16) 1,2-Dichloropropane	11.531	63	29289	5.62	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	30493	5.15	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	30493	4.90	ug/L	94
21) Tetrachloroethene	12.752	166	25840	5.74	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65383.D
Acq On : 24 Sep 2021 9:40 pm
Operator : charleng
Sample : fa89259-2msd Inst : MSVOA12
Misc : MS49861,VO2567,,,,,5
ALS Vial : 22 Sample Multiplier: 1

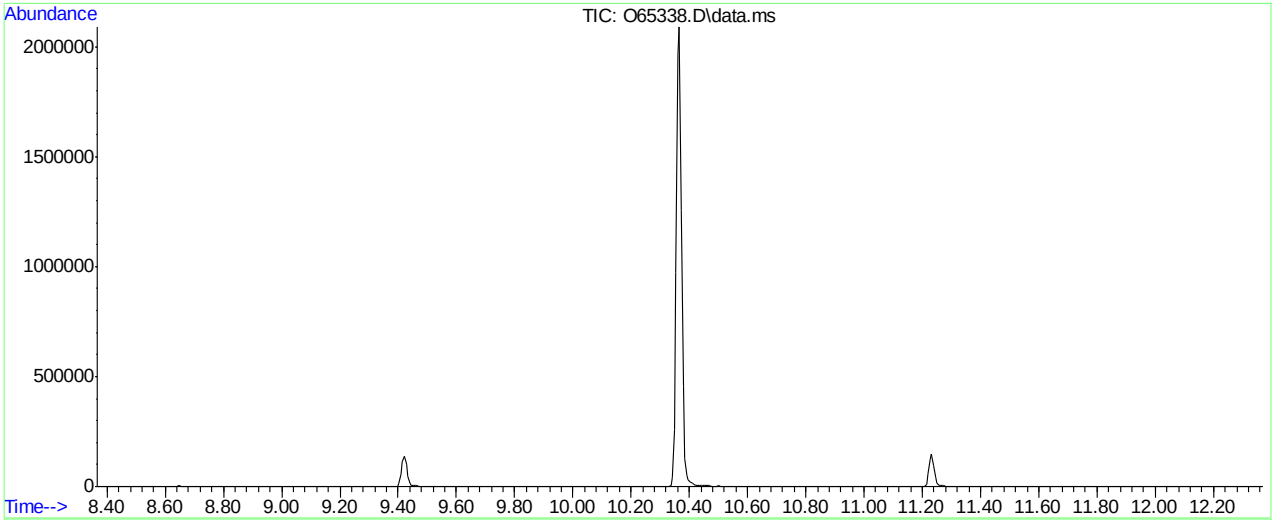
Quant Time: Sep 27 08:49:10 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

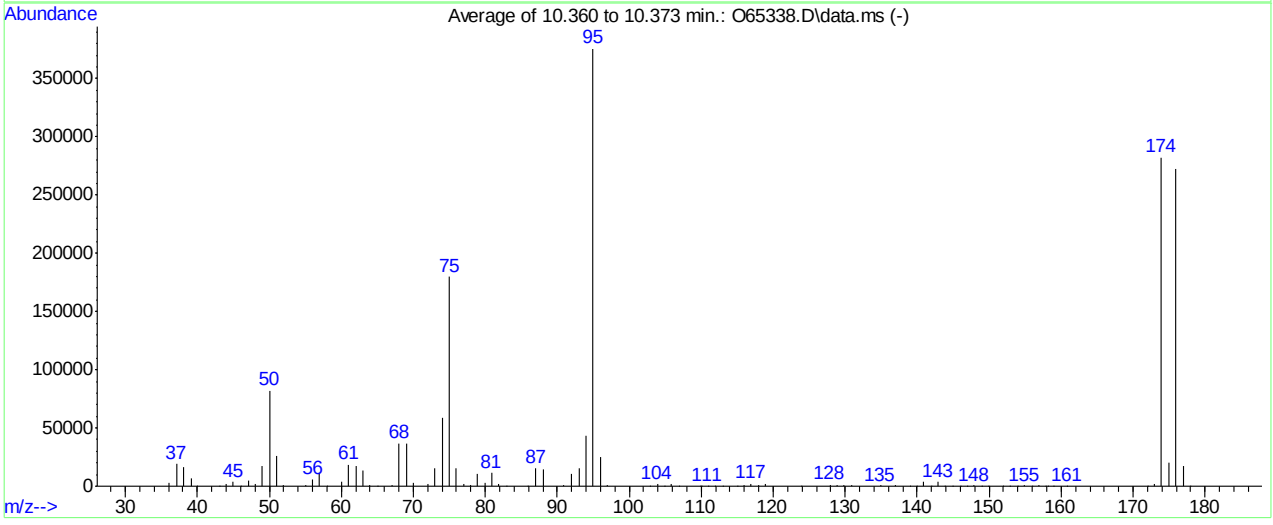


Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-22\O65338.D Vial: 2
Acq On : 22 Sep 2021 3:37 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49750,VO2566,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-13-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

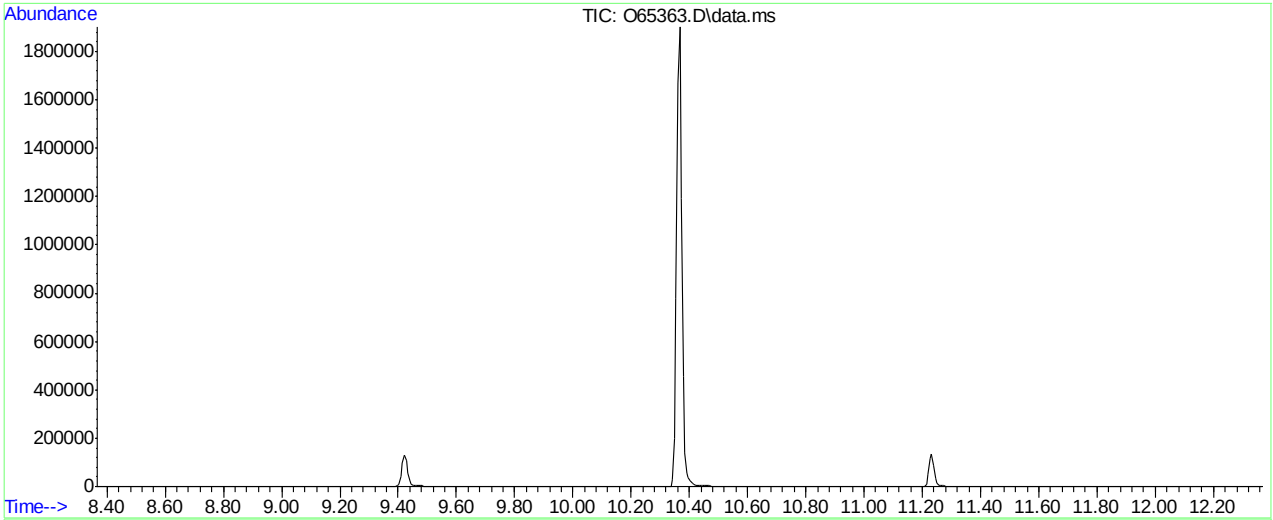
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	81917	PASS
75	95	30	60	47.9	179899	PASS
95	95	100	100	100.0	375851	PASS
96	95	5	9	6.6	24796	PASS
173	174	0.00	2	0.7	2117	PASS
174	95	50	100	75.1	282389	PASS
175	174	5	9	7.2	20370	PASS
176	174	95	101	96.3	272021	PASS
177	176	5	9	6.4	17413	PASS

O65338.D SIMCL-09-13-2021.M Thu Sep 23 12:26:51 2021

Methods: SW-846 8260B

Data File : C:\msdchem\2\data\2021-09-24\O65363.D Vial: 2
Acq On : 24 Sep 2021 1:58 pm Operator: charleng
Sample : bfb Inst : MSVOA12
Misc : MS49750,VO2567,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\2\met...MCL-09-22-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 701, 702, 703; Background Corrected with Scan 694

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	75195	PASS
75	95	30	60	48.3	162293	PASS
95	95	100	100	100.0	336192	PASS
96	95	5	9	6.8	23016	PASS
173	174	0.00	2	0.7	1841	PASS
174	95	50	100	74.5	250624	PASS
175	174	5	9	7.3	18223	PASS
176	174	95	101	95.5	239403	PASS
177	176	5	9	6.7	15953	PASS

O65363.D SIMCL-09-22-2021.M Fri Sep 24 15:07:03 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/23/21 14:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:03:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration

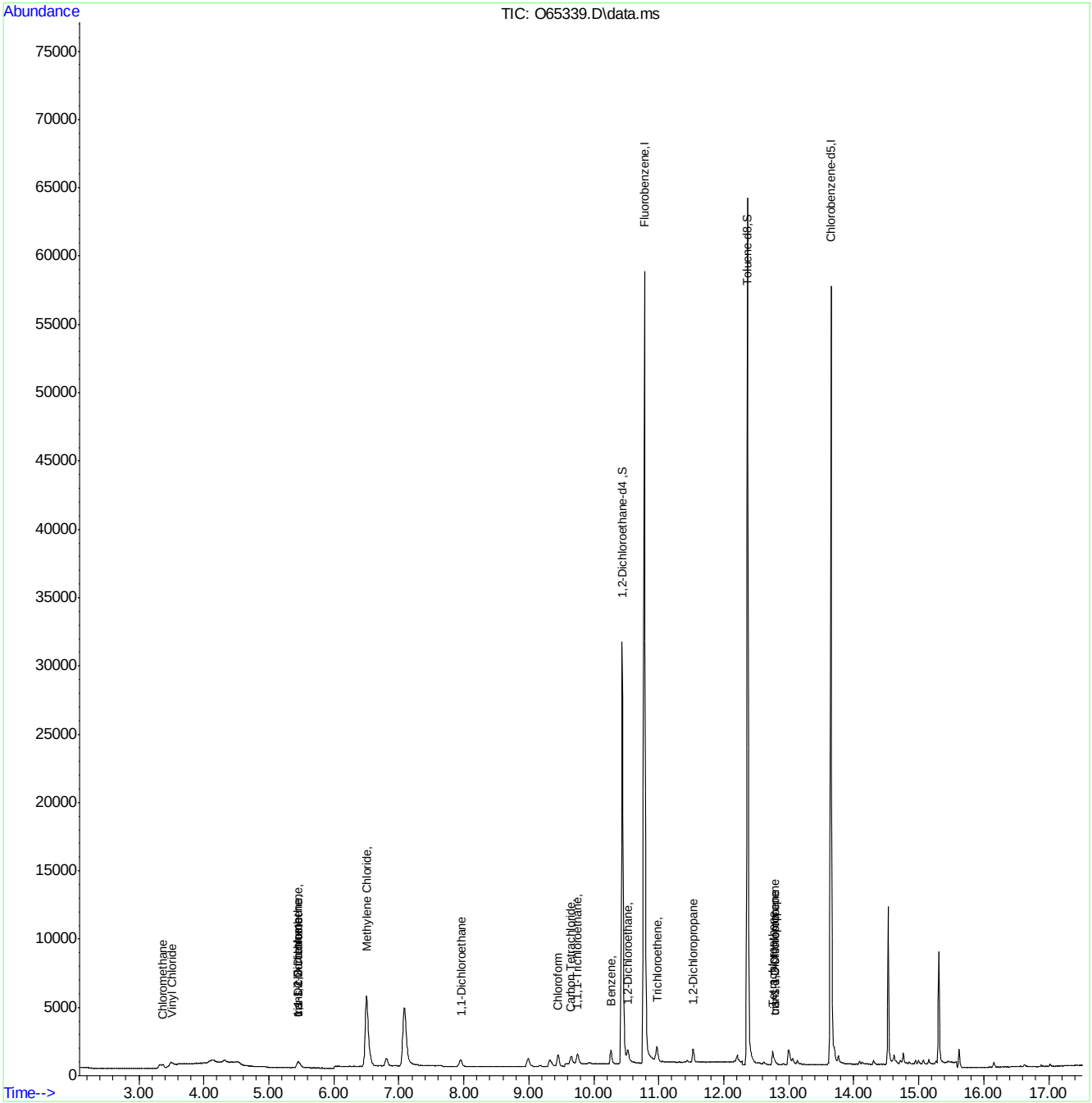
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	67341	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48673	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28870	5.06	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.20%			
19) Toluene-d8	12.367	98	56013	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	744	0.07	ug/L	91
3) Chloromethane	3.364	50	1085m	0.06	ug/L	
4) 1,1-Dichloroethene	5.452	61	771	0.05	ug/L	83
5) Methylene Chloride	6.501	49	7023	0.27	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	771	0.05	ug/L	79
7) 1,1-Dichloroethane	7.956	63	922	0.06	ug/L	97
8) cis-1,2-Dichloroethene	5.448	96	436	0.06	ug/L #	70
9) Chloroform	9.450	83	1014m	0.07	ug/L	
10) Carbon Tetrachloride	9.650	117	539m	0.06	ug/L	
11) 1,1,1-Trichloroethane	9.752	97	680	0.06	ug/L	93
12) Benzene	10.267	78	1626	0.06	ug/L	98
14) 1,2-Dichloroethane	10.518	62	827	0.06	ug/L	88
15) Trichloroethene	10.974	95	459	0.05	ug/L	99
16) 1,2-Dichloropropane	11.531	63	499	0.06	ug/L	89
17) cis-1,3-Dichloropropene	12.780	75	389	0.04	ug/L	95
20) trans-1,3-Dichloropropene	12.780	75	389	0.04	ug/L	92
21) Tetrachloroethene	12.752	166	418	0.05	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:03:05 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration



Manual Integration Approval Summary

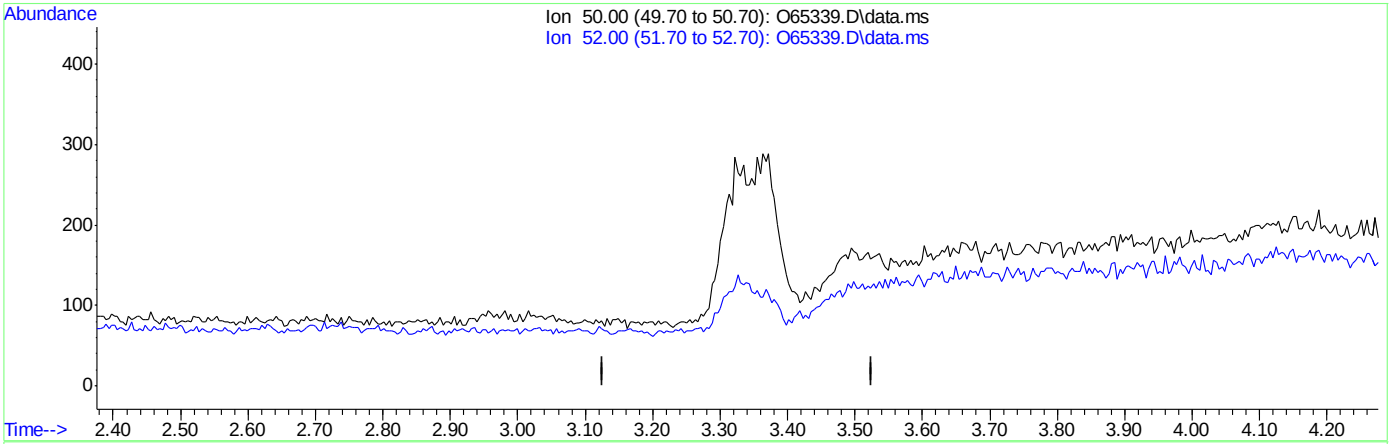
Sample Number: VO2566-IC2566
Lab FileID: O65339.D
Injection Time: 09/22/21 16:00
Method: SW846 8260B BY SIM
Analyst approved: 09/23/21 13:24 Charlene Gonzalez
Supervisor approved: 09/23/21 14:04 Sean Pioro

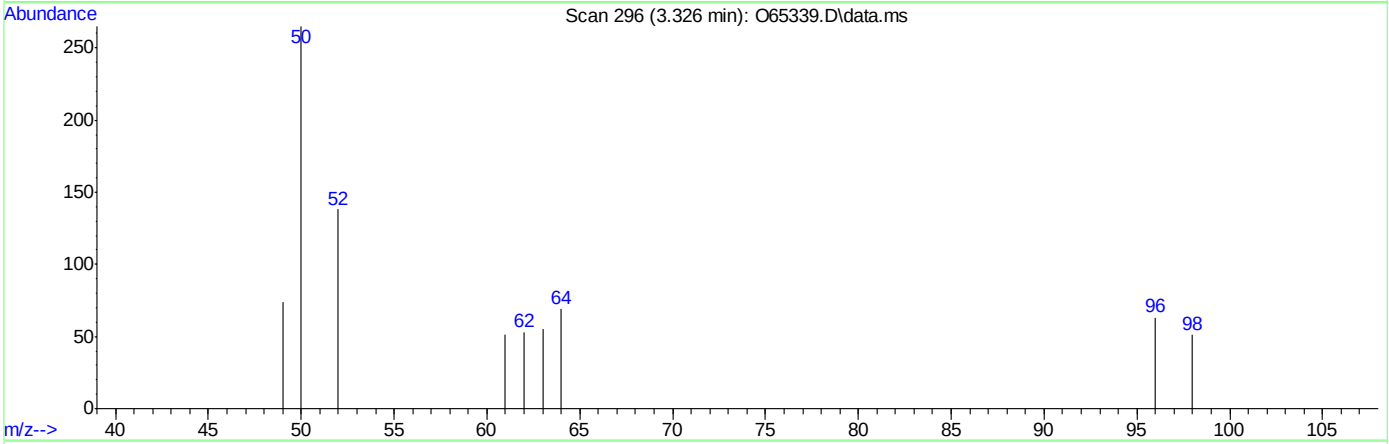
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.36	Missed peak
Chloroform	67-66-3		9.45	Poorly defined baseline
Carbon Tetrachloride	56-23-5		9.65	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(3) Chloromethane

3.326min (-3.326) 0.00ug/L

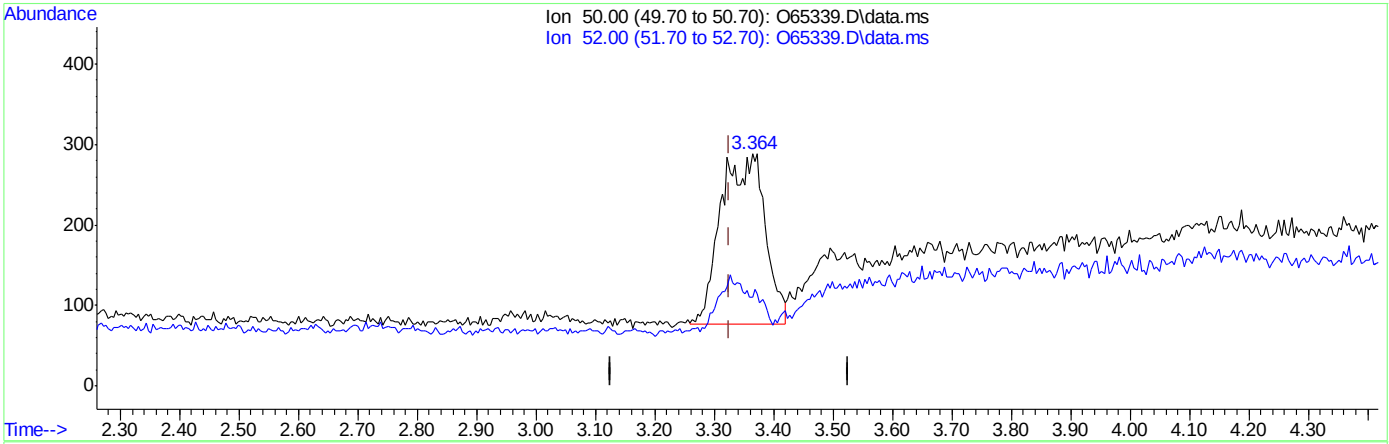
response 0

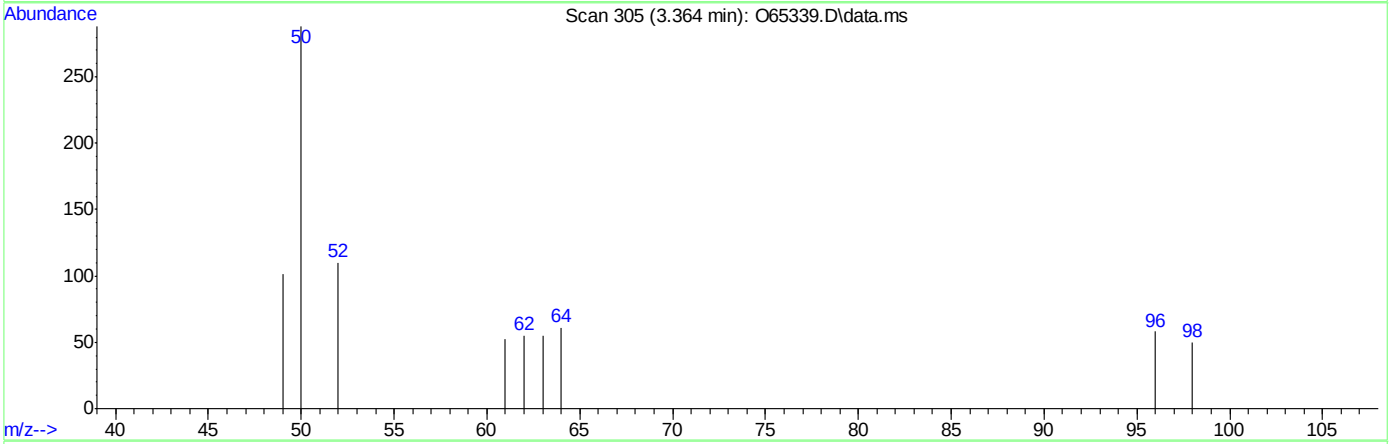
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(3) Chloromethane

3.364min (+0.038) 0.06ug/L m

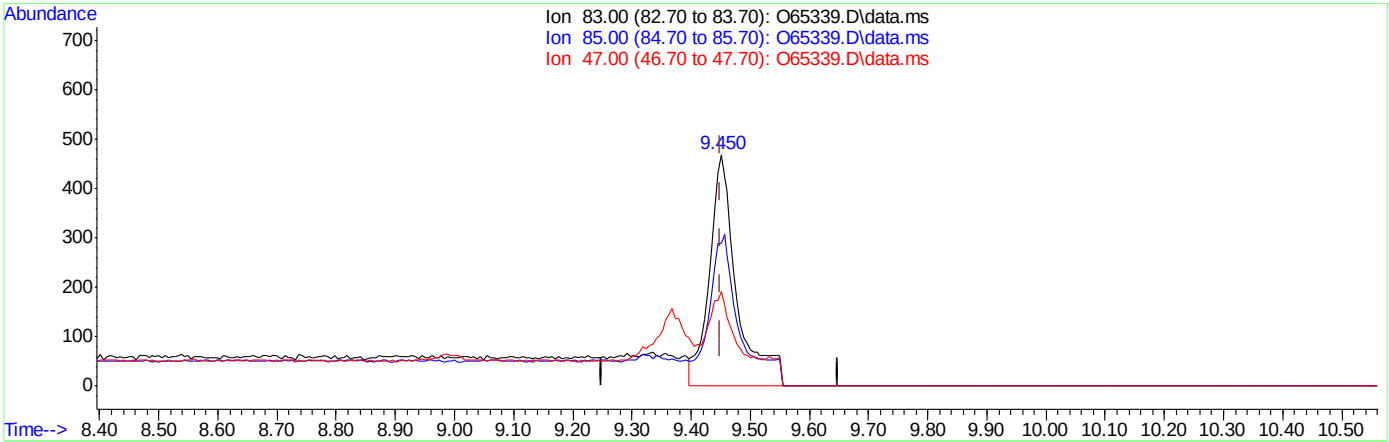
response 1085

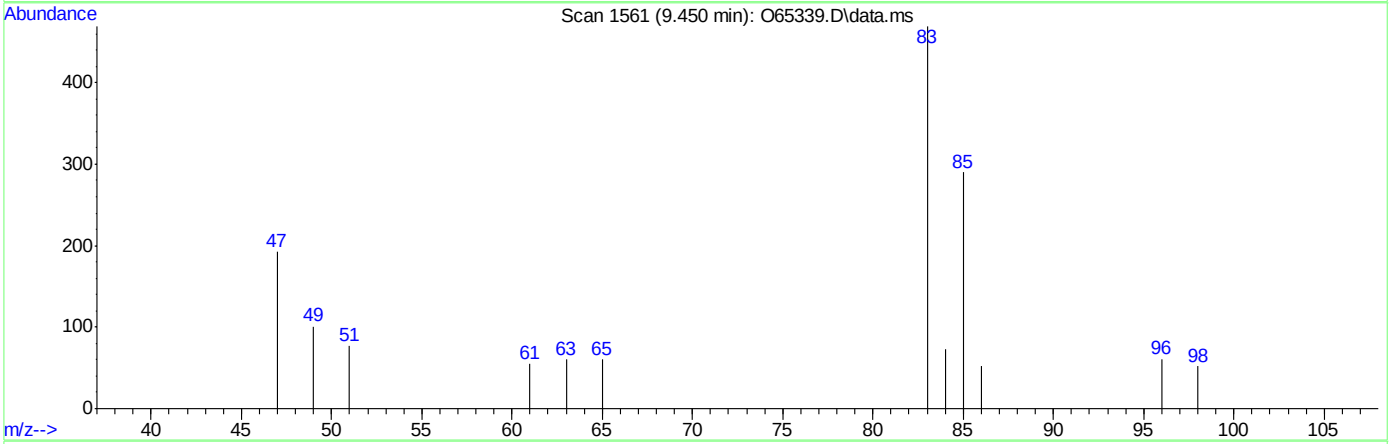
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	38.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.10ug/L

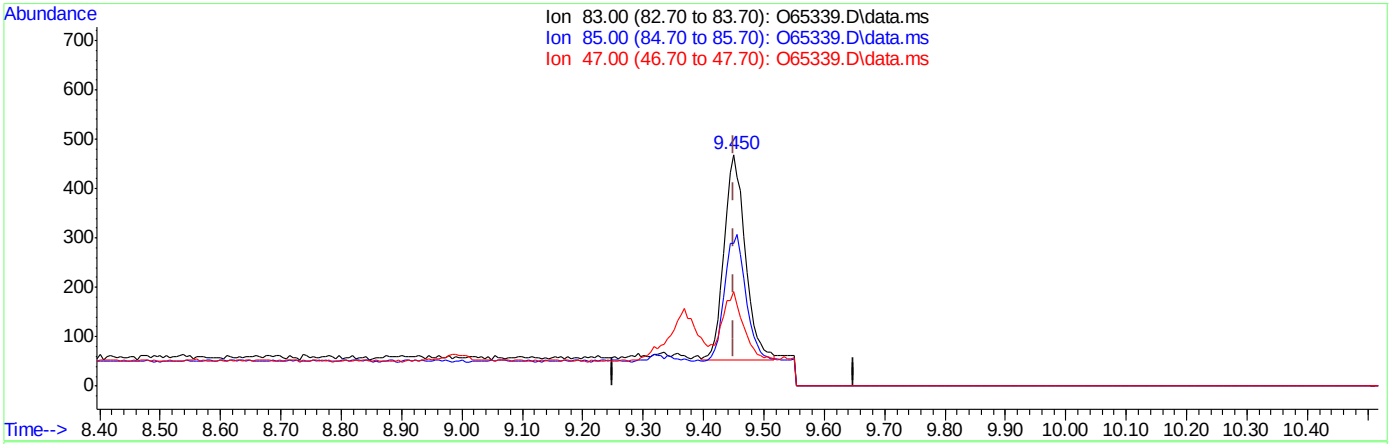
response 1533

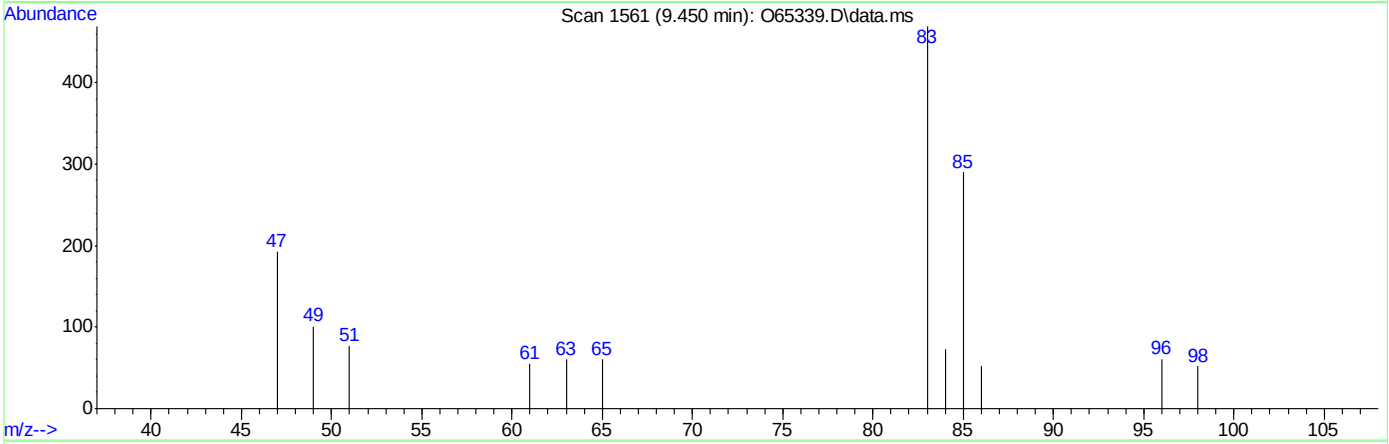
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.83
47.00	35.10	40.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.07ug/L m

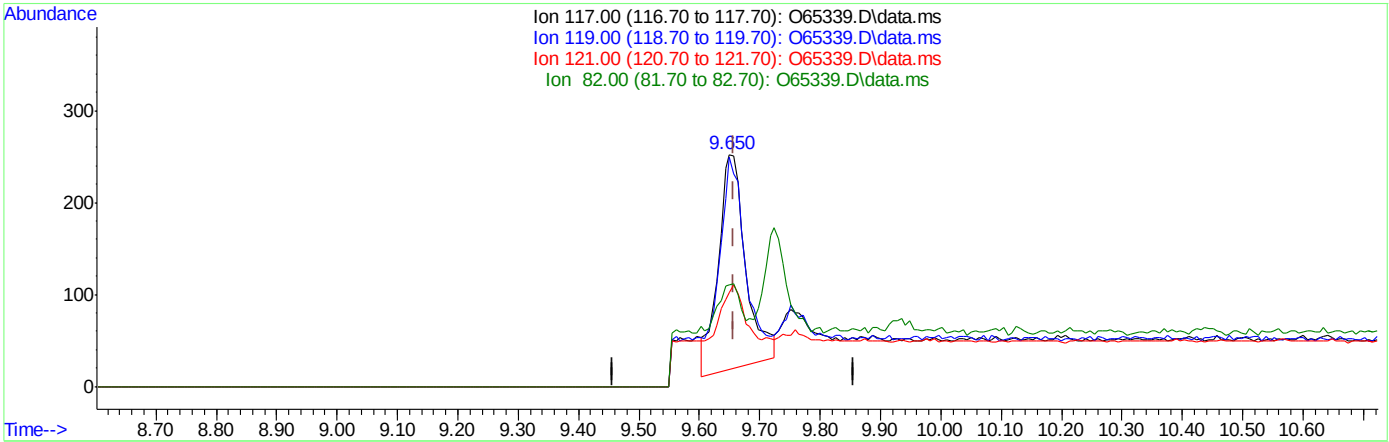
response 1014

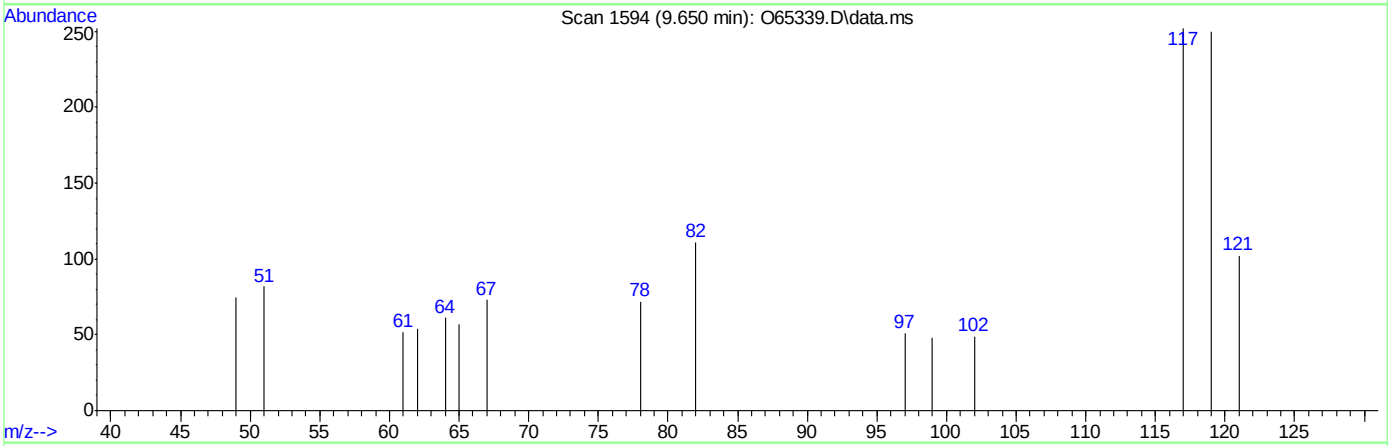
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	61.83
47.00	35.10	40.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.007) 0.08ug/L

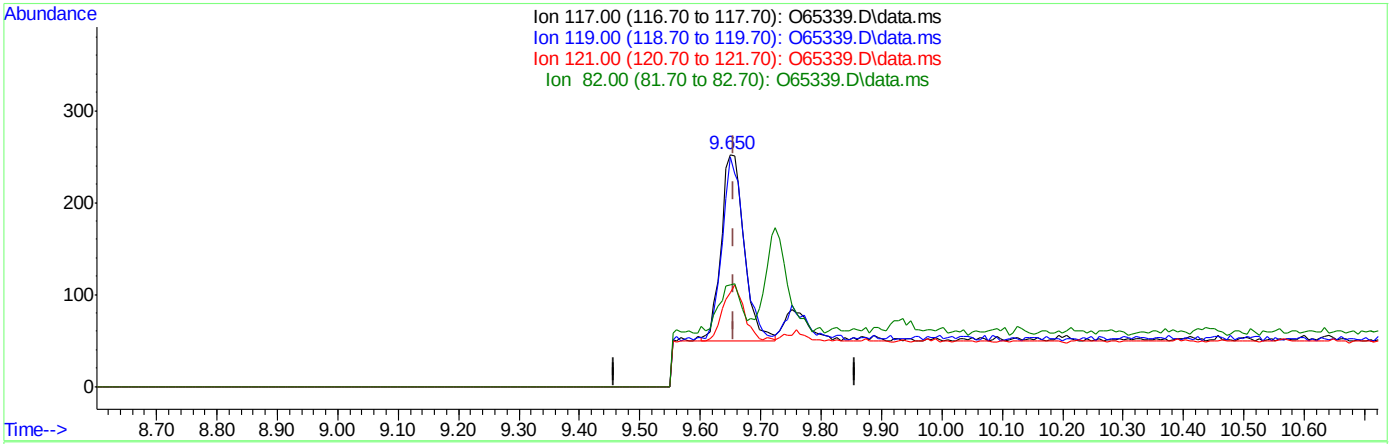
response 748

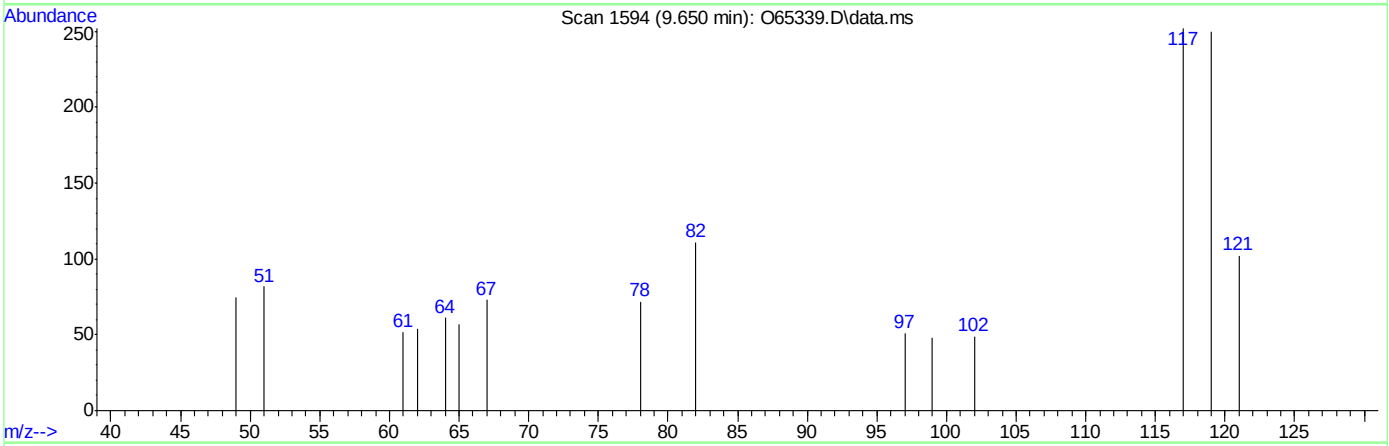
Ion	Exp%	Act%
117.00	100	100
119.00	98.20	98.99
121.00	31.10	26.13
82.00	24.20	23.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65339.D
Acq On : 22 Sep 2021 4:00 pm
Operator : charleng
Sample : ic2566-1 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 13:02:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Sep 13 13:28:54 2021
Response via : Initial Calibration





TIC: O65339.D\data.ms

(10) Carbon Tetrachloride ( )

9.650min (-0.007) 0.06ug/L m

response 539

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	99.21
121.00	31.10	40.48
82.00	24.20	44.05

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/23/21 14:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration

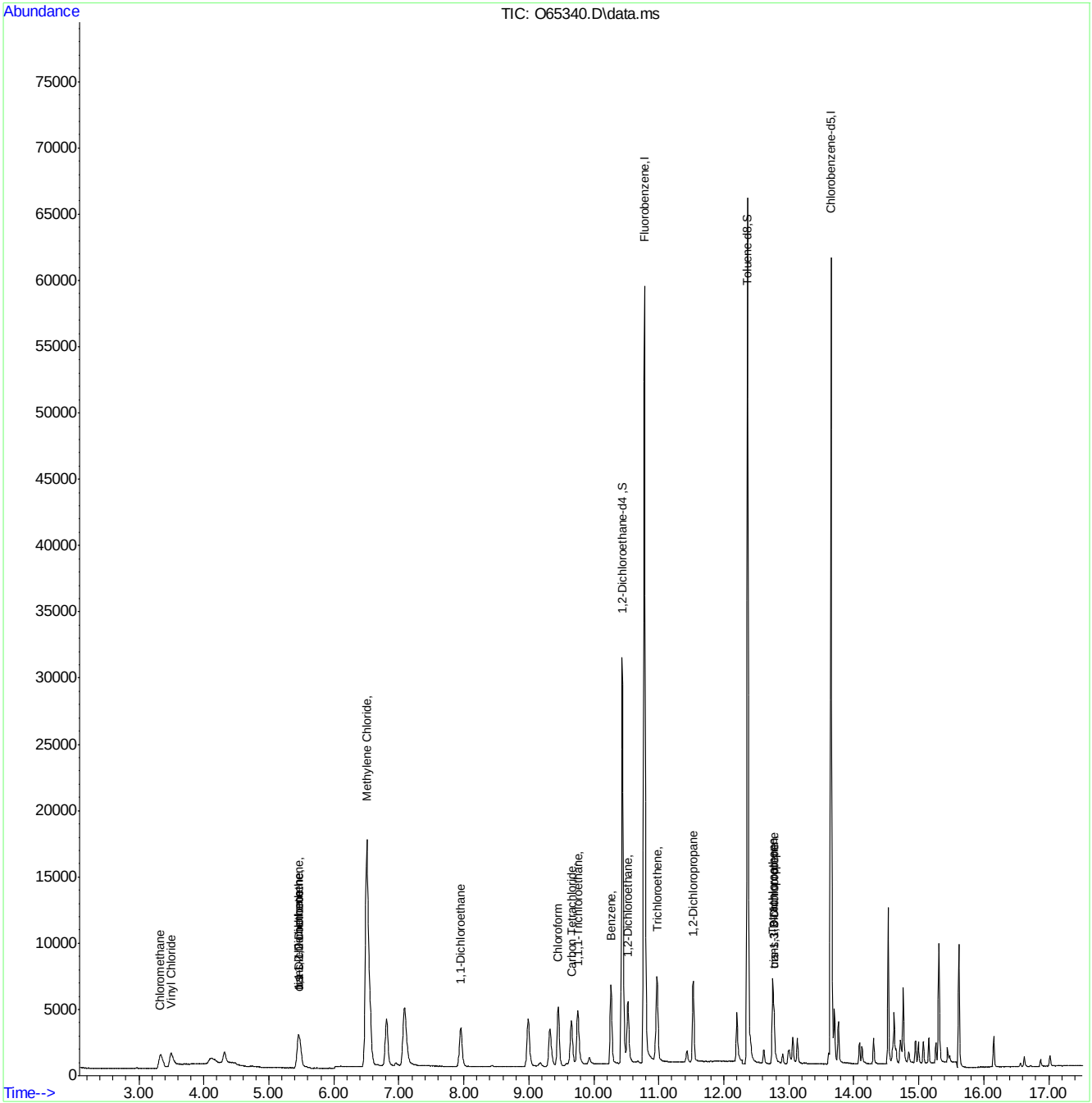
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	67534	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47933	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28852	5.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.60%			
19) Toluene-d8	12.367	98	56962	5.08	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 101.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.498	62	2550	0.24	ug/L	99
3) Chloromethane	3.330	50	3348	0.24	ug/L	93
4) 1,1-Dichloroethene	5.456	61	4476	0.34	ug/L	81
5) Methylene Chloride	6.501	49	25577	0.76	ug/L	90
6) trans-1,2-Dichloroethene	5.456	61	4476	0.34	ug/L	78
7) 1,1-Dichloroethane	7.951	63	5300	0.36	ug/L	98
8) cis-1,2-Dichloroethene	5.460	96	2200	0.33	ug/L	88
9) Chloroform	9.450	83	5211m	0.36	ug/L	
10) Carbon Tetrachloride	9.656	117	3010	0.33	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	3919	0.34	ug/L	95
12) Benzene	10.267	78	9599	0.36	ug/L	98
14) 1,2-Dichloroethane	10.525	62	4993	0.36	ug/L	91
15) Trichloroethene	10.974	95	2764	0.33	ug/L	94
16) 1,2-Dichloropropane	11.531	63	3011	0.36	ug/L	87
17) cis-1,3-Dichloropropene	12.774	75	2692	0.28	ug/L	96
20) trans-1,3-Dichloropropene	12.774	75	2692	0.28	ug/L	95
21) Tetrachloroethene	12.752	166	2462	0.34	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:40 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration



SIMCL-09-22-2021.M Thu Sep 23 13:17:01 2021 Page: 2

Manual Integration Approval Summary

Sample Number: VO2566-IC2566
Lab FileID: O65340.D
Injection Time: 09/22/21 16:23

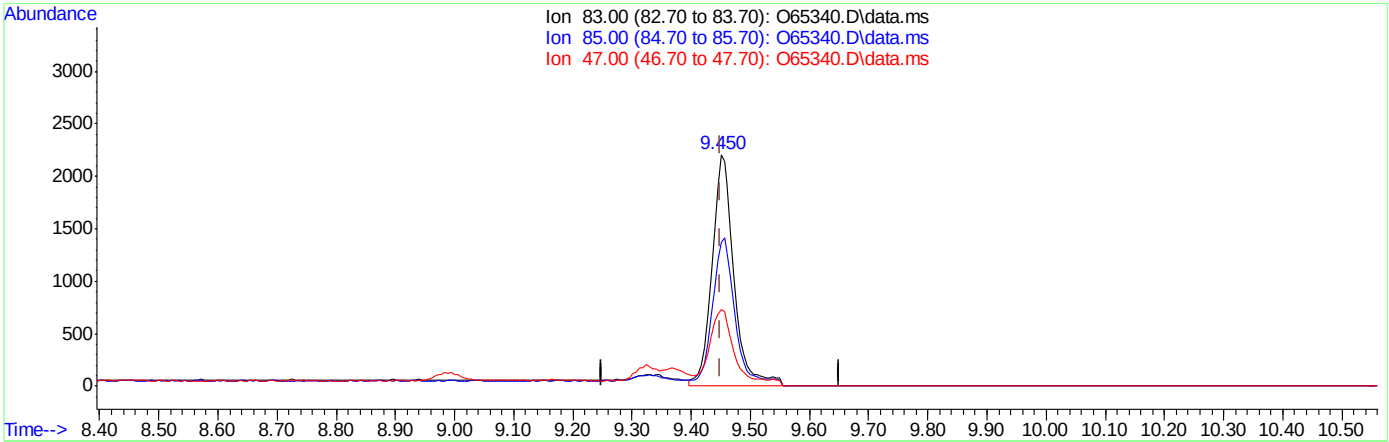
Method: SW846 8260B BY SIM
Analyst approved: 09/23/21 13:24 Charlene Gonzalez
Supervisor approved: 09/23/21 14:04 Sean Pioro

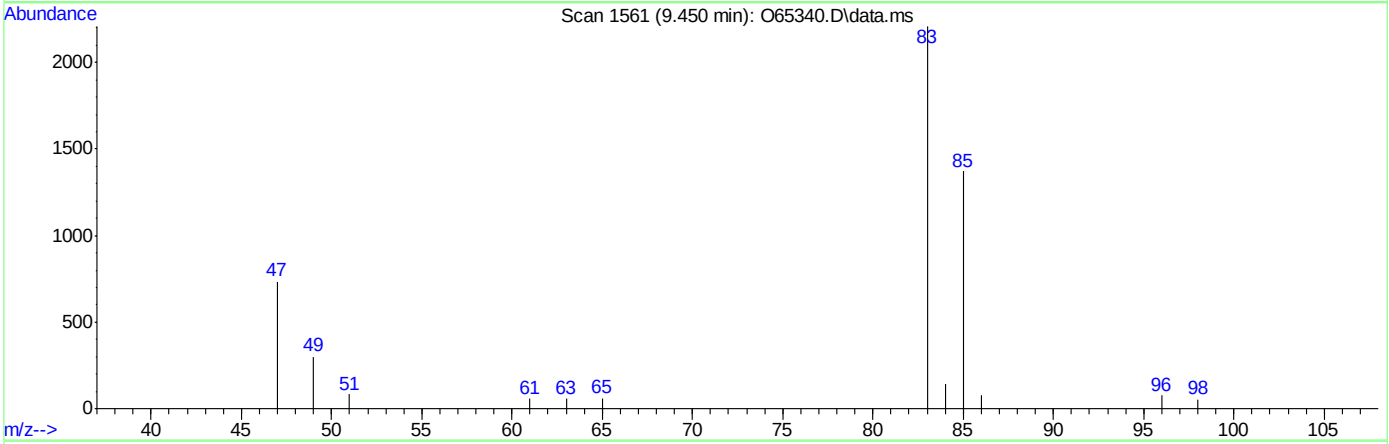
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		9.45	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration





TIC: O65340.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.39ug/L

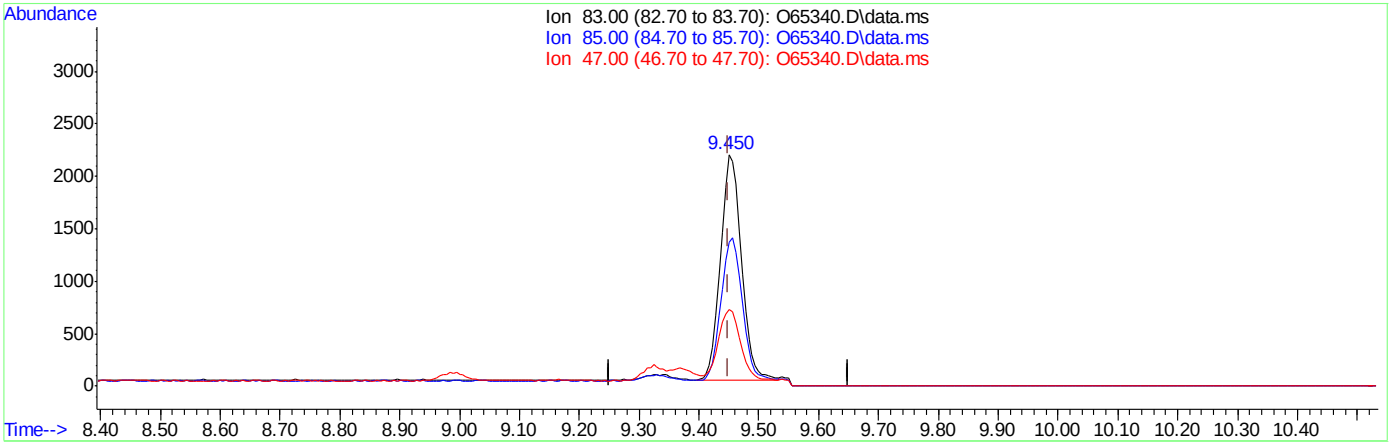
response 5762

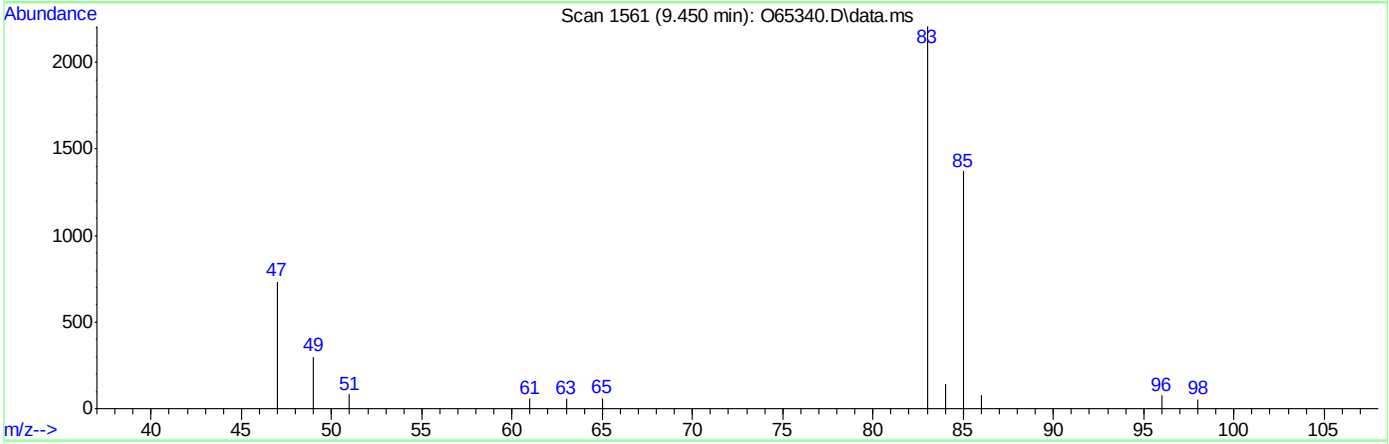
Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.15
47.00	35.10	33.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65340.D
Acq On : 22 Sep 2021 4:23 pm
Operator : charleng
Sample : ic2566-2 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 23 13:03:26 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:23 2021
Response via : Initial Calibration





TIC: O65340.D\data.ms

(9) Chloroform

9.450min (+0.000) 0.36ug/L m

response 5211

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	62.15
47.00	35.10	33.27
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65341.D
Acq On : 22 Sep 2021 4:46 pm
Operator : charleng
Sample : ic2566-3 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:03:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:53 2021
Response via : Initial Calibration

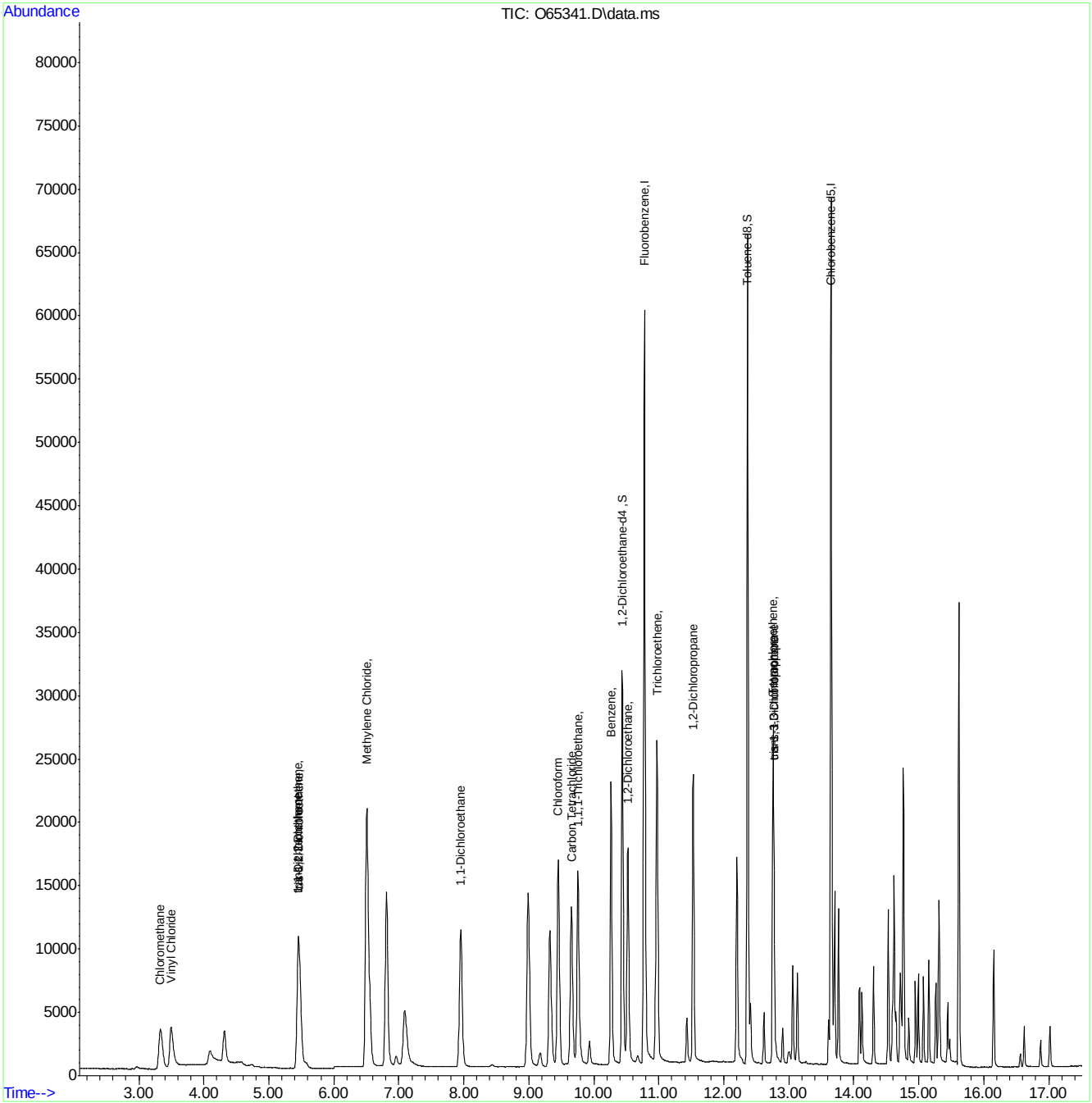
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	67784	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48414	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28328	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	56535	4.99	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 99.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	7892	0.81	ug/L	96
3) Chloromethane	3.331	50	9140	0.74	ug/L	97
4) 1,1-Dichloroethene	5.452	61	17261	1.35	ug/L	81
5) Methylene Chloride	6.506	49	28389	0.79	ug/L	92
6) trans-1,2-Dichloroethene	5.452	61	17261	1.35	ug/L	77
7) 1,1-Dichloroethane	7.951	63	19561	1.36	ug/L	98
8) cis-1,2-Dichloroethene	5.456	96	8366	1.31	ug/L	89
9) Chloroform	9.450	83	19257	1.36	ug/L	98
10) Carbon Tetrachloride	9.657	117	11869	1.35	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	15102	1.35	ug/L	94
12) Benzene	10.267	78	35085	1.36	ug/L	100
14) 1,2-Dichloroethane	10.525	62	18217	1.37	ug/L	90
15) Trichloroethene	10.974	95	10469	1.32	ug/L	95
16) 1,2-Dichloropropane	11.531	63	11144	1.38	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	10524	1.16	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	10524	1.15	ug/L	96
21) Tetrachloroethene	12.752	166	9170	1.33	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65341.D
Acq On : 22 Sep 2021 4:46 pm
Operator : charleng
Sample : ic2566-3 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 23 13:03:55 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:03:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65342.D
Acq On : 22 Sep 2021 5:09 pm
Operator : charleng
Sample : ic2566-4 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 13:04:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:08 2021
Response via : Initial Calibration

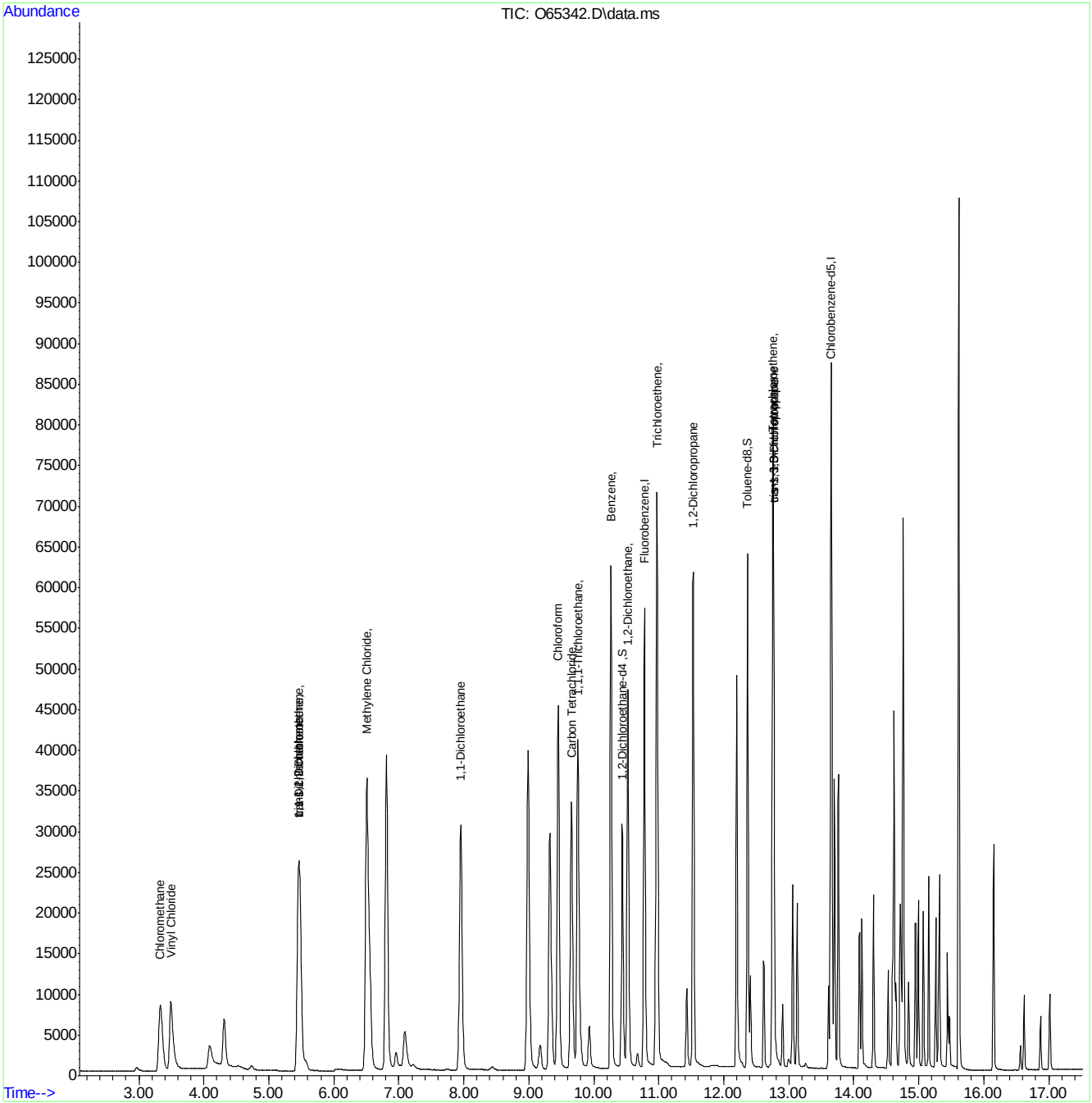
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	64180	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	46679	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27224	5.00	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.00%			
19) Toluene-d8	12.367	98	53608	4.93	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	21335	2.54	ug/L	98
3) Chloromethane	3.330	50	24021	2.28	ug/L	98
4) 1,1-Dichloroethene	5.456	61	45983	3.98	ug/L	82
5) Methylene Chloride	6.506	49	54603	1.81	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	45983	3.98	ug/L	78
7) 1,1-Dichloroethane	7.951	63	52873	4.08	ug/L	99
8) cis-1,2-Dichloroethene	5.460	96	22388	3.89	ug/L	89
9) Chloroform	9.450	83	50974	4.01	ug/L	98
10) Carbon Tetrachloride	9.657	117	30604	3.85	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	39776	3.93	ug/L	96
12) Benzene	10.267	78	94431	4.04	ug/L	99
14) 1,2-Dichloroethane	10.525	62	49277	4.11	ug/L	91
15) Trichloroethene	10.974	95	28924	4.06	ug/L	95
16) 1,2-Dichloropropane	11.531	63	29683	4.07	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	33391	4.12	ug/L	96
20) trans-1,3-Dichloropropene	12.769	75	33391	4.03	ug/L	95
21) Tetrachloroethene	12.752	166	24017	3.80	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65342.D
Acq On : 22 Sep 2021 5:09 pm
Operator : charleng
Sample : ic2566-4 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 23 13:04:11 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:08 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65343.D
Acq On : 22 Sep 2021 5:32 pm
Operator : charleng
Sample : icc2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 13:04:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:26 2021
Response via : Initial Calibration

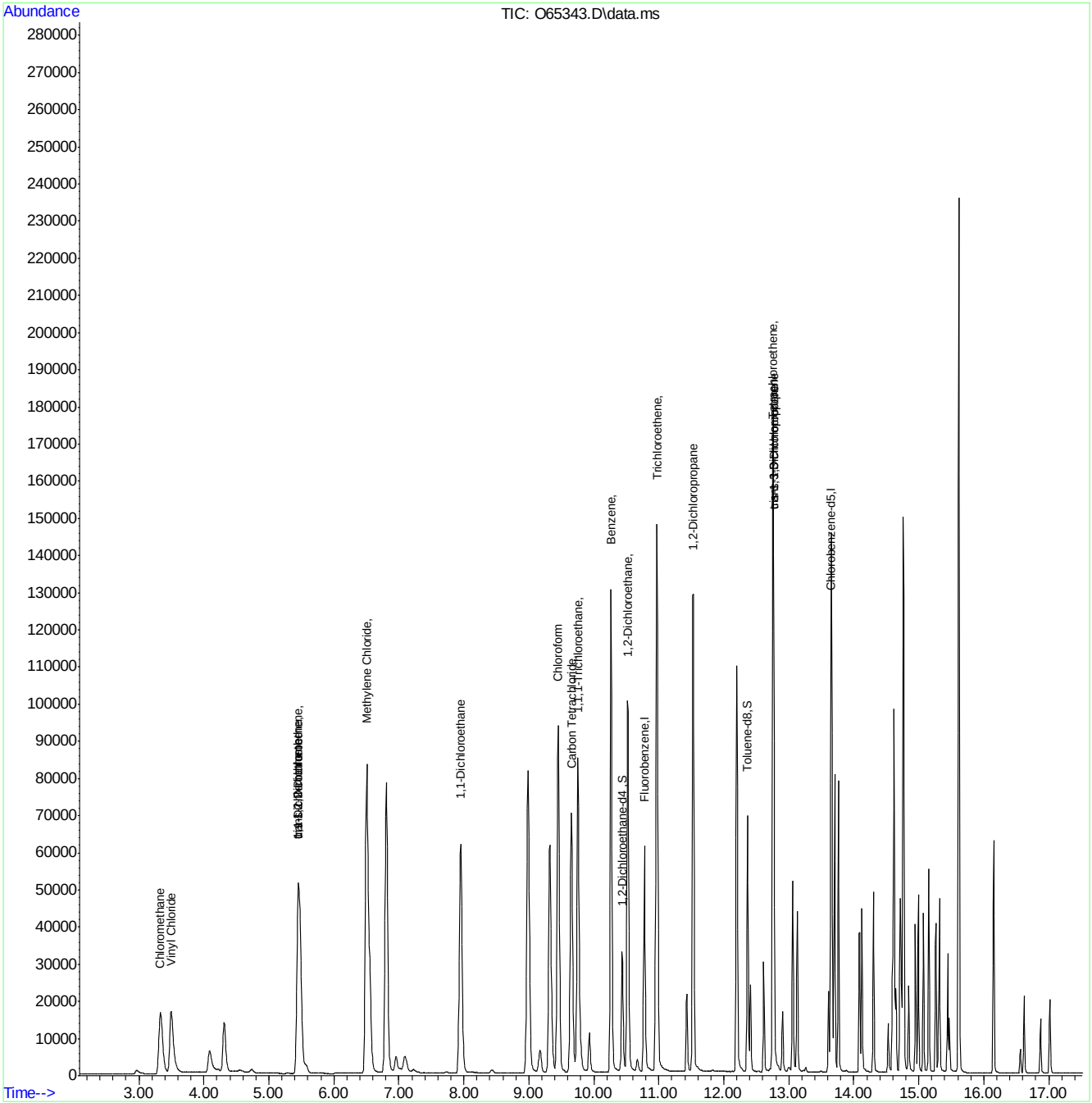
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	68420	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	50995	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28679	4.94	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%			
19) Toluene-d8	12.367	98	57937	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	44526	5.49	ug/L	99
3) Chloromethane	3.330	50	47834	4.79	ug/L	98
4) 1,1-Dichloroethene	5.452	61	94957	8.26	ug/L	82
5) Methylene Chloride	6.501	49	123352	4.19	ug/L	90
6) trans-1,2-Dichloroethene	5.452	61	94957	8.26	ug/L	79
7) 1,1-Dichloroethane	7.951	63	110352	8.51	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	46178	8.06	ug/L	90
9) Chloroform	9.450	83	106056	8.34	ug/L	98
10) Carbon Tetrachloride	9.657	117	66056	8.37	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	84484	8.39	ug/L	97
12) Benzene	10.267	78	199900	8.56	ug/L	99
14) 1,2-Dichloroethane	10.519	62	103827	8.66	ug/L	89
15) Trichloroethene	10.974	95	59300	8.43	ug/L	96
16) 1,2-Dichloropropane	11.531	63	63559	8.72	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	72627	9.05	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	72627	8.68	ug/L	94
21) Tetrachloroethene	12.752	166	50913	7.96	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65343.D
Acq On : 22 Sep 2021 5:32 pm
Operator : charleng
Sample : icc2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 13:04:30 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:26 2021
Response via : Initial Calibration



SIMCL-09-22-2021.M Thu Sep 23 13:17:07 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65344.D
Acq On : 22 Sep 2021 5:56 pm
Operator : charleng
Sample : ic2566-6 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 13:04:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:47 2021
Response via : Initial Calibration

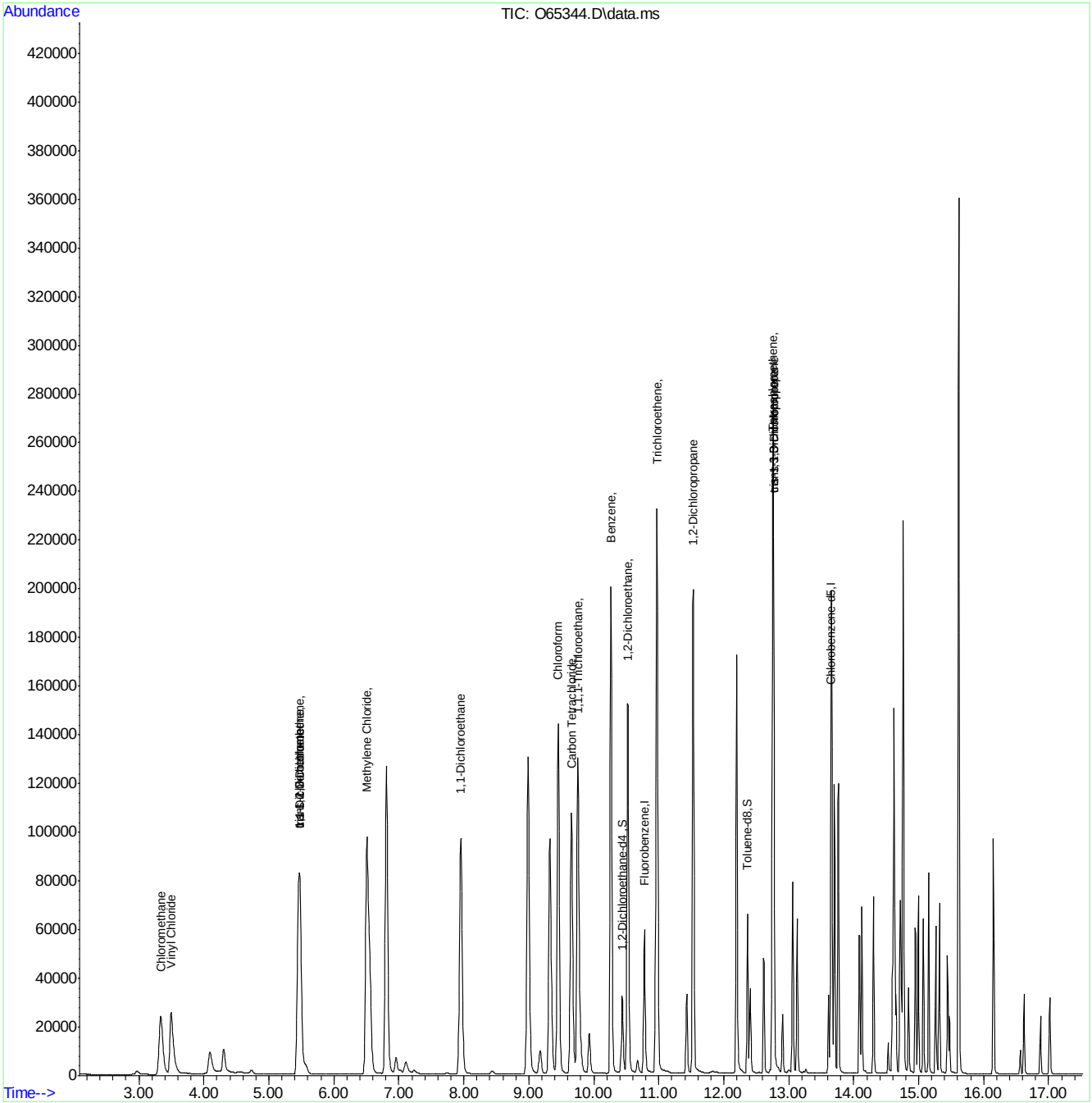
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65009	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	47996	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27645	5.01	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.20%			
19) Toluene-d8	12.367	98	54163	4.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.499	62	66108	9.84	ug/L	98
3) Chloromethane	3.335	50	69166	8.39	ug/L	97
4) 1,1-Dichloroethene	5.469	61	146430	14.35	ug/L	82
5) Methylene Chloride	6.507	49	158143	5.88	ug/L	92
6) trans-1,2-Dichloroethene	5.469	61	146430	14.35	ug/L	78
7) 1,1-Dichloroethane	7.951	63	169663	14.59	ug/L	99
8) cis-1,2-Dichloroethene	5.469	96	71206	14.00	ug/L	90
9) Chloroform	9.450	83	161730	14.17	ug/L	98
10) Carbon Tetrachloride	9.657	117	101599	14.46	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	128379	14.32	ug/L	95
12) Benzene	10.267	78	303175	14.46	ug/L	100
14) 1,2-Dichloroethane	10.525	62	156937	14.55	ug/L	91
15) Trichloroethene	10.974	95	91247	14.61	ug/L	96
16) 1,2-Dichloropropane	11.531	63	94674	14.43	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	114378	16.02	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	114378	15.64	ug/L	94
21) Tetrachloroethene	12.752	166	75064	13.43	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65344.D
Acq On : 22 Sep 2021 5:56 pm
Operator : charleng
Sample : ic2566-6 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 13:04:49 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:04:47 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65345.D
Acq On : 22 Sep 2021 6:19 pm
Operator : charleng
Sample : ic2566-7 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 13:05:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:05:22 2021
Response via : Initial Calibration

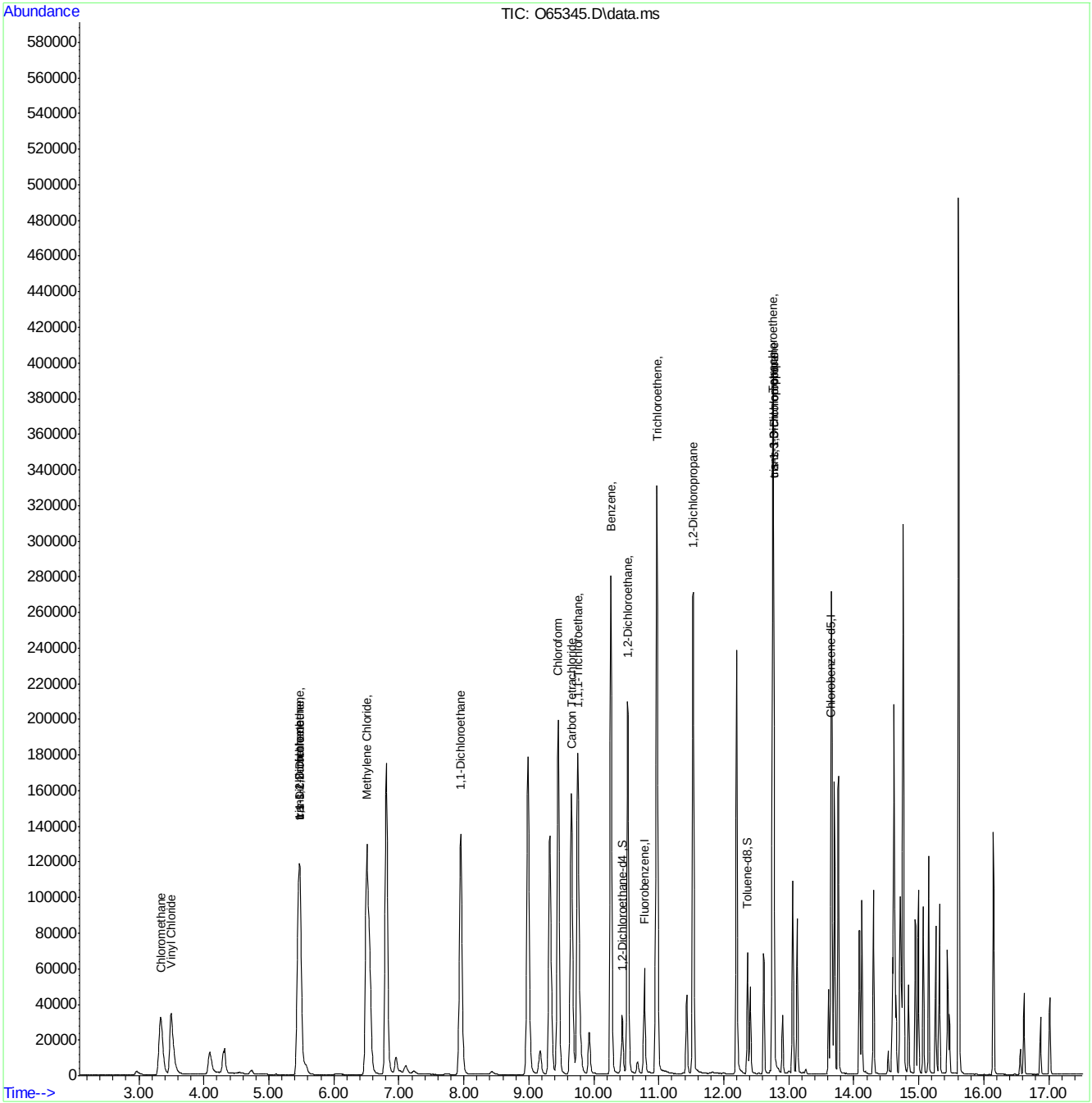
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	65842	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	49086	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28212	5.05	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.00%			
19) Toluene-d8	12.367	98	55502	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	92983	16.03	ug/L	99
3) Chloromethane	3.335	50	94620	13.44	ug/L	97
4) 1,1-Dichloroethene	5.469	61	211864	21.89	ug/L	83
5) Methylene Chloride	6.506	49	219978	8.41	ug/L	93
6) trans-1,2-Dichloroethene	5.469	61	211864	21.89	ug/L	79
7) 1,1-Dichloroethane	7.951	63	233736	21.00	ug/L	99
8) cis-1,2-Dichloroethene	5.473	96	103279	21.45	ug/L	89
9) Chloroform	9.450	83	220826	20.22	ug/L	98
10) Carbon Tetrachloride	9.656	117	147734	22.20	ug/L	98
11) 1,1,1-Trichloroethane	9.758	97	183311	21.57	ug/L	96
12) Benzene	10.267	78	422697	21.11	ug/L	98
14) 1,2-Dichloroethane	10.518	62	211736	20.50	ug/L	89
15) Trichloroethene	10.974	95	128647	21.61	ug/L	95
16) 1,2-Dichloropropane	11.531	63	130134	20.75	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	159113	23.58	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	159113	22.93	ug/L	94
21) Tetrachloroethene	12.752	166	108207	20.42	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65345.D
Acq On : 22 Sep 2021 6:19 pm
Operator : charleng
Sample : ic2566-7 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 13:05:27 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:05:22 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65347.D
Acq On : 22 Sep 2021 7:06 pm
Operator : charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 13:06:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

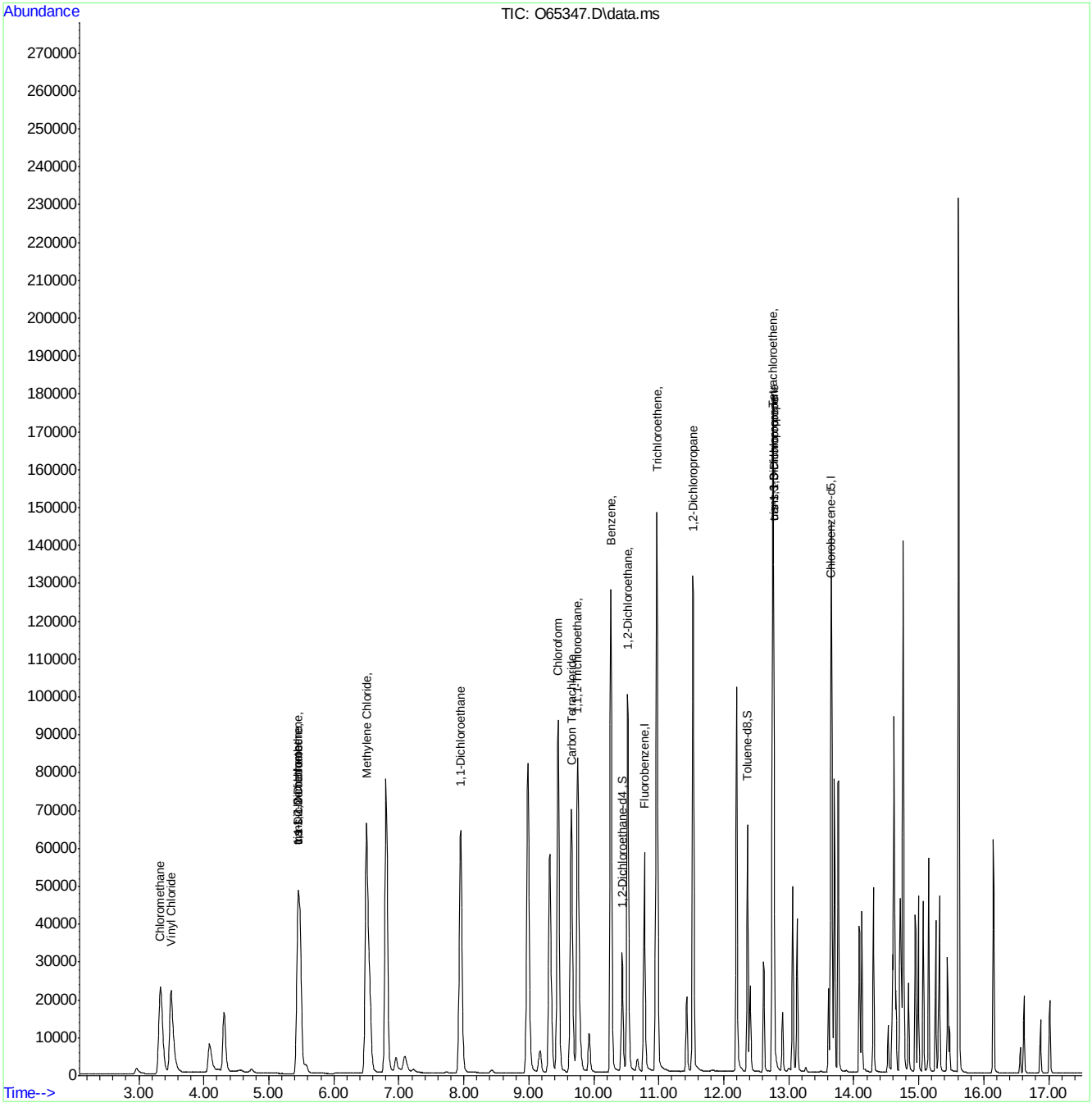
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	66175	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	48803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	27719	4.93	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.60%			
19) Toluene-d8	12.367	98	55468	4.94	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.80%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	59850	13.43	ug/L	98
3) Chloromethane	3.330	50	67381	14.29	ug/L	97
4) 1,1-Dichloroethene	5.452	61	95202	10.41	ug/L	81
5) Methylene Chloride	6.501	49	102708	8.87	ug/L	91
6) trans-1,2-Dichloroethene	5.452	61	95202	10.41	ug/L	77
7) 1,1-Dichloroethane	7.951	63	114993	10.90	ug/L	99
8) cis-1,2-Dichloroethene	5.452	96	46481	10.24	ug/L	91
9) Chloroform	9.450	83	105355	10.18	ug/L	97
10) Carbon Tetrachloride	9.657	117	66018	10.50	ug/L	98
11) 1,1,1-Trichloroethane	9.752	97	83526	10.43	ug/L	95
12) Benzene	10.267	78	199029	10.51	ug/L	98
14) 1,2-Dichloroethane	10.518	62	102317	10.49	ug/L	89
15) Trichloroethene	10.974	95	59624	10.59	ug/L	96
16) 1,2-Dichloropropane	11.525	63	63210	10.67	ug/L	89
17) cis-1,3-Dichloropropene	12.769	75	72147	10.06	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	72147	10.07	ug/L	94
21) Tetrachloroethene	12.752	166	50564	10.35	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-22\
Data File : O65347.D
Acq On : 22 Sep 2021 7:06 pm
Operator : charleng
Sample : icv2566-5 Inst : MSVOA12
Misc : MS49750,VO2566,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 13:06:44 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



SIMCL-09-22-2021.M Thu Sep 23 13:17:13 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65364.D
Acq On : 24 Sep 2021 2:20 pm
Operator : charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 14:54:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

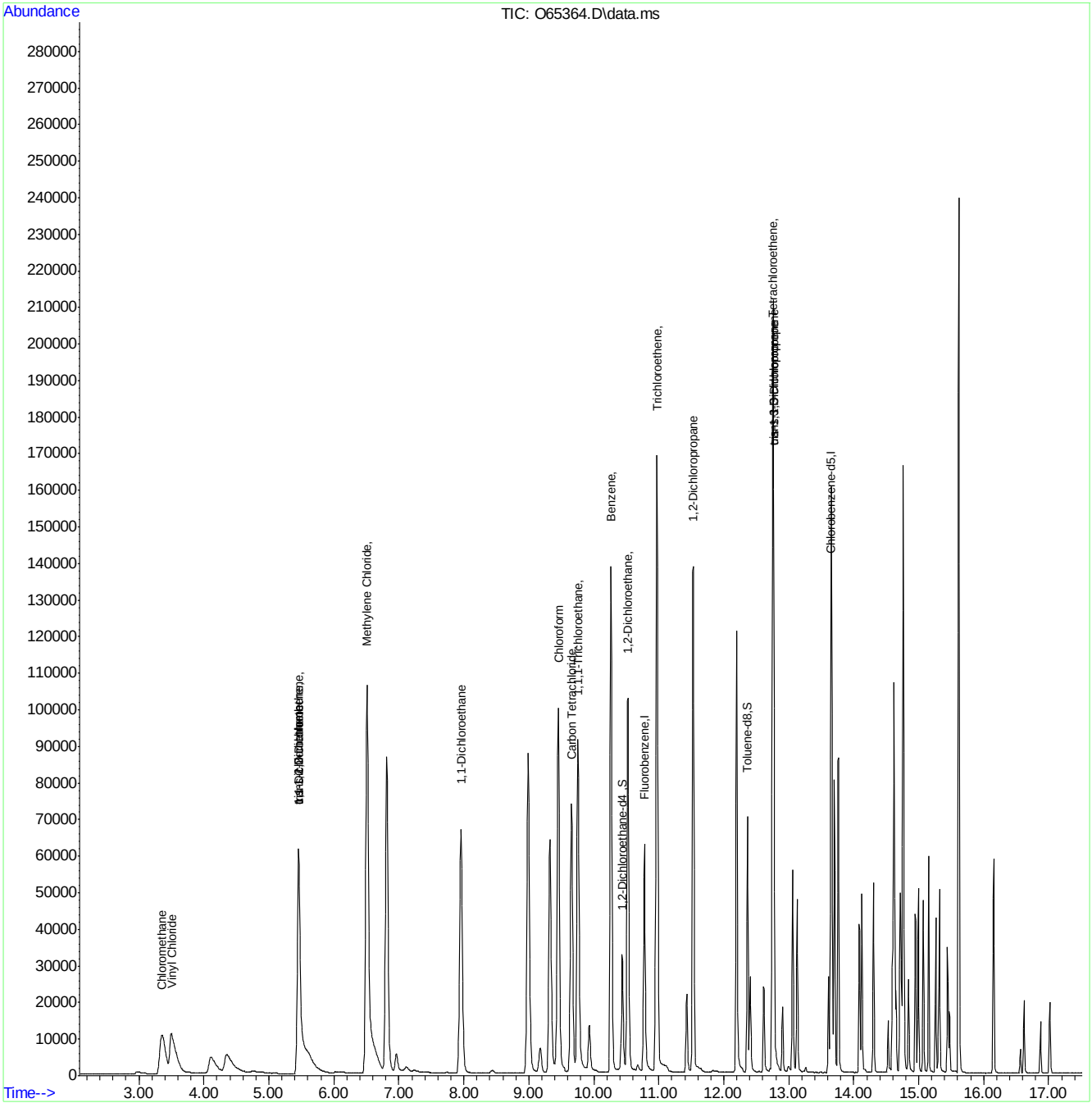
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	69579	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	53606	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	28394	4.81	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 96.20%			
19) Toluene-d8	12.367	98	60148	4.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.503	62	45970	10.05	ug/L	99
3) Chloromethane	3.356	50	48527	9.83	ug/L	97
4) 1,1-Dichloroethene	5.456	61	100305	10.43	ug/L	82
5) Methylene Chloride	6.507	49	143491	11.98	ug/L	91
6) trans-1,2-Dichloroethene	5.456	61	100305	10.43	ug/L	78
7) 1,1-Dichloroethane	7.957	63	119433	10.77	ug/L	99
8) cis-1,2-Dichloroethene	5.456	96	49003	10.26	ug/L	90
9) Chloroform	9.456	83	114072	10.49	ug/L	96
10) Carbon Tetrachloride	9.657	117	67651	10.23	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	86083	10.23	ug/L	96
12) Benzene	10.267	78	215794	10.84	ug/L	100
14) 1,2-Dichloroethane	10.525	62	109358	10.66	ug/L	91
15) Trichloroethene	10.974	95	68826	11.63	ug/L	96
16) 1,2-Dichloropropane	11.531	63	69013	11.08	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	86628	11.32	ug/L	98
20) trans-1,3-Dichloropropene	12.769	75	86628	10.91	ug/L	93
21) Tetrachloroethene	12.752	166	59991	11.18	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65364.D
Acq On : 24 Sep 2021 2:20 pm
Operator : charleng
Sample : cc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 14:54:53 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65384.D
Acq On : 24 Sep 2021 10:03 pm
Operator : charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 27 08:49:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration

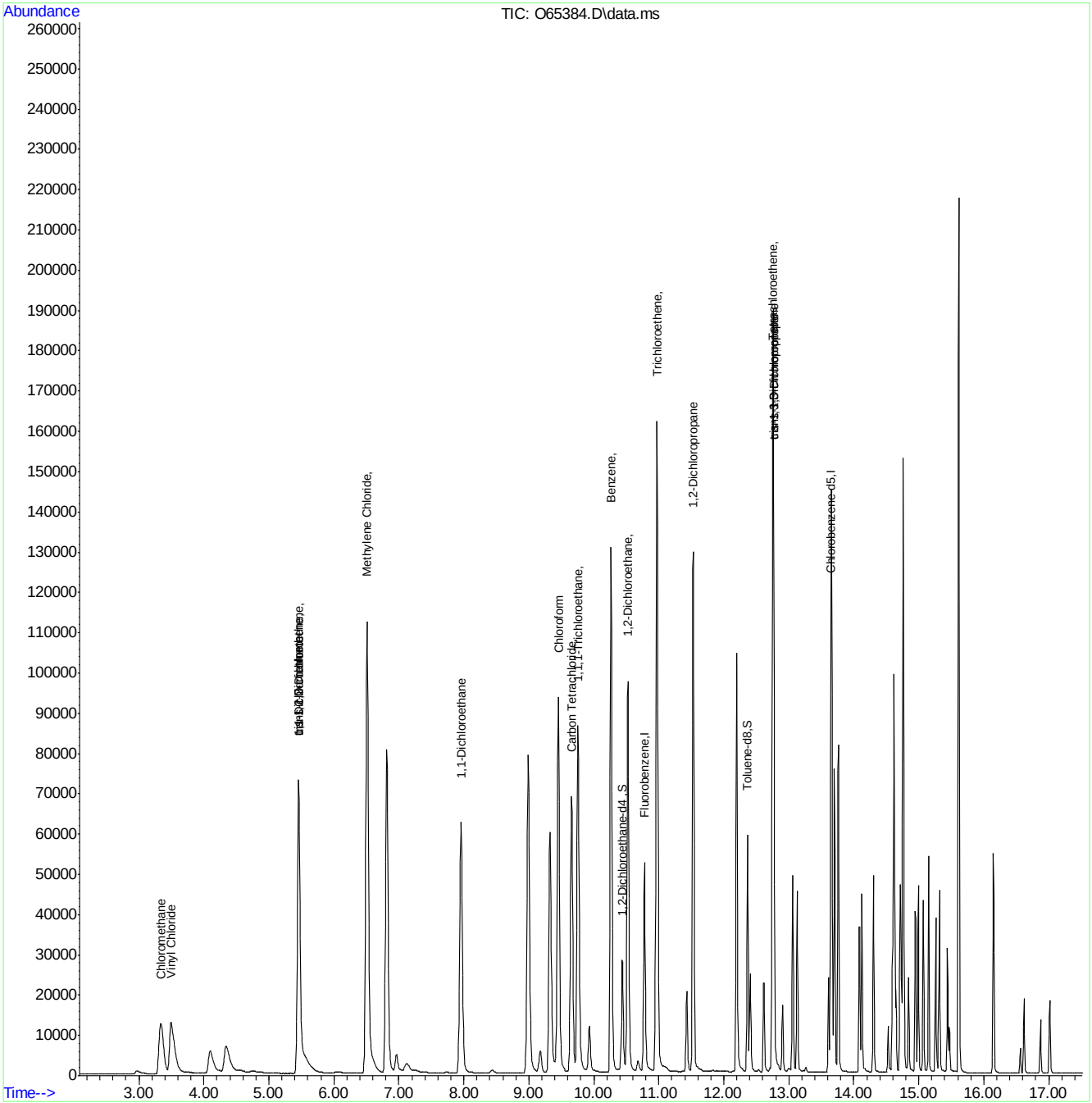
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	10.778	96	58956	5.00	ug/L	0.00
18) Chlorobenzene-d5	13.649	117	46148	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	10.437	65	24845	4.96	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.20%			
19) Toluene-d8	12.367	98	49889	4.70	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.00%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.494	62	45502	11.61	ug/L	98
3) Chloromethane	3.335	50	43798	10.46	ug/L	97
4) 1,1-Dichloroethene	5.456	61	98286	12.06	ug/L	81
5) Methylene Chloride	6.512	49	132113	13.09	ug/L	92
6) trans-1,2-Dichloroethene	5.456	61	98286	12.06	ug/L	78
7) 1,1-Dichloroethane	7.956	63	110275	11.74	ug/L	100
8) cis-1,2-Dichloroethene	5.456	96	47487	11.74	ug/L	91
9) Chloroform	9.456	83	104611	11.35	ug/L	97
10) Carbon Tetrachloride	9.656	117	62542	11.17	ug/L	97
11) 1,1,1-Trichloroethane	9.758	97	80045	11.22	ug/L	95
12) Benzene	10.267	78	196516	11.65	ug/L	99
14) 1,2-Dichloroethane	10.525	62	100493	11.56	ug/L	90
15) Trichloroethene	10.974	95	64512	12.87	ug/L	96
16) 1,2-Dichloropropane	11.531	63	63194	11.97	ug/L	90
17) cis-1,3-Dichloropropene	12.769	75	74038	11.40	ug/L	97
20) trans-1,3-Dichloropropene	12.769	75	74038	10.84	ug/L	94
21) Tetrachloroethene	12.752	166	54077	11.71	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\data\2021-09-24\
Data File : O65384.D
Acq On : 24 Sep 2021 10:03 pm
Operator : charleng
Sample : ecc2566-5 Inst : MSVOA12
Misc : MS49861,VO2567,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 27 08:49:12 2021
Quant Method : C:\msdchem\2\methods\SIMCL-09-22-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Thu Sep 23 13:06:39 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/22/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-22-2021.M
CALIB. DATE:	9/22/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2663357
AFA:	N/A
RUN ID:	VO2566

BFB:	V26371
ICAL/CC:	VS1488, VS1501
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1502

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/23/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAK RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65337	MB	-	-	W	1	BFB_SIM		-	-	-	
O65338	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65339	IC2566-1	-	-	W	3	ACQ_SIMCLb	#3MP ; #9, 10 PDB	-	-	-	1uL→ 100mL
O65340	IC2566-2	-	-	W	4	ACQ_SIMCLb	#9 PDB	-	-	-	5uL→ 100mL
O65341	IC2566-3	-	-	W	5	ACQ_SIMCLb		-	-	-	10uL→ 50mL
O65342	IC2566-4	-	-	W	6	ACQ_SIMCLb		-	-	-	25uL→ 50mL
O65343	ICC2566-5	-	-	W	7	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65344	IC2566-6	-	-	W	8	ACQ_SIMCLb		-	-	-	75uL→ 50mL
O65345	IC2566-7	-	-	W	9	ACQ_SIMCLb		-	-	-	100uL→ 50mL
O65346	MB	-	-	W	10	ACQ_SIMCLb		-	-	-	
O65347	ICV2566-5	-	-	W	11	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65348	BS d	-	-	W	12	ACQ_SIMCLb		-	-	-	20uL→ 40mL
O65349	MB d	-	-	W	13	ACQ_SIMCLb		-	-	-	
O65350	MB d	-	-	W	14	ACQ_SIMCLb		-	-	-	
O65351	FA88845-12 d	1x	2	W	15	ACQ_SIMCLb		1	N	-	
O65352	FA88845-9 d	2x	2	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O65353	FA88845-9MS d	5x	2	W	17	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65354	FA88845-9MSD d	5x	2	W	18	ACQ_SIMCLb		1	N	-	20uL→ 40mL
O65355	ECC2566-5	-	-	W	19	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA12-O-ANALYSIS LOG

DATE:	09/24/2021
COLUMN TYPE:	RTX VMS
DETECTOR:	5975C MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	10.6PSI
PURGE VOLUME:	5 mL
ANALYST:	Charlene G

METHODS:*	ACQ_SIMCLb
METHOD FILE:	SIMCL-09-22-2021.M
CALIB. DATE:	9/22/2021
EM VOLTAGE:	1541V
BFB RESPONSE:	2380291
AFA:	N/A
RUN ID:	**VO2567**

BFB:	V26371
ICAL/CC:	VS1488, VS1501
ISTD/SUR:	VS1461
ICV/QC:	VS1467, VS1502

PH LOT1-12: 230814
PH LOT 0.0-3.0: 220416a
KI PAPER LOT: 030317
Sample ID Verified By: CG
Data Reviewed By: CG
Date Reviewed: 09/27/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
O65362	MB	-	-	W	1	BFB_SIM		-	-	-	
O65363	BFB	-	-	W	2	BFB_SIM		-	-	-	Autofind PASS
O65364	CC2566-5	-	-	W	3	ACQ_SIMCLb		-	-	-	50uL→ 50mL
O65365	BS	-	-	W	4	ACQ_SIMCLb		-	-	-	20uL→ 40mL ; CM ↑, Vinyl Cl ↑
O65366	MB	-	-	W	5	ACQ_SIMCLb		-	-	-	
O65367	MB	-	-	W	6	ACQ_SIMCLb		-	-	-	
O65368	FA89259-1	1x	1	W	7	ACQ_SIMCLb		1	N	-	
O65369	FA89259-2	1x	1	W	8	ACQ_SIMCLb	#5 SP	1	N	-	
O65370	FA89259-3	1x	1	W	9	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65371	FA89259-4	1x	1	W	10	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65372	FA89259-5	1x	1	W	11	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65373	FA89259-6	1x	1	W	12	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65374	FA89260-1	1x	1	W	13	ACQ_SIMCLb	#5 SP ; #9 PDB	1	N	-	
O65375	FA89260-2	1x	1	W	14	ACQ_SIMCLb	#9 PDB	1	N	-	
O65376	FA89260-3	1x	1	W	15	ACQ_SIMCLb	#9 PDB	1	N	-	
O65377	FA89260-4	1x	1	W	16	ACQ_SIMCLb	#9 PDB	1	N	-	
O65378	FA89260-5	1x	1	W	17	ACQ_SIMCLb		1	N	-	
O65379	FA89261-1	1x	1	W	18	ACQ_SIMCLb		1	N	-	
O65380	FA89262-1	1x	1	W	19	ACQ_SIMCLb	#9,10 PDB	1	N	-	
O65381	BS2	-	-	W	20	ACQ_SIMCLb		-	-	-	20uL→ 40mL ; For CM and VC only
O65382	FA89259-2ms	5x	2	W	21	ACQ_SIMCLb		1	N	-	20uL→ 40mL ; 20mL → 100mL
O65383	FA89259-2msd	5x	2	W	22	ACQ_SIMCLb		1	N	-	20uL→ 40mL ; 20mL → 100mL
O65384	ECC2566-5	-	-	W	23	ACQ_SIMCLb		-	-	-	50uL→ 50mL

Manual Integration Rational SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

SGS Job Number: FA88605

Sampling Date: 08/30/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **111**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88605

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-Upper

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88605-1	08/30/21	15:55	TMLH	09/02/21	AQ	Ground Water	2135W0BW216F
FA88605-2	08/30/21	16:00	TMLH	09/02/21	AQ	Ground Water	2135W0BW217D

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88605

Site: Fort Ord Groundwater Monitoring **Report Date** 9/15/2021 5:45:33 PM

On 09/02/2021, 2 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88605 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VZ2585

Sample(s) FA88607-3MS, FA88607-3MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Carbon Tetrachloride are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives exceptas noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: FA88605
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88605-1	**2135W0BW216F**					
Carbon Tetrachloride		6.2	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88605-2	**2135W0BW217D**					
Carbon Tetrachloride		6.4	0.50	0.25	ug/l	SW846 8260B BY SIM

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW216F		
Lab Sample ID:	FA88605-1	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65725.D	1	09/03/21 13:09	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	6.2	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	121%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW217D		
Lab Sample ID:	FA88605-2	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65726.D	1	09/03/21 13:30	CG	n/a	n/a	VZ2585
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	6.4	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	124%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

REVISED COC

CA1DS 2349
Ahtna

FA88605

1 OF 1

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 0303

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. MOORE / L. Henderson
Project Name: FT ORD Baseline GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO3	H2SO4	NaOH	MeOH	NaHSO4	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135W0BW216F	8-30-21	1555	X			3	X								X			
2	2135W0BW217D	8-30-21	1600	X			3	X								X			
3	~~2135W0BW218F~~	~~8-30-21~~	~~1605~~	X			3	X								X			

q/15 HD

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ✓ Standard ____ 3-5 Day Rush ____ 48 Hour Rush ____ 24 Hour Rush
Shipment: Method: INITIAL ASSESSMENT

Comments:

OUTCP - UPPER

EL VERIFICATION 2.21 PM

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom M	8 30-21 @1700	Steve Korday	8-30-21 / 1700
Relinquished By: Steve Korday	Date/Time: 8-31-21 / 1040	Received By: Lee Baxter	Date/Time: 8/31/21 1040
Relinquished By: Lee Baxter	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX Carlos De Alejandro	Date/Time: 8/31/21 1500 & 9/1/21 0945

5.1 5

FA88605: Chain of Custody
Page 1 of 4

CAIDS 2349
Ahtna

CHAIN OF CUSTODY

FA88605

WATER / SOIL

1 OF 1

Chain of Custody #: 0303

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Moore / L. Henderson
Project Name: FT ORD Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Lab Sample Receipt:
Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	Analysis Requested: VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135W0BW216F	8-30-21	1555	X			3	X								X			
2	2135W0BW217D	8-30-21	1600	X			3	X								X			
3	2135W0BW218F	8-30-21	1605	X			3	X								X			

Turnaround Time: ✓: Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush
Shipment: Method: INITIAL ASSESSMENT
Comments:

OUTCP - upper

LEVEL VERIFICATION 2.21 MA

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom M	8-30-21 @1700	Steve Korbay	8-30-21 / 1700
Relinquished By: Steve Korbay	Date/Time: 8-31-21 / 1040	Received By: Lee Barnes	Date/Time: 8/31/21 1040
Relinquished By: Lee Barnes	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX Carlos de Alejandro	Date/Time: 8/31/21 1500 & 9/2/21 0945

5.1 5

SGS Sample Receipt Summary

Job Number: FA88605 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP Upper

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774691790525

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☐		☑	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments Cooler was received on 09/02/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

Job Change Order: FA88605

Requested Date:	9/15/2021	**Received Date:**	9/2/2021
Account Name:	Ahtna Global, LLC	**Due Date:**	9/16/2021
Project Description:	Fort Ord Groundwater Monitoring	**Deliverable:**	FULT1
CSR:	EK	**TAT (Days):**	14

==========

Sample #: FA88605-3

Dept:

TAT: 14

2135W0BW218F

Change:

MOVE sample to a new "A" job/report " FA88605A" to be reported for the OUCTP-A compound list [V8260SIMSL4]. Revised COCs provided by Client (Ahtna)

==========

FA88605: Chain of Custody
Page 4 of 4

Above Changes Per: Holly Dillon **Date/Time:** 9/15/2021 3:33:37 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88605
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ2585	SW846 8260B BY SIM						
VZ2585-BS	56-23-5	Carbon Tetrachloride	BSP	REC	110	%	72-136
VZ2585-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	94	%	81-118
VZ2585-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FA88607-3MS*	56-23-5	Carbon Tetrachloride	MS	REC	143	%	72-136
FA88607-3MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	111	%	81-118
FA88607-3MS*	2037-26-5	Toluene-D8	MS	SURR	85	%	89-112
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	134	%	72-136
FA88607-3MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FA88607-3MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	107	%	81-118
FA88607-3MSD*	2037-26-5	Toluene-D8	MSD	SURR	90	%	89-112
VZ2585-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VZ2585-MB	2037-26-5	Toluene-D8	MB	SURR	109	%	89-112
FA88605-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	121	%	81-118
FA88605-1	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FA88605-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	124	%	81-118
FA88605-2	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112

* Sample used for QC is not from job FA88605

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-MB	Z65718.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88605-1, FA88605-2

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

Blank Spike Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2585-BS	Z65717.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88605-1, FA88605-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.5	110	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	94%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88607-3MS	Z65733.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3MSD	Z65734.D	5	09/03/21	CG	n/a	n/a	VZ2585
FA88607-3	Z65723.D	1	09/03/21	CG	n/a	n/a	VZ2585

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88605-1, FA88605-2

CAS No.	Compound	FA88607-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50	U	25	35.8	143*	25	33.4	134	7	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FA88607-3	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	107%	117%	74-125%
2037-26-5	Toluene-D8	85%*	90%	102%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-BFB
Lab File ID: Z65701.D
Instrument ID: GCMSZ
Injection Date: 09/02/21
Injection Time: 12:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32941	20.2		Pass
75	30.0 - 60.0% of mass 95	91400	56.1		Pass
95	Base peak, 100% relative abundance	162995	100.0		Pass
96	5.0 - 9.0% of mass 95	11206	6.88		Pass
173	Less than 2.0% of mass 174	1242	0.76	(0.88) [a]	Pass
174	50.0 - 100.0% of mass 95	140947	86.5		Pass
175	5.0 - 9.0% of mass 174	10204	6.26	(7.24) [a]	Pass
176	95.0 - 101.0% of mass 174	140437	86.2	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9114	5.59	(6.49) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2584-IC2584	Z65705.D	09/02/21	14:48	02:13	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21	15:08	02:33	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21	15:29	02:54	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21	15:49	03:14	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21	16:10	03:35	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21	16:30	03:55	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21	16:51	04:16	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21	17:32	04:57	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-BFB
Lab File ID: Z65715.D
Instrument ID: GCMSZ
Injection Date: 09/03/21
Injection Time: 09:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38475	21.1		Pass
75	30.0 - 60.0% of mass 95	105853	58.0		Pass
95	Base peak, 100% relative abundance	182464	100.0		Pass
96	5.0 - 9.0% of mass 95	12727	6.98		Pass
173	Less than 2.0% of mass 174	1494	0.82	(1.05) [a]	Pass
174	50.0 - 100.0% of mass 95	142331	78.0		Pass
175	5.0 - 9.0% of mass 174	10776	5.91	(7.57) [a]	Pass
176	95.0 - 101.0% of mass 174	139501	76.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	9064	4.97	(6.50) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2585-CC2584	Z65716.D	09/03/21	10:03	00:20	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21	10:23	00:40	Blank Spike
VZ2585-MB	Z65718.D	09/03/21	10:44	01:01	Method Blank
ZZZZZZ	Z65720.D	09/03/21	11:27	01:44	(unrelated sample)
ZZZZZZ	Z65721.D	09/03/21	11:48	02:05	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21	12:08	02:25	(unrelated sample)
FA88607-3	Z65723.D	09/03/21	12:28	02:45	(used for QC only; not part of job FA88605)
ZZZZZZ	Z65724.D	09/03/21	12:49	03:06	(unrelated sample)
FA88605-1	Z65725.D	09/03/21	13:09	03:26	2135W0BW216F
FA88605-2	Z65726.D	09/03/21	13:30	03:47	2135W0BW217D
ZZZZZZ	Z65727.D	09/03/21	13:50	04:07	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21	14:52	05:09	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21	15:12	05:29	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21	16:34	06:51	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21	16:54	07:11	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21	17:15	07:32	Ending cal 5

Internal Standard Area Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2585-CC2584	**Injection Date:**	09/03/21
Lab File ID:	Z65716.D	**Injection Time:**	10:03
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	55195	8.05	48252	11.13
Check Std [b]	60582	8.05	49907	11.12
Upper Limit [c]	121164	8.22	99814	11.29
Lower Limit [d]	30291	7.88	24954	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2585-BS	56138	8.05	44608	11.12
VZ2585-MB	49294	8.05	34756	11.13
ZZZZZZ	45027	8.05	32570	11.12
ZZZZZZ	42901	8.05	30724	11.13
ZZZZZZ	41586	8.05	30661	11.13
FA88607-3	40199	8.05	30097	11.13
ZZZZZZ	40382	8.05	29261	11.13
FA88605-1	38685	8.05	28279	11.13
FA88605-2	35025	8.05	27050	11.13
ZZZZZZ	34894	8.05	25283	11.13
ZZZZZZ	39670	8.05	29079	11.13
ZZZZZZ	35539	8.05	26188	11.13
FA88607-3MS	42576	8.05	37557	11.12
FA88607-3MSD	42339	8.05	34132	11.12
VZ2585-ECC2584	48867	8.05	41202	11.13

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2584-ICC2584 Z65709.D 09/02/21 16:10
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88605-1	Z65725.D	121	105
FA88605-2	Z65726.D	124	98
FA88607-3MS	Z65733.D	111	85*
FA88607-3MSD	Z65734.D	107	90
VZ2585-BS	Z65717.D	94	97
VZ2585-MB	Z65718.D	105	109

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICC2584
Lab FileID: Z65709.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Calibration Files
1 =Z65705.D 2 =Z65706.D 3 =Z65707.D 4 =Z65708.D
5 =Z65709.D 6 =Z65710.D 7 =Z65711.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Vinyl Chloride	0.886	0.901	0.851	0.805	0.789	0.778	0.748	0.823	7.02
3) Chloromethane	1.798	1.025	0.837	0.771	0.742	0.738	0.691	0.943	41.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 0.81552 *A + -0.03012 *A^2									
4) 1,1-Dichloroethen	0.701	0.803	0.841	0.847	0.838	0.874	0.860	0.823	7.08
5) Methylene Chlorid	2.184	0.994	0.855	0.815	0.758	0.763	0.729	1.014	51.61
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 0.82437 *A + -0.02332 *A^2									
6) trans-1,2-Dichlor	0.680	0.709	0.766	0.782	0.775	0.832	0.796	0.763	6.78
7) 1,1-Dichloroethan	0.940	0.952	1.030	1.022	0.976	1.024	1.000	0.992	3.68
8) cis-1,2-Dichloroe	0.508	0.496	0.540	0.556	0.546	0.603	0.603	0.550	7.59
9) Chloroform	2.573	1.409	1.310	1.268	1.192	1.260	1.229	1.463	33.79
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 1.23929 *A + -0.00134 *A^2									
10) Carbon Tetrachlor	0.682	0.675	0.822	0.789	0.777	0.817	0.804	0.766	8.13
11) 1,1,1-Trichloroet	0.792	0.923	0.987	0.977	0.939	1.004	0.990	0.945	7.73
12) Benzene	1.775	1.780	1.973	2.065	2.035	2.200	2.185	2.002	8.64
13)S 1,2-Dichloroethan	0.475	0.480	0.443	0.422	0.409	0.395	0.384	0.430	8.78
14) 1,2-Dichloroethan	0.734	0.740	0.810	0.803	0.759	0.791	0.774	0.773	3.87
15) Trichloroethene	0.467	0.512	0.570	0.589	0.586	0.638	0.637	0.571	11.03
16) 1,2-Dichloropropa	0.462	0.488	0.525	0.536	0.517	0.558	0.551	0.520	6.61
17) cis-1,3-Dichlorop	0.517	0.357	0.595	0.637	0.711	0.770	0.782	0.624	24.30
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
Response Ratio = 0.00000 + 0.63567 *A + 0.03847 *A^2									
18) I Chlorobenzene-d5	----------ISTD----------								
19)S Toluene-d8	1.103	1.096	1.029	0.997	0.980	1.004	1.004	1.030	4.78
20) trans-1,3-Dichlor	0.591	0.304	0.687	0.721	0.768	0.858	0.872	0.686	28.34
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992									
Response Ratio = 0.00000 + 0.69172 *A + 0.04705 *A^2									
21) Tetrachloroethene	0.612	0.667	0.685	0.665	0.646	0.699	0.705	0.668	4.84
22) 1,4-Dichlorobenze	1.204	1.082	1.322	1.379	1.352	1.502	1.532	1.339	11.81
23) 1,2-Dibromo-3-Chl	0.138	0.085	0.101	0.100	0.097	0.105	0.102	0.104	15.69
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.09928 *A + 0.00082 *A^2									

(#) = Out of Range

SIMCL-09-02-2021.M Fri Sep 03 09:45:18 2021

Initial Calibration Verification

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-02\Z65713.D Vial: 14
Acq On : 2 Sep 2021 5:32 pm Operator: CHARLENG
Sample : icv2584-5 Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	8.05
2	Vinyl Chloride	0.823	0.667	19.0	89	0.00	3.39
		Amount	Calc.	%Drift			
3	Chloromethane	10.000	7.974	20.3#	87	0.00	3.27
		AvgRF	CCRF	%Dev			
4	1,1-Dichloroethene	0.823	0.832	-1.1	105	0.00	4.71
		Amount	Calc.	%Drift			
5	Methylene Chloride	10.000	9.277	7.2	101	0.00	5.36
		AvgRF	CCRF	%Dev			
6	trans-1,2-Dichloroethene	0.763	0.763	0.0	104	0.00	5.54
7	1,1-Dichloroethane	0.992	0.990	0.2	107	0.00	6.22
8	cis-1,2-Dichloroethene	0.550	0.548	0.4	106	0.00	6.79
		Amount	Calc.	%Drift			
9	Chloroform	10.000	9.279	7.2	102	0.00	7.04
		AvgRF	CCRF	%Dev			
10	Carbon Tetrachloride	0.766	0.745	2.7	102	0.00	7.21
11	1,1,1-Trichloroethane	0.945	0.902	4.6	102	0.00	7.28
12	Benzene	2.002	1.988	0.7	104	0.00	7.65
13 S	1,2-Dichloroethane-d4	0.430	0.402	6.5	104	0.00	7.78
14	1,2-Dichloroethane	0.773	0.734	5.0	102	0.00	7.85
15	Trichloroethene	0.571	0.570	0.2	103	0.00	8.21
16	1,2-Dichloropropane	0.520	0.511	1.7	105	0.00	8.74
		Amount	Calc.	%Drift			
17	cis-1,3-Dichloropropene	10.000	9.173	8.3	97	0.00	9.39
		AvgRF	CCRF	%Dev			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.13
19 S	Toluene-d8	1.030	0.954	7.4	101	0.00	9.58
		Amount	Calc.	%Drift			
20	trans-1,3-Dichloropropene	10.000	9.755	2.4	103	0.00	10.02
		AvgRF	CCRF	%Dev			
21	Tetrachloroethene	0.668	0.597	10.6	96	0.00	10.02

Initial Calibration Verification

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2584-ICV2584
Lab FileID: Z65713.D

22	1,4-Dichlorobenzene	1.339	1.398	-4.4	107	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.618	3.8	103	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 09:45:07 2021

Continuing Calibration Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2585-CC2584
Lab FileID: Z65716.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65716.D Vial: 3
Acq On : 3 Sep 2021 10:03 am Operator: CHARLENG
Sample : cc2584-5 Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00	8.05
2		Vinyl Chloride	0.823	0.679	17.5	94	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	8.287	17.1	94	0.00	3.27
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.795	3.4	104	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	11.200	-12.0	125	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.730	4.3	103	0.00	5.54
7		1,1-Dichloroethane	0.992	0.918	7.5	103	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.524	4.7	105	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	9.171	8.3	104	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.747	2.5	105	0.00	7.21
11		1,1,1-Trichloroethane	0.945	0.911	3.6	106	0.00	7.28
12		Benzene	2.002	1.930	3.6	104	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.391	9.1	105	0.00	7.78
14		1,2-Dichloroethane	0.773	0.704	8.9	102	0.00	7.85
15		Trichloroethene	0.571	0.565	1.1	106	0.00	8.21
16		1,2-Dichloropropane	0.520	0.493	5.2	105	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.827	11.7	96	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	11.12
19	S	Toluene-d8	1.030	0.990	3.9	104	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.641	13.6	90	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.630	5.7	101	0.00	10.02

Continuing Calibration Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-CC2584
Lab FileID: Z65716.D

22	1,4-Dichlorobenzene	1.339	1.305	2.5	100	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	7.880	21.2#	84	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Fri Sep 03 10:47:47 2021

Continuing Calibration Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-03\Z65735.D Vial: 22
Acq On : 3 Sep 2021 5:15 pm Operator: CHARLENG
Sample : ECC2584-5 Inst : MSVOA15
Misc : MS49713,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Fri Sep 03 09:41:21 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	8.05
2		Vinyl Chloride	0.823	0.866	-5.2	97	0.00	3.39
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	10.712	-7.1	96	0.00	3.28
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.823	0.903	-9.7	95	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	15.996	-60.0#	140	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.763	0.820	-7.5	94	0.00	5.54
7		1,1-Dichloroethane	0.992	1.044	-5.2	95	0.00	6.22
8		cis-1,2-Dichloroethene	0.550	0.568	-3.3	92	0.00	6.79
			Amount	Calc.	%Drift			
9		Chloroform	10.000	10.308	-3.1	95	0.00	7.04
			AvgRF	CCRF	%Dev			
10		Carbon Tetrachloride	0.766	0.829	-8.2	95	0.00	7.21
11		1,1,1-Trichloroethane	0.945	1.007	-6.6	95	0.00	7.28
12		Benzene	2.002	2.134	-6.6	93	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.430	0.428	0.5	93	0.00	7.78
14		1,2-Dichloroethane	0.773	0.786	-1.7	92	0.00	7.85
15		Trichloroethene	0.571	0.628	-10.0	95	0.00	8.21
16		1,2-Dichloropropane	0.520	0.522	-0.4	89	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.031	9.7	79	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00	11.13
19	S	Toluene-d8	1.030	0.932	9.5	81	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	9.385	6.2	81	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.668	0.645	3.4	85	0.00	10.02

Continuing Calibration Summary

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2585-ECC2584
Lab FileID: Z65735.D

22	1,4-Dichlorobenzene	1.339	1.413	-5.5	89	0.00	13.41
		Amount	Calc.	%Drift			
23	1,2-Dibromo-3-Chloropropa	10.000	9.902	1.0	88	0.00	14.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65709.D SIMCL-09-02-2021.M Sat Sep 04 08:53:54 2021

Run Sequence Report

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2584 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2584-BFB	Z65701.D	09/02/21 12:35	n/a	BFB Tune
VZ2584-IC2584	Z65705.D	09/02/21 14:48	n/a	Initial cal 1
VZ2584-IC2584	Z65706.D	09/02/21 15:08	n/a	Initial cal 2
VZ2584-IC2584	Z65707.D	09/02/21 15:29	n/a	Initial cal 3
VZ2584-IC2584	Z65708.D	09/02/21 15:49	n/a	Initial cal 4
VZ2584-ICC2584	Z65709.D	09/02/21 16:10	n/a	Initial cal 5
VZ2584-IC2584	Z65710.D	09/02/21 16:30	n/a	Initial cal 6
VZ2584-IC2584	Z65711.D	09/02/21 16:51	n/a	Initial cal 7
VZ2584-ICV2584	Z65713.D	09/02/21 17:32	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FA88605
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2585 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2585-BFB	Z65715.D	09/03/21 09:43	n/a	BFB Tune
VZ2585-CC2584	Z65716.D	09/03/21 10:03	n/a	Continuing cal 5
VZ2585-BS	Z65717.D	09/03/21 10:23	n/a	Blank Spike
VZ2585-MB	Z65718.D	09/03/21 10:44	n/a	Method Blank
ZZZZZZ	Z65720.D	09/03/21 11:27	n/a	(unrelated sample)
ZZZZZZ	Z65721.D	09/03/21 11:48	n/a	(unrelated sample)
ZZZZZZ	Z65722.D	09/03/21 12:08	n/a	(unrelated sample)
FA88607-3	Z65723.D	09/03/21 12:28	n/a	(used for QC only; not part of job FA88605)
ZZZZZZ	Z65724.D	09/03/21 12:49	n/a	(unrelated sample)
FA88605-1	Z65725.D	09/03/21 13:09	n/a	2135W0BW216F
FA88605-2	Z65726.D	09/03/21 13:30	n/a	2135W0BW217D
ZZZZZZ	Z65727.D	09/03/21 13:50	n/a	(unrelated sample)
ZZZZZZ	Z65730.D	09/03/21 14:52	n/a	(unrelated sample)
ZZZZZZ	Z65731.D	09/03/21 15:12	n/a	(unrelated sample)
FA88607-3MS	Z65733.D	09/03/21 16:34	n/a	Matrix Spike
FA88607-3MSD	Z65734.D	09/03/21 16:54	n/a	Matrix Spike Duplicate
VZ2585-ECC2584	Z65735.D	09/03/21 17:15	n/a	Ending cal 5

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65725.D
Acq On : 3 Sep 2021 1:09 pm
Operator : CHARLENG
Sample : FA88605-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 14:52:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	38685	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.129	117	28279	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	20038	6.03	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 120.60%			
19) Toluene-d8	9.582	98	30666	5.26	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 105.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.369	49	8891	1.41	ug/L	# 59
9) Chloroform	7.039	83	2712m	0.28	ug/L	
10) Carbon Tetrachloride	7.213	117	36917	6.23	ug/L	97

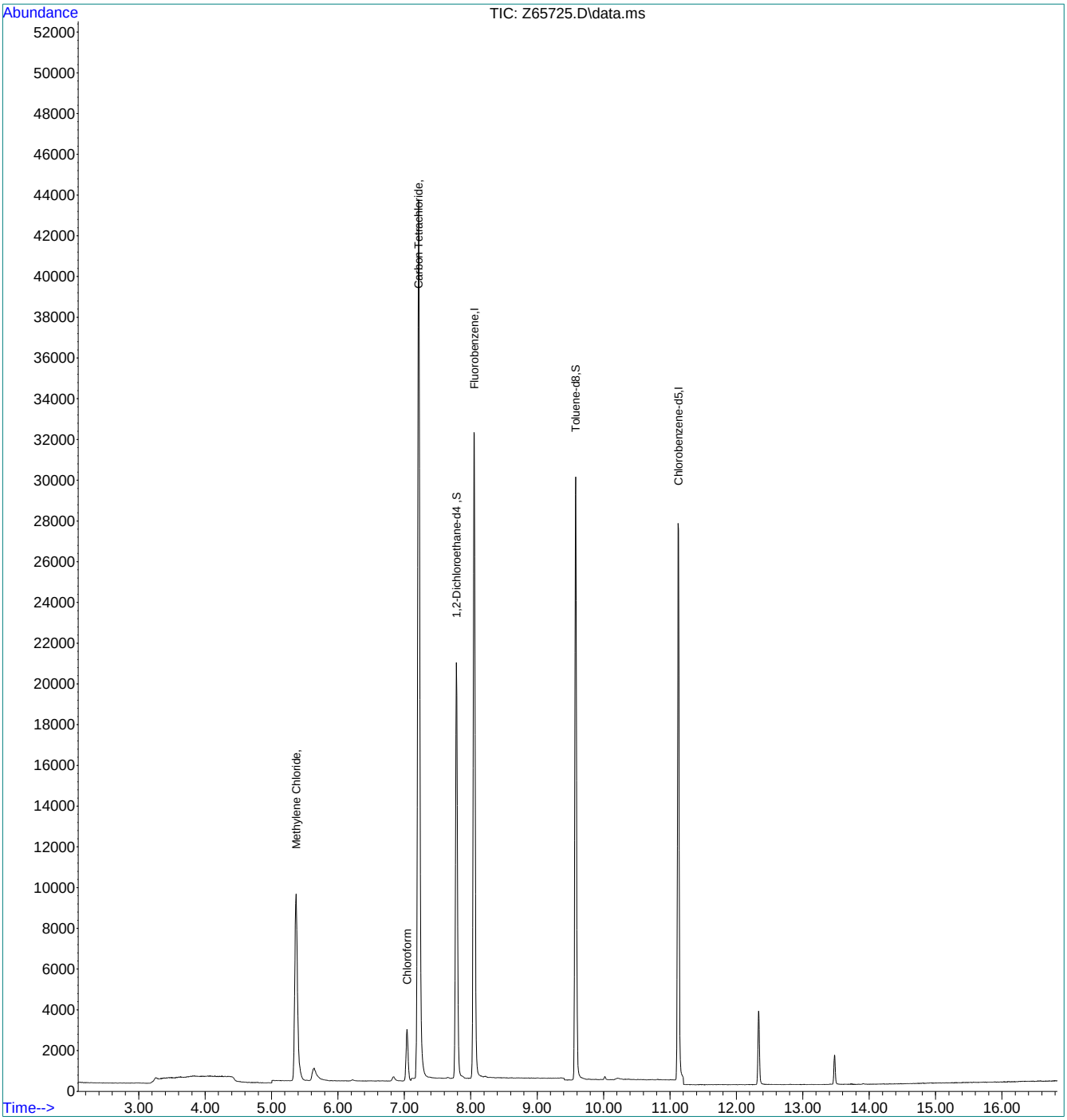
(#) = qualifier out of range (m) = manual integration (+) = signals summed

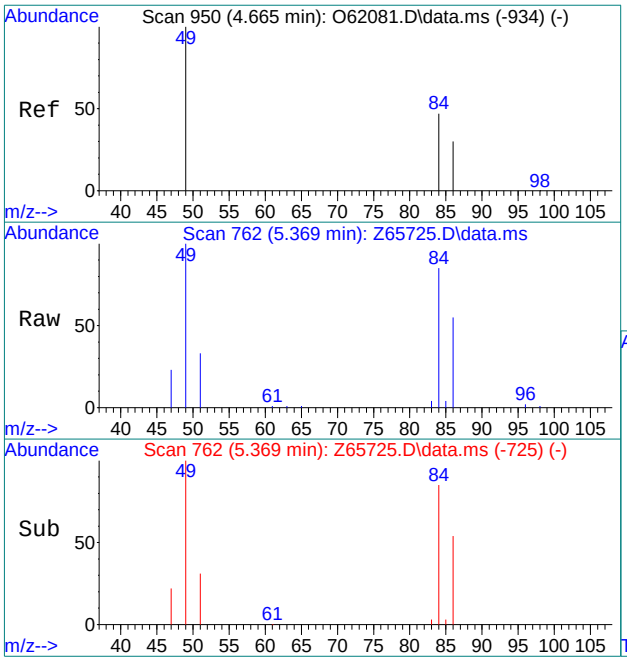
7.1.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65725.D
Acq On : 3 Sep 2021 1:09 pm
Operator : CHARLENG
Sample : FA88605-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 14:52:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

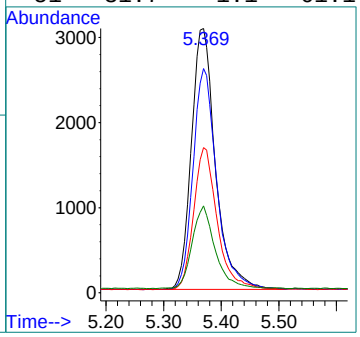


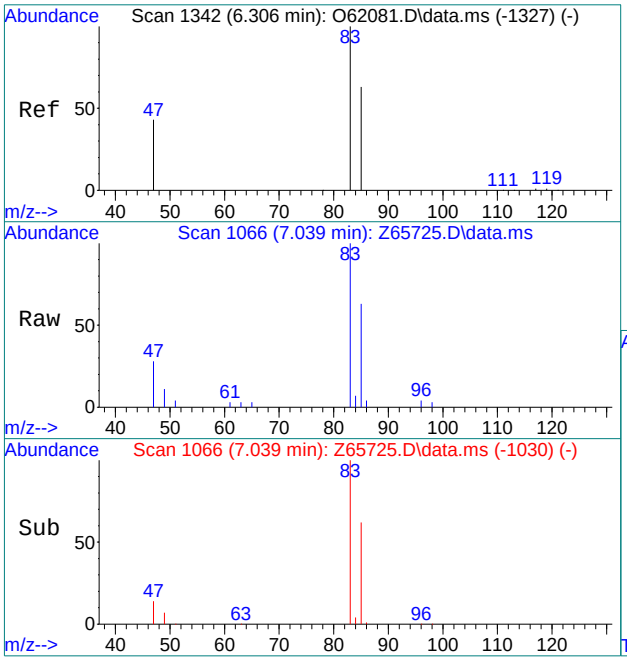


#5
Methylene Chloride
Concen: 1.41 ug/L
RT: 5.369 min Scan# 762
Delta R.T. 0.005 min
Lab File: Z65725.D
Acq: 3 Sep 2021 1:09 pm

Tgt Ion: 49 Resp: 8891

Ion	Ratio	Lower	Upper
49	100		
84	84.6	13.9	73.9#
86	54.3	0.0	58.0
51	31.7	1.1	61.1

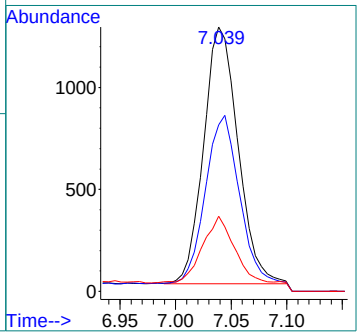


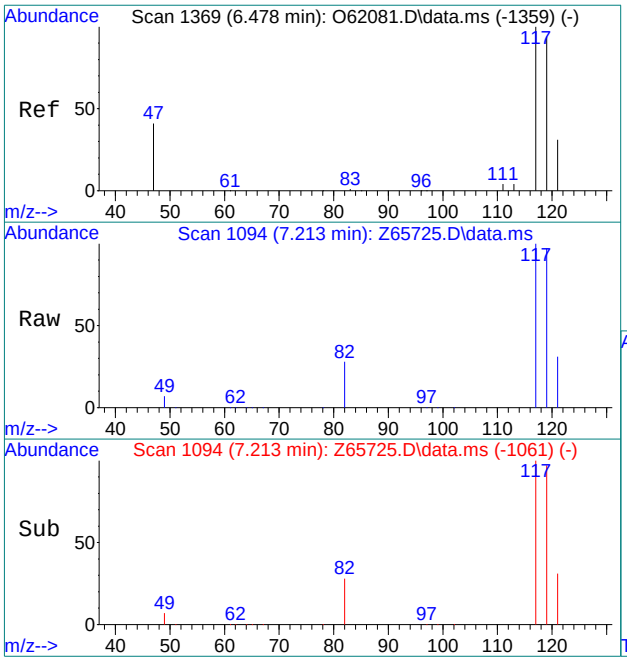


#9
Chloroform
Concen: 0.28 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65725.D
Acq: 3 Sep 2021 1:09 pm

Tgt Ion: 83 Resp: 2712

Ion	Ratio	Lower	Upper
83	100		
85	63.0	34.3	94.3
47	28.5	13.3	73.3

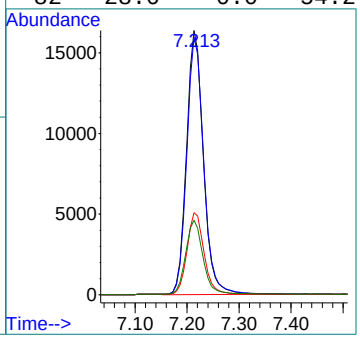




#10
Carbon Tetrachloride
Concen: 6.23 ug/L
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65725.D
Acq: 3 Sep 2021 1:09 pm

Tgt Ion:117 Resp: 36917

Ion	Ratio	Lower	Upper
117	100		
119	97.4	64.8	124.8
121	30.9	1.6	61.6
82	28.0	0.0	54.2



Manual Integration Approval Summary

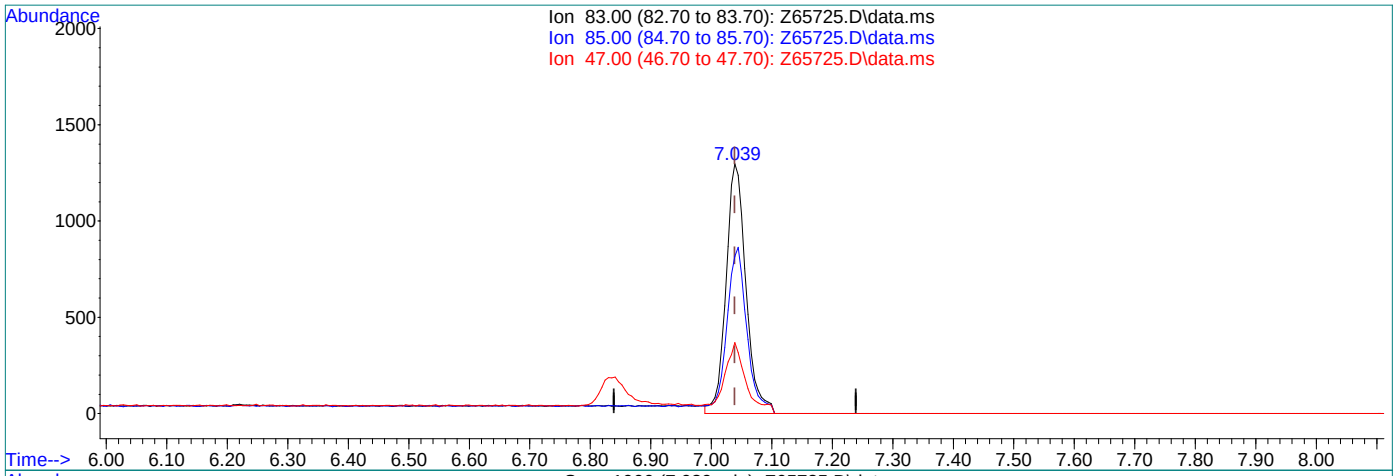
Sample Number: FA88605-1
Lab FileID: Z65725.D
Injection Time: 09/03/21 13:09
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

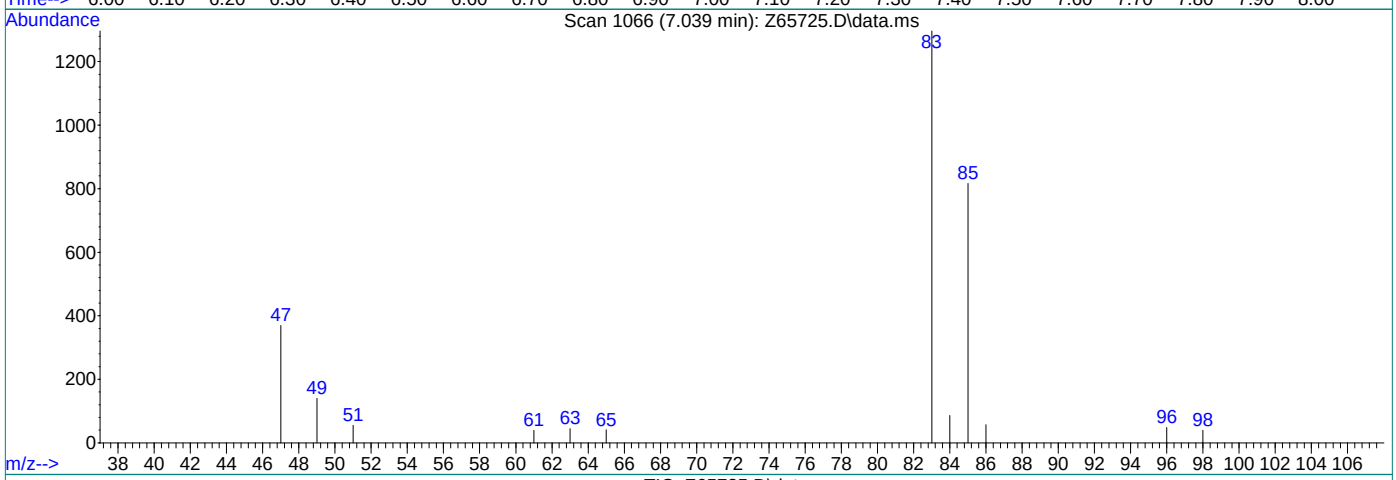
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65725.D
Acq On : 3 Sep 2021 1:09 pm
Operator : CHARLENG
Sample : FA88605-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 14:51:53 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65725.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.31ug/L

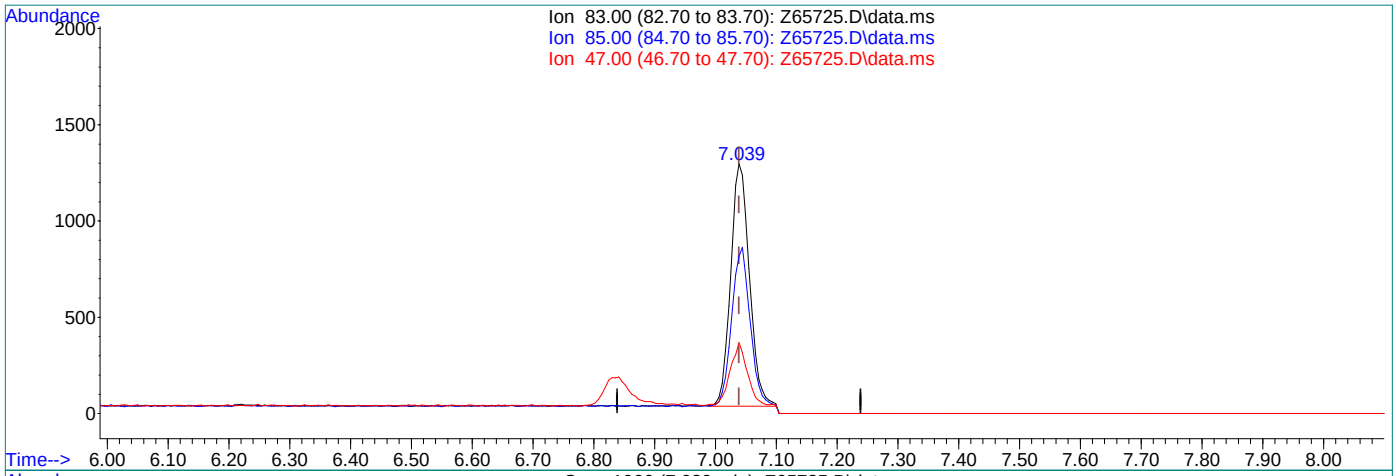
response 2994

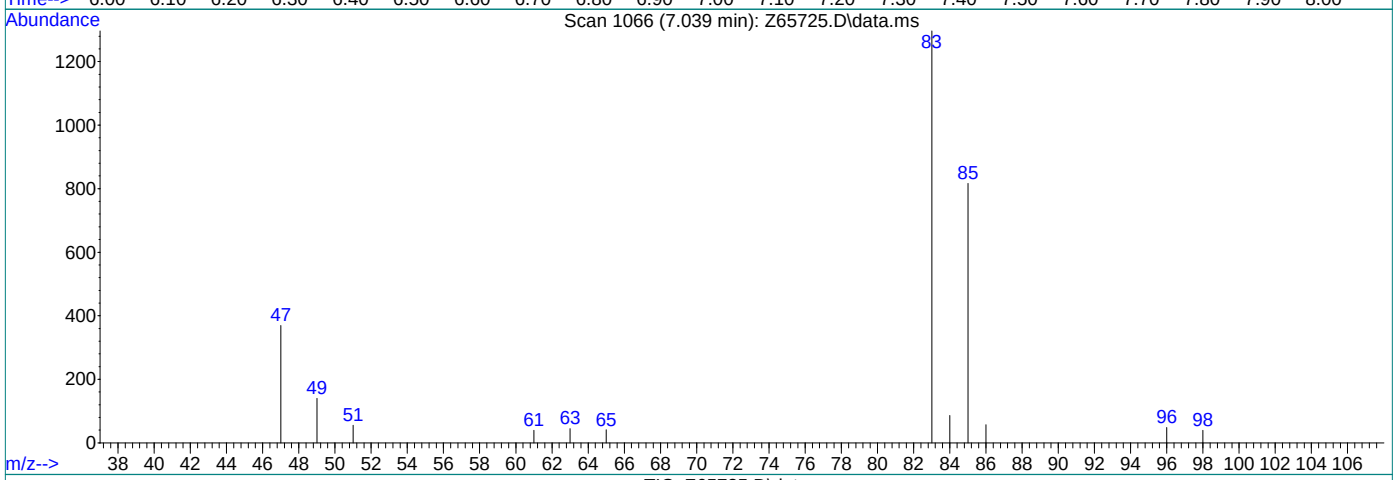
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	62.99
47.00	43.30	28.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65725.D
Acq On : 3 Sep 2021 1:09 pm
Operator : CHARLENG
Sample : FA88605-1
Misc : MS49713,VZ2585,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 14:51:53 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65725.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.28ug/L m

response 2712

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	62.99
47.00	43.30	28.45
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65726.D
Acq On : 3 Sep 2021 1:30 pm
Operator : CHARLENG
Sample : FA88605-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 14:52:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	35025	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	27050	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18650	6.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 124.00%			
19) Toluene-d8	9.582	98	27340	4.90	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	8402	1.47	ug/L	# 62
9) Chloroform	7.039	83	2498m	0.29	ug/L	
10) Carbon Tetrachloride	7.213	117	34376	6.40	ug/L	97

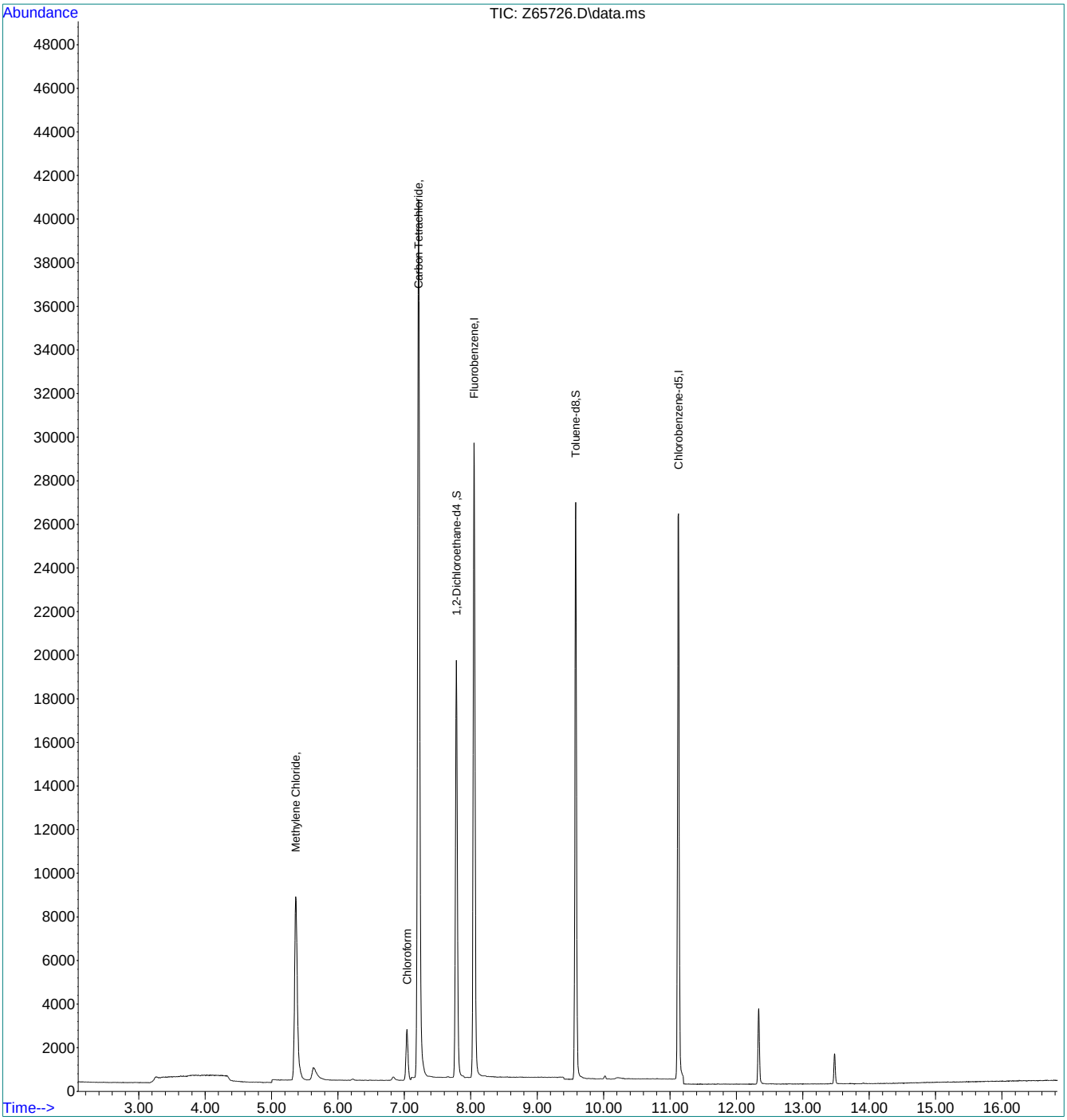
(#) = qualifier out of range (m) = manual integration (+) = signals summed

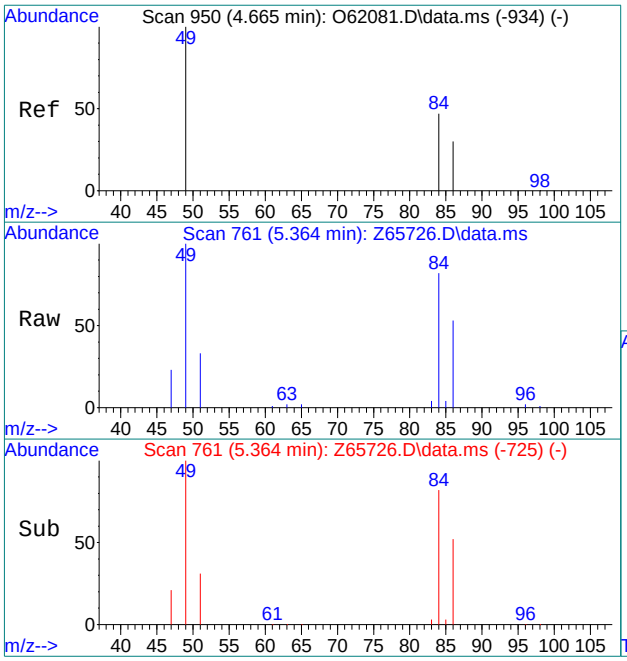
7.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65726.D
Acq On : 3 Sep 2021 1:30 pm
Operator : CHARLENG
Sample : FA88605-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 14:52:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

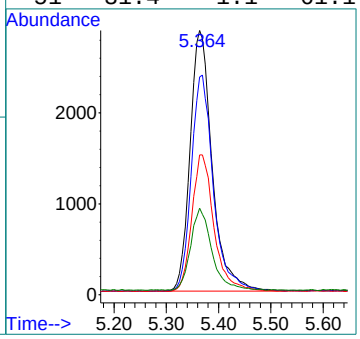


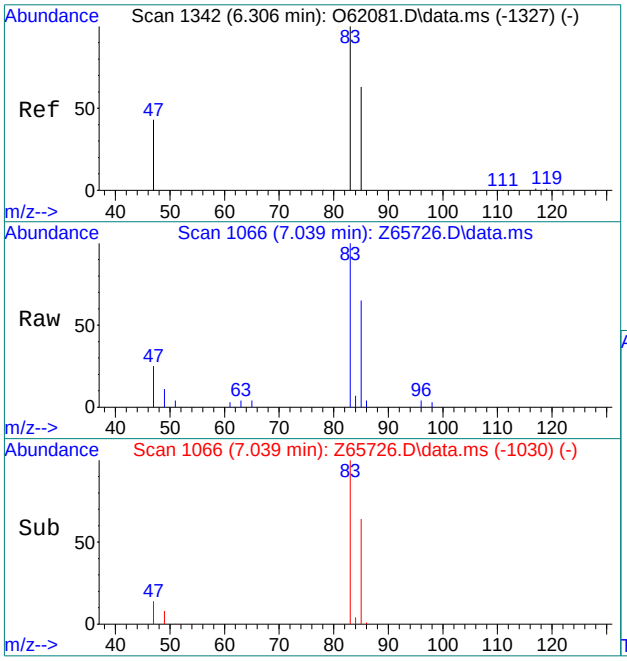


#5
Methylene Chloride
Concen: 1.47 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65726.D
Acq: 3 Sep 2021 1:30 pm

Tgt Ion: 49 Resp: 8402

Ion	Ratio	Lower	Upper
49	100		
84	82.2	13.9	73.9#
86	52.2	0.0	58.0
51	31.4	1.1	61.1

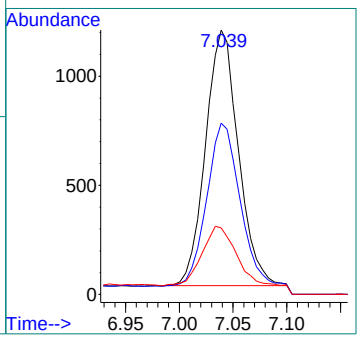


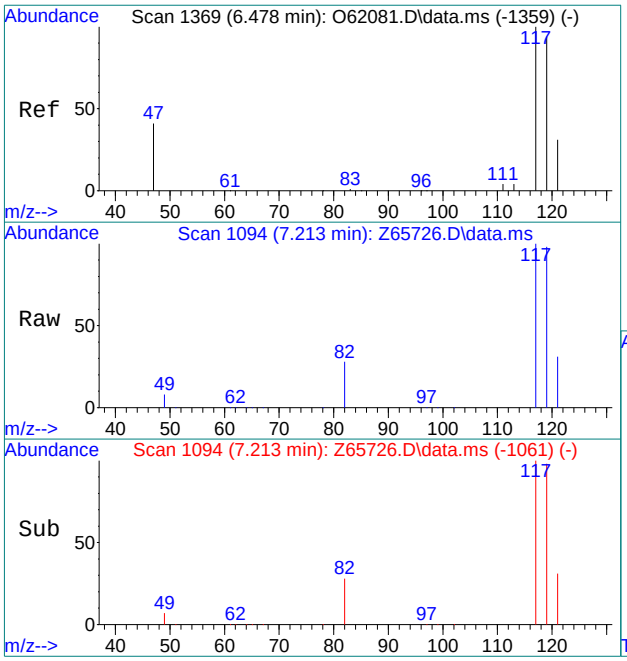


#9
Chloroform
Concen: 0.29 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65726.D
Acq: 3 Sep 2021 1:30 pm

Tgt Ion: 83 Resp: 2498

Ion	Ratio	Lower	Upper
83	100		
85	64.8	34.3	94.3
47	25.2	13.3	73.3

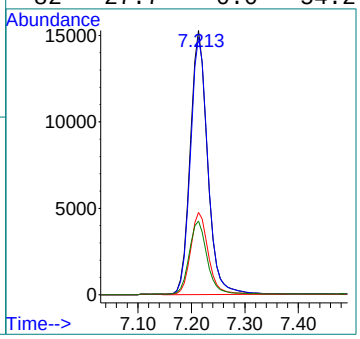




#10
Carbon Tetrachloride
Concen: 6.40 ug/L
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65726.D
Acq: 3 Sep 2021 1:30 pm

Tgt Ion:117 Resp: 34376

Ion	Ratio	Lower	Upper
117	100		
119	97.5	64.8	124.8
121	31.0	1.6	61.6
82	27.7	0.0	54.2



Manual Integration Approval Summary

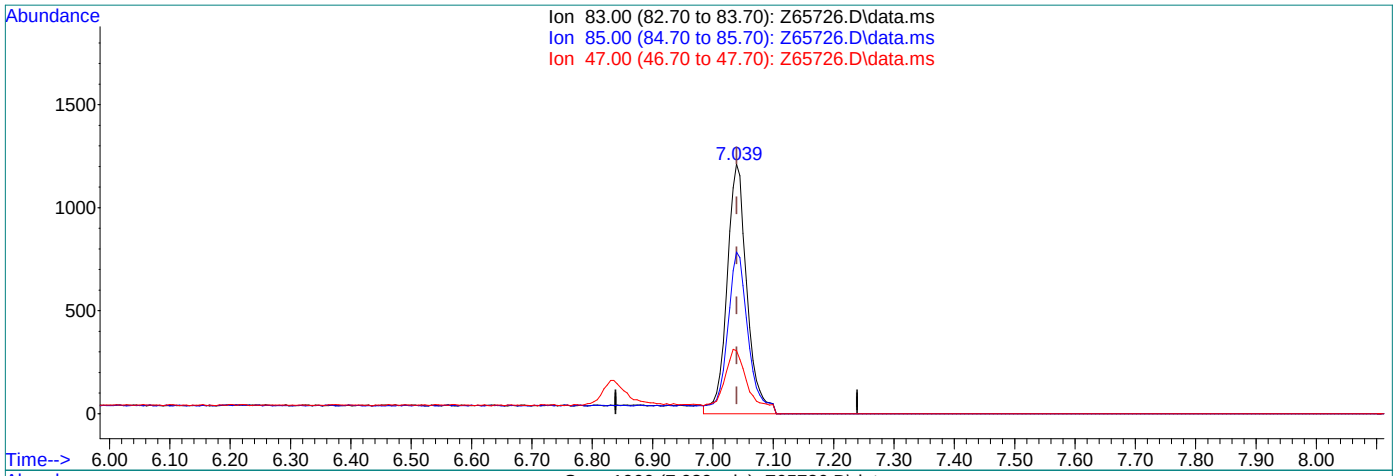
Sample Number: FA88605-2
Lab FileID: Z65726.D
Injection Time: 09/03/21 13:30
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

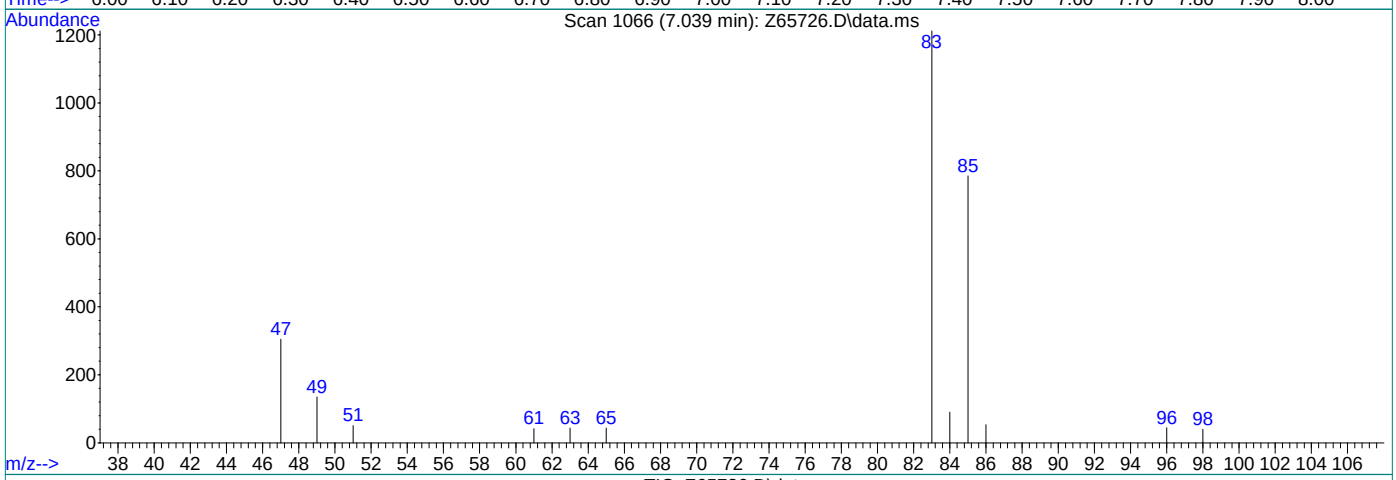
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65726.D
Acq On : 3 Sep 2021 1:30 pm
Operator : CHARLENG
Sample : FA88605-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 14:52:14 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65726.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.32ug/L

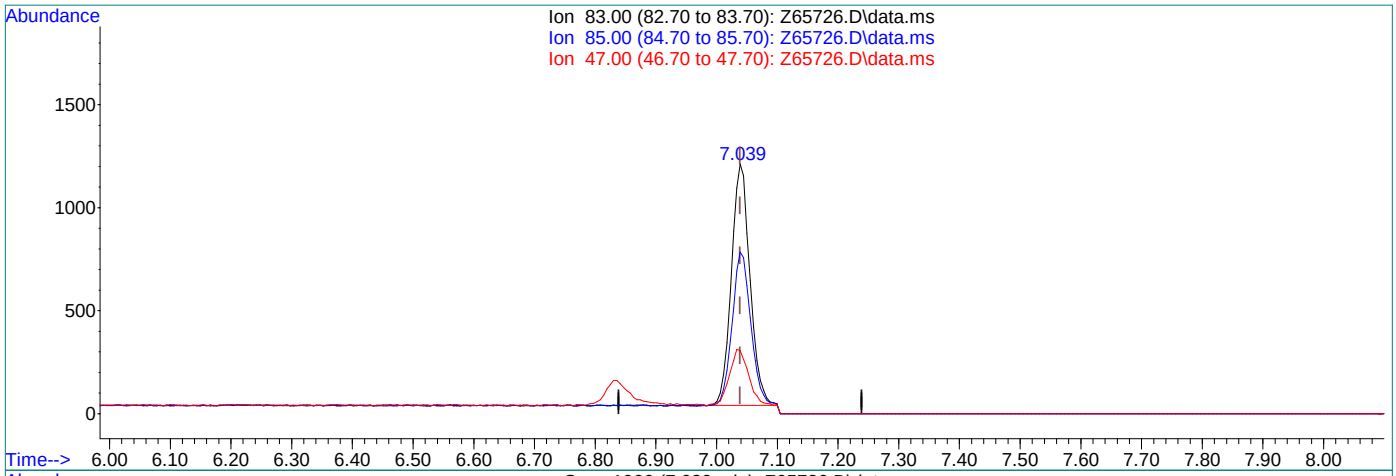
response 2803

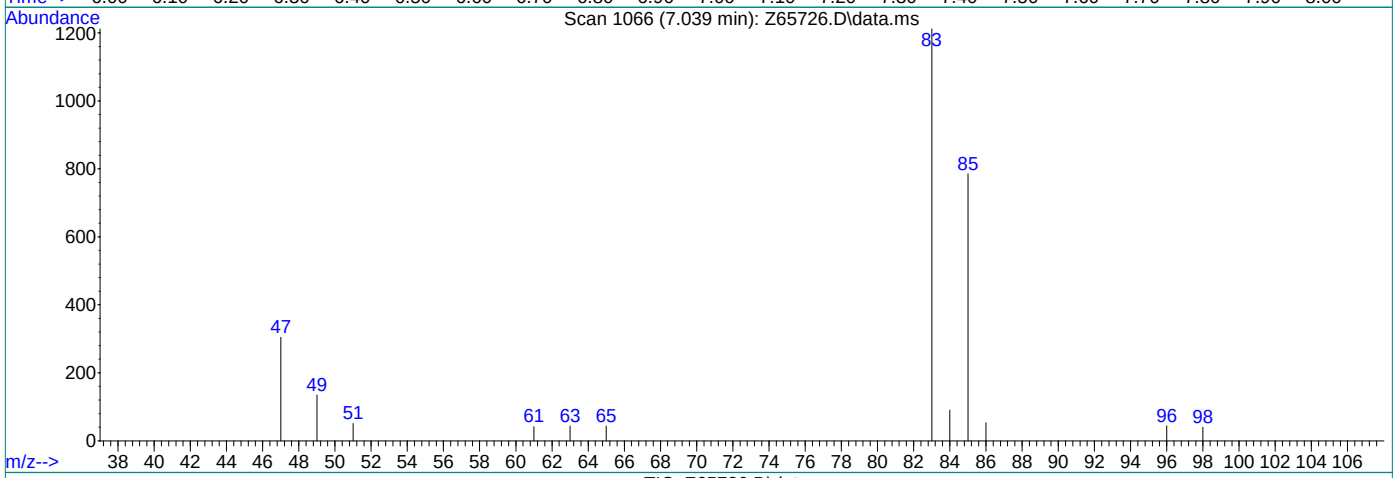
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.77
47.00	43.30	25.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65726.D
Acq On : 3 Sep 2021 1:30 pm
Operator : CHARLENG
Sample : FA88605-2
Misc : MS49713,VZ2585,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 14:52:14 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65726.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.29ug/L m

response 2498

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.77
47.00	43.30	25.17
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

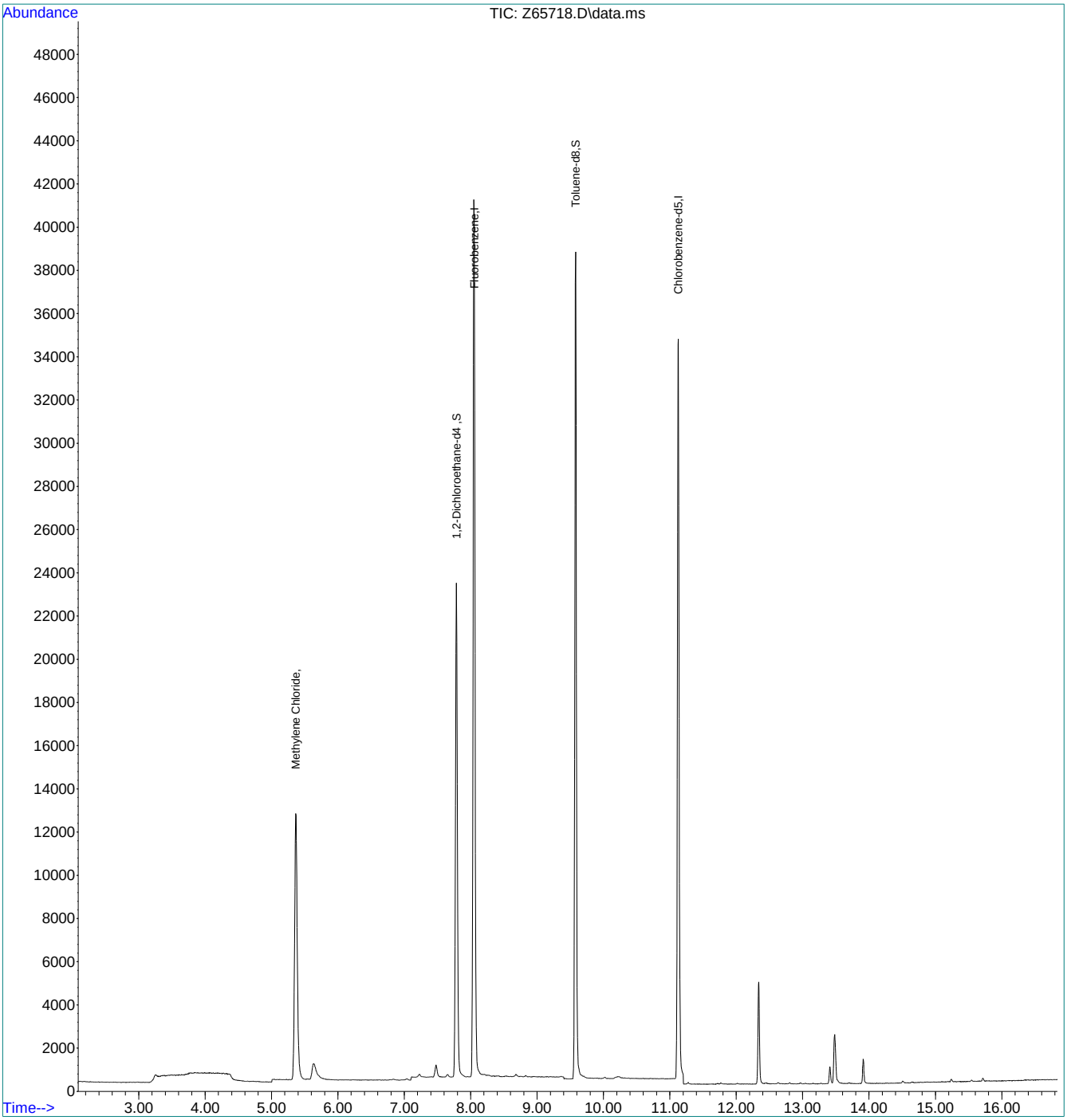
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.054	96	49294	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	34756	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	22199	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	9.582	98	39126	5.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 109.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	11597	1.44	ug/L	# 62

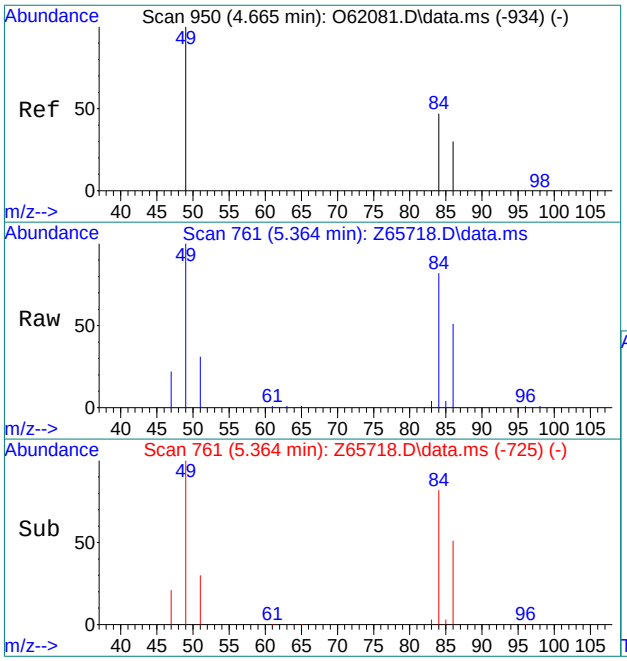
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65718.D
Acq On : 3 Sep 2021 10:44 am
Operator : CHARLENG
Sample : mb
Misc : MS49506,VZ2585,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 11:17:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

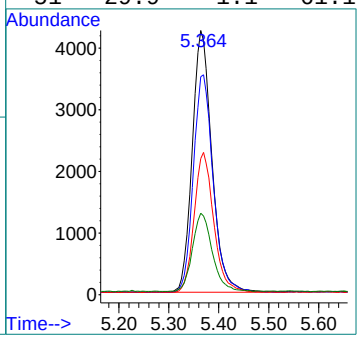




#5
Methylene Chloride
Concen: 1.44 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65718.D
Acq: 3 Sep 2021 10:44 am

Tgt Ion: 49 Resp: 11597

Ion	Ratio	Lower	Upper
49	100		
84	82.3	13.9	73.9#
86	51.0	0.0	58.0
51	29.9	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

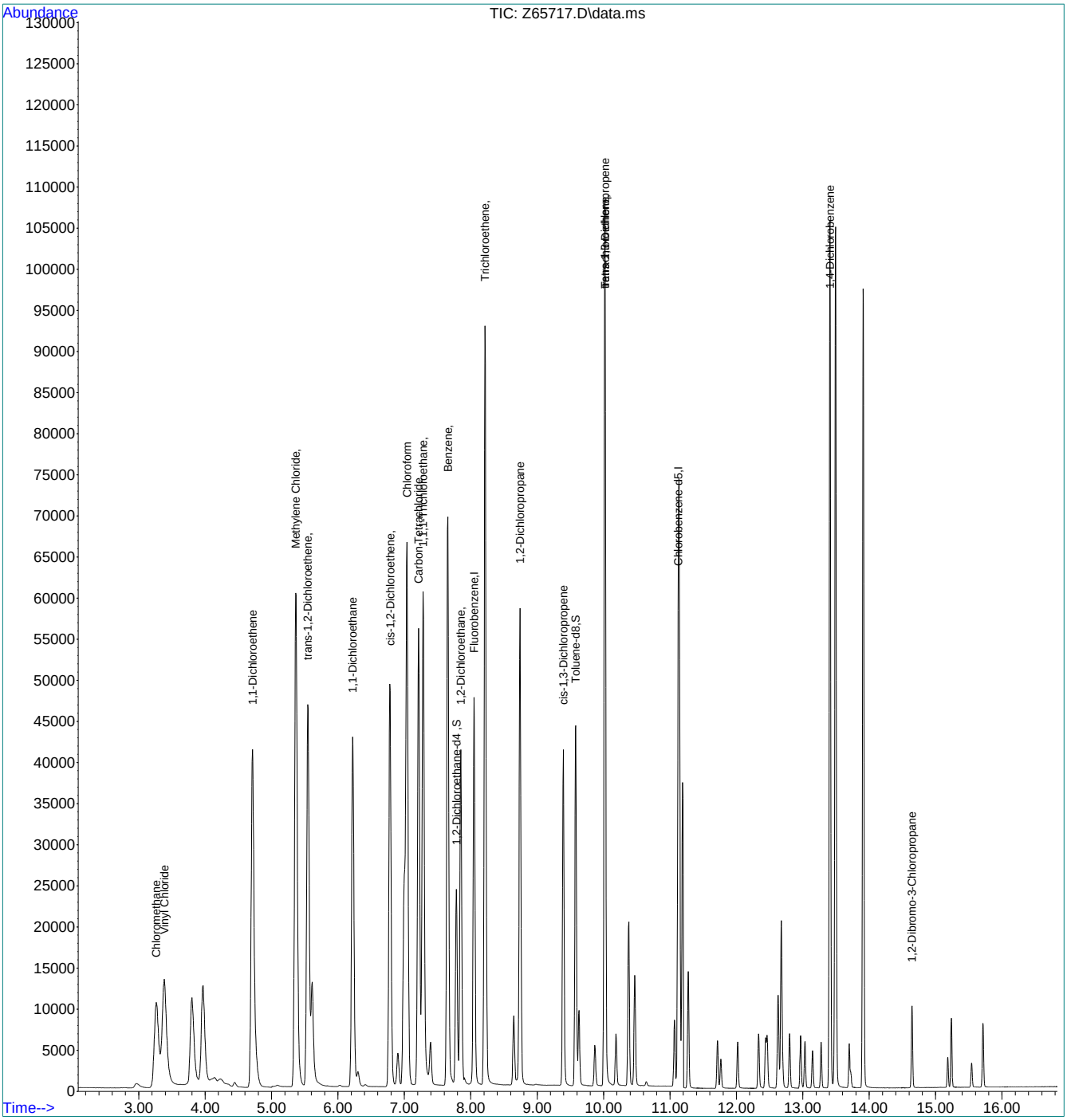
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56138	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	44608	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	22654	4.70	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 94.00%				
19) Toluene-d8	9.576	98	44678	4.86	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	39920	4.32	ug/L		97
3) Chloromethane	3.263	50	36326	4.09	ug/L		98
4) 1,1-Dichloroethene	4.713	61	51442	5.56	ug/L		96
5) Methylene Chloride	5.364	49	56293	6.31	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	46160	5.39	ug/L		82
7) 1,1-Dichloroethane	6.221	63	60084	5.39	ug/L		96
8) cis-1,2-Dichloroethene	6.786	96	32101	5.20	ug/L	#	72
9) Chloroform	7.039	83	69706	5.02	ug/L		87
10) Carbon Tetrachloride	7.213	117	47633	5.54	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	56221	5.30	ug/L		89
12) Benzene	7.655	78	118144	5.26	ug/L		78
14) 1,2-Dichloroethane	7.851	62	41494	4.78	ug/L		85
15) Trichloroethene	8.214	95	34019	5.30	ug/L		95
16) 1,2-Dichloropropane	8.742	63	29547	5.06	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	34710	4.61	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	33070	5.02	ug/L	#	72
21) Tetrachloroethene	10.022	166	31164	5.23	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	64187	5.37	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3808	4.27	ug/L	#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65717.D
Acq On : 3 Sep 2021 10:23 am
Operator : CHARLENG
Sample : bs
Misc : MS49506,VZ2585,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 10:46:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

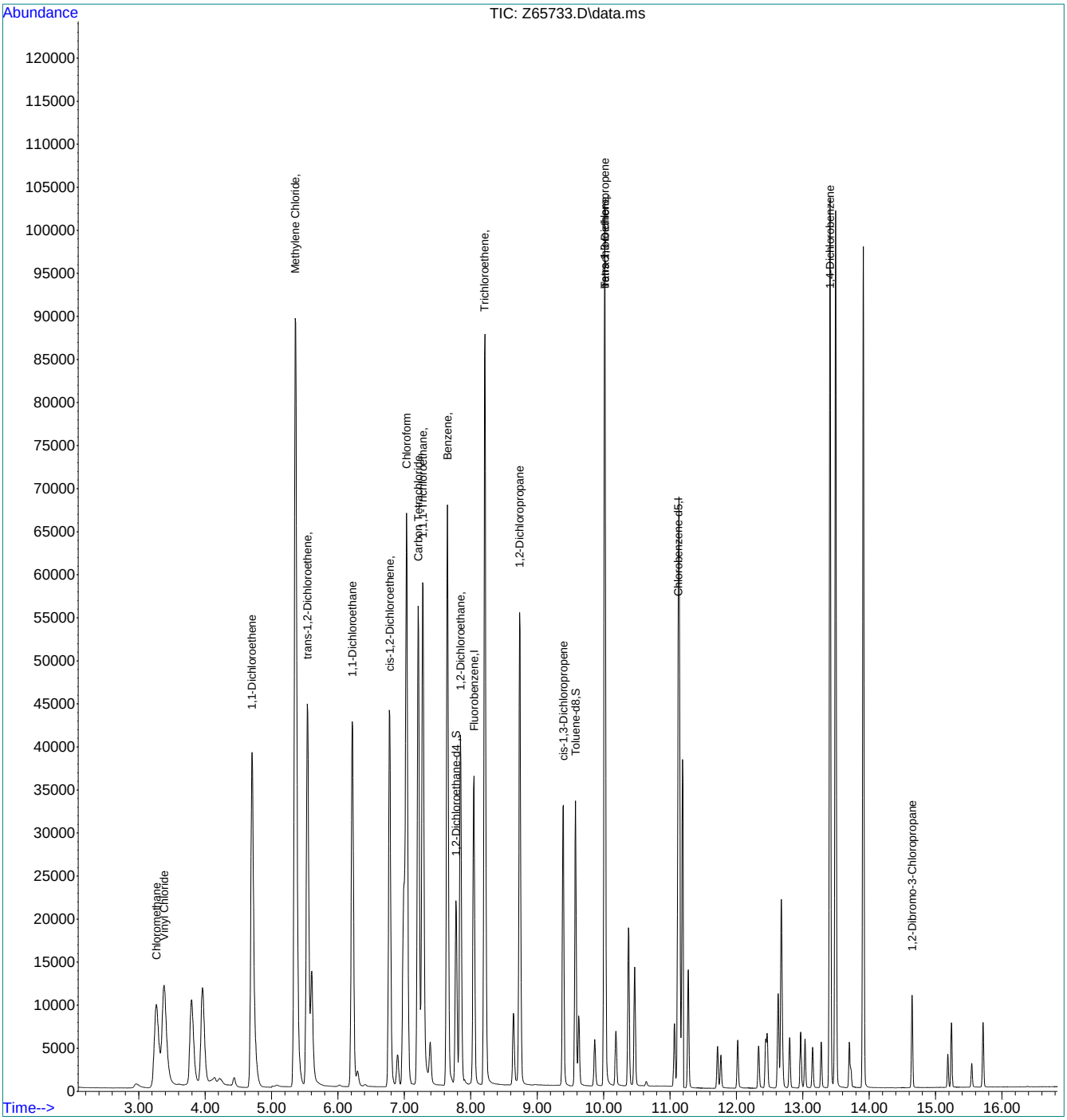
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	42576	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	37557	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.777	65	20296	5.55	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.00%				
19) Toluene-d8	9.576	98	32739	4.23	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 84.60%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	36385	5.19	ug/L		97
3) Chloromethane	3.267	50	34867	5.22	ug/L		98
4) 1,1-Dichloroethene	4.704	61	48377	6.90	ug/L		96
5) Methylene Chloride	5.358	49	82703	12.69	ug/L	#	62
6) trans-1,2-Dichloroethene	5.539	61	43001	6.62	ug/L		79
7) 1,1-Dichloroethane	6.215	63	58781	6.96	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	28083	6.00	ug/L	#	71
9) Chloroform	7.033	83	68453	6.50	ug/L		87
10) Carbon Tetrachloride	7.207	117	46770	7.17	ug/L		98
11) 1,1,1-Trichloroethane	7.275	97	55113	6.85	ug/L		89
12) Benzene	7.648	78	109688	6.44	ug/L		79
14) 1,2-Dichloroethane	7.845	62	42015	6.38	ug/L		86
15) Trichloroethene	8.208	95	32082	6.59	ug/L		97
16) 1,2-Dichloropropane	8.736	63	27566	6.23	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	28565	4.98	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	29356	5.27	ug/L	#	72
21) Tetrachloroethene	10.017	166	29464	5.87	ug/L	#	91
22) 1,4-Dichlorobenzene	13.410	146	62259	6.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4216	5.60	ug/L	#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65733.D
Acq On : 3 Sep 2021 4:34 pm
Operator : CHARLENG
Sample : FA88607-3MS
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 08:51:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

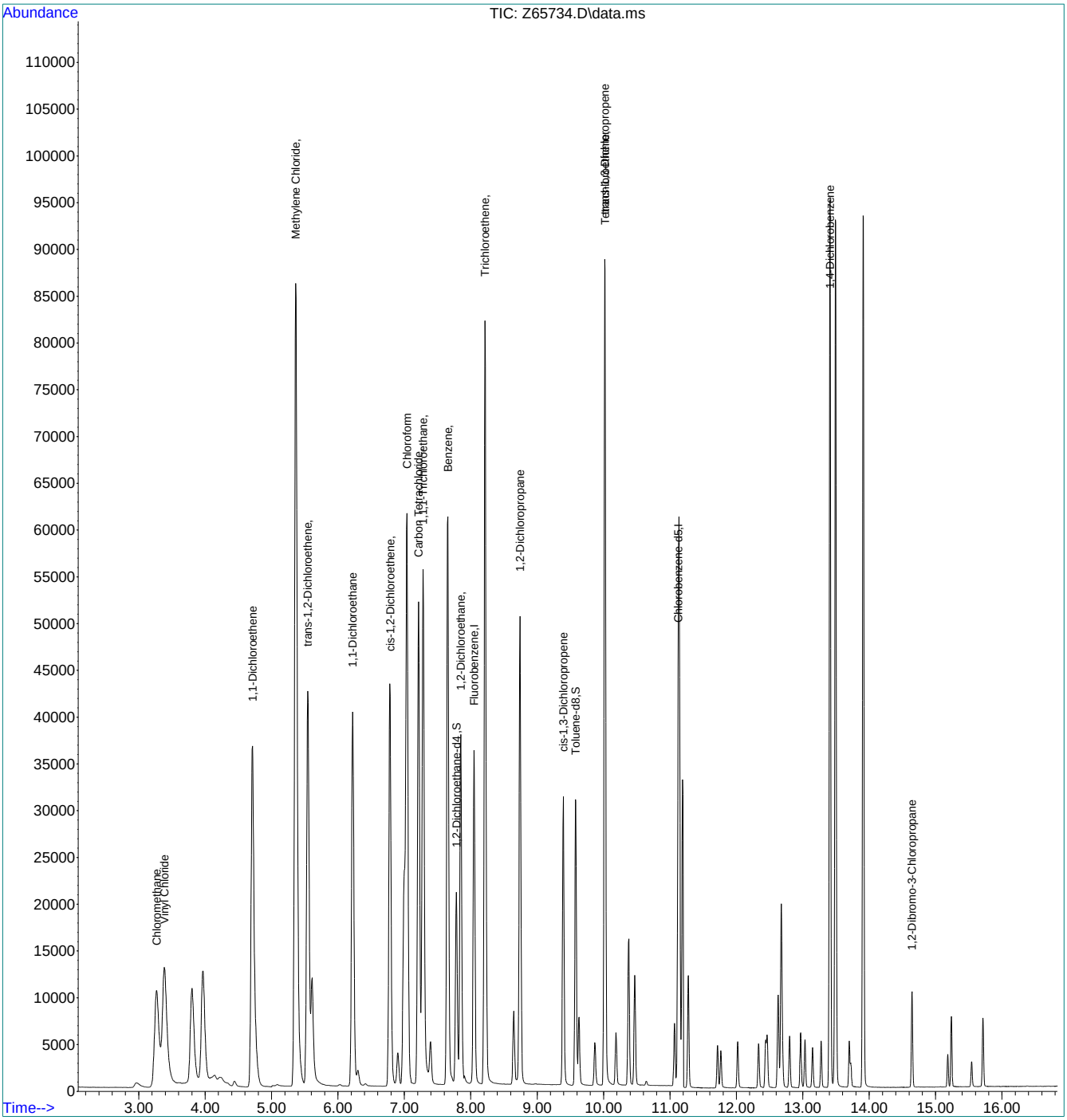
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	42339	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	34132	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	19533	5.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.40%			
19) Toluene-d8	9.576	98	31522	4.48	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.389	62	39747	5.71	ug/L	96
3) Chloromethane	3.272	50	37040	5.59	ug/L	99
4) 1,1-Dichloroethene	4.713	61	47396	6.80	ug/L	96
5) Methylene Chloride	5.364	49	81965	12.65	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	41876	6.48	ug/L	79
7) 1,1-Dichloroethane	6.221	63	56081	6.68	ug/L	96
8) cis-1,2-Dichloroethene	6.786	96	27663	5.94	ug/L #	72
9) Chloroform	7.039	83	64502	6.15	ug/L	87
10) Carbon Tetrachloride	7.213	117	43372	6.68	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	51230	6.40	ug/L	89
12) Benzene	7.655	78	103166	6.09	ug/L	78
14) 1,2-Dichloroethane	7.851	62	38463	5.88	ug/L	85
15) Trichloroethene	8.214	95	29830	6.17	ug/L	94
16) 1,2-Dichloropropane	8.742	63	25144	5.71	ug/L	87
17) cis-1,3-Dichloropropene	9.394	75	25993	4.58	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	25956	5.14	ug/L #	73
21) Tetrachloroethene	10.022	166	25884	5.67	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	56985	6.23	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3926	5.74	ug/L #	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65734.D
Acq On : 3 Sep 2021 4:54 pm
Operator : CHARLENG
Sample : FA88607-3MSD
Misc : MS49713,VZ2585,,,,,5
ALS Vial : 21 Sample Multiplier: 1

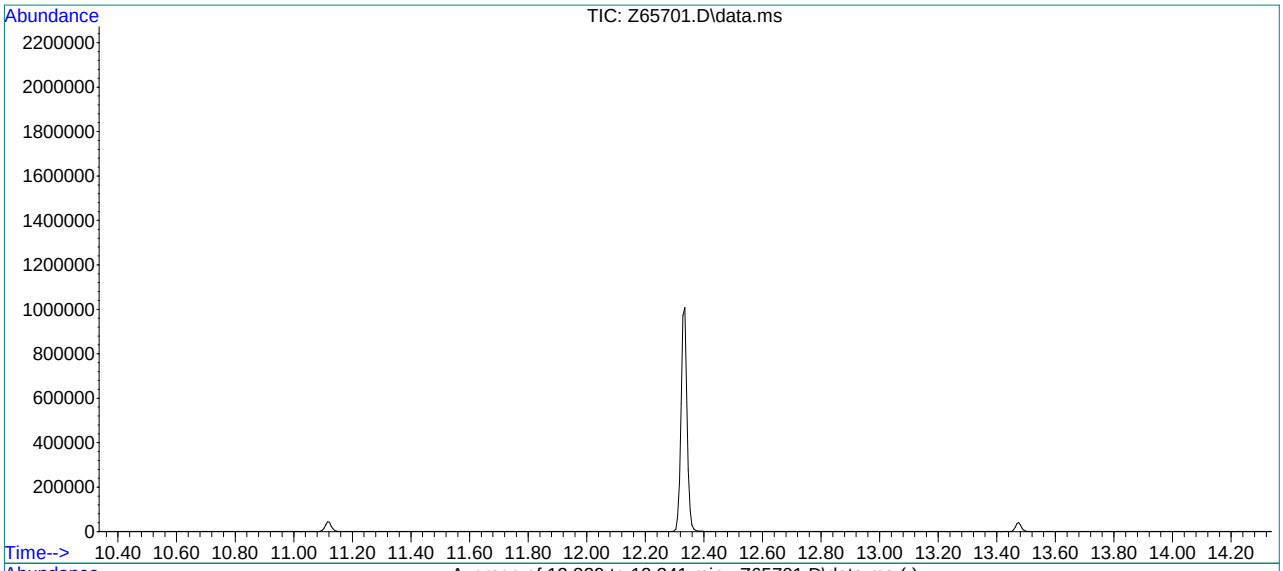
Quant Time: Sep 04 08:51:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-02\Z65701.D Vial: 2
Acq On : 2 Sep 2021 12:35 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2584,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-08-04-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1844, 1845, 1846; Background Corrected with Scan 1836

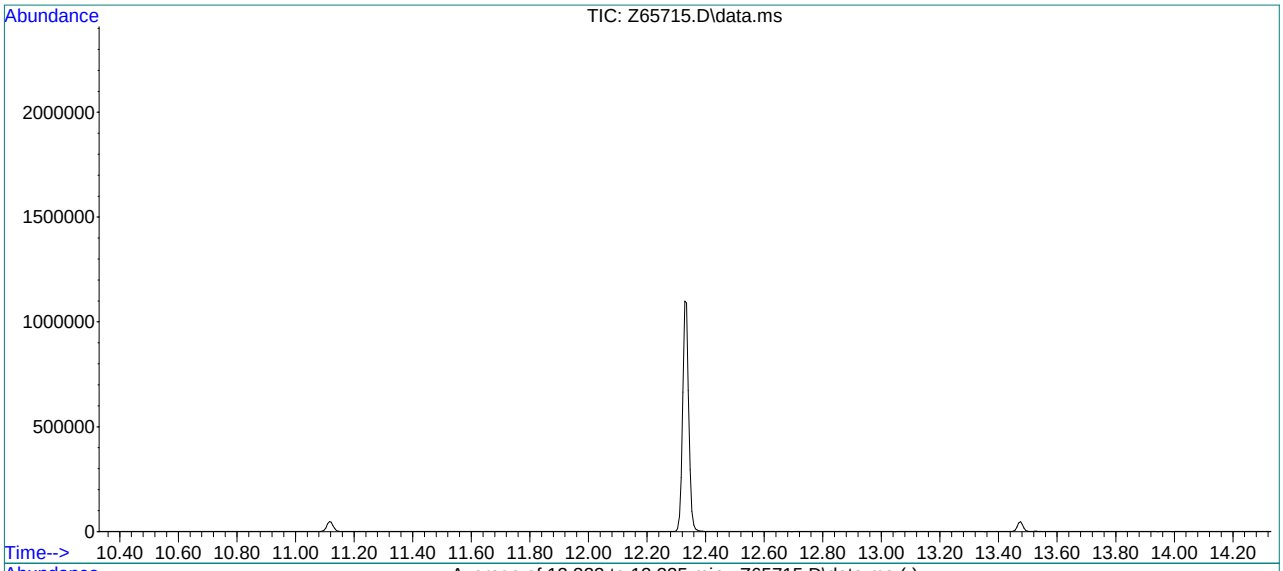
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	32941	PASS
75	95	30	60	56.1	91400	PASS
95	95	100	100	100.0	162995	PASS
96	95	5	9	6.9	11206	PASS
173	174	0.00	2	0.9	1242	PASS
174	95	50	100	86.5	140947	PASS
175	174	5	9	7.2	10204	PASS
176	174	95	101	99.6	140437	PASS
177	176	5	9	6.5	9114	PASS

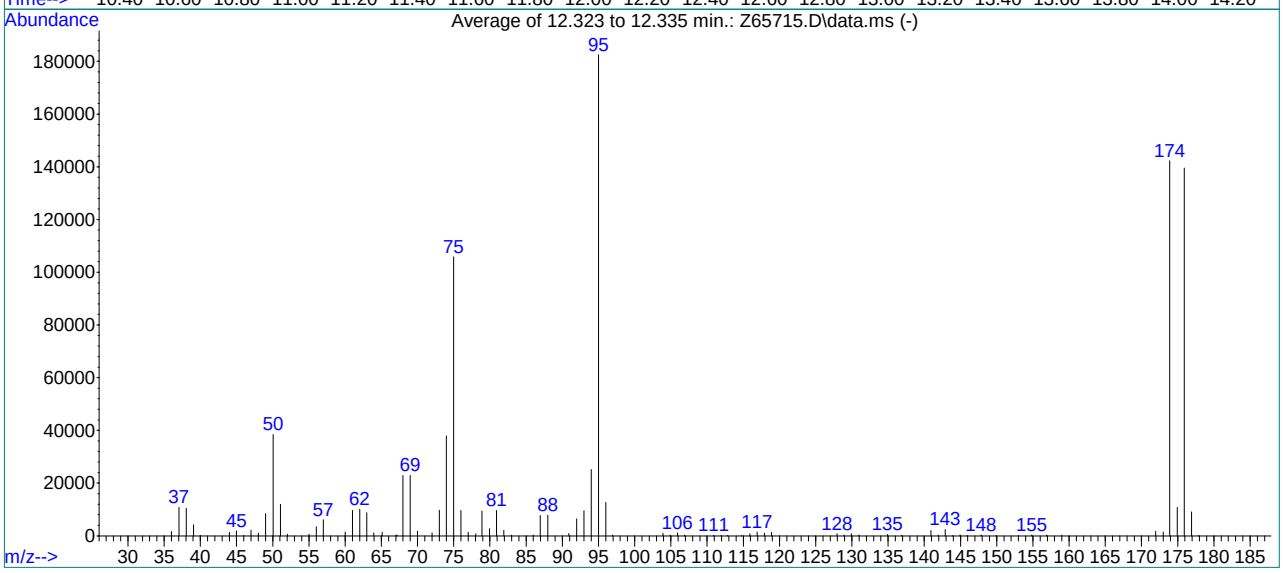
Z65701.D SIMCL-08-04-2021.M Fri Sep 03 09:33:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-03\Z65715.D Vial: 2
Acq On : 3 Sep 2021 9:43 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2585,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B





AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	38475	PASS
75	95	30	60	58.0	105853	PASS
95	95	100	100	100.0	182464	PASS
96	95	5	9	7.0	12727	PASS
173	174	0.00	2	1.0	1494	PASS
174	95	50	100	78.0	142331	PASS
175	174	5	9	7.6	10776	PASS
176	174	95	101	98.0	139501	PASS
177	176	5	9	6.5	9064	PASS

Z65715.D SIMCL-09-02-2021.M Fri Sep 03 10:47:03 2021

Manual Integrations APPROVED
(compounds with "m" flag)
Chelsea VanDenBurg
09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration

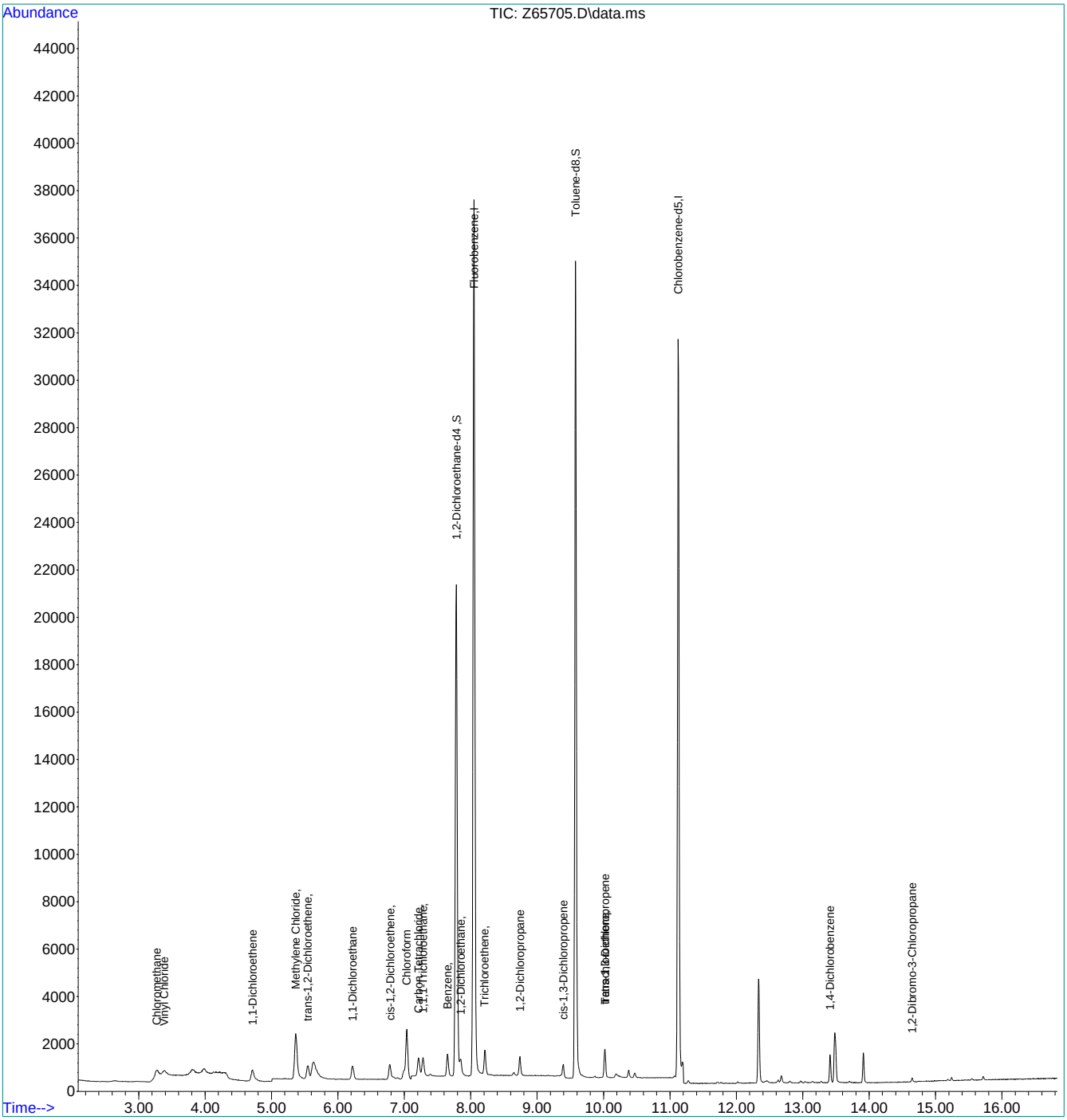
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	43726	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	31803	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	20759	7.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery =	145.80%#		
19) Toluene-d8	9.576	98	35071	5.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery =	106.60%		
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	775	0.10	ug/L	82
3) Chloromethane	3.272	50	1572m	0.22	ug/L	
4) 1,1-Dichloroethene	4.713	61	613	0.11	ug/L	92
5) Methylene Chloride	5.364	49	1910	0.30	ug/L #	59
6) trans-1,2-Dichloroethene	5.545	61	595	0.11	ug/L	80
7) 1,1-Dichloroethane	6.221	63	822	0.12	ug/L	97
8) cis-1,2-Dichloroethene	6.786	96	444	0.10	ug/L #	72
9) Chloroform	7.034	83	2250m	0.23	ug/L	
10) Carbon Tetrachloride	7.213	117	596m	0.12	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	693m	0.11	ug/L	
12) Benzene	7.648	78	1552	0.10	ug/L	80
14) 1,2-Dichloroethane	7.851	62	642	0.13	ug/L	84
15) Trichloroethene	8.208	95	408	0.10	ug/L	94
16) 1,2-Dichloropropane	8.742	63	404	0.12	ug/L	89
17) cis-1,3-Dichloropropene	9.394	75	452	0.10	ug/L #	71
20) trans-1,3-Dichloropropene	10.022	75	376	0.10	ug/L #	69
21) Tetrachloroethene	10.022	166	389	0.10	ug/L #	94
22) 1,4-Dichlorobenzene	13.410	146	766m	0.10	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	88m	0.19	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:36:27 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration



Manual Integration Approval Summary

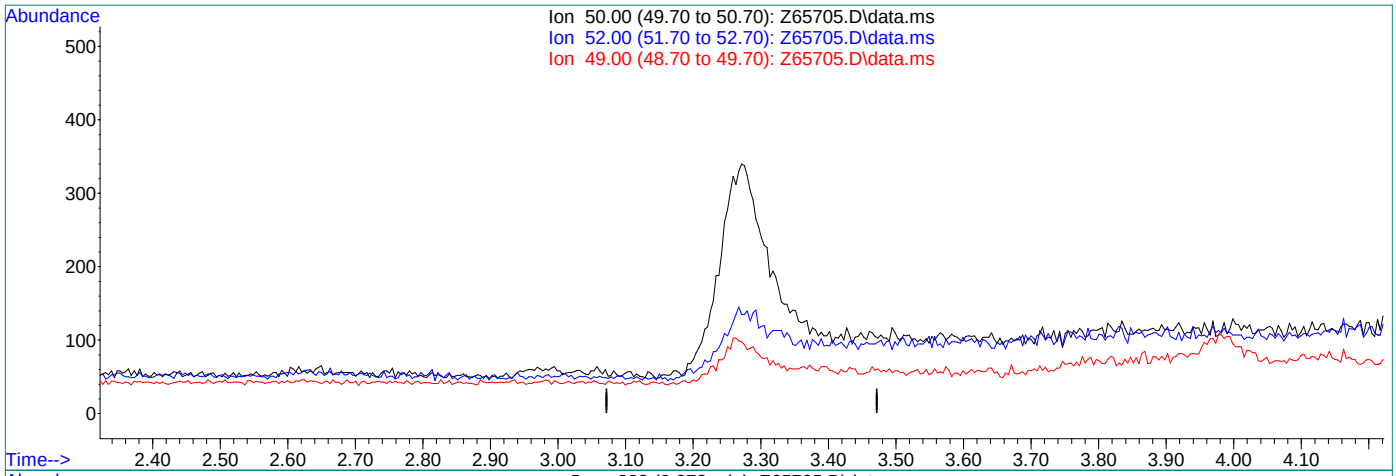
Sample Number: VZ2584-IC2584
Lab FileID: Z65705.D
Injection Time: 09/02/21 14:48
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

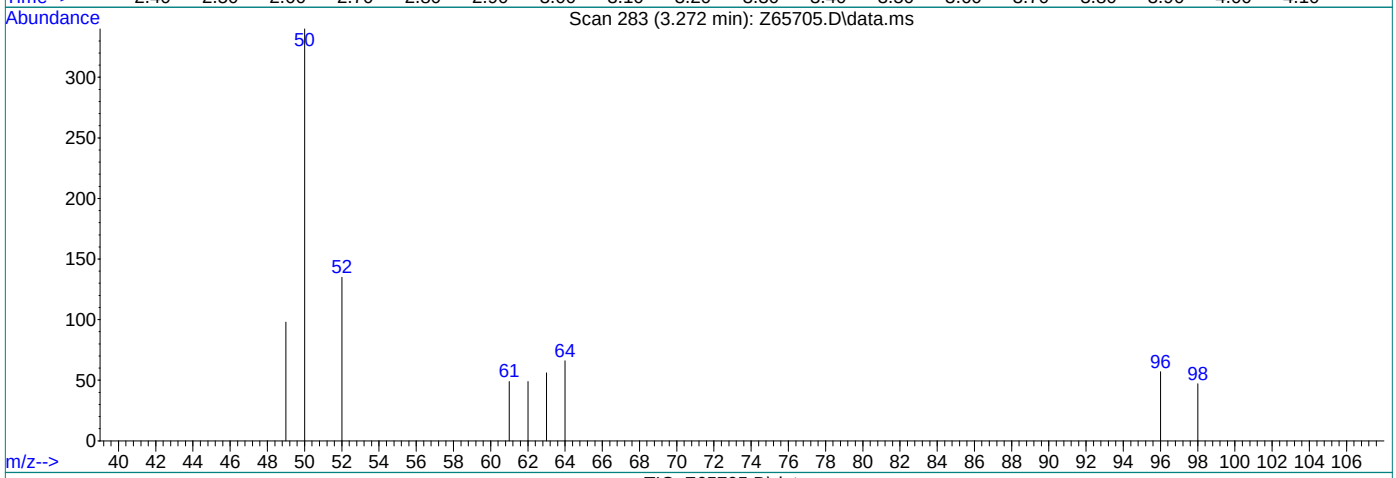
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.27	Missed peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-3.272) 0.00ug/L

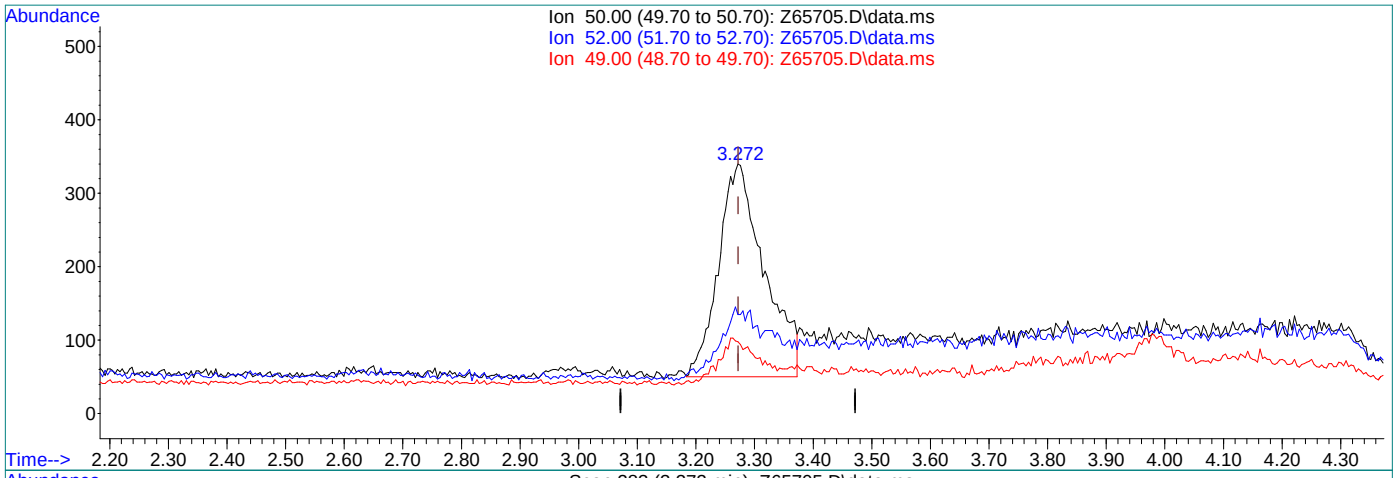
response 0

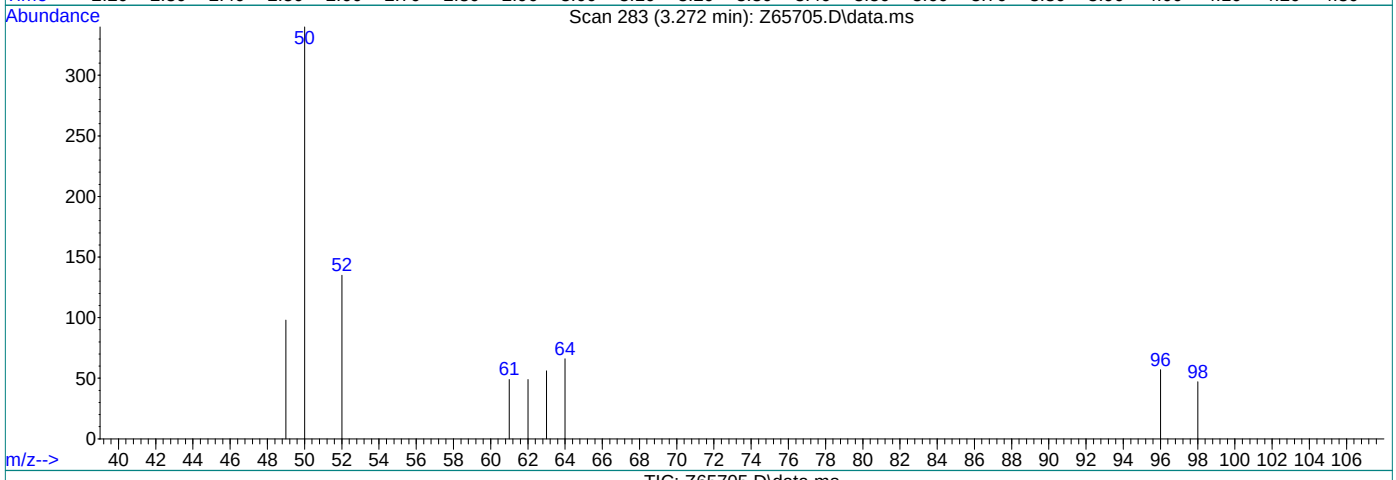
Ion	Exp%	Act%
50.00	100	0.00
52.00	31.80	0.00#
49.00	9.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(3) Chloromethane

3.272min (-0.000) 0.22ug/L m

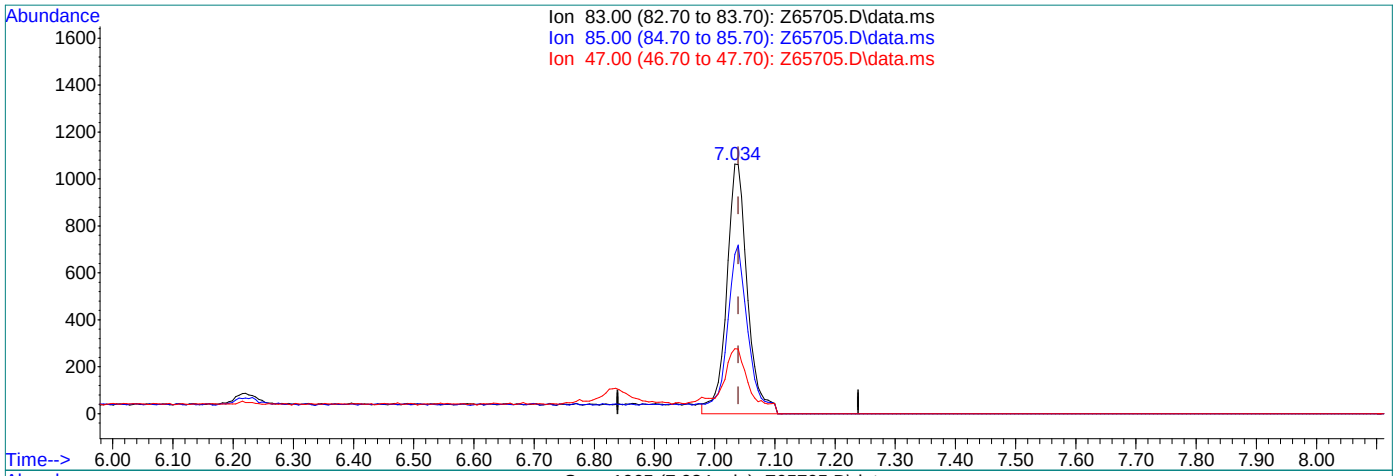
response 1572

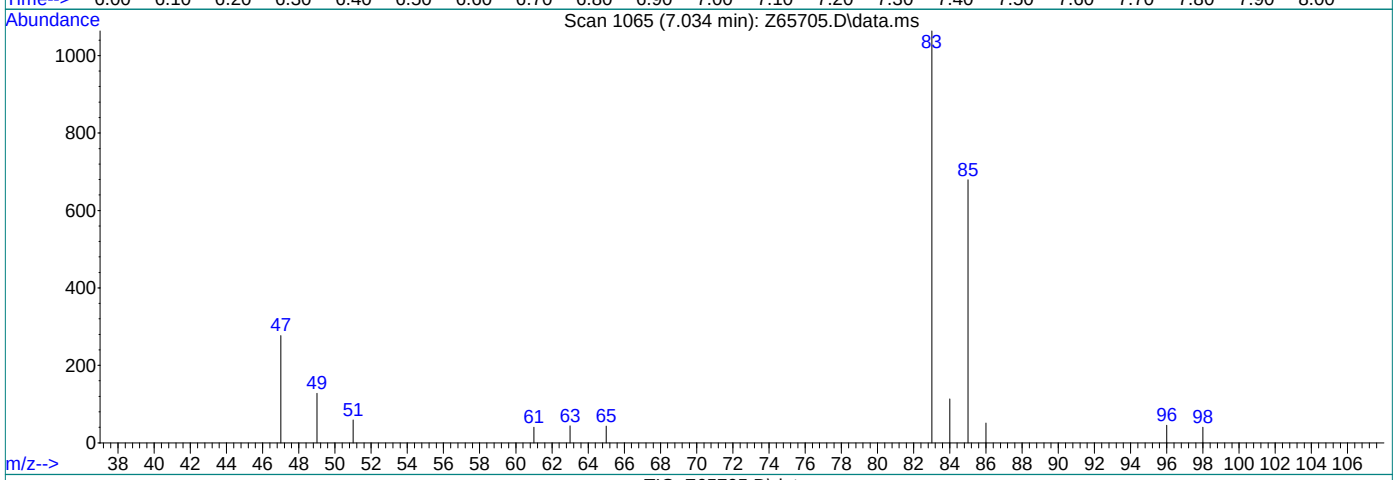
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.71
49.00	9.90	28.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.26ug/L

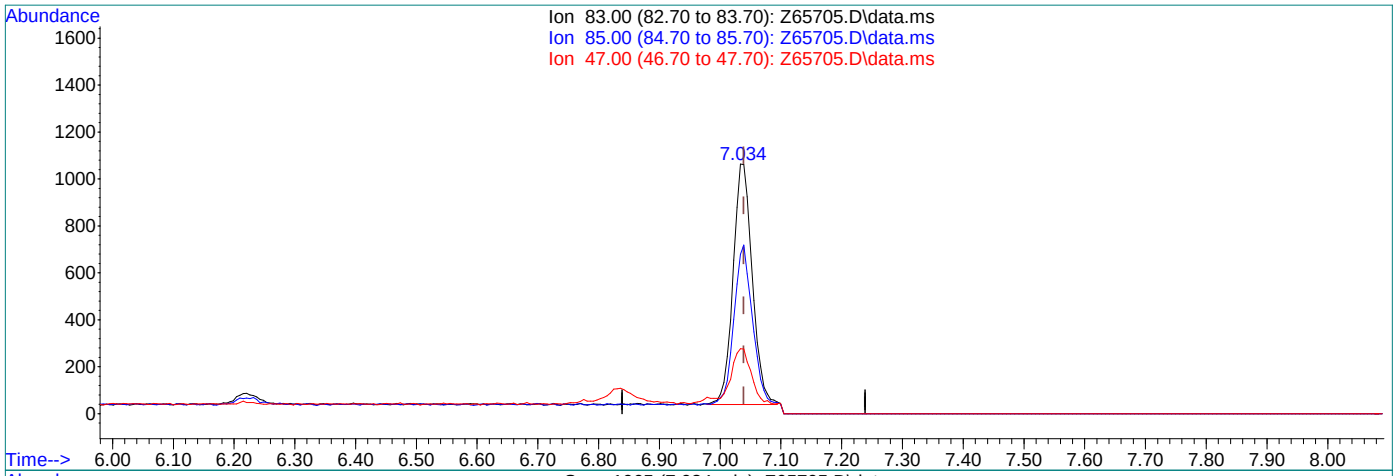
response 2560

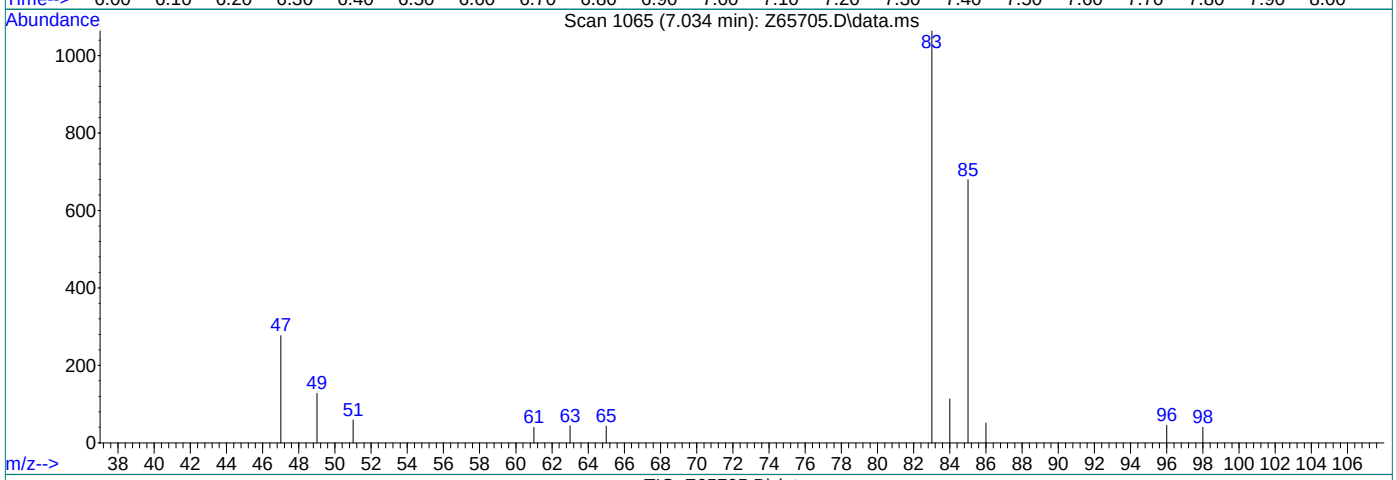
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.23ug/L m

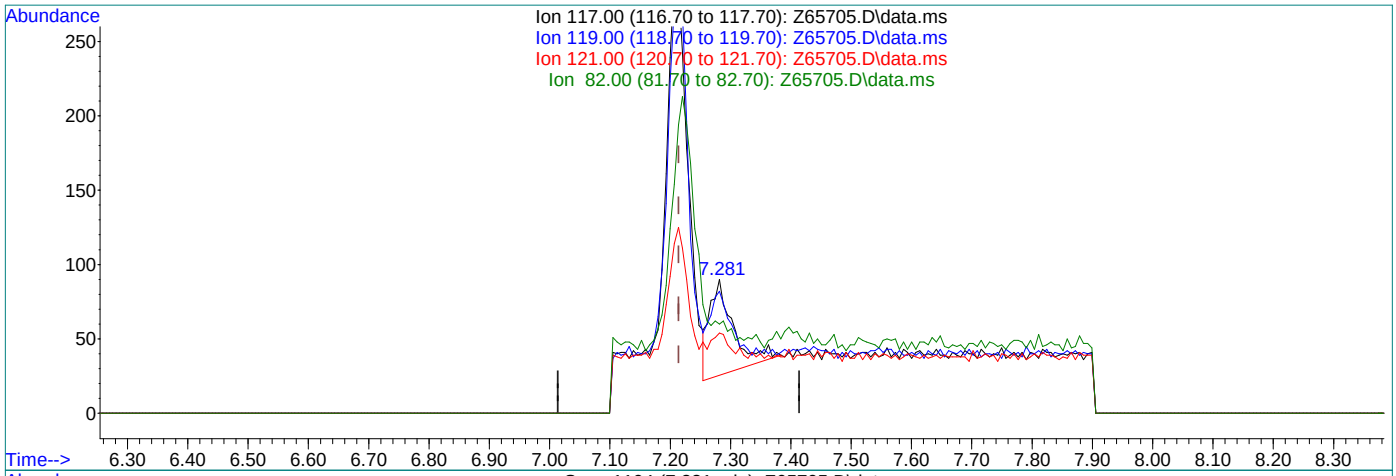
response 2250

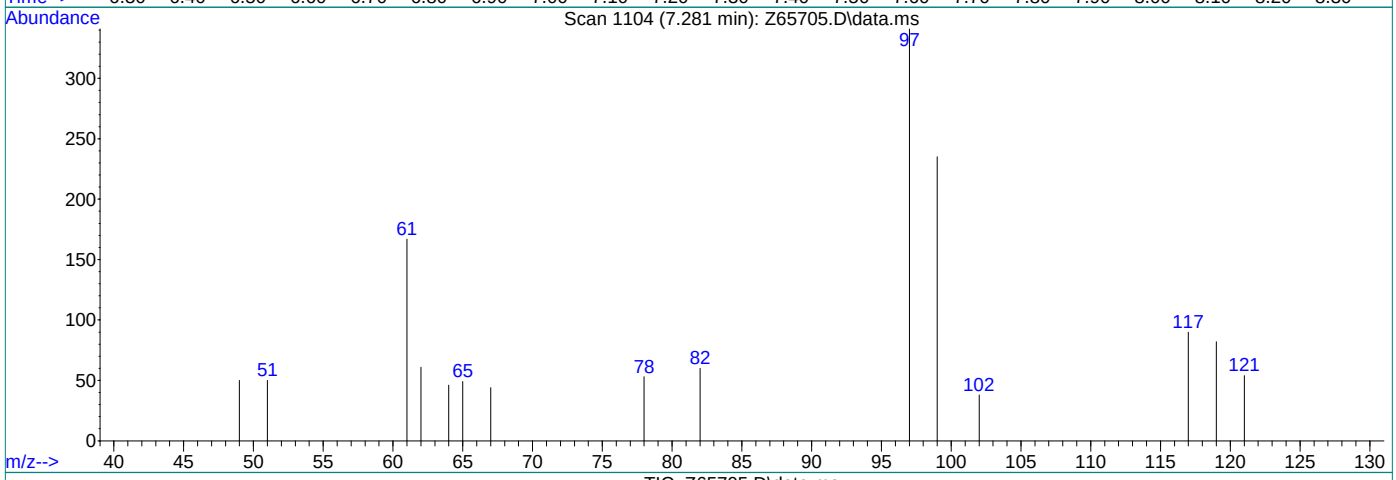
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.82
47.00	43.30	26.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.281min (+0.067) 0.04ug/L

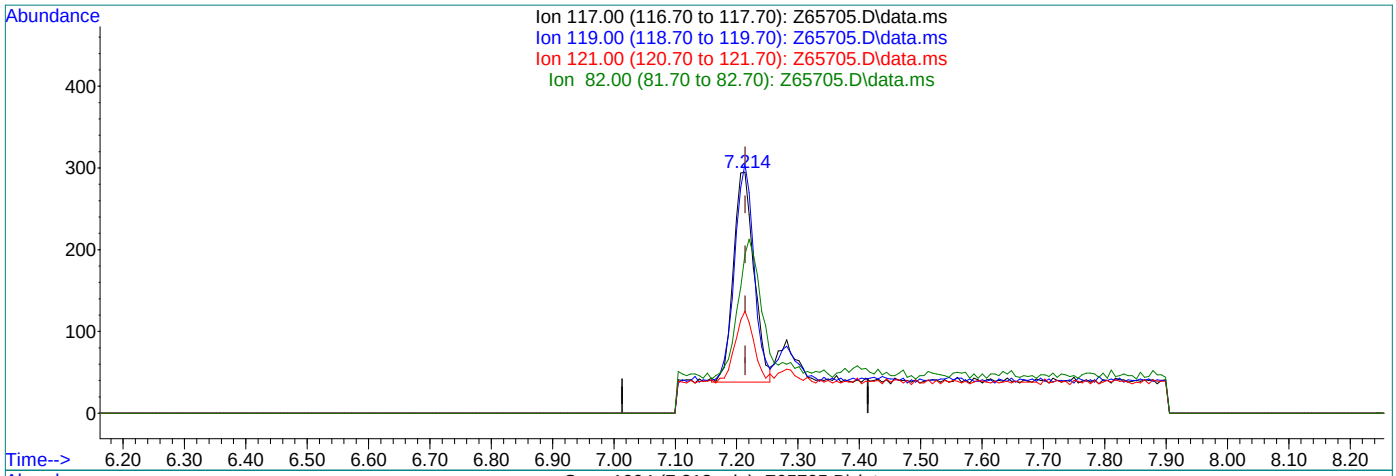
response 177

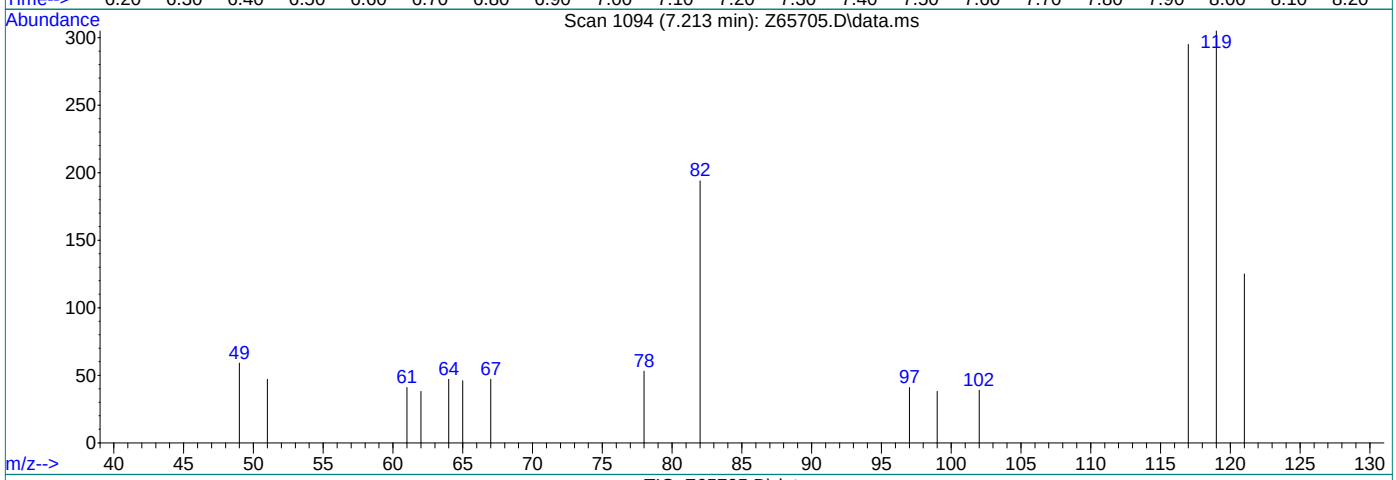
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	80.39
121.00	31.60	31.37
82.00	24.20	19.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.12ug/L m

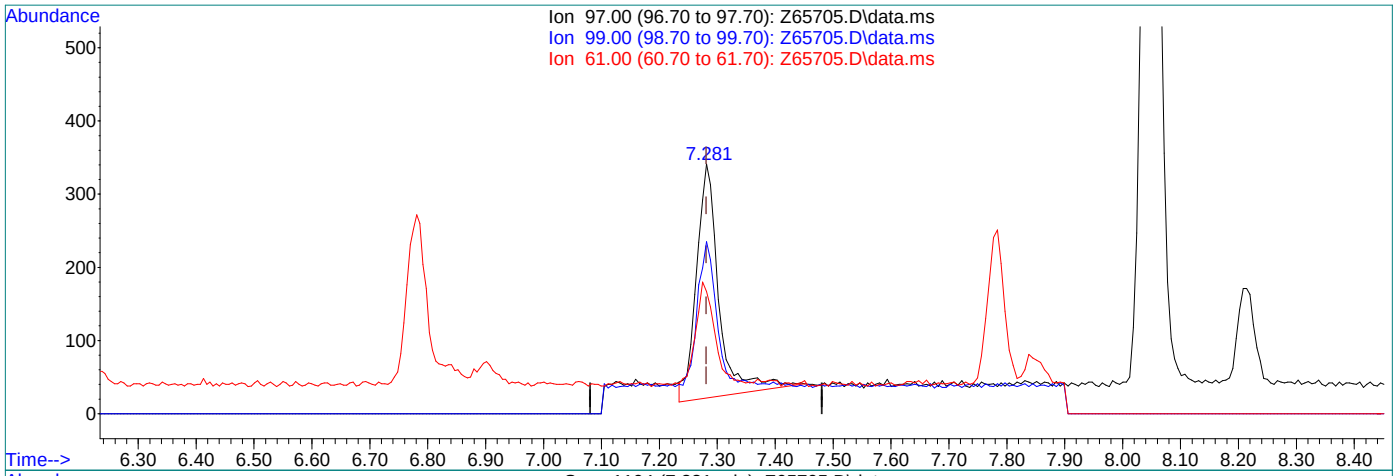
response 596

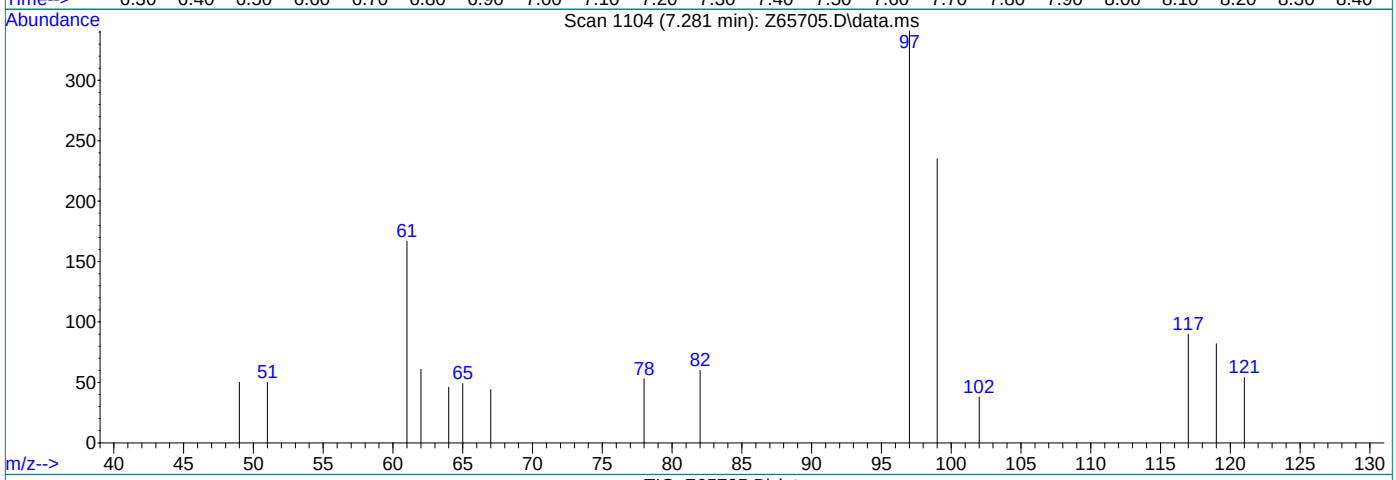
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.39
121.00	31.60	42.37
82.00	24.20	65.76#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.14ug/L

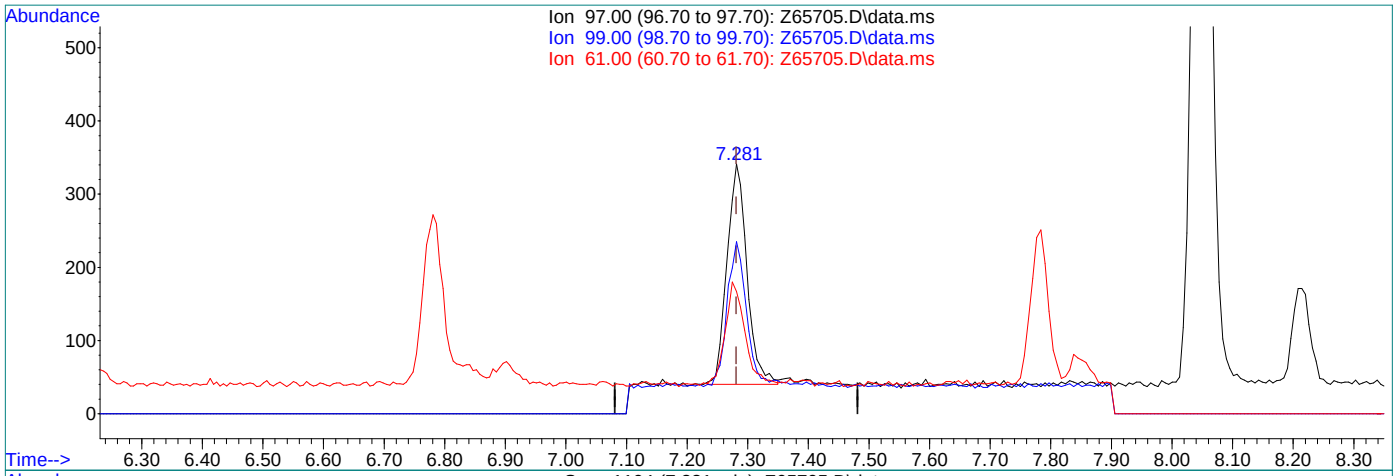
response 866

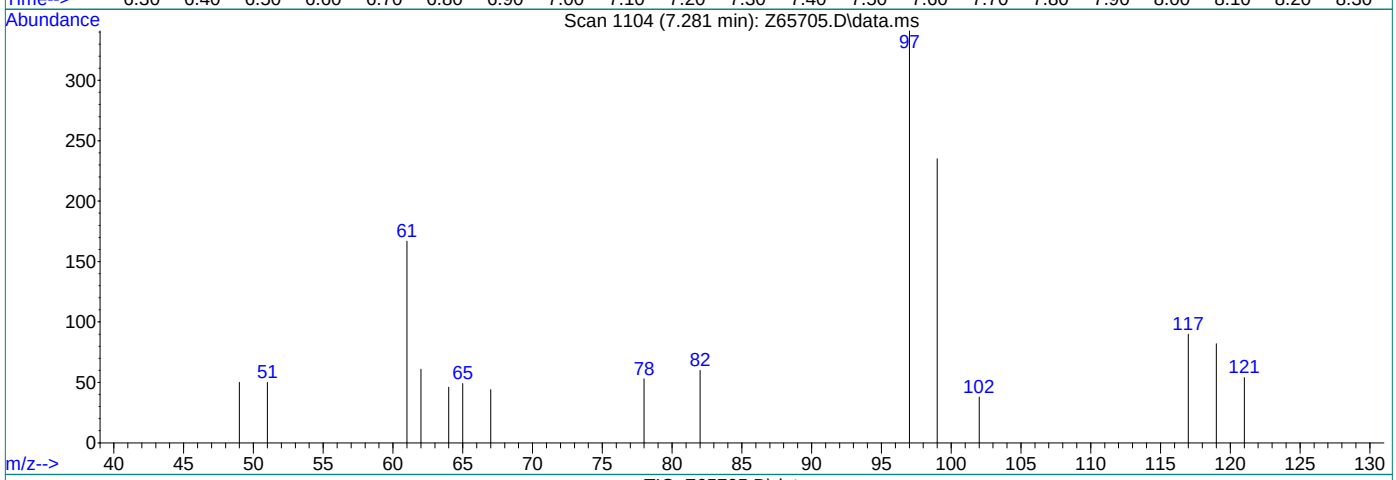
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	66.00
61.00	61.40	42.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.11ug/L m

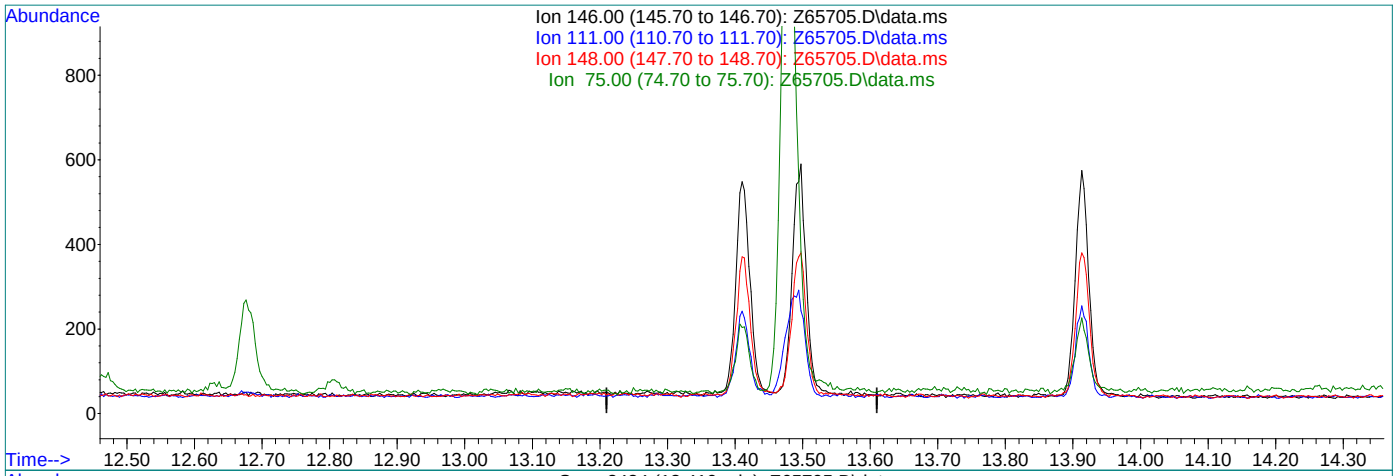
response 693

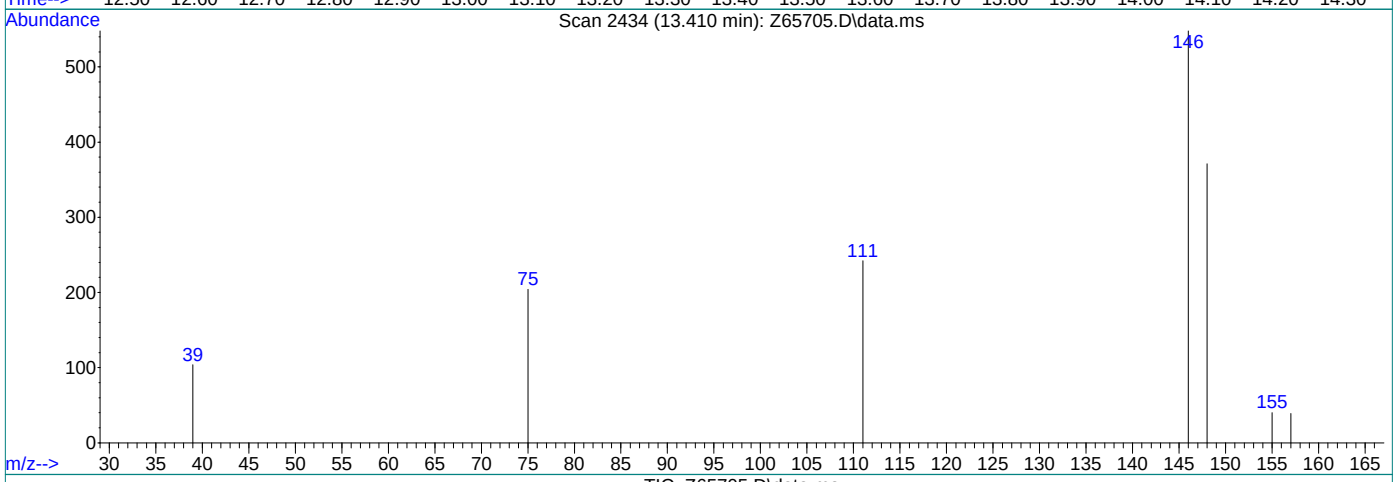
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	68.91
61.00	61.40	48.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration





TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-13.410) 0.00ug/L

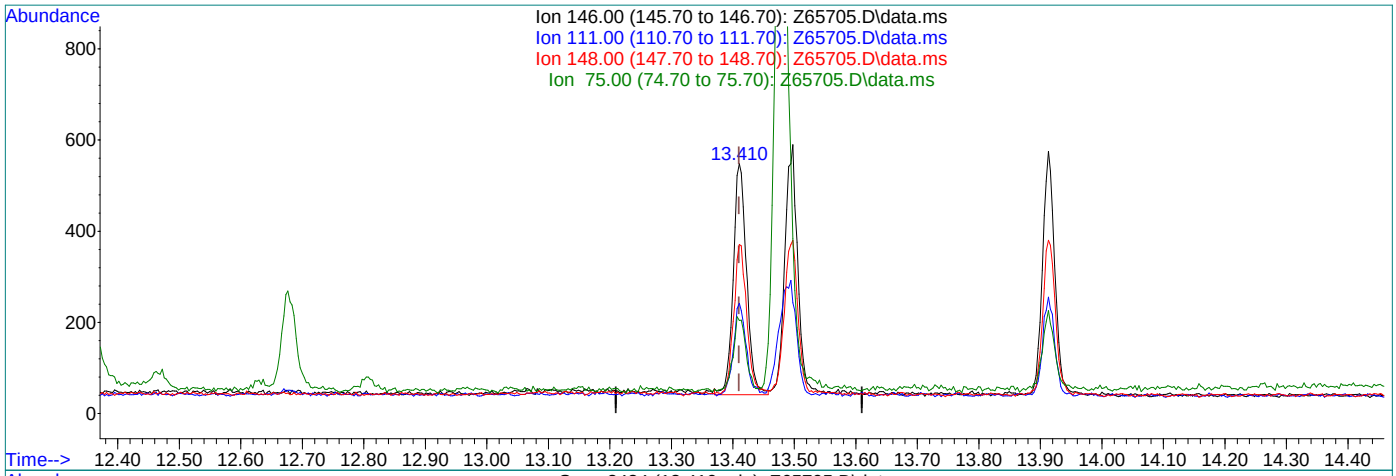
response 0

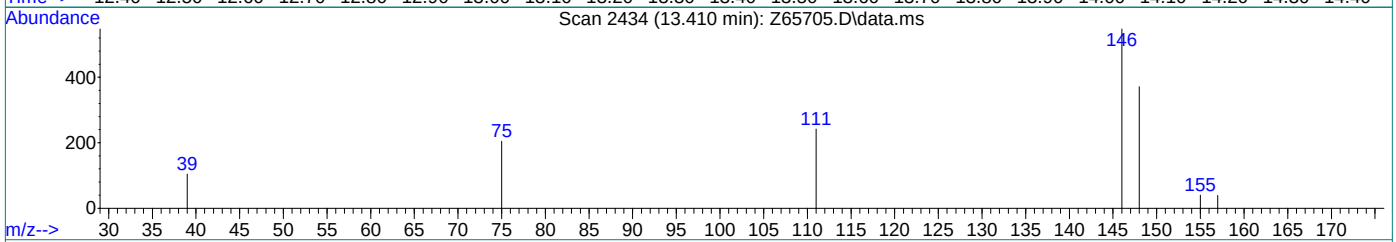
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

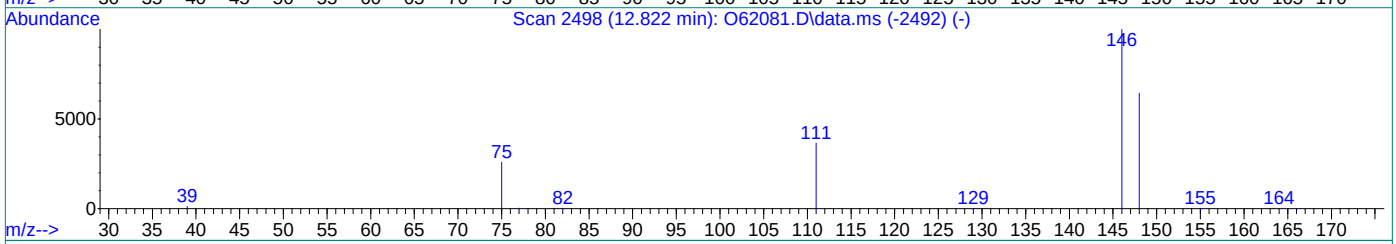
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (+0.000) 0.10ug/L m

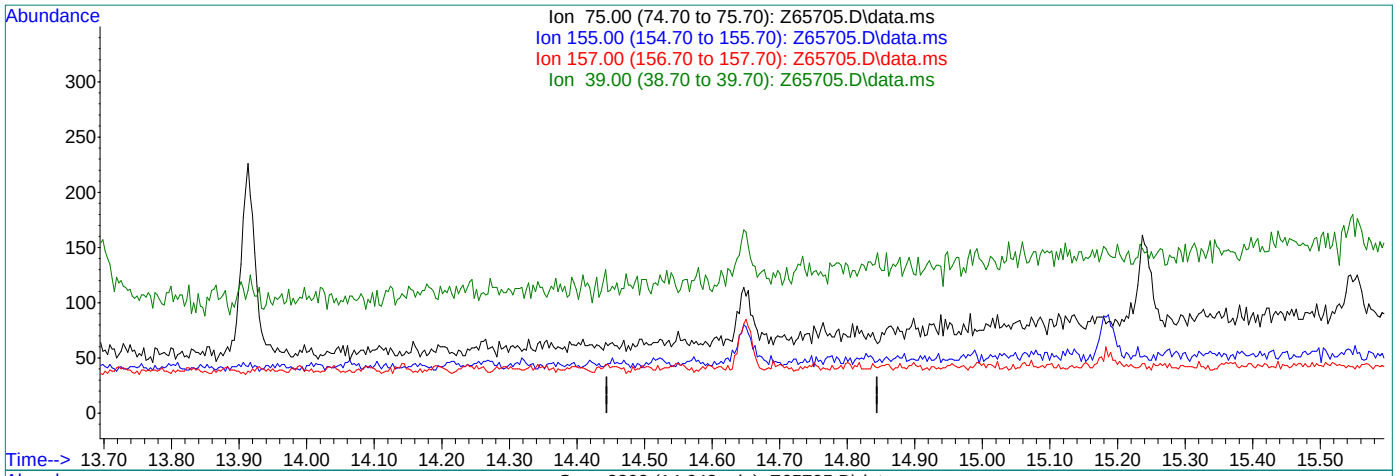
response 766

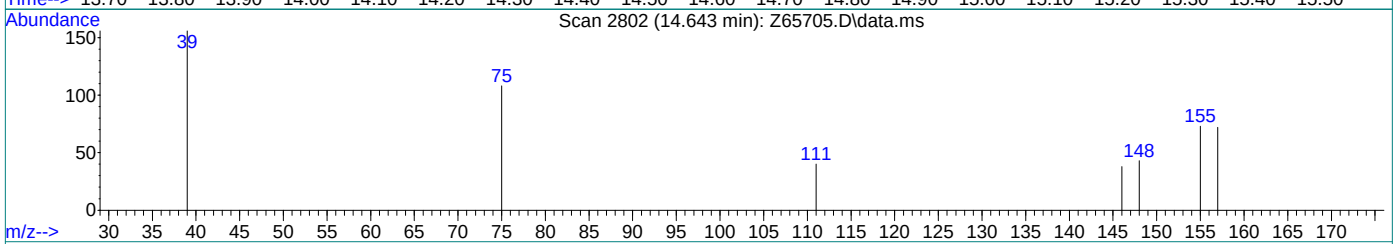
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	44.16
148.00	63.10	67.70
75.00	17.60	37.23

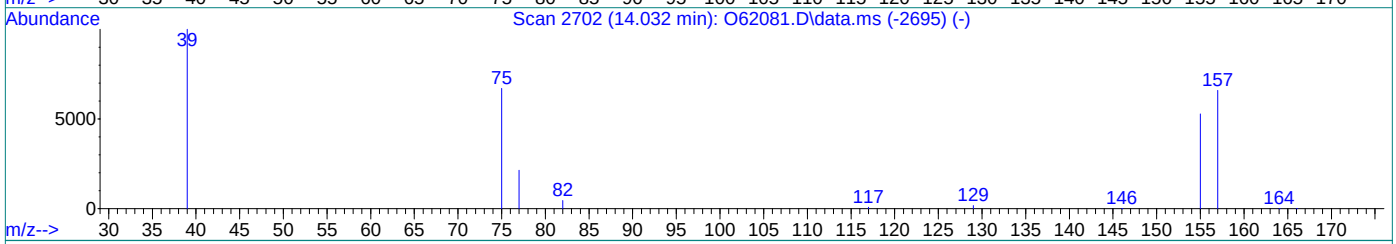
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

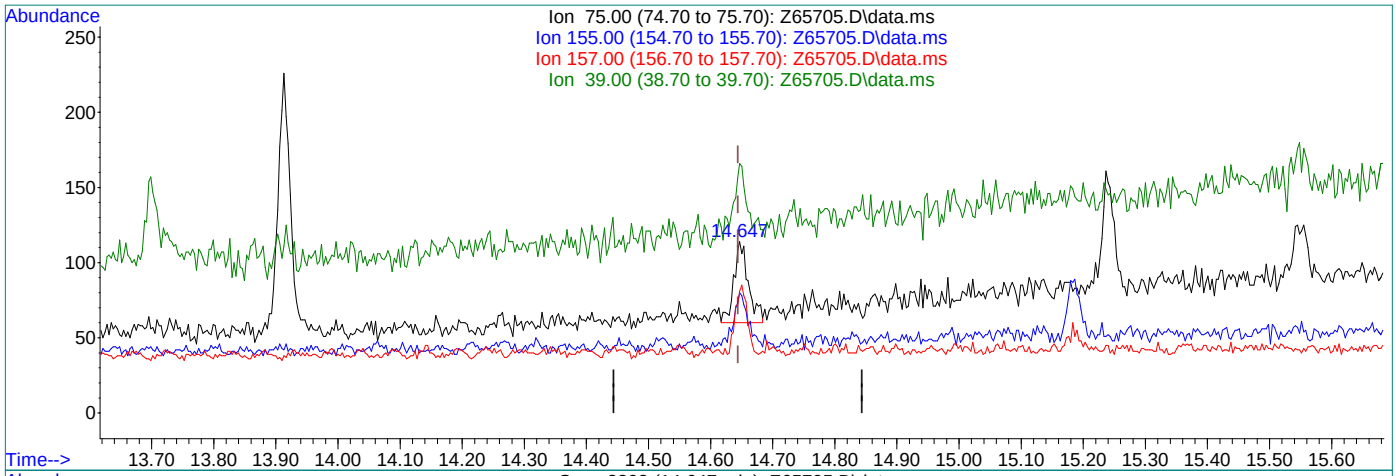
response 0

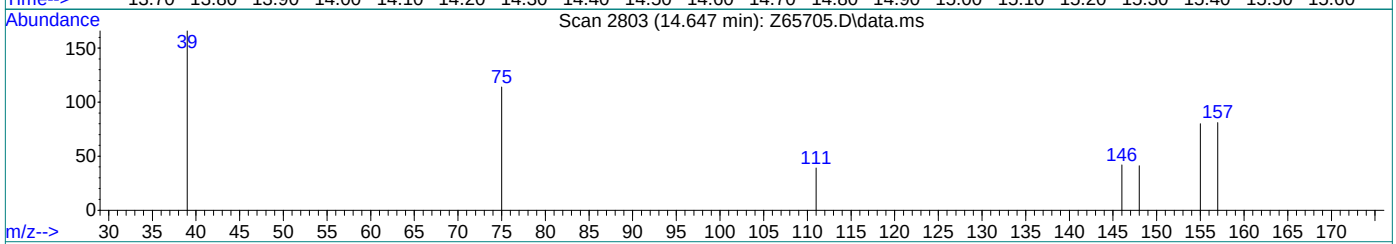
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

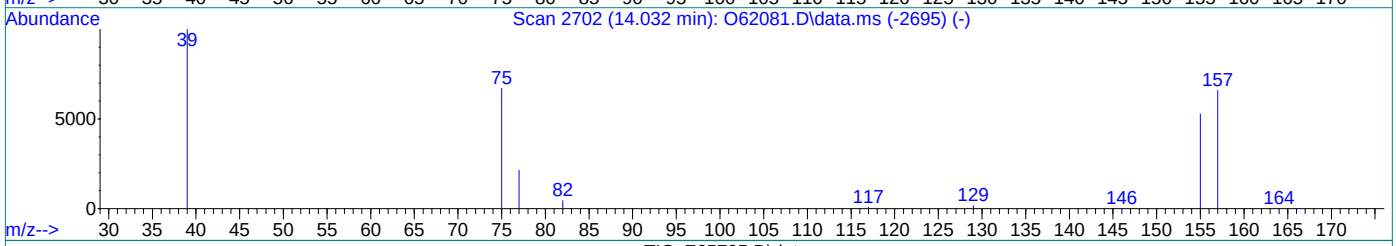
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65705.D
Acq On : 2 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : ic2584-1
Misc : MS49506,VZ2584,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:34:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 04 13:47:40 2021
Response via : Initial Calibration







TIC: Z65705.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.19ug/L m

response 88

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	70.18
157.00	81.90	71.05
39.00	23.90	145.61#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration

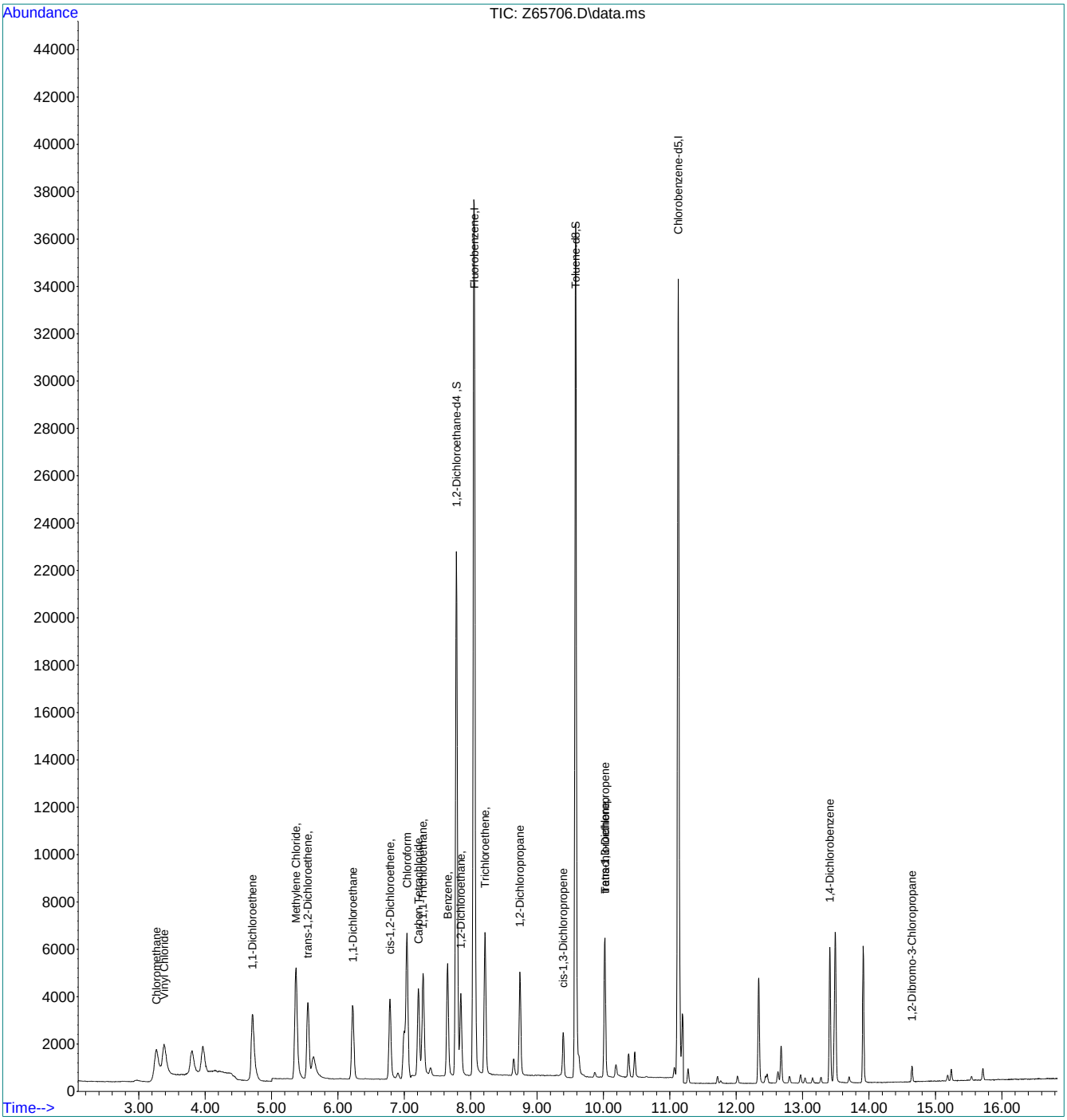
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.054	96	45132	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	33154	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	21670	6.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery =	139.60%#			
19) Toluene-d8	9.582	98	36327	5.25	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery =	105.00%			
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	4065	0.52	ug/L		91
3) Chloromethane	3.267	50	4626	0.60	ug/L		96
4) 1,1-Dichloroethene	4.713	61	3623	0.60	ug/L		97
5) Methylene Chloride	5.369	49	4486	0.53	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	3200	0.56	ug/L		84
7) 1,1-Dichloroethane	6.226	63	4297	0.59	ug/L		98
8) cis-1,2-Dichloroethene	6.786	96	2237	0.49	ug/L	#	72
9) Chloroform	7.039	83	6357m	0.58	ug/L		
10) Carbon Tetrachloride	7.213	117	3046m	0.57	ug/L		
11) 1,1,1-Trichloroethane	7.281	97	4166	0.63	ug/L		89
12) Benzene	7.655	78	8033	0.50	ug/L		79
14) 1,2-Dichloroethane	7.851	62	3338	0.61	ug/L		87
15) Trichloroethene	8.214	95	2312	0.51	ug/L		94
16) 1,2-Dichloropropane	8.742	63	2204	0.59	ug/L		88
17) cis-1,3-Dichloropropene	9.394	75	1609	0.33	ug/L	#	70
20) trans-1,3-Dichloropropene	10.022	75	1009	0.26	ug/L	#	73
21) Tetrachloroethene	10.022	166	2213	0.55	ug/L	#	94
22) 1,4-Dichlorobenzene	13.410	146	3588	0.42	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	283m	0.54	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:38:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration



Manual Integration Approval Summary

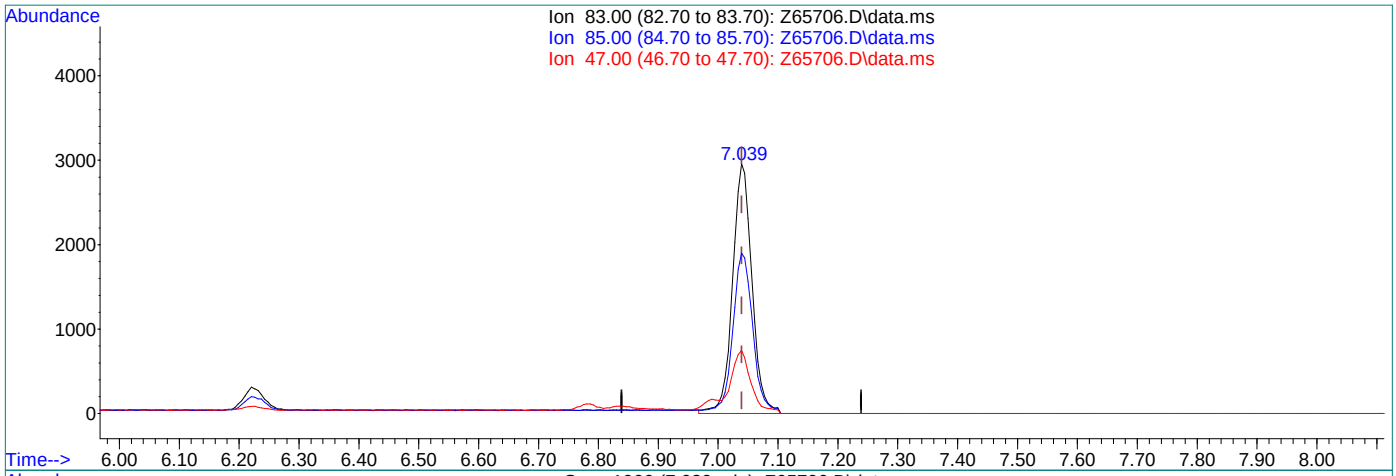
Sample Number: VZ2584-IC2584
Lab FileID: Z65706.D
Injection Time: 09/02/21 15:08
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

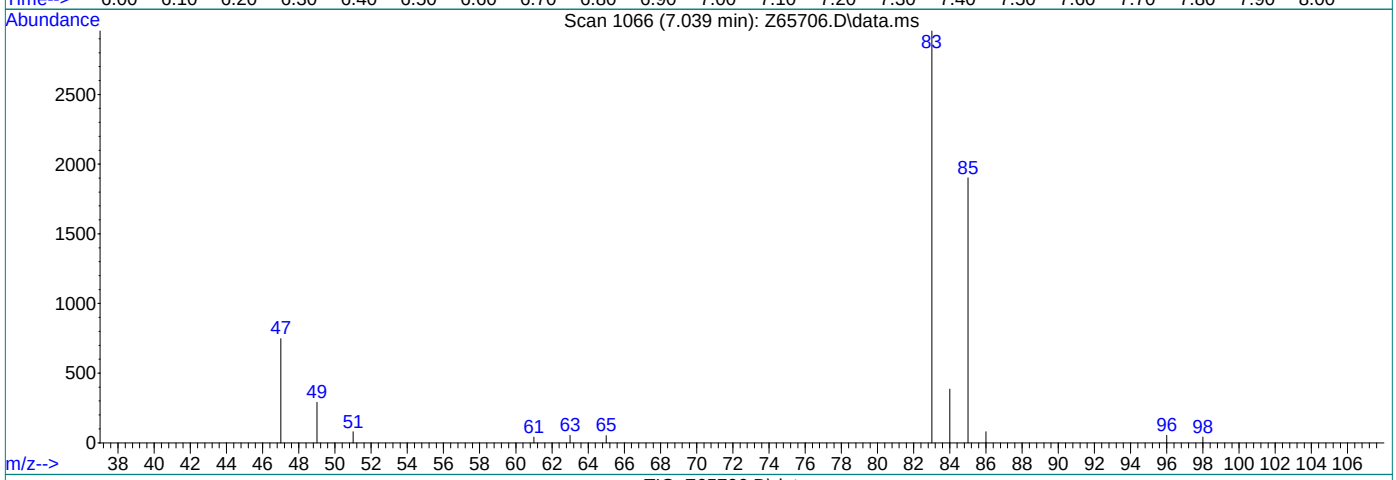
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.61ug/L

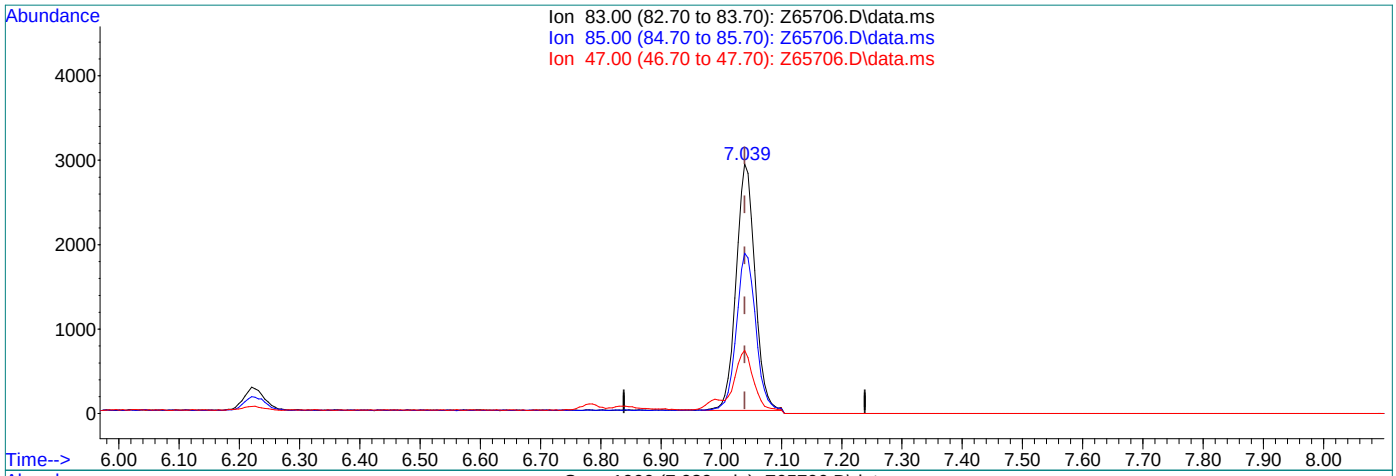
response 6726

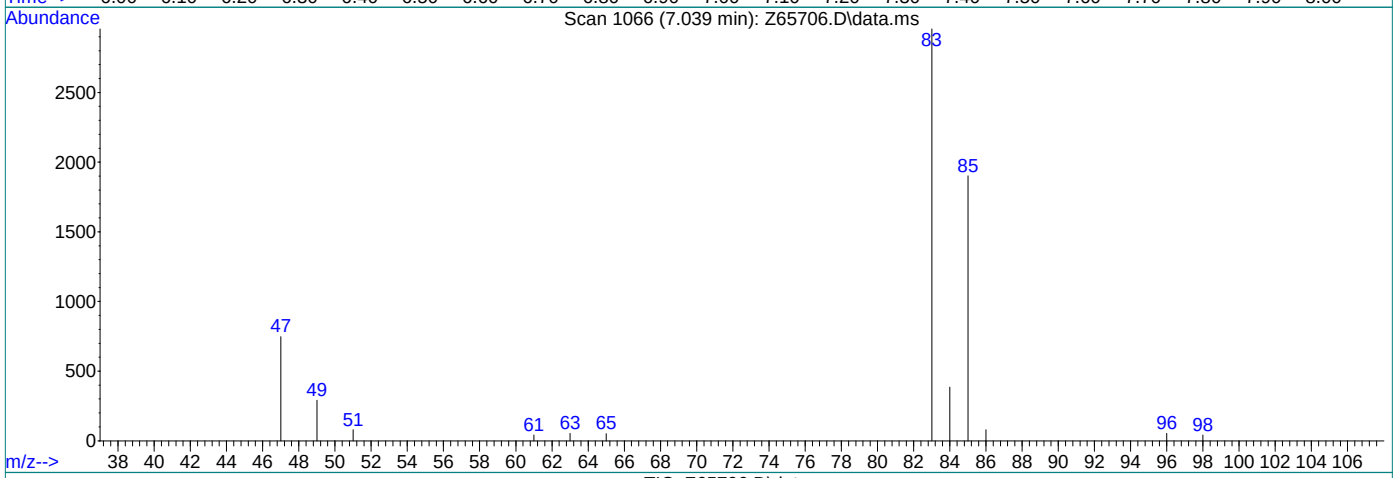
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.58ug/L m

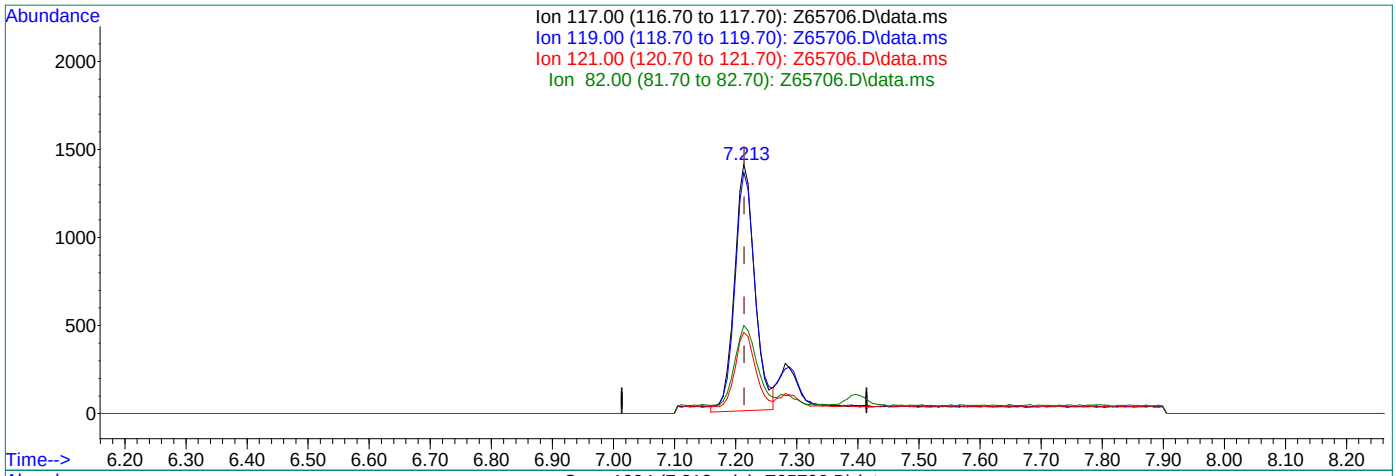
response 6357

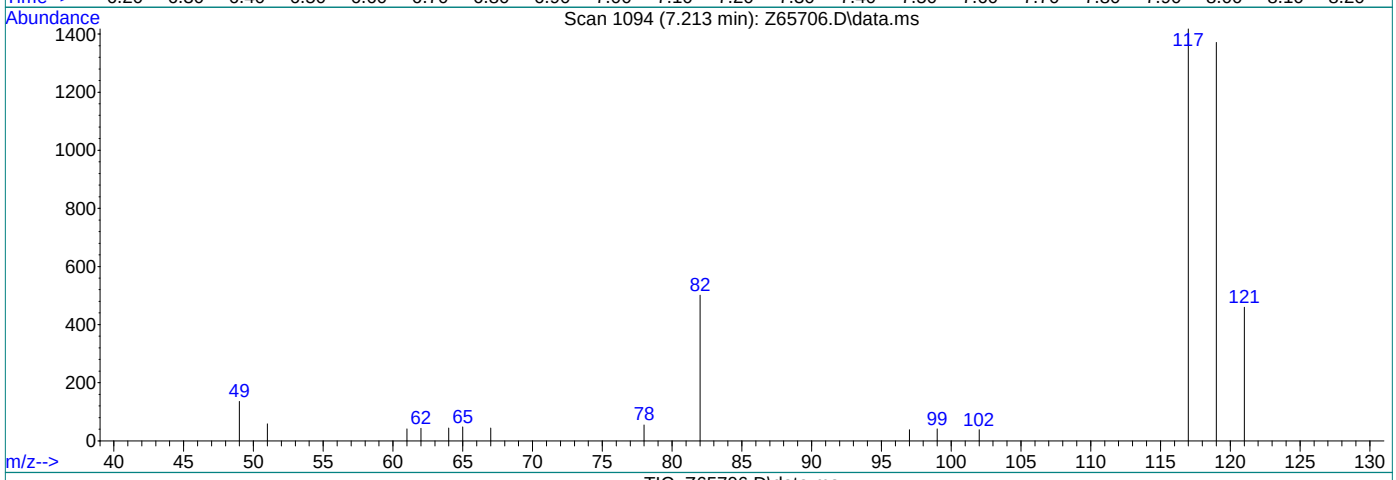
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.29
47.00	43.30	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.61ug/L

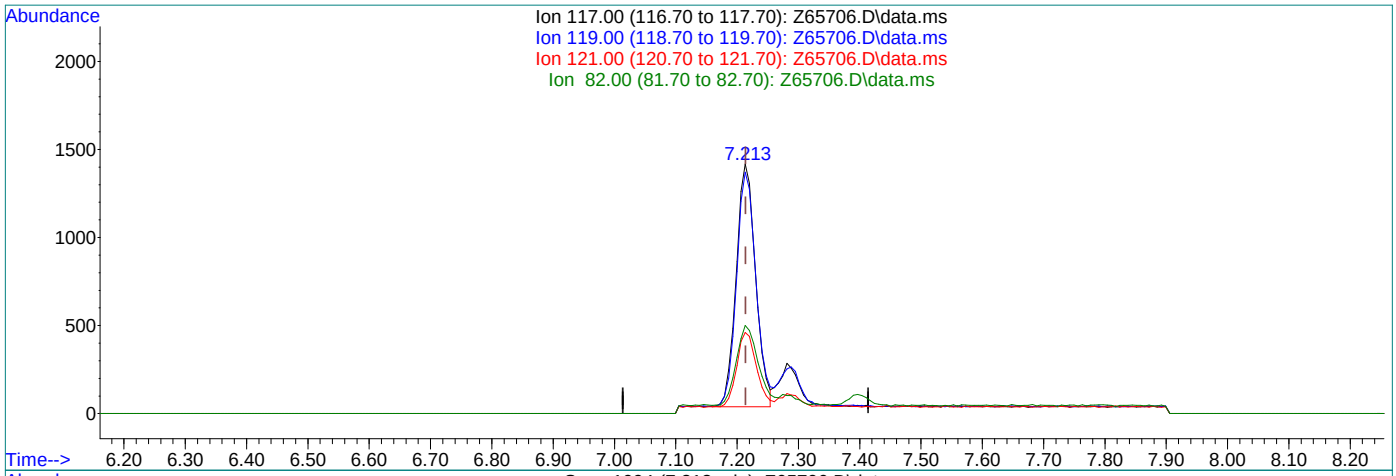
response 3226

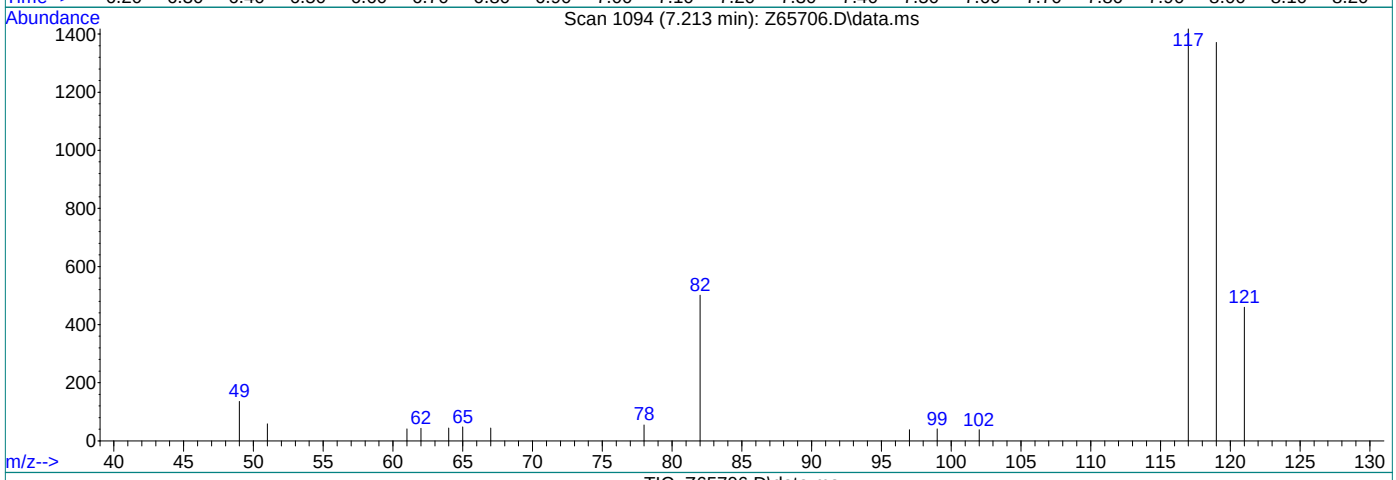
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.37
121.00	31.60	30.65
82.00	24.20	33.04

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:36:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (-0.001) 0.57ug/L m

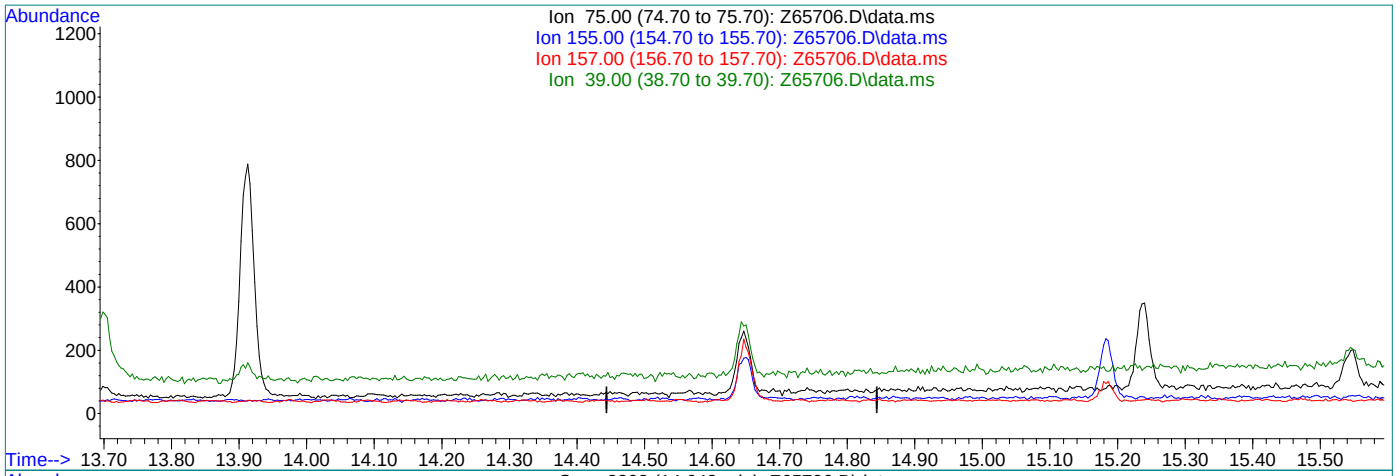
response 3046

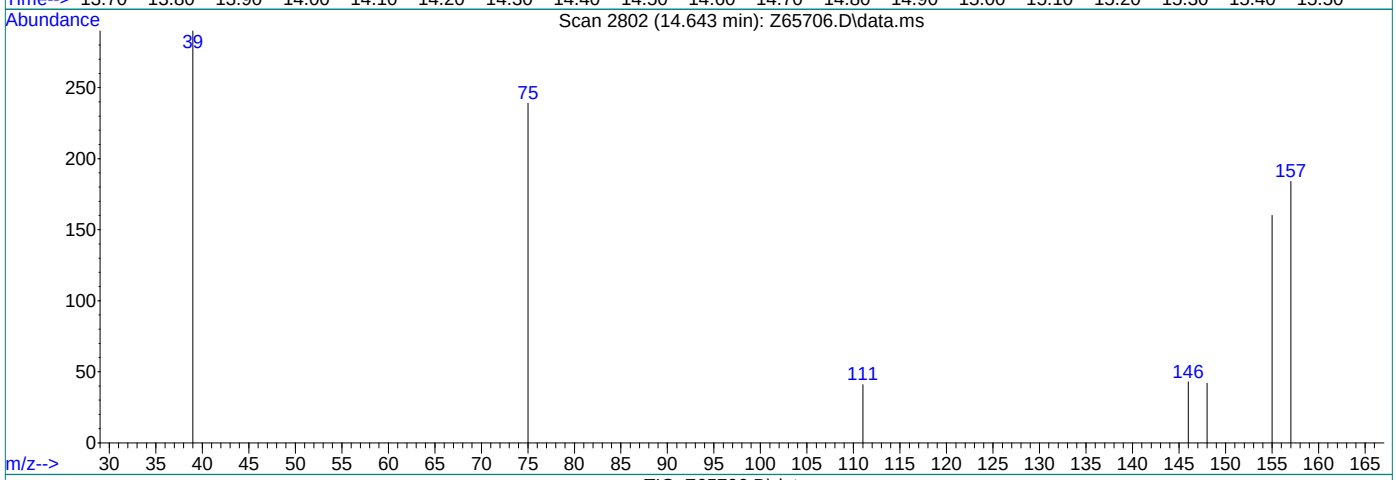
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.69
121.00	31.60	32.44
82.00	24.20	35.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.644min (-14.644) 0.00ug/L

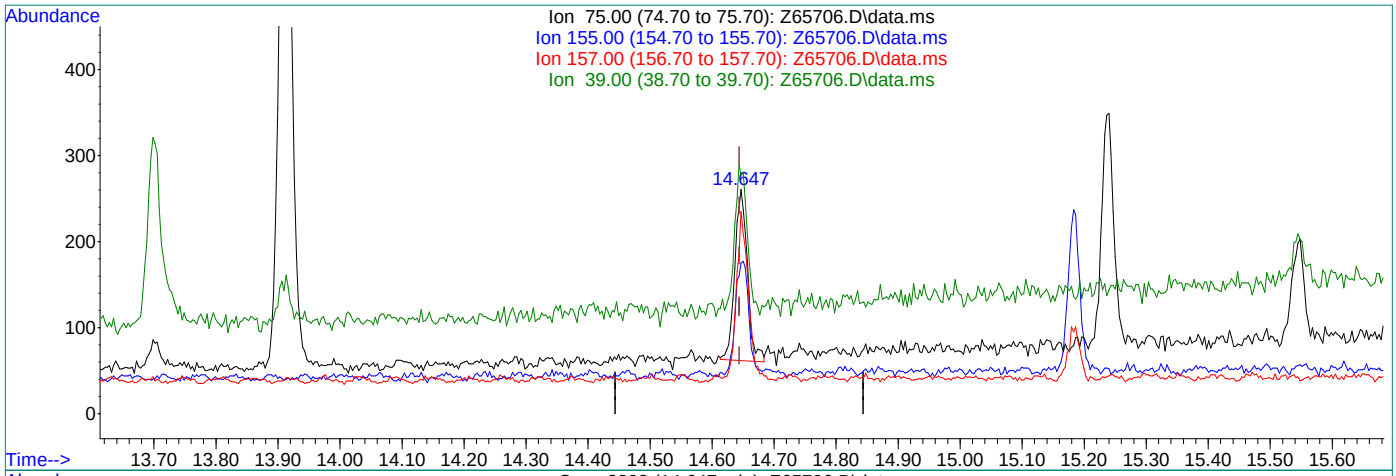
response 0

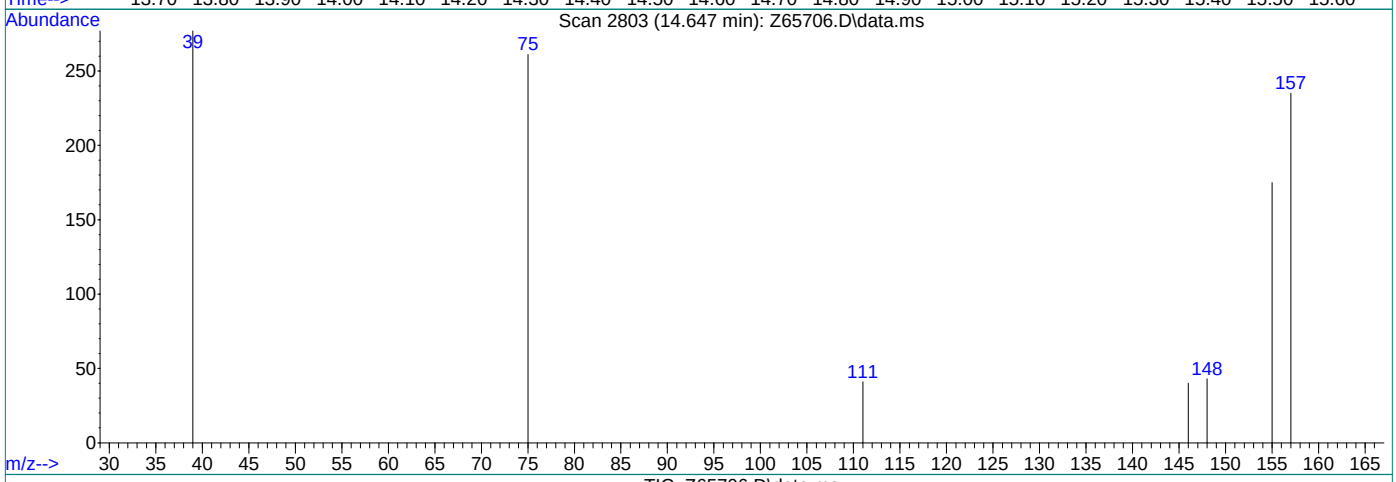
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65706.D
Acq On : 2 Sep 2021 3:08 pm
Operator : CHARLENG
Sample : ic2584-2
Misc : MS49506,VZ2584,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:37:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:36:36 2021
Response via : Initial Calibration





TIC: Z65706.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (+0.003) 0.54ug/L m

response 283

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	67.05
157.00	81.90	90.04
39.00	23.90	106.13#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration

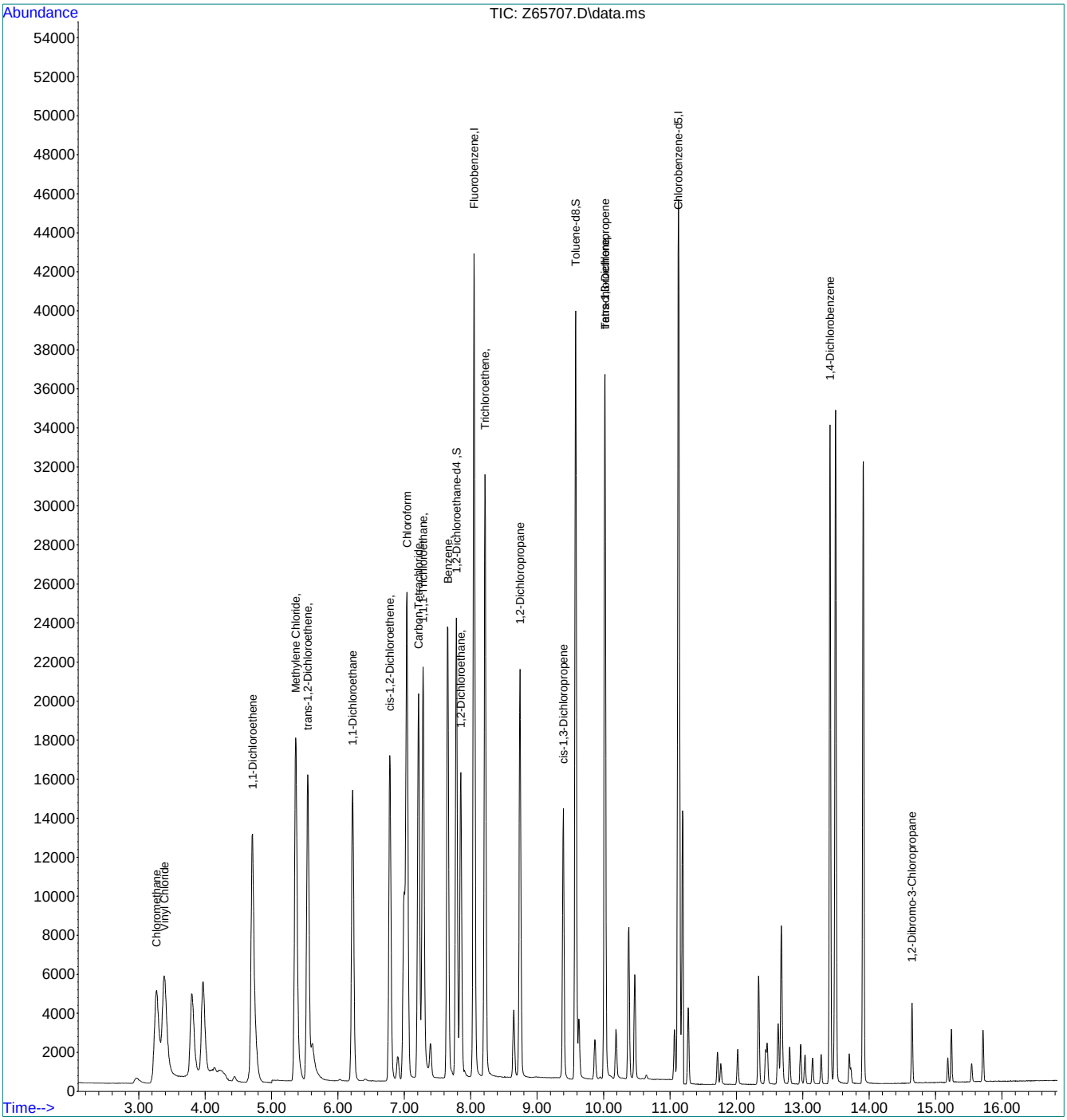
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	50381	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38930	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22321	6.10	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 122.00%				
19) Toluene-d8	9.582	98	40046	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	17156	1.99	ug/L		93
3) Chloromethane	3.267	50	16867	1.90	ug/L		98
4) 1,1-Dichloroethene	4.713	61	16954	2.41	ug/L		97
5) Methylene Chloride	5.364	49	17221	1.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	15432	2.36	ug/L		79
7) 1,1-Dichloroethane	6.221	63	20760	2.46	ug/L		96
8) cis-1,2-Dichloroethene	6.781	96	10883	2.09	ug/L	#	75
9) Chloroform	7.039	83	26408	2.07	ug/L		87
10) Carbon Tetrachloride	7.213	117	16572	2.71	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	19885	2.59	ug/L		88
12) Benzene	7.655	78	39754	2.20	ug/L		79
14) 1,2-Dichloroethane	7.851	62	16319	2.58	ug/L		85
15) Trichloroethene	8.214	95	11489	2.24	ug/L		93
16) 1,2-Dichloropropane	8.742	63	10585	2.45	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	11988	2.29	ug/L	#	68
20) trans-1,3-Dichloropropene	10.022	75	10692	2.42	ug/L	#	72
21) Tetrachloroethene	10.022	166	10667	2.21	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	20591	2.07	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.643	75	1577	2.46	ug/L	#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65707.D
Acq On : 2 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : ic2584-3
Misc : MS49506,VZ2584,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 09:38:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:20 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration

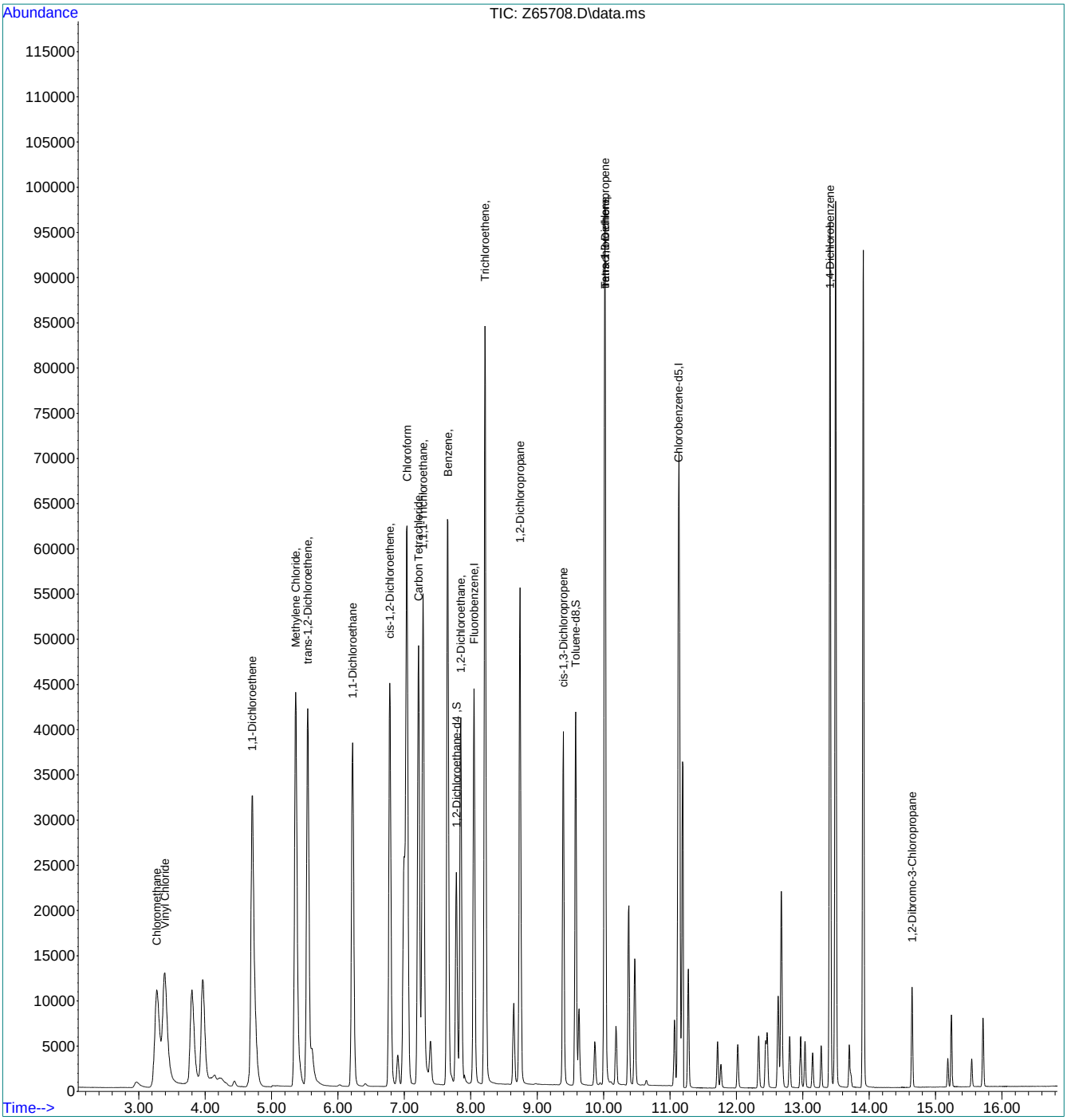
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	51649	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	41795	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	21781	5.57	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 111.40%				
19) Toluene-d8	9.582	98	41673	4.78	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 95.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.393	62	41567	4.75	ug/L		96
3) Chloromethane	3.272	50	39806	4.32	ug/L		97
4) 1,1-Dichloroethene	4.708	61	43739	5.86	ug/L		96
5) Methylene Chloride	5.364	49	42084	4.43	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	40384	5.83	ug/L		78
7) 1,1-Dichloroethane	6.221	63	52770	5.89	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	28693	5.35	ug/L	#	75
9) Chloroform	7.039	83	65470	4.86	ug/L		87
10) Carbon Tetrachloride	7.213	117	40745	6.17	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	50483	6.14	ug/L		88
12) Benzene	7.655	78	106631	5.68	ug/L		77
14) 1,2-Dichloroethane	7.851	62	41453	6.13	ug/L		85
15) Trichloroethene	8.214	95	30443	5.71	ug/L		94
16) 1,2-Dichloropropane	8.742	63	27703	6.06	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	32904	6.00	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	30131m	6.16	ug/L		
21) Tetrachloroethene	10.022	166	27781	5.32	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	57646	5.36	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	4200	5.78	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:56 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration



Manual Integration Approval Summary

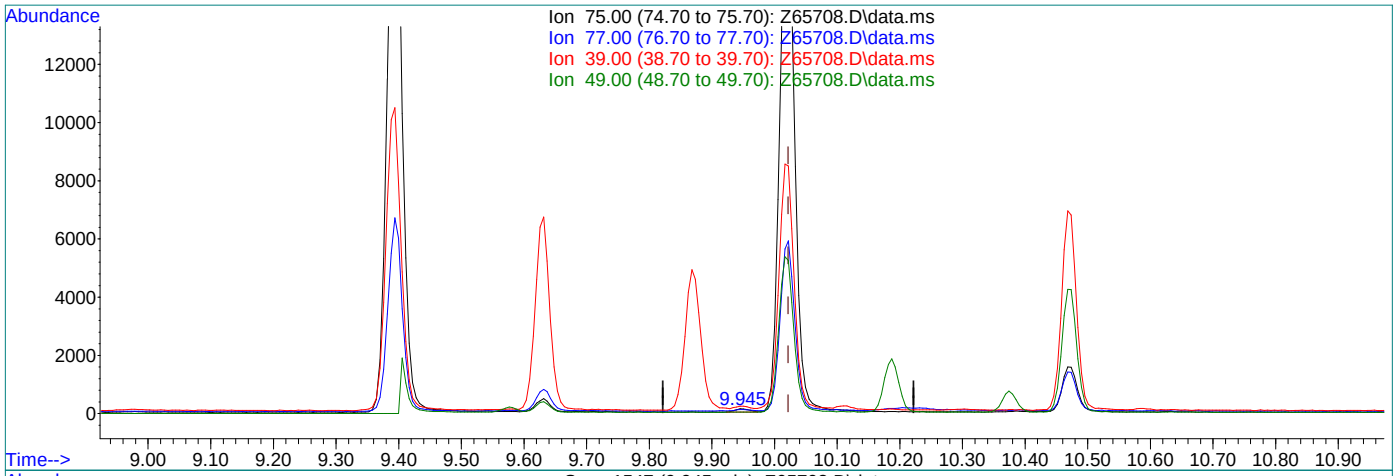
Sample Number: VZ2584-IC2584
Lab FileID: Z65708.D
Injection Time: 09/02/21 15:49
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

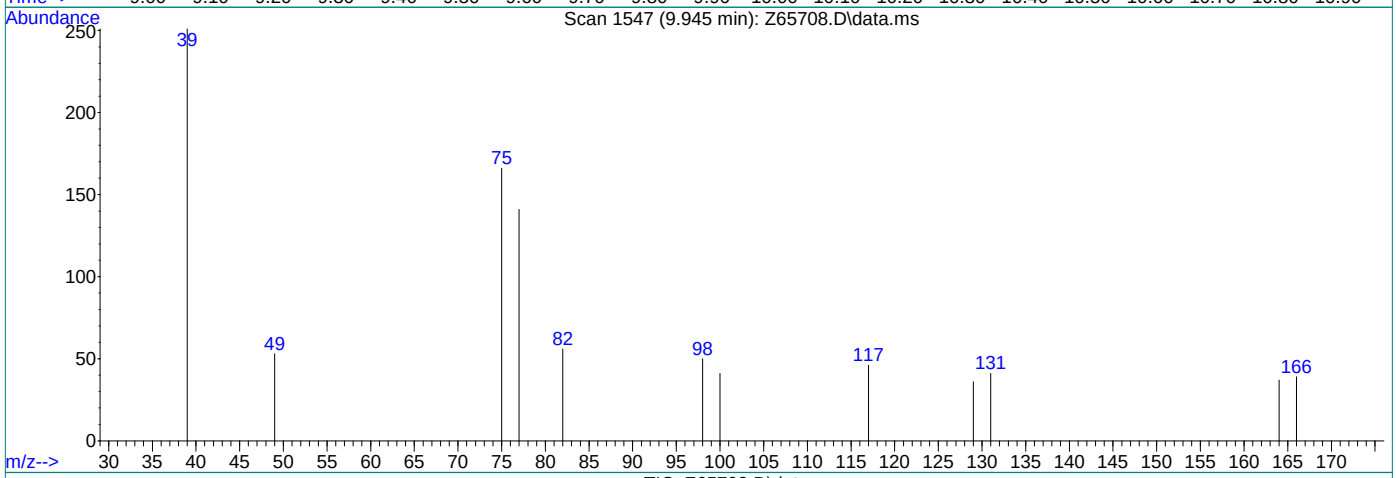
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.03ug/L

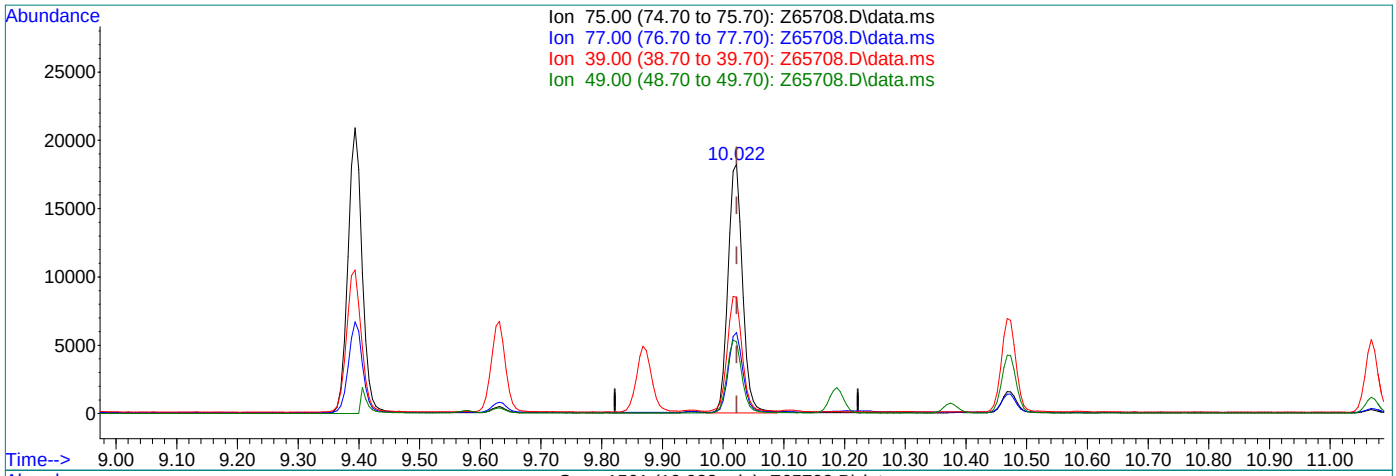
response 165

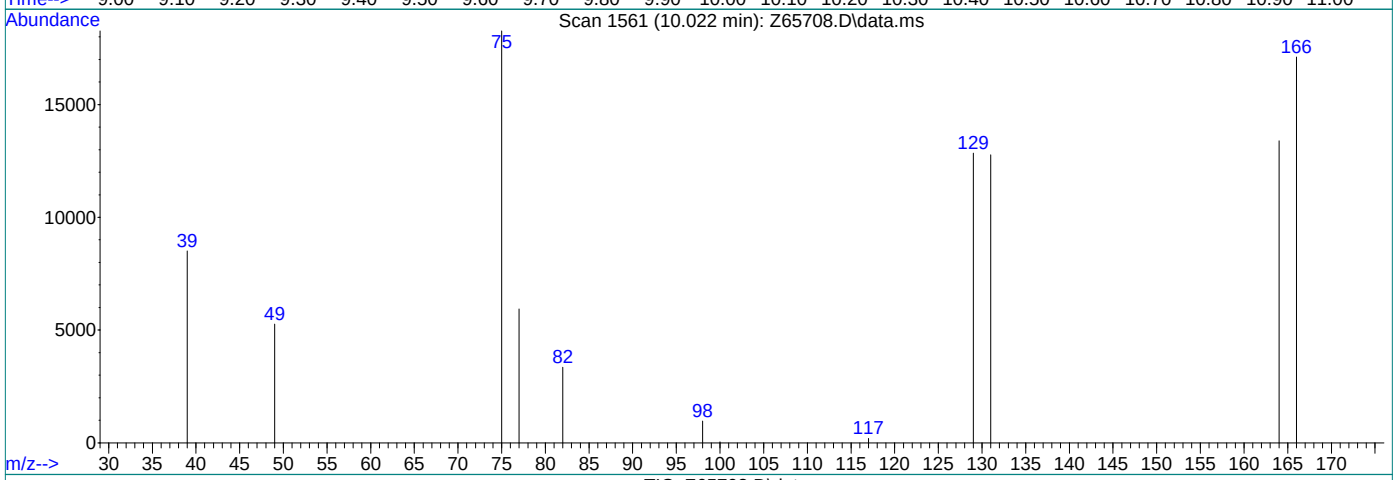
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	45.87
39.00	84.50	64.22
49.00	23.10	4.59

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65708.D
Acq On : 2 Sep 2021 3:49 pm
Operator : CHARLENG
Sample : ic2584-4
Misc : MS49506,VZ2584,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:38:41 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:38:38 2021
Response via : Initial Calibration





TIC: Z65708.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 6.16ug/L m

response 30131

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.47
39.00	84.50	46.55#
49.00	23.10	28.79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration

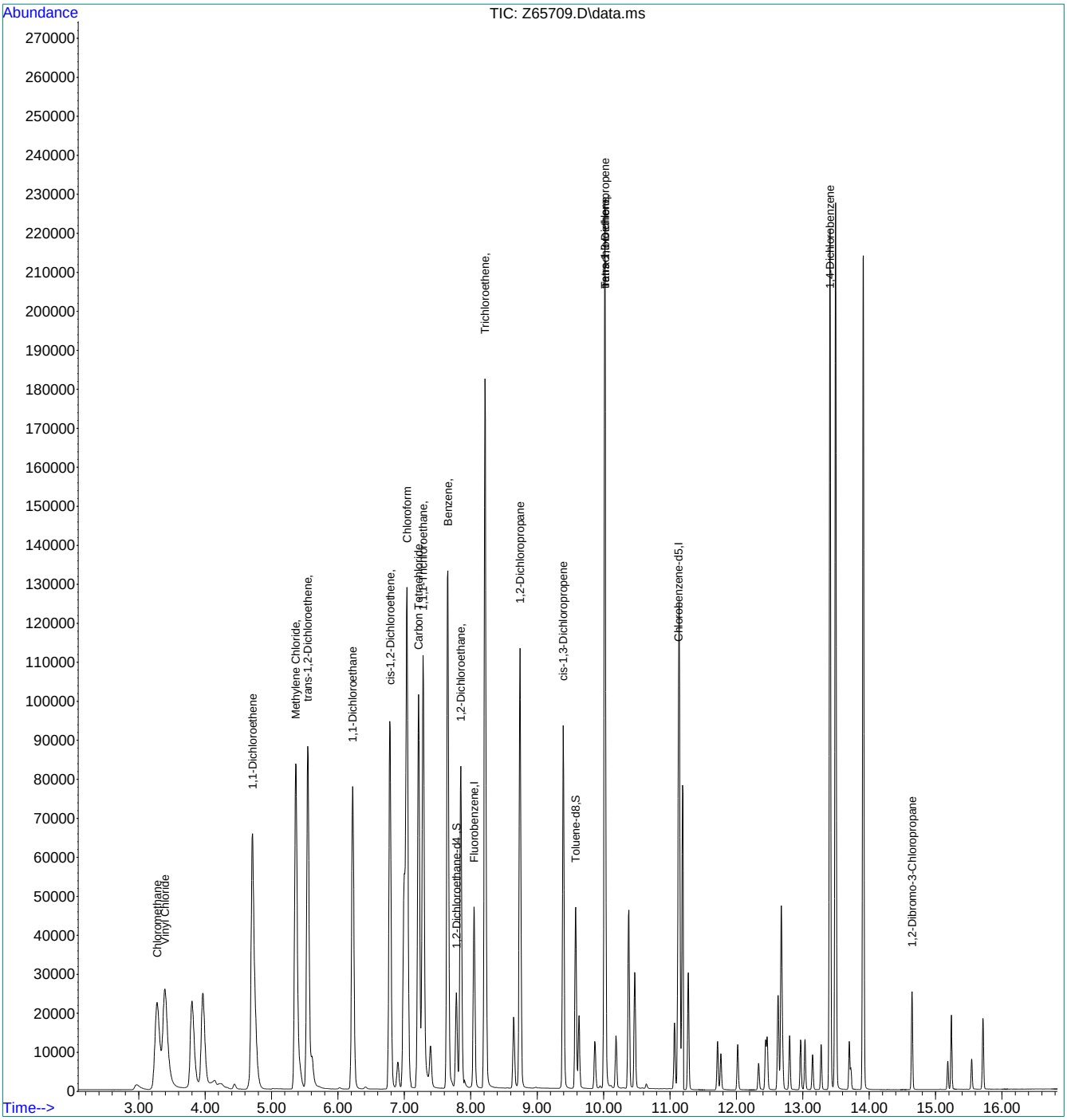
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55195	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.129	117	48252	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	22582	5.21	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.20%			
19) Toluene-d8	9.582	98	47291	4.72	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 94.40%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	87147	9.45	ug/L	96
3) Chloromethane	3.276	50	81950	8.21	ug/L	99
4) 1,1-Dichloroethene	4.713	61	92518	11.17	ug/L	97
5) Methylene Chloride	5.364	49	83728	8.07	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	85573	11.18	ug/L	81
7) 1,1-Dichloroethane	6.220	63	107770	10.87	ug/L	95
8) cis-1,2-Dichloroethene	6.786	96	60298	10.43	ug/L #	72
9) Chloroform	7.039	83	131571	8.88	ug/L	87
10) Carbon Tetrachloride	7.213	117	85778	11.59	ug/L	98
11) 1,1,1-Trichloroethane	7.281	97	103685	11.29	ug/L	88
12) Benzene	7.655	78	224591	10.94	ug/L	78
14) 1,2-Dichloroethane	7.851	62	83812	11.13	ug/L	85
15) Trichloroethene	8.214	95	64672	11.09	ug/L	95
16) 1,2-Dichloropropane	8.742	63	57120	11.25	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	78434	13.06	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	74120	12.76	ug/L #	72
21) Tetrachloroethene	10.022	166	62347	10.21	ug/L #	93
22) 1,4-Dichlorobenzene	13.411	146	130489	10.47	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9365	10.71	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65709.D
Acq On : 2 Sep 2021 4:10 pm
Operator : CHARLENG
Sample : icc2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:39:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration

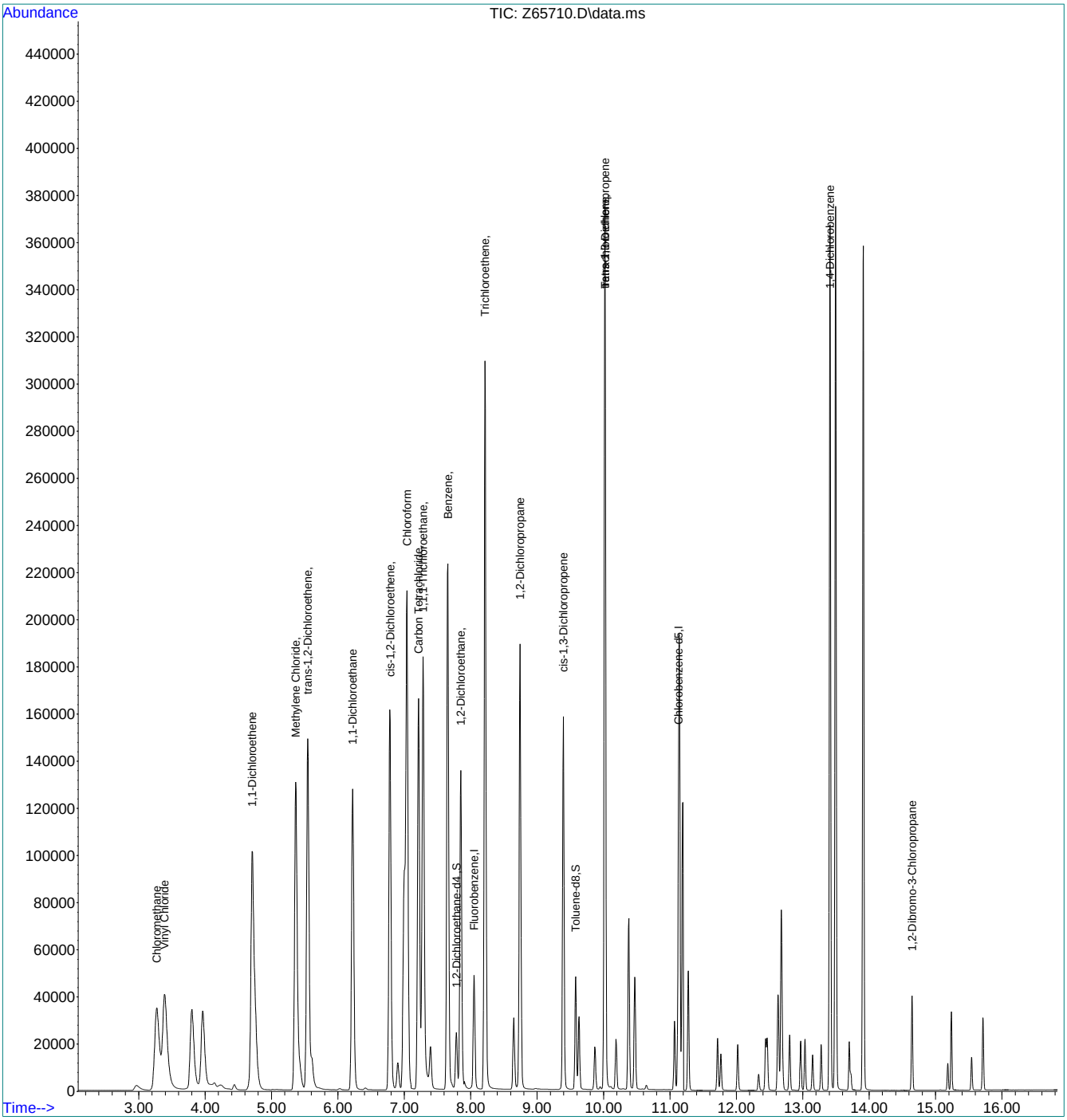
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57390	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	47769	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	22673	4.87	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 97.40%				
19) Toluene-d8	9.582	98	47981	4.85	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	133937	13.98	ug/L		96
3) Chloromethane	3.272	50	127115	12.02	ug/L		99
4) 1,1-Dichloroethene	4.709	61	150476	16.82	ug/L		97
5) Methylene Chloride	5.364	49	131443	11.80	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	143177	17.31	ug/L		79
7) 1,1-Dichloroethane	6.221	63	176336	16.46	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	103793	16.95	ug/L	#	71
9) Chloroform	7.039	83	216866	13.64	ug/L		87
10) Carbon Tetrachloride	7.214	117	140667	17.42	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	172786	17.31	ug/L		87
12) Benzene	7.655	78	378779	17.25	ug/L		77
14) 1,2-Dichloroethane	7.852	62	136164	16.57	ug/L		85
15) Trichloroethene	8.214	95	109876	17.59	ug/L		94
16) 1,2-Dichloropropane	8.742	63	96080	17.39	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	132596	20.10	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	122935	20.36	ug/L	#	72
21) Tetrachloroethene	10.022	166	100210	16.24	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	215259	17.19	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	15048	16.45	ug/L	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65710.D
Acq On : 2 Sep 2021 4:30 pm
Operator : CHARLENG
Sample : ic2584-6
Misc : MS49506,VZ2584,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 09:39:26 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:23 2021
Response via : Initial Calibration



Z65711.D

Manual Integrations APPROVED (compounds with "m" flag)

Chelsea VanDenBurg 09/03/21 14:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	62571	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.128	117	51778	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	24017	4.59	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.80%			
19) Toluene-d8	9.576	98	51975	4.86	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 97.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.393	62	187104	18.13	ug/L	95
3) Chloromethane	3.276	50	173024	14.83	ug/L	99
4) 1,1-Dichloroethene	4.708	61	215243	21.59	ug/L	98
5) Methylene Chloride	5.364	49	182569	14.76	ug/L #	59
6) trans-1,2-Dichloroethene	5.539	61	199142	21.53	ug/L	83
7) 1,1-Dichloroethane	6.221	63	250302	20.90	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	150870	22.45	ug/L #	74
9) Chloroform	7.039	83	307530	17.34	ug/L	86
10) Carbon Tetrachloride	7.213	117	201143	22.01	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	247681	21.97	ug/L	87
12) Benzene	7.648	78	546773	22.44	ug/L	80
14) 1,2-Dichloroethane	7.851	62	193807	20.89	ug/L	85
15) Trichloroethene	8.214	95	159528	22.97	ug/L	92
16) 1,2-Dichloropropane	8.742	63	137940	22.12	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	195826	26.26	ug/L #	67
20) trans-1,3-Dichloropropene	10.022	75	180580m	26.60	ug/L	
21) Tetrachloroethene	10.022	166	145912	21.58	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	317300	23.27	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	21056	20.37	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

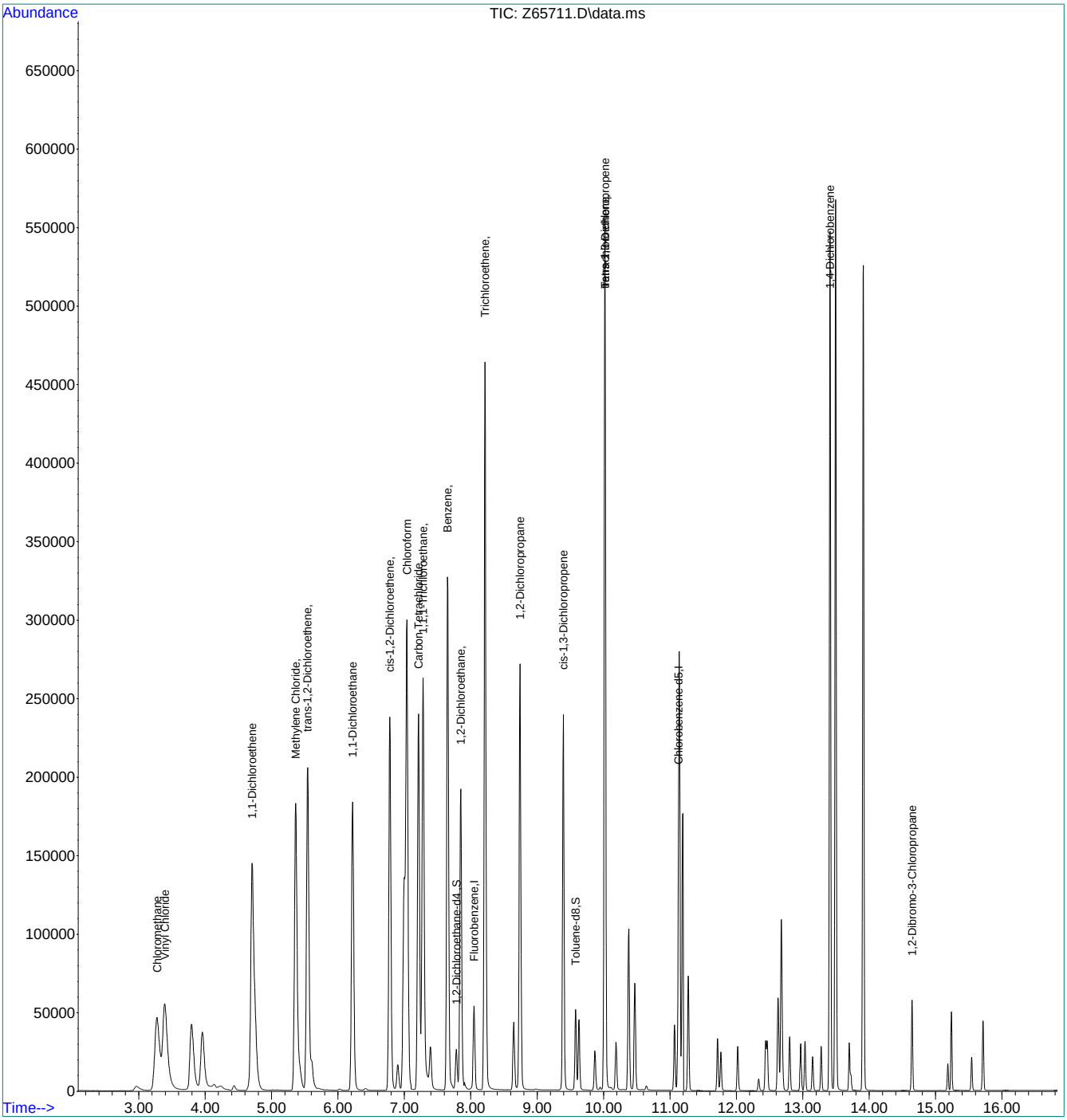
7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:58 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration



Manual Integration Approval Summary

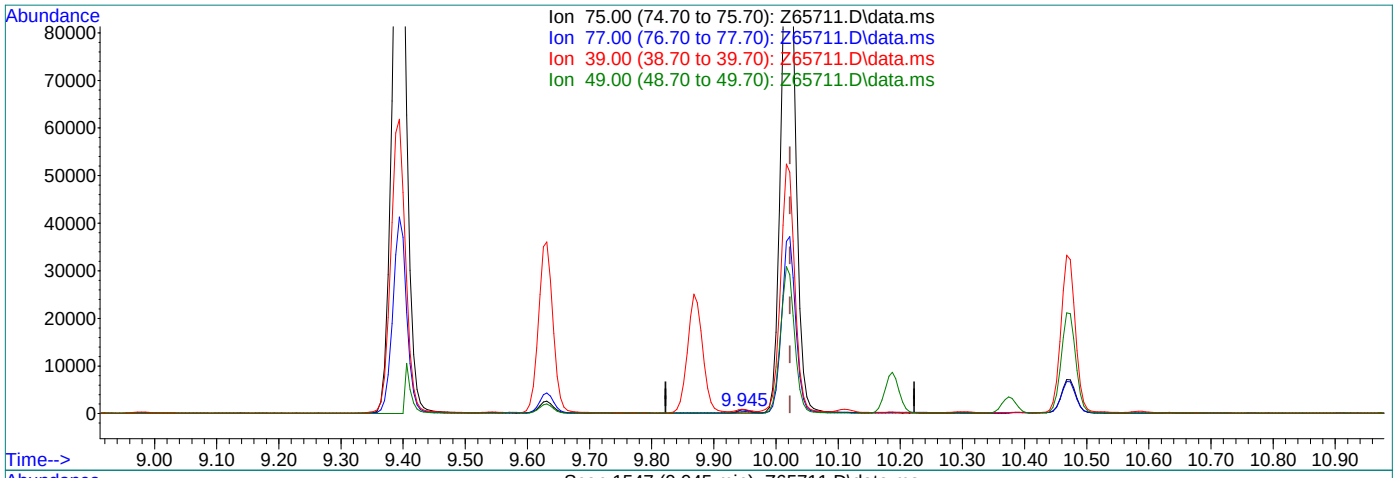
Sample Number: VZ2584-IC2584
Lab FileID: Z65711.D
Injection Time: 09/02/21 16:51
Method: SW846 8260B BY SIM
Analyst approved: 09/03/21 09:49 Charlene Gonzalez
Supervisor approved: 09/03/21 14:35 Chelsea VanDenBurg

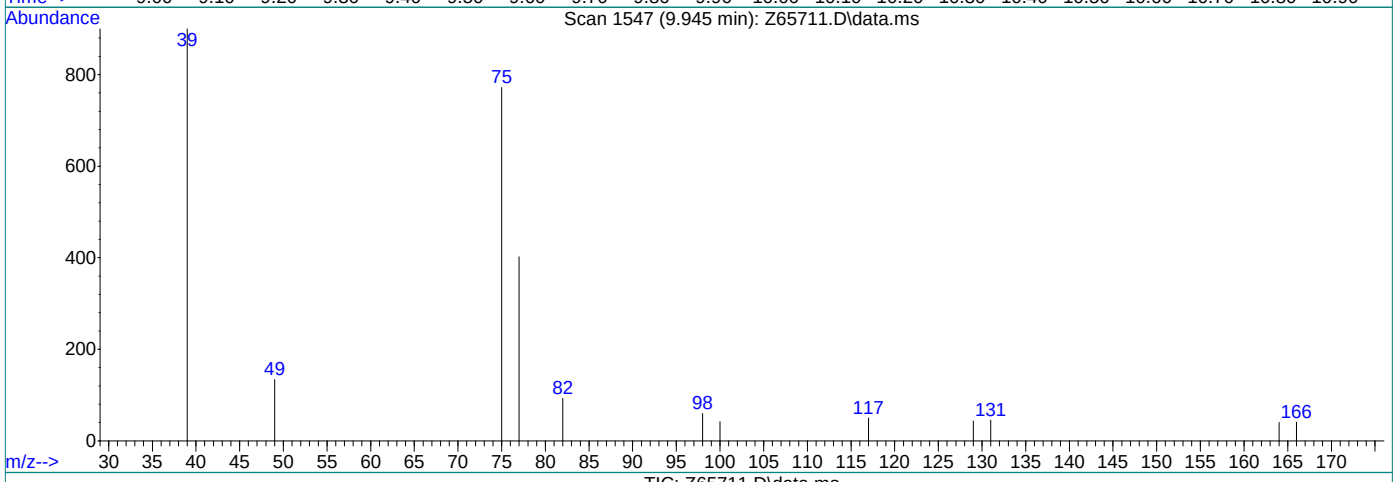
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.16ug/L

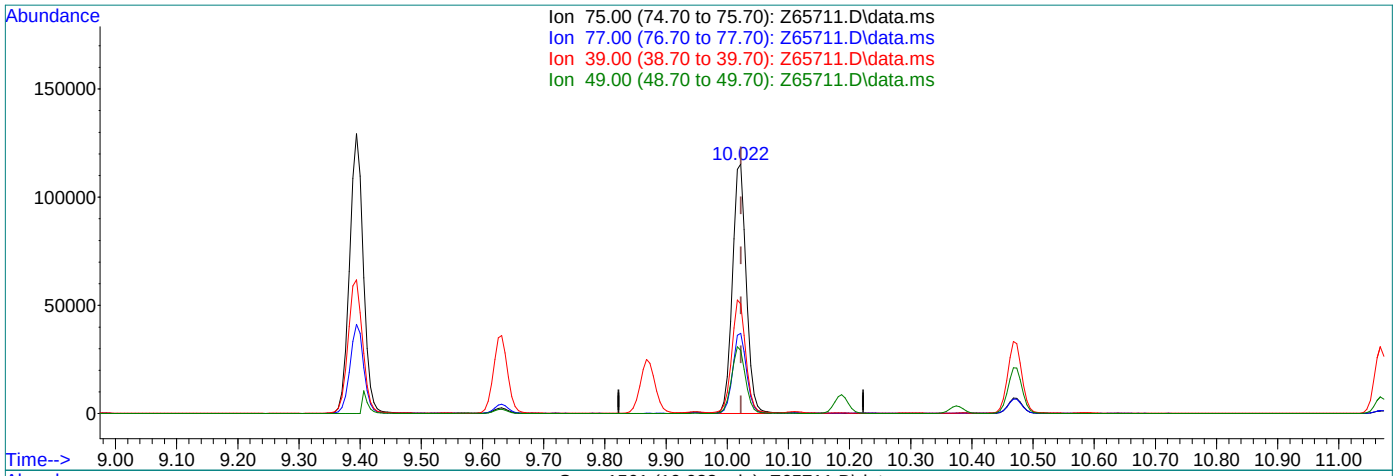
response 1119

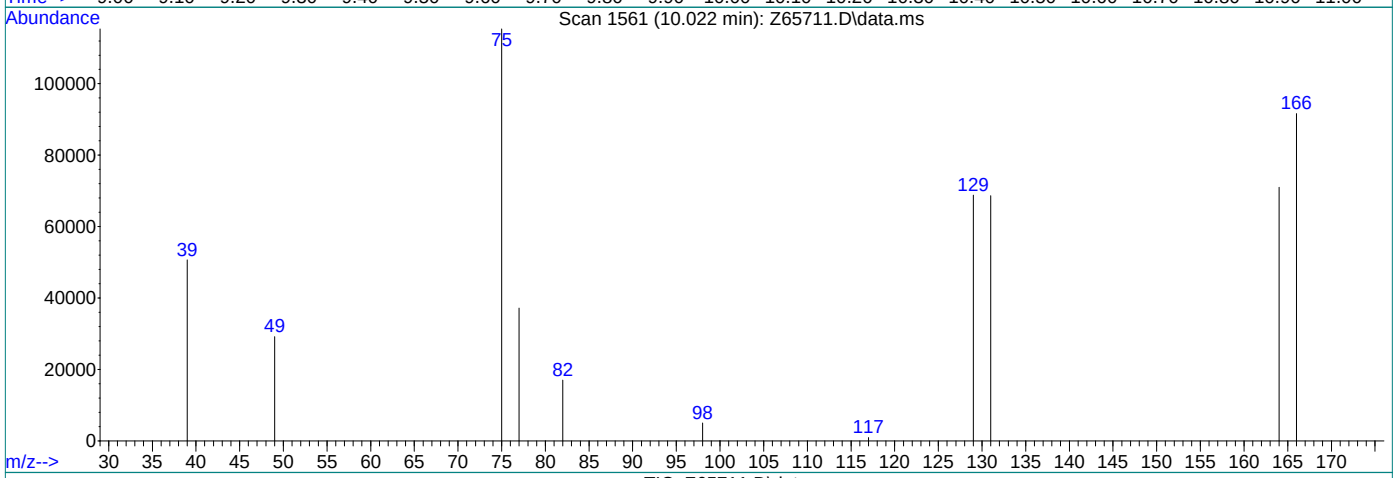
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	40.40
39.00	84.50	60.60
49.00	23.10	11.38

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65711.D
Acq On : 2 Sep 2021 4:51 pm
Operator : CHARLENG
Sample : ic2584-7
Misc : MS49506,VZ2584,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 09:39:44 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:39:41 2021
Response via : Initial Calibration





TIC: Z65711.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (-0.000) 26.60ug/L m

response 180580

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.21
39.00	84.50	43.94#
49.00	23.10	25.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

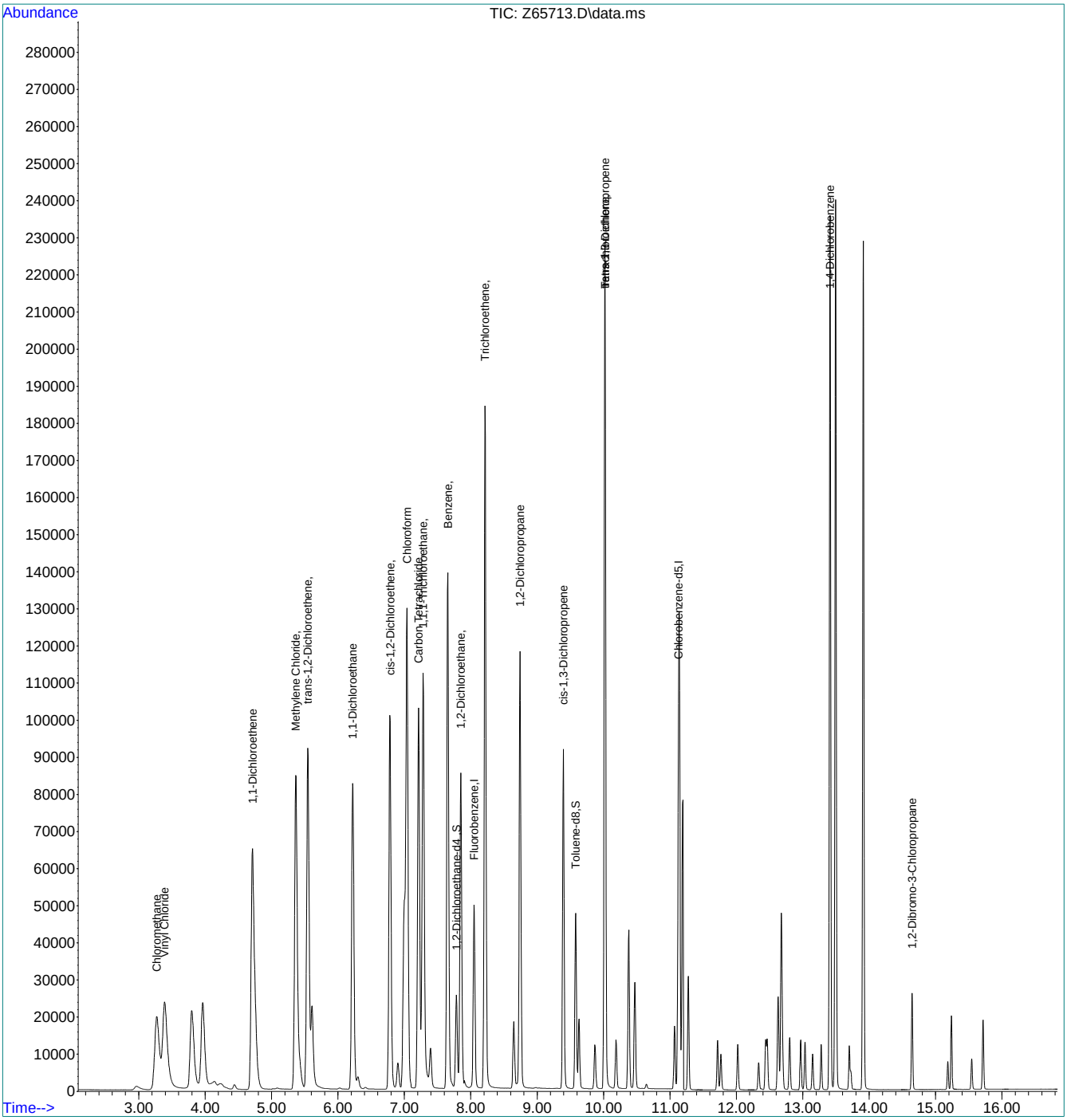
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	58471	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	49864	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	23498	4.68	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.60%				
19) Toluene-d8	9.582	98	47578	4.63	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	77995	8.11	ug/L		96
3) Chloromethane	3.272	50	71565	7.97	ug/L		99
4) 1,1-Dichloroethene	4.713	61	97316	10.11	ug/L		96
5) Methylene Chloride	5.364	49	84741	9.28	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	89226	10.00	ug/L		81
7) 1,1-Dichloroethane	6.221	63	115788	9.98	ug/L		96
8) cis-1,2-Dichloroethene	6.786	96	64106	9.96	ug/L	#	72
9) Chloroform	7.039	83	134201	9.28	ug/L		87
10) Carbon Tetrachloride	7.213	117	87096	9.72	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	105445	9.55	ug/L		89
12) Benzene	7.655	78	232516	9.93	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85793	9.49	ug/L		85
15) Trichloroethene	8.214	95	66641	9.97	ug/L		95
16) 1,2-Dichloropropane	8.742	63	59794	9.84	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75760	9.17	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	76225	9.76	ug/L	#	72
21) Tetrachloroethene	10.022	166	59587	8.94	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	139378	10.44	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9674	9.62	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-02\
Data File : Z65713.D
Acq On : 2 Sep 2021 5:32 pm
Operator : CHARLENG
Sample : icv2584-5
Misc : MS49506,VZ2584,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 09:41:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	60582	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	49907	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	23716	4.56	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 91.20%				
19) Toluene-d8	9.577	98	49419	4.81	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 96.20%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.385	62	82227	8.25	ug/L		95
3) Chloromethane	3.267	50	76870	8.29	ug/L		99
4) 1,1-Dichloroethene	4.713	61	96337	9.66	ug/L		97
5) Methylene Chloride	5.364	49	104781	11.20	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	88507	9.58	ug/L		80
7) 1,1-Dichloroethane	6.220	63	111204	9.25	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	63448	9.52	ug/L	#	72
9) Chloroform	7.039	83	137434	9.17	ug/L		87
10) Carbon Tetrachloride	7.213	117	90473	9.74	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	110338	9.64	ug/L		88
12) Benzene	7.654	78	233885	9.64	ug/L		78
14) 1,2-Dichloroethane	7.851	62	85343	9.11	ug/L		85
15) Trichloroethene	8.214	95	68431	9.88	ug/L		94
16) 1,2-Dichloropropane	8.742	63	59715	9.48	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	75248	8.83	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	66672m	8.64	ug/L		
21) Tetrachloroethene	10.022	166	62878	9.43	ug/L	#	94
22) 1,4-Dichlorobenzene	13.411	146	130239	9.74	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.647	75	7910	7.88	ug/L	#	69

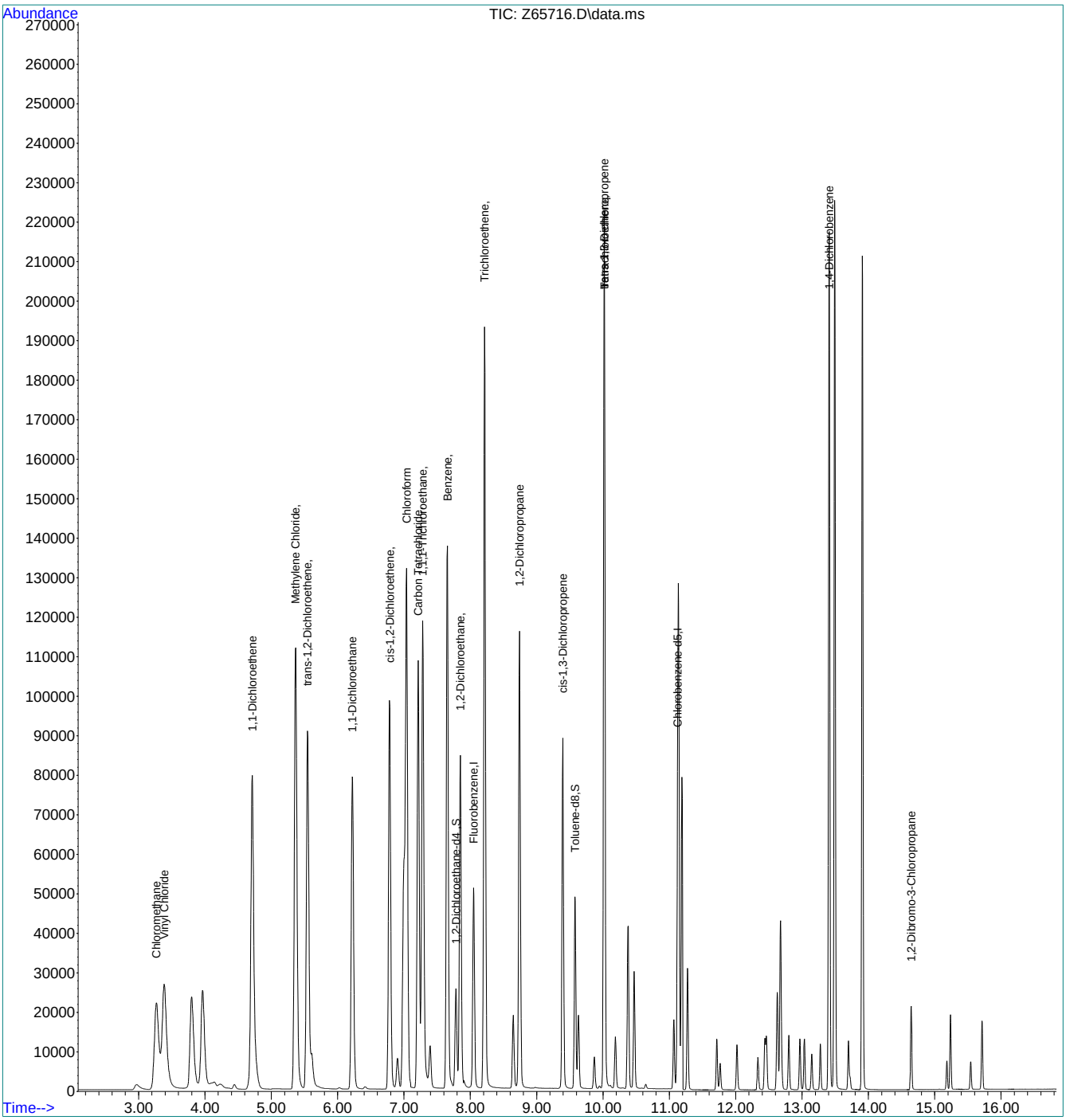
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:54 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

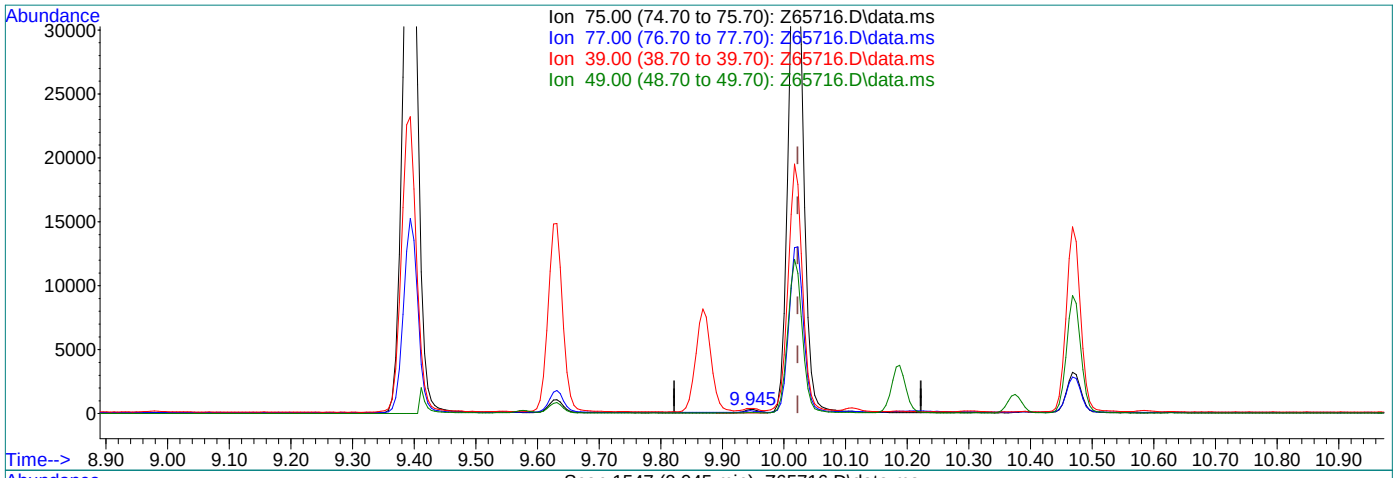
Sample Number: VZ2585-CC2584
Lab FileID: Z65716.D
Injection Time: 09/03/21 10:03
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

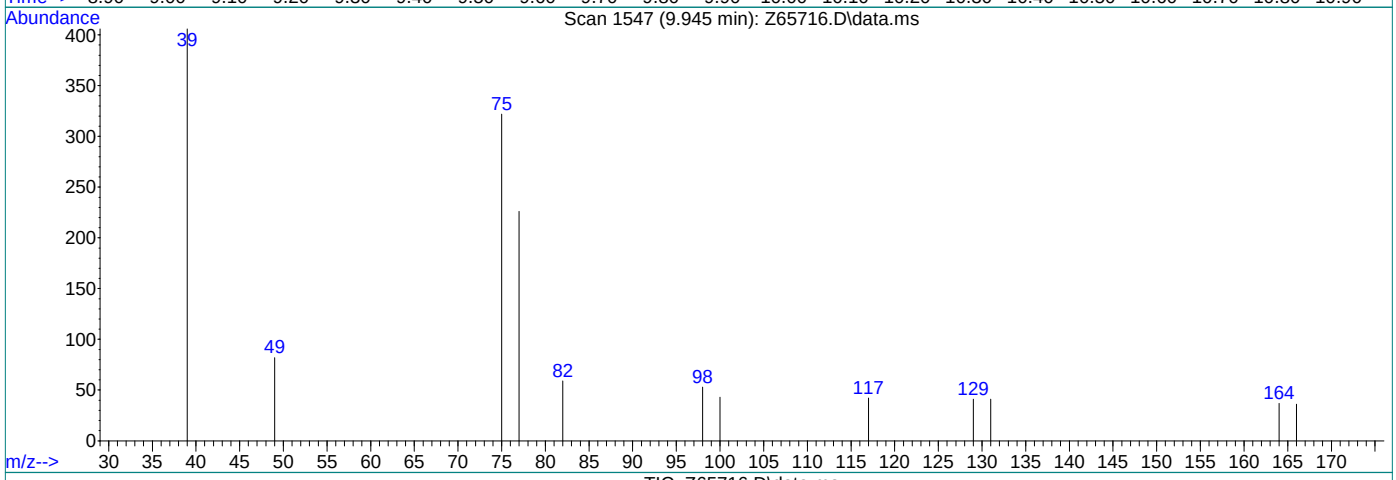
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.06ug/L

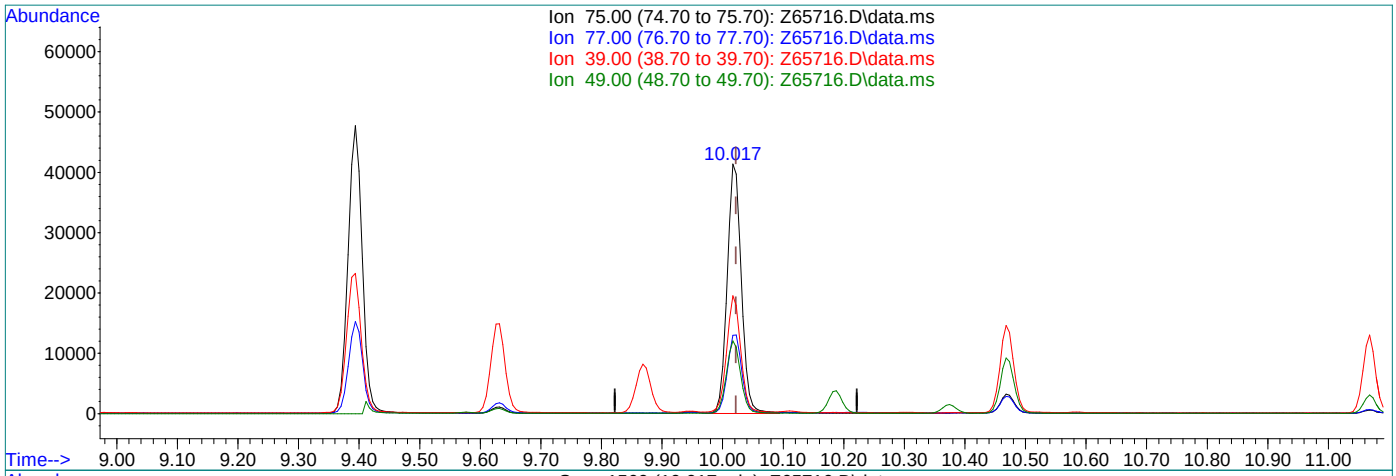
response 433

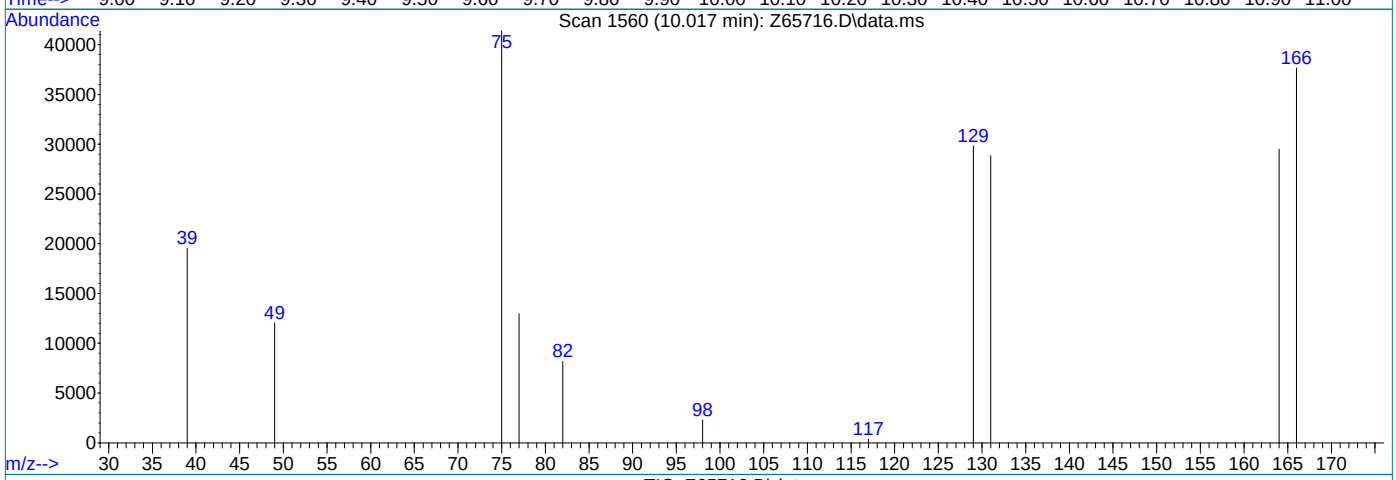
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	48.70
39.00	84.50	55.76
49.00	23.10	11.90

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65716.D
Acq On : 3 Sep 2021 10:03 am
Operator : CHARLENG
Sample : cc2584-5
Misc : MS49506,VZ2585,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 10:22:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65716.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 8.64ug/L m

response 66672

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.35
39.00	84.50	47.18#
49.00	23.10	29.17

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/04/21 11:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

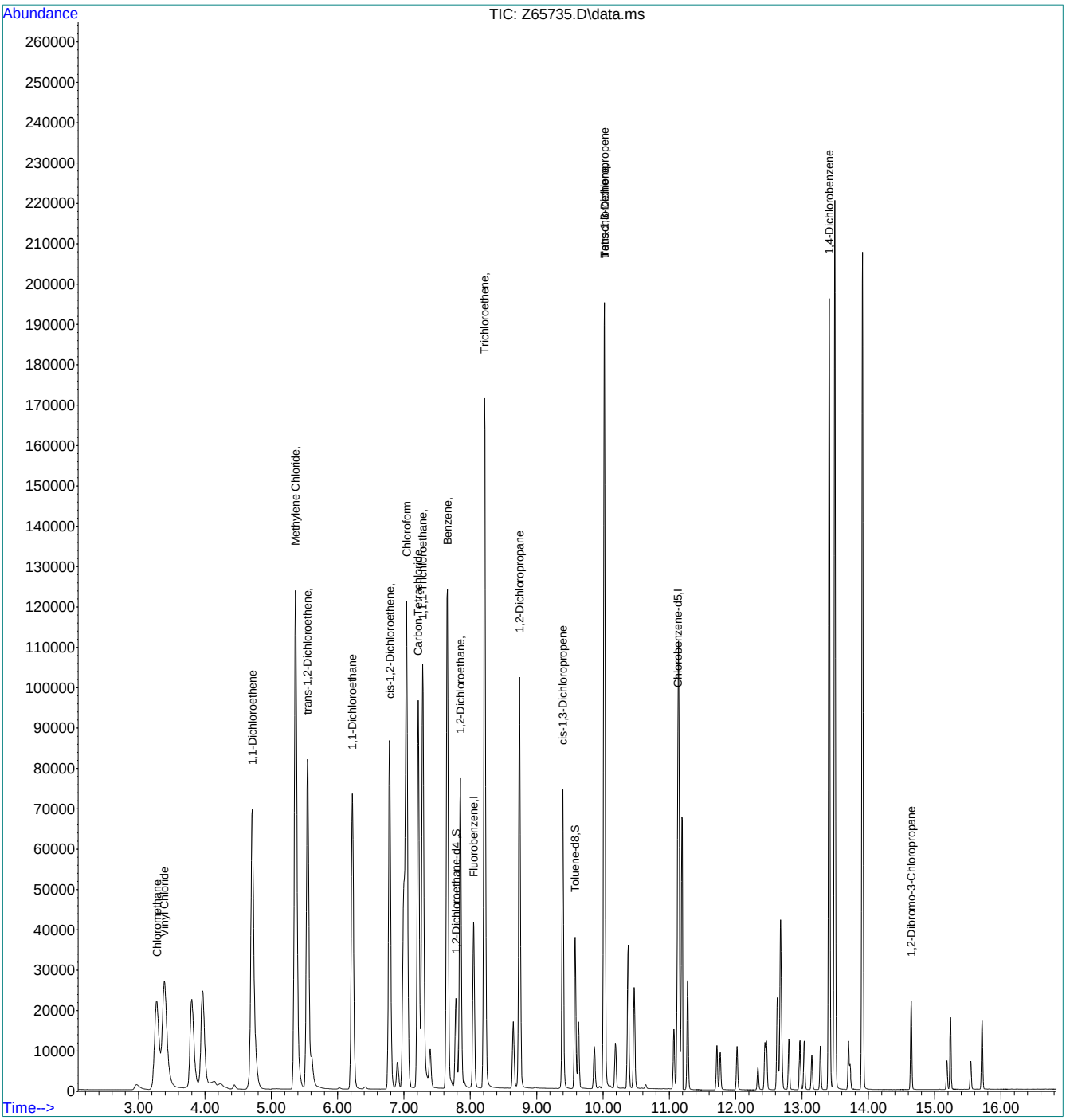
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	48867	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.128	117	41202	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	20903	4.98	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.60%				
19) Toluene-d8	9.582	98	38405	4.52	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	84605	10.52	ug/L		96
3) Chloromethane	3.276	50	78623	10.71	ug/L		98
4) 1,1-Dichloroethene	4.713	61	88223	10.96	ug/L		97
5) Methylene Chloride	5.364	49	117218	16.00	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	80165	10.75	ug/L		80
7) 1,1-Dichloroethane	6.221	63	102015	10.52	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	55479	10.32	ug/L	#	72
9) Chloroform	7.039	83	124572	10.31	ug/L		87
10) Carbon Tetrachloride	7.213	117	81069	10.82	ug/L		96
11) 1,1,1-Trichloroethane	7.281	97	98421	10.66	ug/L		89
12) Benzene	7.655	78	208595	10.66	ug/L		78
14) 1,2-Dichloroethane	7.851	62	76777	10.16	ug/L		85
15) Trichloroethene	8.214	95	61339	10.98	ug/L		96
16) 1,2-Dichloropropane	8.742	63	51055	10.05	ug/L		86
17) cis-1,3-Dichloropropene	9.394	75	62240	9.03	ug/L	#	69
20) trans-1,3-Dichloropropene	10.022	75	60324m	9.38	ug/L		
21) Tetrachloroethene	10.022	166	53138	9.65	ug/L	#	93
22) 1,4-Dichlorobenzene	13.410	146	116459	10.55	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8233	9.90	ug/L	#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:52:40 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

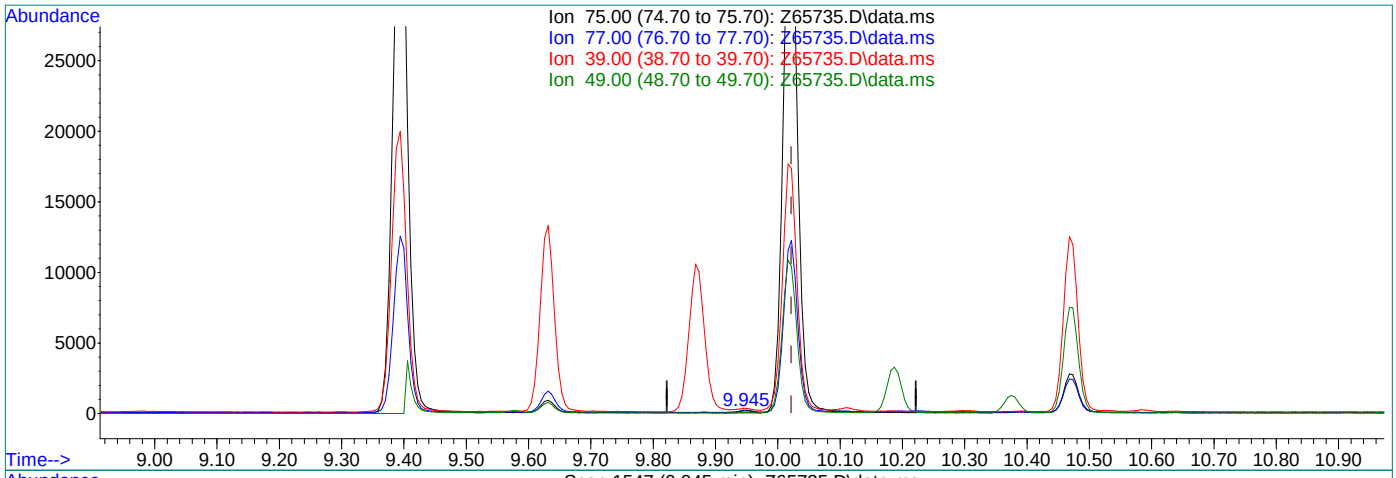
Sample Number: VZ2585-ECC2584
Lab FileID: Z65735.D
Injection Time: 09/03/21 17:15
Method: SW846 8260B BY SIM
Analyst approved: 09/04/21 08:57 Charlene Gonzalez
Supervisor approved: 09/04/21 11:05 Sean Pioro

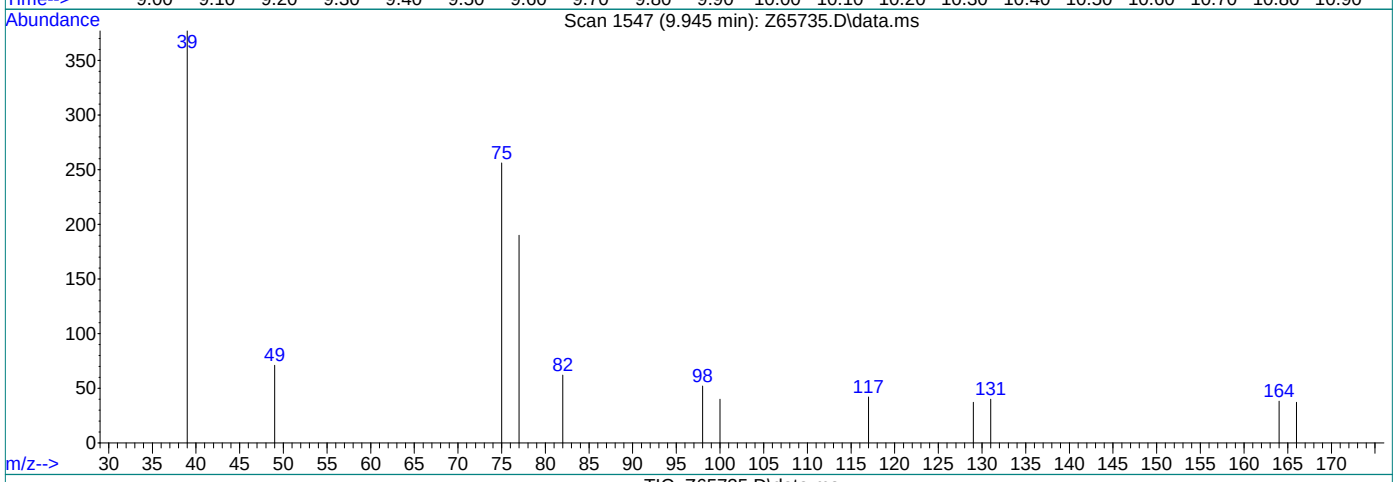
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.05ug/L

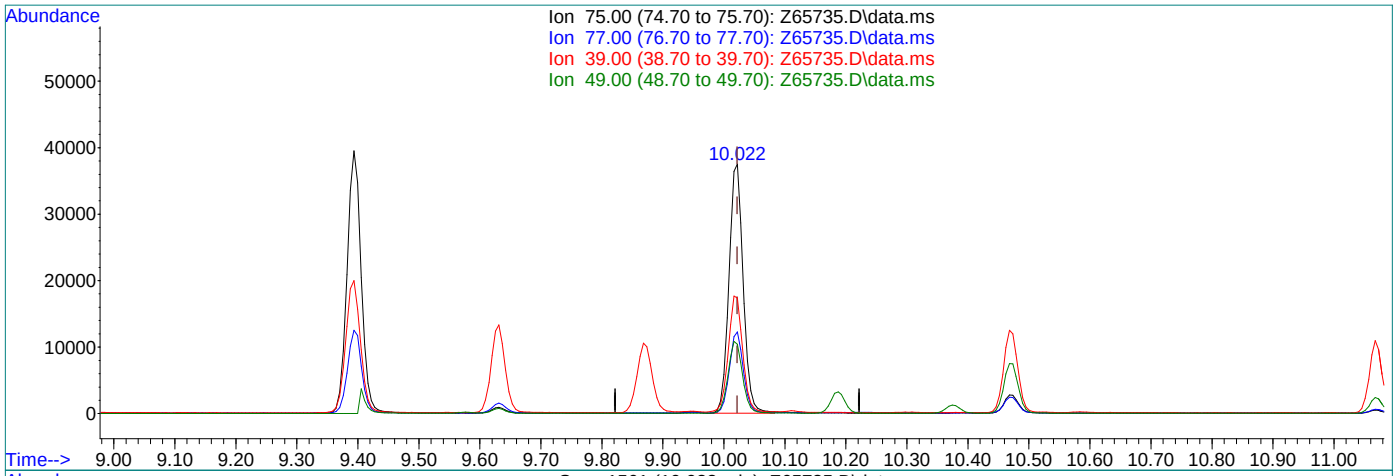
response 313

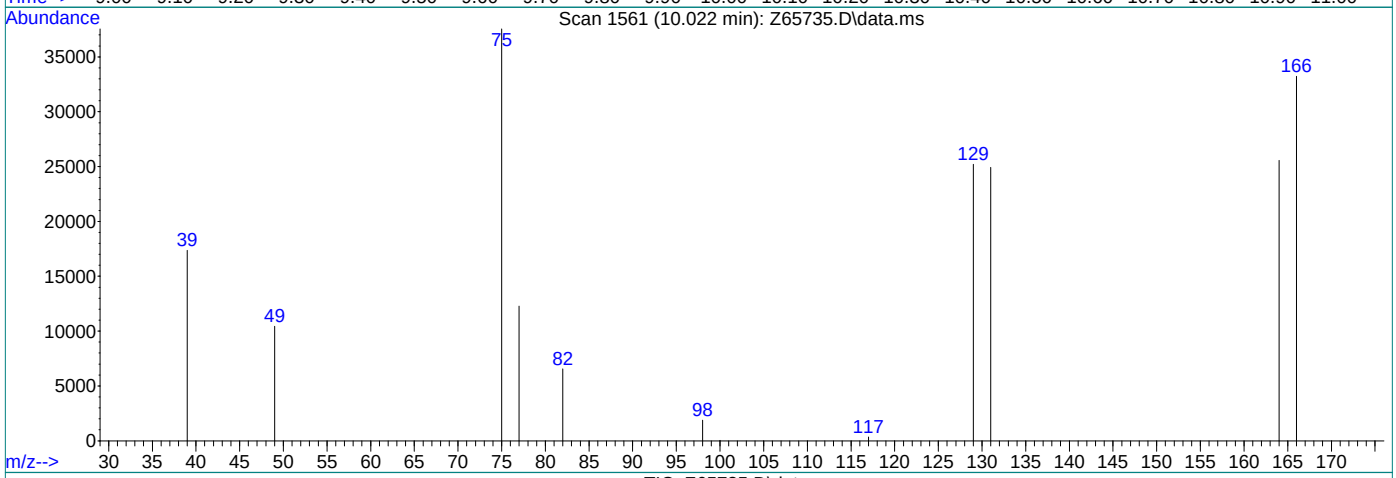
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	52.00
39.00	84.50	72.00
49.00	23.10	11.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-03\
Data File : Z65735.D
Acq On : 3 Sep 2021 5:15 pm
Operator : CHARLENG
Sample : ECC2584-5
Misc : MS49713,VZ2585,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 08:51:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-02-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65735.D\data.ms

(20) trans-1,3-Dichloropropene

10.022min (+0.000) 9.38ug/L m

response 60324

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	32.68
39.00	84.50	46.24#
49.00	23.10	27.77

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/02/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1437809	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2584		DATE VERIFIED: 09/03/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65700	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65701	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65702	CC2575-5	-	-	w	3	ACQ_SIMCLB		-	-	-	50µL → 50mL ; multiple failures
Z65703	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL
Z65704	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65705	IC2584-1	-	-	w	6	ACQ_SIMCLB	#3, 22, 23 MP ; #9-11 PDB	-	-	-	1µL → 100mL ✓
Z65706	IC2584-2	-	-	w	7	ACQ_SIMCLB	#9, 10 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65707	IC2584-3	-	-	w	8	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65708	IC2584-4	-	-	w	9	ACQ_SIMCLB	#20 MP	-	-	-	25µL → 50mL ✓
Z65709	ICC2584-5	-	-	w	10	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65710	IC2584-6	-	-	w	11	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65711	IC2584-7	-	-	w	12	ACQ_SIMCLB	#20 MP	-	-	-	100µL → 50mL ✓
Z65712	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65713	ICV2584-5	-	-	w	14	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/03/2021	METHOD(s): SimChloride	BFB: V2371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-02-2021.M	ICAL/CC: VS1411, VS1463	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/02/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1694V	ICV/QC: VS1412, VS1464	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1582784	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2585		DATE VERIFIED: 09/04/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65714	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65715	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65716	CC2584-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65717	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65718	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65719	MB	-	-	w	6	ACQ_SIMCLB		-	-	-	
Z65720	FA88610-6	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65721	FA88607-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65722	FA88607-1	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65723	FA88607-3	1x	1	w	10	ACQ_SIMCLB		1	N	-	
Z65724	FA88607-4	1x	1	w	11	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65725	FA88605-1	1x	1	w	12	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65726	FA88605-2	1x	1	w	13	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65727	FA88605-3	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65728	Conditioning Std.	-	-	w	15	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65729	Blank	-	-	w	16	ACQ_SIMCLB		-	-	-	
Z65730	FA88608-1	1x	1	w	17	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65731	FA88608-2	1x	1	w	18	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65732	FA88608-3	1x	1	w	19	ACQ_SIMCLB		1	N	1x	GC Connection lost - not acq.
Z65733	FA88607-3MS	5x	1	w	20	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65734	FA88607-3MSD	5x	1	w	21	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65735	ECC2584-5	1x	1	w	22	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate.
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: Charlene G

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

SGS Job Number: FA88606

Sampling Date: 08/30/21

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisler@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: 255

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, UT, VT, WA, WV

Test results relate only to samples analyzed.

Table of Contents

Table of Contents

SGS North America Inc.

Sample Summary

Ahtna Global, LLC

Job No: FA88606

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA88606-1	08/30/21	07:45	TSCS	09/02/21	AQ	Trip Blank Water	2135XOU2154A
FA88606-2	08/30/21	08:40	TSCS	09/02/21	AQ	Ground Water	2135XOU2155F
FA88606-3	08/30/21	08:55	TSCS	09/02/21	AQ	Ground Water	2135X0BW156F
FA88606-4	08/30/21	09:15	TSCS	09/02/21	AQ	Ground Water	2135XOU2157F
FA88606-5	08/30/21	09:40	TSCS	09/02/21	AQ	Ground Water	2135XOU2158F
FA88606-6	08/30/21	09:55	TSCS	09/02/21	AQ	Ground Water	2135X0BW159F
FA88606-7	08/30/21	10:00	TSCS	09/02/21	AQ	Ground Water	2135X0BW160D
FA88606-8	08/30/21	10:50	TSCS	09/02/21	AQ	Ground Water	2135X0BW161F
FA88606-9	08/30/21	10:55	TSCS	09/02/21	AQ	Ground Water	2135X0BW162D
FA88606-10	08/30/21	11:15	TSCS	09/02/21	AQ	Ground Water	2135X00B163F
FA88606-11	08/30/21	13:20	TSCS	09/02/21	AQ	Ground Water	2135X0BW164F
FA88606-12	08/30/21	13:25	TSCS	09/02/21	AQ	Ground Water	2135X0BW165C
FA88606-13	08/30/21	13:45	TSCS	09/02/21	AQ	Ground Water	2135X0BW166F

SGS North America Inc.

Sample Summary
(continued)

Ahtna Global, LLC

Job No: FA88606

Fort Ord Groundwater Monitoring
Project No: 21065.000.01.0000 (Fort Ord 3Q2021 GWM) OUCTP-A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA88606-14	08/30/21	14:00	TSCS	09/02/21	AQ	Ground Water	2135X0BW167F
FA88606-15	08/30/21	09:35	LHTM	09/02/21	AQ	Ground Water	2135W0BW213F
FA88606-16	08/30/21	09:40	LHTM	09/02/21	AQ	Ground Water	2135W0BW214D
FA88606-17	08/30/21	07:00	LHTM	09/02/21	AQ	Trip Blank Water	2135W0BW211A
FA88606-18	08/30/21	11:49	LHTM	09/02/21	AQ	Ground Water	2135W0BW215F
FA88606-19	08/30/21	16:15	LHTM	09/02/21	AQ	Ground Water	2135W0BW219C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC **Job No:** FA88606

Site: Fort Ord Groundwater Monitoring **Report Date:** 9/15/2021 1:57:53

On 09/02/2021, 17 Sample(s), 2 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of FA88606 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VZ2590

Sample(s) FA88606-3MS, FA88606-3MSD were used as the QC samples indicated.

Sample(s) FA88606-1, FA88606-10, FA88606-11, FA88606-12, FA88606-13, FA88606-14, FA88606-15, FA88606-16, FA88606-17, FA88606-18, FA88606-19, FA88606-3, FA88606-4, FA88606-5, FA88606-6, FA88606-7, FA88606-8, FA88606-9 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

FA88606-1 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-3 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-4 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-5 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-6 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-7 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-8 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-9 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-10 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-11 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-12 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-13 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-14 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-15 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-16 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-17 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-18 for Methylene Chloride: Suspected laboratory contaminant.

FA88606-19 for Methylene Chloride: Suspected laboratory contaminant.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: FA88606
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88606-1	**2135XOU2154A**					
Methylene Chloride [a]		0.52 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-2	**2135XOU2155F**					
Chloroform		0.22 J	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88606-3	**2135X0BW156F**					
Carbon Tetrachloride		0.37 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.41 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.54 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-4	**2135XOU2157F**					
Carbon Tetrachloride		0.22 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.51	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.57 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-5	**2135XOU2158F**					
Carbon Tetrachloride		1.1	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.54	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.58 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-6	**2135X0BW159F**					
Chloroform		0.33 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.60 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-7	**2135X0BW160D**					
Carbon Tetrachloride		0.16 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.25 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.59 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-8	**2135X0BW161F**					
Methylene Chloride [a]		0.61 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-9	**2135X0BW162D**					
Methylene Chloride [a]		0.64 JB	2.0	0.50	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88606
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA88606-10	**2135X00B163F**					
Carbon Tetrachloride		0.23 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.64 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-11	**2135X0BW164F**					
Chloroform		1.5	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.70 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-12	**2135X0BW165C**					
Methylene Chloride [a]		0.70 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-13	**2135X0BW166F**					
Carbon Tetrachloride		0.88	0.50	0.25	ug/l	SW846 8260B BY SIM
Chloroform		0.36 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.85 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.70	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88606-14	**2135X0BW167F**					
Methylene Chloride [a]		0.79 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.58	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88606-15	**2135W0BW213F**					
1,2-Dichloroethene (total)		0.23 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.83 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.56	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88606-16	**2135W0BW214D**					
1,2-Dichloroethene (total)		0.20 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]		0.88 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
Trichloroethylene		0.53	0.50	0.25	ug/l	SW846 8260B BY SIM
FA88606-17	**2135W0BW211A**					
Methylene Chloride [a]		0.92 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-18	**2135W0BW215F**					
Carbon Tetrachloride		0.14 J	0.50	0.25	ug/l	SW846 8260B BY SIM

Summary of Hits

Job Number: FA88606
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	LOQ	LOD	Units	Method
Chloroform	0.18 J	0.50	0.25	ug/l	SW846 8260B BY SIM
Methylene Chloride [a]	0.92 JB	2.0	0.50	ug/l	SW846 8260B BY SIM
FA88606-19 2135W0BW219C					
Methylene Chloride [a]	0.85 JB	2.0	0.50	ug/l	SW846 8260B BY SIM

(a) Suspected laboratory contaminant.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135XOU2154A		
Lab Sample ID:	FA88606-1	**Date Sampled:**	08/30/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65841.D	1	09/10/21 16:11	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.52	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135XOU2155F		
Lab Sample ID:	FA88606-2	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65842.D	1	09/10/21 16:31	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.22	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW156F		
Lab Sample ID:	FA88606-3	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65843.D	1	09/10/21 16:52	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.37	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.41	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.54	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135XOU2157F		
Lab Sample ID:	FA88606-4	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65844.D	1	09/10/21 17:12	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.22	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.51	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.57	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135XOU2158F		
Lab Sample ID:	FA88606-5	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65845.D	1	09/10/21 17:33	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.54	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.58	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW159F		
Lab Sample ID:	FA88606-6	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65846.D	1	09/10/21 17:53	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.33	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.60	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW160D		
Lab Sample ID:	FA88606-7	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65847.D	1	09/10/21 18:13	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.59	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW161F		
Lab Sample ID:	FA88606-8	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65848.D	1	09/10/21 18:34	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.61	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW162D		
Lab Sample ID:	FA88606-9	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65849.D	1	09/10/21 18:54	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.64	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X00B163F		
Lab Sample ID:	FA88606-10	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65850.D	1	09/10/21 19:14	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.23	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.64	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW164F		
Lab Sample ID:	FA88606-11	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65851.D	1	09/10/21 19:35	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	1.5	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.70	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW165C		
Lab Sample ID:	FA88606-12	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65852.D	1	09/10/21 19:55	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.70	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW166F		
Lab Sample ID:	FA88606-13	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65853.D	1	09/10/21 20:15	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.88	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.36	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.85	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.70	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135X0BW167F		
Lab Sample ID:	FA88606-14	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65854.D	1	09/10/21 20:36	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.79	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.58	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW213F		
Lab Sample ID:	FA88606-15	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65855.D	1	09/10/21 20:56	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.23	0.50	0.25	0.10	ug/l	J
75-09-2	Methylene Chloride [a]	0.83	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.56	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW214D		
Lab Sample ID:	FA88606-16	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65856.D	1	09/10/21 21:16	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.20	0.50	0.25	0.10	ug/l	J
75-09-2	Methylene Chloride [a]	0.88	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.53	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW211A		
Lab Sample ID:	FA88606-17	**Date Sampled:**	08/30/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65857.D	1	09/10/21 21:36	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.92	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW215F		
Lab Sample ID:	FA88606-18	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65858.D	1	09/10/21 21:57	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.14	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.92	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	2135W0BW219C		
Lab Sample ID:	FA88606-19	**Date Sampled:**	08/30/21
Matrix:	AQ - Ground Water	**Date Received:**	09/02/21
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z65859.D	1	09/10/21 22:17	CG	n/a	n/a	VZ2590
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride [a]	0.85	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.050 U	0.10	0.050	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CADS2350
Ahtna

CHAIN OF CUSTODY

FA88606

WATER / SOIL

Chain of Custody #: 0317 1 OF 2

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: T. Stuart C. Shirey
Project Name: Fort Ord Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

VOCs 8260 - SIM
Metals 6010 C
Chloride 9056A

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
1	2135X0021154A	8/30/2021	0745	X			2	2								X			
2	2135X0021155F		0840	X			3	3								X			
3	2135XØBW156F		0855	X			3	3								X			
4	2135X0021157F		0915	X			3	3								X			
5	2135X0021158F		0940	X			3	3								X			
~~6~~	~~2135X0021159D~~		~~0945~~	~~X~~			~~3~~	~~3~~								~~X~~			(5)
6	2135XØBW159F		0955	X			3	3								X			
7	2135XØBW160D		1000	X			2	2								X			
8	2135XØBW161F		1050	X			3	3								X			
9	2135XØBW162D		1055	X			2	2								X			
10	2135XØØB163F		1115	X			3	3								X			
11	2135XØBW164F		1320	X			3	3								X			
12	2135XØBW165C		1325	X			3	3								X			
13	2135XØBW166F		1345	X			3	3								X			
14	2135XØBW167F		1400	X			3	3								X			

Turnaround Time: X : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush

Shipment: Method: ~~INITIAL ASSESSMENT~~

Comments:

OUCTPA

LABEL VERIFICATION 2.2 IBTA1

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
	8/30/2021 / 1440	Steve Kerday	8.30.21 / 1445
Relinquished By: Steve Kerday	Date/Time: 8.31.21 / 1040	Received By: Lee Barton	Date/Time: 8/31/21 1040
Relinquished By: Lee Barton	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX	Date/Time: 8/31/21 1500
		Alex Delgado	9/2/21 0945

5.1 5

CADS2350
Ahtna

CHAIN OF CUSTODY

FA88606

WATER / SOIL

Chain of Custody #: 0301

2 OF 2

Carbon Copies: White - Laboratory Yellow - Ahtna

Project Information:

Project Location: Former Fort Ord, CA
Sampler/s: L. Henderson / T. moore
Project Name: Ft. ORD Basewide GWM
Report To: Derek Lieberman
Project Number: 21065.000.01.0000
E-Mail: dlieberman@ahtna.net
Sampling Event/Site: 3Q2021
Laboratory: SGS

Analysis Requested

Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	VOCs 8260 - SIM	Metals 6010 C	Chloride 9056A	Notes
15	2135WØBW213F	8-30-21	0935	x			3	x								x			
16	2135WØBW214D		0940	x			2	x								x			
17	2135WØBW211A		0700	x			2	x								x			
18	2135WØBW215F		1149	x			3	x								x			
19	2135WØBW219C		1615	x			3	x								x			

Lab Sample Receipt

Laboratory Sample Delivery Group #:
Custody Seal:
Temp (°C):

Turnaround Time: ✓ : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush
Shipment: Method: Tracking ID:

Comments:

OUCTP-A

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time:	Received By:	Date/Time:
Tom M	8-30-21 @1700	Steve Noday	8-30-21 / 1700
Relinquished By: Steve Noday	Date/Time: 8-31-21 / 1040	Received By: Lee Bauter	Date/Time: 8/31/21 1040
Relinquished By: Lee Bauter	Date/Time: 8/31/21 1500	Received By Laboratory: FEDEX	Date/Time: 8/31/21
Carlos M Delgado	9/2/21 0945		

5.1 5

SGS Sample Receipt Summary

Job Number: FA88606 **Client:** AHTNA **Project:** Former Fort Ord 3Q2021 GWM - OUCTP-A

Date / Time Received: 9/2/2021 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 774691790525

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☑		☐	☐
2. Trip Blank listed on COC	☑		☐	☐

	W	or	S	N/A
3. Type Of TB Received	☑		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☑	☐
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments Cooler was received on 09/02/21 due to FedEx Service Delays [1 Day delayed in Transit]

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 9/2/2021 9:45:00 AM Reviewer: PH Date: 9/15/2021

FA88606: Chain of Custody
Page 3 of 3

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88606
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ2590	SW846 8260B BY SIM						
VZ2590-BS	56-23-5	Carbon Tetrachloride	BSP	REC	104	%	72-136
VZ2590-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VZ2590-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	102	%	71-131
VZ2590-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	101	%	79-121
VZ2590-BS	75-09-2	Methylene Chloride	BSP	REC	98	%	74-124
VZ2590-BS	127-18-4	Tetrachloroethylene	BSP	REC	110	%	74-129
VZ2590-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VZ2590-BS	75-01-4	Vinyl Chloride	BSP	REC	102	%	58-137
VZ2590-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	101	%	81-118
VZ2590-BS	2037-26-5	Toluene-D8	BSP	SURR	90	%	89-112
FA88606-3MS	56-23-5	Carbon Tetrachloride	MS	REC	113	%	72-136
FA88606-3MS	67-66-3	Chloroform	MS	REC	113	%	79-124
FA88606-3MS	75-35-4	1,1-Dichloroethylene	MS	REC	110	%	71-131
FA88606-3MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	110	%	79-121
FA88606-3MS	75-09-2	Methylene Chloride	MS	REC	147	%	74-124
FA88606-3MS	127-18-4	Tetrachloroethylene	MS	REC	117	%	74-129
FA88606-3MS	79-01-6	Trichloroethylene	MS	REC	117	%	79-123
FA88606-3MS	75-01-4	Vinyl Chloride	MS	REC	110	%	58-137
FA88606-3MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FA88606-3MS	2037-26-5	Toluene-D8	MS	SURR	86 [a]	%	89-112
FA88606-3MSD	56-23-5	Carbon Tetrachloride	MSD	REC	112	%	72-136
FA88606-3MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FA88606-3MSD	67-66-3	Chloroform	MSD	REC	112	%	79-124
FA88606-3MSD	67-66-3	Chloroform	MSD	RPD	1	%	20
FA88606-3MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	110	%	71-131
FA88606-3MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	0	%	20
FA88606-3MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FA88606-3MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	0	%	20
FA88606-3MSD	75-09-2	Methylene Chloride	MSD	REC	149	%	74-124
FA88606-3MSD	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FA88606-3MSD	127-18-4	Tetrachloroethylene	MSD	REC	116	%	74-129
FA88606-3MSD	127-18-4	Tetrachloroethylene	MSD	RPD	1	%	20
FA88606-3MSD	79-01-6	Trichloroethylene	MSD	REC	116	%	79-123
FA88606-3MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FA88606-3MSD	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FA88606-3MSD	75-01-4	Vinyl Chloride	MSD	RPD	1	%	20
FA88606-3MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FA88606-3MSD	2037-26-5	Toluene-D8	MSD	SURR	87 [a]	%	89-112
VZ2590-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	103	%	81-118
VZ2590-MB	2037-26-5	Toluene-D8	MB	SURR	92	%	89-112
FA88606-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88606-1	2037-26-5	Toluene-D8	SAMP	SURR	92	%	89-112

* Sample used for QC is not from job FA88606

QC Evaluation: DOD QSM5.x Limits

Job Number: FA88606
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/30/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FA88606-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88606-2	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FA88606-3	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88606-4	2037-26-5	Toluene-D8	SAMP	SURR	92	%	89-112
FA88606-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88606-5	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88606-6	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FA88606-7	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-8	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FA88606-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88606-9	2037-26-5	Toluene-D8	SAMP	SURR	92	%	89-112
FA88606-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-10	2037-26-5	Toluene-D8	SAMP	SURR	89	%	89-112
FA88606-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-11	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-12	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-13	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FA88606-14	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88606-15	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112
FA88606-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88606-16	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FA88606-17	2037-26-5	Toluene-D8	SAMP	SURR	90	%	89-112
FA88606-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88606-18	2037-26-5	Toluene-D8	SAMP	SURR	89	%	89-112
FA88606-19	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FA88606-19	2037-26-5	Toluene-D8	SAMP	SURR	91	%	89-112

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* Sample used for QC is not from job FA88606

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2590-MB	Z65839.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88606-1, FA88606-2, FA88606-3, FA88606-4, FA88606-5, FA88606-6, FA88606-7, FA88606-8, FA88606-9, FA88606-10, FA88606-11, FA88606-12, FA88606-13, FA88606-14, FA88606-15, FA88606-16, FA88606-17, FA88606-18, FA88606-19

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	1.2	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

Blank Spike Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ2590-BS	Z65838.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88606-1, FA88606-2, FA88606-3, FA88606-4, FA88606-5, FA88606-6, FA88606-7, FA88606-8, FA88606-9, FA88606-10, FA88606-11, FA88606-12, FA88606-13, FA88606-14, FA88606-15, FA88606-16, FA88606-17, FA88606-18, FA88606-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.2	104	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.1	102	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.1	101	76-127
75-09-2	Methylene Chloride	5	4.9	98	69-135
127-18-4	Tetrachloroethylene	5	5.5	110	76-135
79-01-6	Trichloroethylene	5	5.3	106	81-126
75-01-4	Vinyl Chloride	5	5.1	102	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	90%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA88606-3MS	Z65860.D	5	09/10/21	CG	n/a	n/a	VZ2590
FA88606-3MSD	Z65861.D	5	09/10/21	CG	n/a	n/a	VZ2590
FA88606-3	Z65843.D	1	09/10/21	CG	n/a	n/a	VZ2590

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA88606-1, FA88606-2, FA88606-3, FA88606-4, FA88606-5, FA88606-6, FA88606-7, FA88606-8, FA88606-9, FA88606-10, FA88606-11, FA88606-12, FA88606-13, FA88606-14, FA88606-15, FA88606-16, FA88606-17, FA88606-18, FA88606-19

CAS No.	Compound	FA88606-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.37	J	25	28.6	113	25	28.4	112	1	76-136/23
67-66-3	Chloroform	0.41	J	25	28.6	113	25	28.4	112	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U		25	27.5	110	25	27.6	110	0	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U		50	55.2	110	50	55.3	111	0	76-127/17
75-09-2	Methylene Chloride	0.54	JB	25	37.2	147*	25	37.7	149*	1	69-135/16
127-18-4	Tetrachloroethylene	0.50 U		25	29.3	117	25	29.1	116	1	76-135/16
79-01-6	Trichloroethylene	0.50 U		25	29.2	117	25	29.0	116	1	81-126/15
75-01-4	Vinyl Chloride	0.10 U		25	27.5	110	25	27.3	109	1	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA88606-3	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	102%	102%	74-125%
2037-26-5	Toluene-D8	86%* [a]	87%* [a]	91%	88-111%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-BFB
Lab File ID: Z65736.D
Instrument ID: GCMSZ
Injection Date: 09/07/21
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	43592	18.5		Pass
75	30.0 - 60.0% of mass 95	120435	51.1		Pass
95	Base peak, 100% relative abundance	235755	100.0		Pass
96	5.0 - 9.0% of mass 95	16239	6.89		Pass
173	Less than 2.0% of mass 174	1121	0.48	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	177536	75.3		Pass
175	5.0 - 9.0% of mass 174	12644	5.36	(7.12) [a]	Pass
176	95.0 - 101.0% of mass 174	169256	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	11265	4.78	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2586-IC2586	Z65738.D	09/07/21	10:06	01:31	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21	10:26	01:51	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21	10:46	02:11	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21	11:07	02:32	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21	11:27	02:52	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21	11:47	03:12	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21	12:08	03:33	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21	12:48	04:13	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21	14:21	05:46	Blank Spike
VZ2586-MB	Z65750.D	09/07/21	14:41	06:06	Method Blank
ZZZZZZ	Z65751.D	09/07/21	15:05	06:30	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21	15:26	06:51	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21	15:46	07:11	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21	16:07	07:32	(unrelated sample)
FA88619-2	Z65755.D	09/07/21	16:27	07:52	(used for QC only; not part of job FA88606)
ZZZZZZ	Z65756.D	09/07/21	16:48	08:13	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21	17:08	08:33	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21	17:29	08:54	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21	17:49	09:14	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21	18:09	09:34	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21	18:30	09:55	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21	18:50	10:15	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21	19:11	10:36	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21	19:31	10:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2586-BFB	**Injection Date:**	09/07/21
Lab File ID:	Z65736.D	**Injection Time:**	08:35
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88619-2MS	Z65765.D	09/07/21	19:52	11:17	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21	20:12	11:37	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21	20:32	11:57	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-BFB
Lab File ID: Z65836.D
Instrument ID: GCMSZ
Injection Date: 09/10/21
Injection Time: 14:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	31824	19.1		Pass
75	30.0 - 60.0% of mass 95	84536	50.8		Pass
95	Base peak, 100% relative abundance	166488	100.0		Pass
96	5.0 - 9.0% of mass 95	11528	6.92		Pass
173	Less than 2.0% of mass 174	1001	0.60	(0.74) [a]	Pass
174	50.0 - 100.0% of mass 95	135821	81.6		Pass
175	5.0 - 9.0% of mass 174	9658	5.80	(7.11) [a]	Pass
176	95.0 - 101.0% of mass 174	130525	78.4	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	8272	4.97	(6.34) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ2590-CC2586	Z65837.D	09/10/21	14:48	00:20	Continuing cal 5
VZ2590-BS	Z65838.D	09/10/21	15:09	00:41	Blank Spike
VZ2590-MB	Z65839.D	09/10/21	15:29	01:01	Method Blank
ZZZZZZ	Z65840.D	09/10/21	15:51	01:23	(unrelated sample)
FA88606-1	Z65841.D	09/10/21	16:11	01:43	2135XOU2154A
FA88606-2	Z65842.D	09/10/21	16:31	02:03	2135XOU2155F
FA88606-3	Z65843.D	09/10/21	16:52	02:24	2135X0BW156F
FA88606-4	Z65844.D	09/10/21	17:12	02:44	2135XOU2157F
FA88606-5	Z65845.D	09/10/21	17:33	03:05	2135XOU2158F
FA88606-6	Z65846.D	09/10/21	17:53	03:25	2135X0BW159F
FA88606-7	Z65847.D	09/10/21	18:13	03:45	2135X0BW160D
FA88606-8	Z65848.D	09/10/21	18:34	04:06	2135X0BW161F
FA88606-9	Z65849.D	09/10/21	18:54	04:26	2135X0BW162D
FA88606-10	Z65850.D	09/10/21	19:14	04:46	2135X00B163F
FA88606-11	Z65851.D	09/10/21	19:35	05:07	2135X0BW164F
FA88606-12	Z65852.D	09/10/21	19:55	05:27	2135X0BW165C
FA88606-13	Z65853.D	09/10/21	20:15	05:47	2135X0BW166F
FA88606-14	Z65854.D	09/10/21	20:36	06:08	2135X0BW167F
FA88606-15	Z65855.D	09/10/21	20:56	06:28	2135W0BW213F
FA88606-16	Z65856.D	09/10/21	21:16	06:48	2135W0BW214D
FA88606-17	Z65857.D	09/10/21	21:36	07:08	2135W0BW211A
FA88606-18	Z65858.D	09/10/21	21:57	07:29	2135W0BW215F
FA88606-19	Z65859.D	09/10/21	22:17	07:49	2135W0BW219C
FA88606-3MS	Z65860.D	09/10/21	22:37	08:09	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample:	VZ2590-BFB	**Injection Date:**	09/10/21
Lab File ID:	Z65836.D	**Injection Time:**	14:28
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA88606-3MSD	Z65861.D	09/10/21	22:57	08:29	Matrix Spike Duplicate
VZ2590-ECC2586	Z65862.D	09/10/21	23:18	08:50	Ending cal 5

Internal Standard Area Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ2590-CC2586	**Injection Date:**	09/10/21
Lab File ID:	Z65837.D	**Injection Time:**	14:48
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	60384	8.05	44007	11.12
Check Std [b]	57708	8.05	46072	11.12
Upper Limit [c]	115416	8.22	92144	11.29
Lower Limit [d]	28854	7.88	23036	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ2590-BS	56276	8.05	46836	11.12
VZ2590-MB	53250	8.05	40565	11.12
ZZZZZZ	54636	8.05	41573	11.12
FA88606-1	48541	8.05	37416	11.12
FA88606-2	54799	8.05	42413	11.12
FA88606-3	51505	8.05	39881	11.12
FA88606-4	51559	8.05	40110	11.12
FA88606-5	50087	8.05	38854	11.12
FA88606-6	49747	8.05	38746	11.12
FA88606-7	51028	8.05	39868	11.12
FA88606-8	50530	8.05	38525	11.12
FA88606-9	47095	8.05	40066	11.12
FA88606-10	49531	8.05	38610	11.12
FA88606-11	47010	8.05	36618	11.12
FA88606-12	49981	8.05	39066	11.12
FA88606-13	51633	8.05	40502	11.12
FA88606-14	47979	8.05	37713	11.12
FA88606-15	46754	8.05	36635	11.12
FA88606-16	49943	8.05	39048	11.12
FA88606-17	48063	8.05	37539	11.12
FA88606-18	48123	8.05	37755	11.12
FA88606-19	48042	8.05	37579	11.12
FA88606-3MS	48704	8.05	40059	11.12
FA88606-3MSD	49981	8.05	40502	11.12
VZ2590-ECC2586	52561	8.05	42542	11.12

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

(a) Initial Cal is: VZ2586-ICC2586 Z65742.D 09/07/21 11:27
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA88606-1	Z65841.D	102	92
FA88606-2	Z65842.D	102	91
FA88606-3	Z65843.D	102	91
FA88606-4	Z65844.D	104	92
FA88606-5	Z65845.D	104	91
FA88606-6	Z65846.D	104	90
FA88606-7	Z65847.D	104	91
FA88606-8	Z65848.D	105	93
FA88606-9	Z65849.D	107	92
FA88606-10	Z65850.D	105	89
FA88606-11	Z65851.D	105	91
FA88606-12	Z65852.D	105	90
FA88606-13	Z65853.D	105	90
FA88606-14	Z65854.D	105	90
FA88606-15	Z65855.D	107	91
FA88606-16	Z65856.D	106	90
FA88606-17	Z65857.D	107	90
FA88606-18	Z65858.D	106	89
FA88606-19	Z65859.D	106	91
FA88606-3MS	Z65860.D	102	86* [a]
FA88606-3MSD	Z65861.D	102	87* [a]
VZ2590-BS	Z65838.D	101	90
VZ2590-MB	Z65839.D	103	92

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

Initial Calibration Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICC2586
Lab FileID: Z65742.D

Response Factor Report MSVOA15

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Calibration Files
1 =Z65738.D 2 =Z65739.D 3 =Z65740.D 4 =Z65741.D
5 =Z65742.D 6 =Z65743.D 7 =Z65744.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I	Fluorobenzene	----------ISTD----------								
2)	Vinyl Chloride	0.500	0.478	0.516	0.541	0.533	0.531	0.572	0.524	5.76
3)	Chloromethane	1.202	0.657	0.608	0.579	0.557	0.552	0.593	0.678	34.44
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 0.52714 *A + 0.01459 *A^2									
4)	1,1-Dichloroethen	0.477	0.699	0.641	0.675	0.683	0.698	0.738	0.659	12.94
5)	Methylene Chlorid			1.772	0.995	0.780	0.751	0.725	1.005	44.03
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9967									
	Response Ratio = 0.00000 + 0.75449 *A									
6)	trans-1,2-Dichlor	0.433	0.659	0.607	0.629	0.641	0.657	0.690	0.617	13.77
7)	1,1-Dichloroethan	0.508	0.768	0.705	0.729	0.741	0.760	0.798	0.715	13.43
8)	cis-1,2-Dichloroe	0.342	0.516	0.463	0.476	0.484	0.498	0.523	0.472	12.92
9)	Chloroform	0.723	0.925	0.890	0.878	0.878	0.900	0.940	0.876	8.15
10)	Carbon Tetrachlor	0.418	0.593	0.581	0.607	0.611	0.628	0.664	0.586	13.47
11)	1,1,1-Trichloroet	0.537	0.723	0.711	0.733	0.742	0.756	0.795	0.714	11.57
12)	Benzene	1.247	1.737	1.591	1.628	1.642	1.669	1.754	1.610	10.57
13)S	1,2-Dichloroethan	0.343	0.345	0.356	0.331	0.329	0.330	0.330	0.338	3.06
14)	1,2-Dichloroethan	0.439	0.618	0.570	0.588	0.595	0.603	0.627	0.577	11.03
15)	Trichloroethene	0.361	0.492	0.454	0.473	0.480	0.489	0.515	0.466	10.72
16)	1,2-Dichloropropa	0.301	0.444	0.405	0.412	0.414	0.418	0.435	0.404	11.76
17)	cis-1,3-Dichlorop	0.405	0.582	0.627	0.654	0.673	0.682	0.705	0.618	16.52
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.63286 *A + 0.01776 *A^2									
18) I	Chlorobenzene-d5	----------ISTD----------								
19)S	Toluene-d8	1.197	1.228	1.212	1.211	1.214	1.201	1.202	1.209	0.85
20)	trans-1,3-Dichlor	0.383	0.548	0.697	0.741	0.781	0.814	0.845	0.687	24.12
	---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
	Response Ratio = 0.00000 + 0.71123 *A + 0.03365 *A^2									
21)	Tetrachloroethene	0.423	0.651	0.589	0.619	0.628	0.636	0.667	0.602	13.75
22)	1,4-Dichlorobenze	0.908	1.346	1.250	1.306	1.360	1.416	1.489	1.296	14.48
23)	1,2-Dibromo-3-Chl	0.101	0.096	0.094	0.097	0.106	0.113	0.124	0.105	10.44

(#) = Out of Range

SIMCL-09-07-2021.M Tue Sep 07 13:39:09 2021

Initial Calibration Verification

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-07\Z65746.D Vial: 11
Acq On : 7 Sep 2021 12:48 pm Operator: CHARLENG
Sample : icv2586-5 Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF / Amount	CCRF / Calc.	%Dev / %Drift	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00	8.05
2		Vinyl Chloride	0.524	0.503	4.0	83	0.00	3.39
		Amount / Calc. / %Drift						
3		Chloromethane	10.000	9.200	8.0	81	0.00	3.27
		AvgRF / CCRF / %Dev						
4		1,1-Dichloroethene	0.659	0.743	-12.7	96	0.00	4.71
		Amount / Calc. / %Drift						
5		Methylene Chloride	10.000	10.764	-7.6	92	0.00	5.36
		AvgRF / CCRF / %Dev						
6		trans-1,2-Dichloroethene	0.617	0.694	-12.5	96	0.00	5.54
7		1,1-Dichloroethane	0.715	0.844	-18.0	101	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.538	-14.0	98	0.00	6.78
9		Chloroform	0.876	0.960	-9.6	97	0.00	7.04
10		Carbon Tetrachloride	0.586	0.678	-15.7	98	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.812	-13.7	97	0.00	7.28
12		Benzene	1.610	1.765	-9.6	95	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	90	0.00	7.78
14		1,2-Dichloroethane	0.577	0.639	-10.7	95	0.00	7.85
15		Trichloroethene	0.466	0.526	-12.9	97	0.00	8.21
16		1,2-Dichloropropane	0.404	0.436	-7.9	93	0.00	8.74
		Amount / Calc. / %Drift						
17		cis-1,3-Dichloropropene	10.000	9.827	1.7	86	0.00	9.39
		AvgRF / CCRF / %Dev						
18	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00	11.12
19	S	Toluene-d8	1.209	1.191	1.5	86	0.00	9.58
		Amount / Calc. / %Drift						
20		trans-1,3-Dichloropropene	10.000	10.564	-5.6	92	0.00	10.02
		AvgRF / CCRF / %Dev						
21		Tetrachloroethene	0.602	0.673	-11.8	93	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.550	-19.6	99	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.120	-14.3	98	0.00	14.65

Initial Calibration Verification

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2586-ICV2586
Lab FileID: Z65746.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Tue Sep 07 13:38:58 2021

Continuing Calibration Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-CC2586
Lab FileID: Z65837.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65837.D Vial: 3
Acq On : 10 Sep 2021 2:48 pm Operator: CHARLENG
Sample : CC2586-5 Inst : MSVOA15
Misc : MS49753,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00	8.05
2		Vinyl Chloride	0.524	0.602	-14.9	108	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.258	-12.6	108	0.00	3.26
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.709	-7.6	99	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	9.517	4.8	88	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.666	-7.9	99	0.00	5.54
7		1,1-Dichloroethane	0.715	0.790	-10.5	102	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.525	-11.2	104	0.00	6.78
9		Chloroform	0.876	0.964	-10.0	105	0.00	7.04
10		Carbon Tetrachloride	0.586	0.640	-9.2	100	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.804	-12.6	104	0.00	7.28
12		Benzene	1.610	1.739	-8.0	101	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.334	1.2	97	0.00	7.78
14		1,2-Dichloroethane	0.577	0.628	-8.8	101	0.00	7.85
15		Trichloroethene	0.466	0.533	-14.4	106	0.00	8.21
16		1,2-Dichloropropane	0.404	0.450	-11.4	104	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	9.700	3.0	92	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	11.12
19	S	Toluene-d8	1.209	1.077	10.9	93	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.854	11.5	91	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.707	-17.4	118	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.412	-9.0	109	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.090	14.3	88	0.00	14.65

Continuing Calibration Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-CC2586
Lab FileID: Z65837.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Sat Sep 11 08:44:55 2021

Continuing Calibration Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-ECC2586
Lab FileID: Z65862.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\2021-09-10\Z65862.D Vial: 28
Acq On : 10 Sep 2021 11:18 pm Operator: CHARLENG
Sample : ECC2586-5 Inst : MSVOA15
Misc : MS49709,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B
Last Update : Tue Sep 07 12:33:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	87	0.00	8.05
2		Vinyl Chloride	0.524	0.628	-19.8	103	0.00	3.38
			Amount	Calc.	%Drift			
3		Chloromethane	10.000	11.544	-15.4	101	0.00	3.25
			AvgRF	CCRF	%Dev			
4		1,1-Dichloroethene	0.659	0.674	-2.3	86	0.00	4.71
			Amount	Calc.	%Drift			
5		Methylene Chloride	10.000	13.091	-30.9	110	0.00	5.36
			AvgRF	CCRF	%Dev			
6		trans-1,2-Dichloroethene	0.617	0.651	-5.5	88	0.00	5.55
7		1,1-Dichloroethane	0.715	0.785	-9.8	92	0.00	6.22
8		cis-1,2-Dichloroethene	0.472	0.525	-11.2	94	0.00	6.78
9		Chloroform	0.876	0.971	-10.8	96	0.00	7.04
10		Carbon Tetrachloride	0.586	0.635	-8.4	90	0.00	7.21
11		1,1,1-Trichloroethane	0.714	0.780	-9.2	92	0.00	7.28
12		Benzene	1.610	1.714	-6.5	91	0.00	7.65
13	S	1,2-Dichloroethane-d4	0.338	0.335	0.9	89	0.00	7.78
14		1,2-Dichloroethane	0.577	0.617	-6.9	90	0.00	7.85
15		Trichloroethene	0.466	0.546	-17.2	99	0.00	8.21
16		1,2-Dichloropropane	0.404	0.437	-8.2	92	0.00	8.74
			Amount	Calc.	%Drift			
17		cis-1,3-Dichloropropene	10.000	8.843	11.6	76	0.00	9.39
			AvgRF	CCRF	%Dev			
18	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	11.12
19	S	Toluene-d8	1.209	1.048	13.3	83	0.00	9.58
			Amount	Calc.	%Drift			
20		trans-1,3-Dichloropropene	10.000	8.281	17.2	79	0.00	10.02
			AvgRF	CCRF	%Dev			
21		Tetrachloroethene	0.602	0.671	-11.5	103	0.00	10.02
22		1,4-Dichlorobenzene	1.296	1.435	-10.7	102	0.00	13.41
23		1,2-Dibromo-3-Chloropropa	0.105	0.086	18.1	78	0.00	14.64

Continuing Calibration Summary

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ2590-ECC2586
Lab FileID: Z65862.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z65742.D SIMCL-09-07-2021.M Sat Sep 11 08:45:12 2021

Run Sequence Report

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2586 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2586-BFB	Z65736.D	09/07/21 08:35	n/a	BFB Tune
VZ2586-IC2586	Z65738.D	09/07/21 10:06	n/a	Initial cal 1
VZ2586-IC2586	Z65739.D	09/07/21 10:26	n/a	Initial cal 2
VZ2586-IC2586	Z65740.D	09/07/21 10:46	n/a	Initial cal 3
VZ2586-IC2586	Z65741.D	09/07/21 11:07	n/a	Initial cal 4
VZ2586-ICC2586	Z65742.D	09/07/21 11:27	n/a	Initial cal 5
VZ2586-IC2586	Z65743.D	09/07/21 11:47	n/a	Initial cal 6
VZ2586-IC2586	Z65744.D	09/07/21 12:08	n/a	Initial cal 7
VZ2586-ICV2586	Z65746.D	09/07/21 12:48	n/a	Initial cal verification 5
VZ2586-BS	Z65749.D	09/07/21 14:21	n/a	Blank Spike
VZ2586-MB	Z65750.D	09/07/21 14:41	n/a	Method Blank
ZZZZZZ	Z65751.D	09/07/21 15:05	n/a	(unrelated sample)
ZZZZZZ	Z65752.D	09/07/21 15:26	n/a	(unrelated sample)
ZZZZZZ	Z65753.D	09/07/21 15:46	n/a	(unrelated sample)
ZZZZZZ	Z65754.D	09/07/21 16:07	n/a	(unrelated sample)
FA88619-2	Z65755.D	09/07/21 16:27	n/a	(used for QC only; not part of job FA88606)
ZZZZZZ	Z65756.D	09/07/21 16:48	n/a	(unrelated sample)
ZZZZZZ	Z65757.D	09/07/21 17:08	n/a	(unrelated sample)
ZZZZZZ	Z65758.D	09/07/21 17:29	n/a	(unrelated sample)
ZZZZZZ	Z65759.D	09/07/21 17:49	n/a	(unrelated sample)
ZZZZZZ	Z65760.D	09/07/21 18:09	n/a	(unrelated sample)
ZZZZZZ	Z65761.D	09/07/21 18:30	n/a	(unrelated sample)
ZZZZZZ	Z65762.D	09/07/21 18:50	n/a	(unrelated sample)
ZZZZZZ	Z65763.D	09/07/21 19:11	n/a	(unrelated sample)
ZZZZZZ	Z65764.D	09/07/21 19:31	n/a	(unrelated sample)
FA88619-2MS	Z65765.D	09/07/21 19:52	n/a	Matrix Spike
FA88619-2MSD	Z65766.D	09/07/21 20:12	n/a	Matrix Spike Duplicate
VZ2586-ECC2586	Z65767.D	09/07/21 20:32	n/a	Ending cal 5

Run Sequence Report

Job Number: FA88606
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ2590 **Method:** SW846 8260B BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ2590-BFB	Z65836.D	09/10/21 14:28	n/a	BFB Tune
VZ2590-CC2586	Z65837.D	09/10/21 14:48	n/a	Continuing cal 5
VZ2590-BS	Z65838.D	09/10/21 15:09	n/a	Blank Spike
VZ2590-MB	Z65839.D	09/10/21 15:29	n/a	Method Blank
ZZZZZZ	Z65840.D	09/10/21 15:51	n/a	(unrelated sample)
FA88606-1	Z65841.D	09/10/21 16:11	n/a	2135XOU2154A
FA88606-2	Z65842.D	09/10/21 16:31	n/a	2135XOU2155F
FA88606-3	Z65843.D	09/10/21 16:52	n/a	2135X0BW156F
FA88606-4	Z65844.D	09/10/21 17:12	n/a	2135XOU2157F
FA88606-5	Z65845.D	09/10/21 17:33	n/a	2135XOU2158F
FA88606-6	Z65846.D	09/10/21 17:53	n/a	2135X0BW159F
FA88606-7	Z65847.D	09/10/21 18:13	n/a	2135X0BW160D
FA88606-8	Z65848.D	09/10/21 18:34	n/a	2135X0BW161F
FA88606-9	Z65849.D	09/10/21 18:54	n/a	2135X0BW162D
FA88606-10	Z65850.D	09/10/21 19:14	n/a	2135X00B163F
FA88606-11	Z65851.D	09/10/21 19:35	n/a	2135X0BW164F
FA88606-12	Z65852.D	09/10/21 19:55	n/a	2135X0BW165C
FA88606-13	Z65853.D	09/10/21 20:15	n/a	2135X0BW166F
FA88606-14	Z65854.D	09/10/21 20:36	n/a	2135X0BW167F
FA88606-15	Z65855.D	09/10/21 20:56	n/a	2135W0BW213F
FA88606-16	Z65856.D	09/10/21 21:16	n/a	2135W0BW214D
FA88606-17	Z65857.D	09/10/21 21:36	n/a	2135W0BW211A
FA88606-18	Z65858.D	09/10/21 21:57	n/a	2135W0BW215F
FA88606-19	Z65859.D	09/10/21 22:17	n/a	2135W0BW219C
FA88606-3MS	Z65860.D	09/10/21 22:37	n/a	Matrix Spike
FA88606-3MSD	Z65861.D	09/10/21 22:57	n/a	Matrix Spike Duplicate
VZ2590-ECC2586	Z65862.D	09/10/21 23:18	n/a	Ending cal 5

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65841.D
Acq On : 10 Sep 2021 4:11 pm
Operator : CHARLENG
Sample : FA88606-1
Misc : MS49711,VZ2590,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 08:35:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

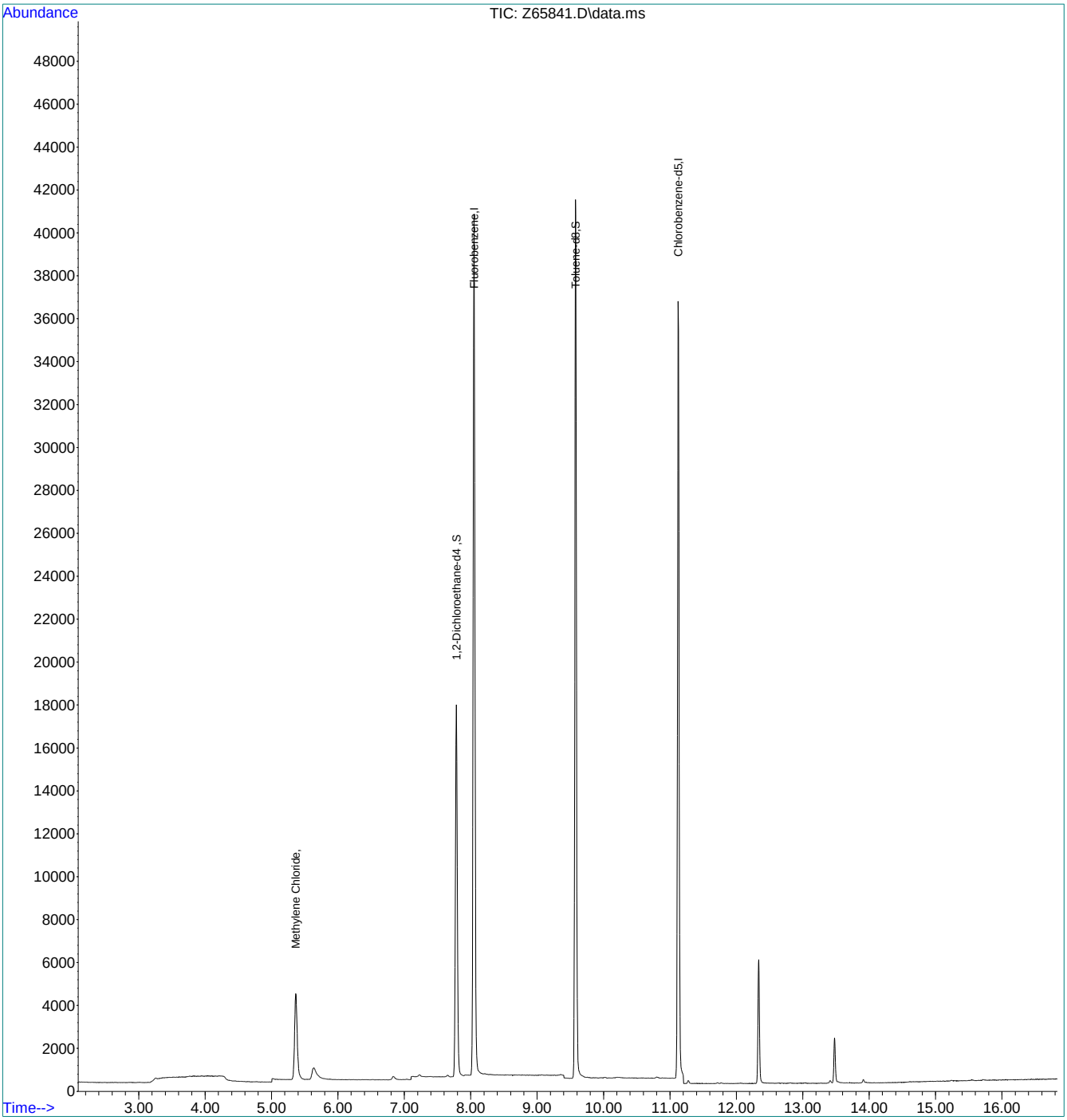
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	48541	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37416	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	16785	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	9.576	98	41789	4.62	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	3807	0.52	ug/L	# 62

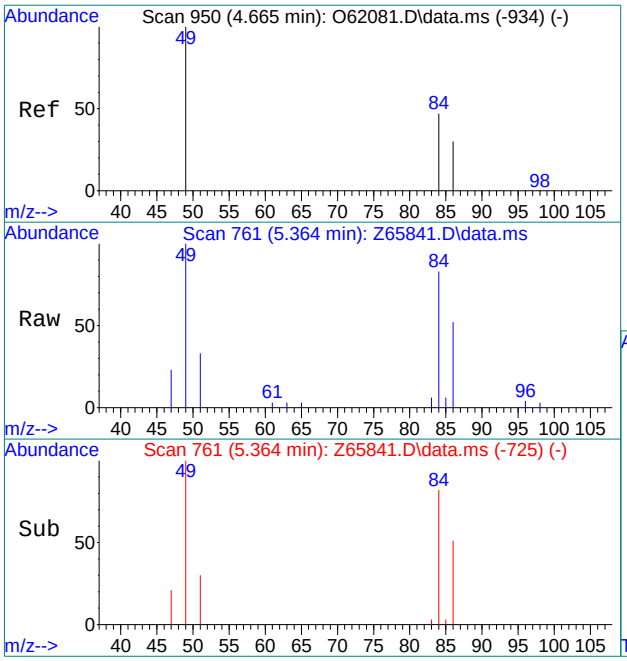
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65841.D
Acq On : 10 Sep 2021 4:11 pm
Operator : CHARLENG
Sample : FA88606-1
Misc : MS49711,VZ2590,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 08:35:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

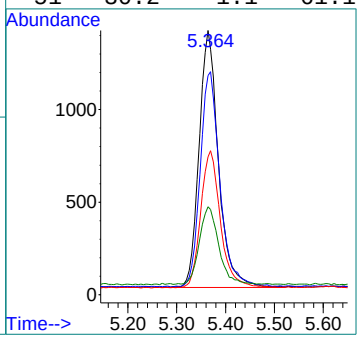




#5
Methylene Chloride
Concen: 0.52 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65841.D
Acq: 10 Sep 2021 4:11 pm

Tgt Ion: 49 Resp: 3807

Ion	Ratio	Lower	Upper
49	100		
84	82.1	13.9	73.9#
86	50.9	0.0	58.0
51	30.2	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65842.D
Acq On : 10 Sep 2021 4:31 pm
Operator : CHARLENG
Sample : FA88606-2
Misc : MS49711,VZ2590,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 08:35:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

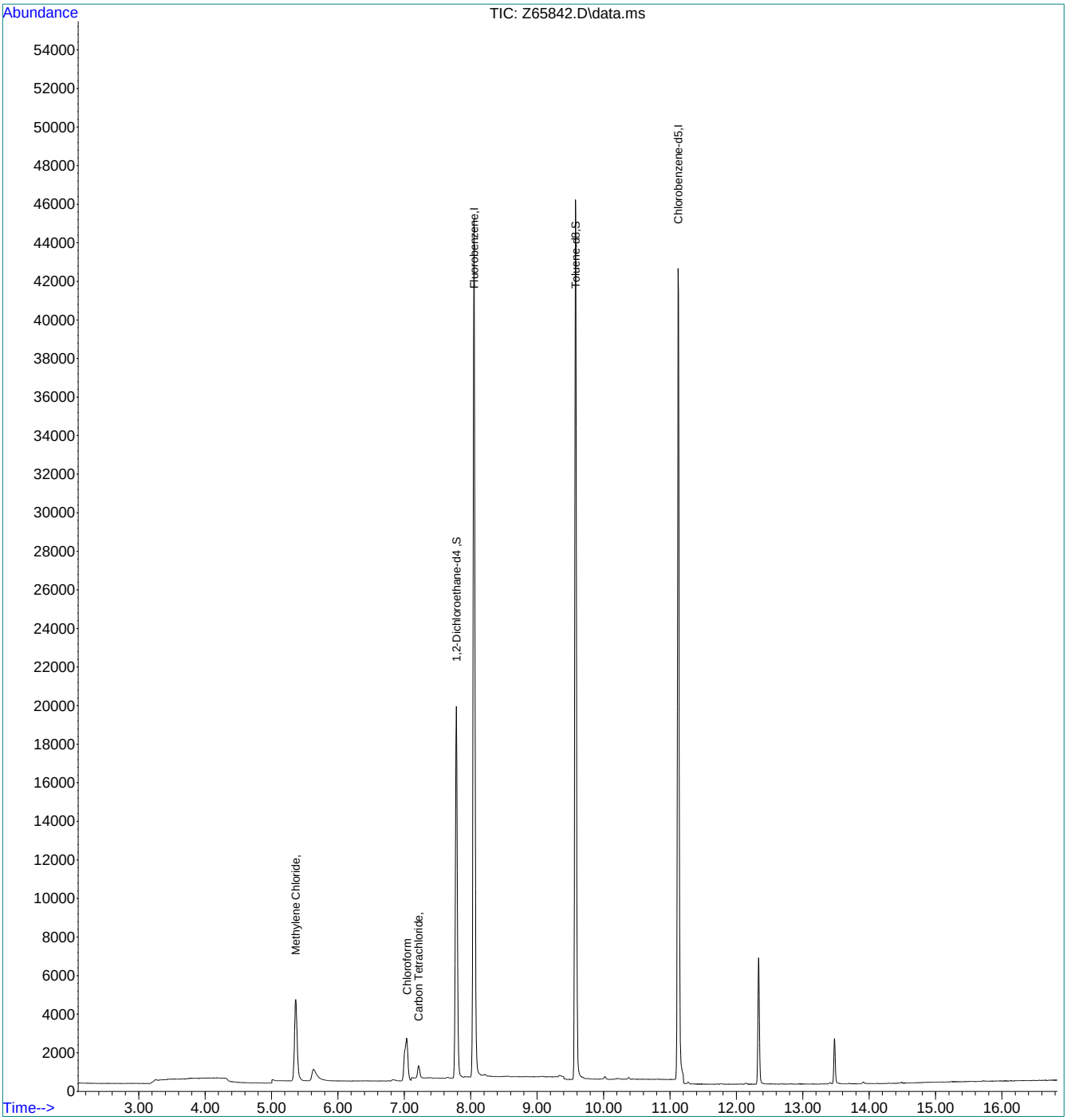
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	54799	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42413	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18809	5.08	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 101.60%			
19) Toluene-d8	9.576	98	46690	4.55	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4075	0.49	ug/L	# 60
9) Chloroform	7.039	83	2139m	0.22	ug/L	
10) Carbon Tetrachloride	7.213	117	529	0.08	ug/L	# 88

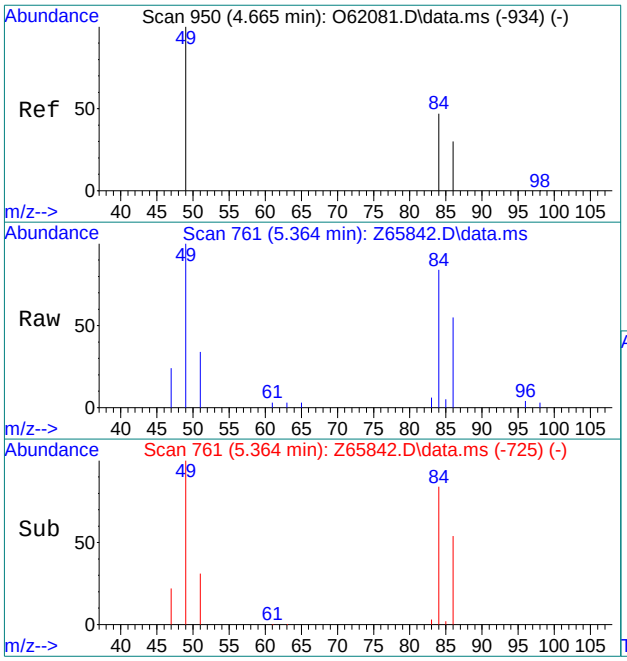
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65842.D
Acq On : 10 Sep 2021 4:31 pm
Operator : CHARLENG
Sample : FA88606-2
Misc : MS49711,VZ2590,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 08:35:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

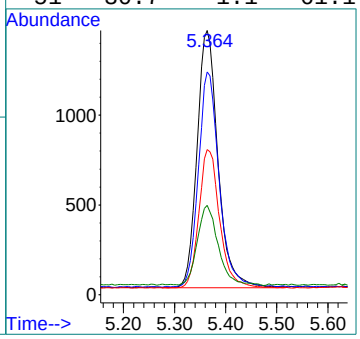


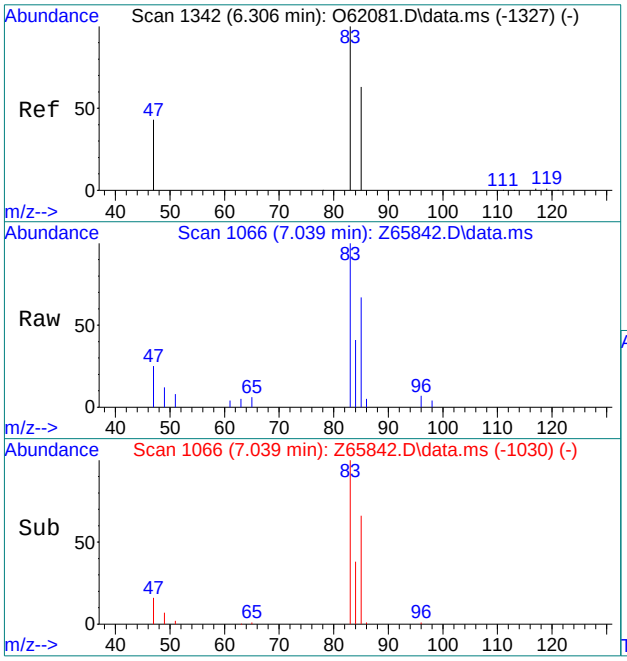


#5
Methylene Chloride
Concen: 0.49 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65842.D
Acq: 10 Sep 2021 4:31 pm

Tgt Ion: 49 Resp: 4075

Ion	Ratio	Lower	Upper
49	100		
84	83.7	13.9	73.9#
86	53.7	0.0	58.0
51	30.7	1.1	61.1

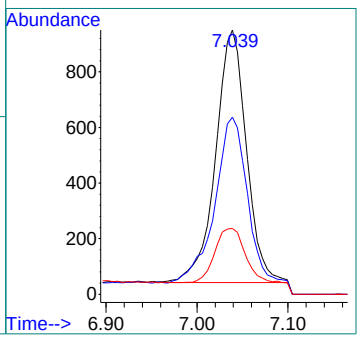


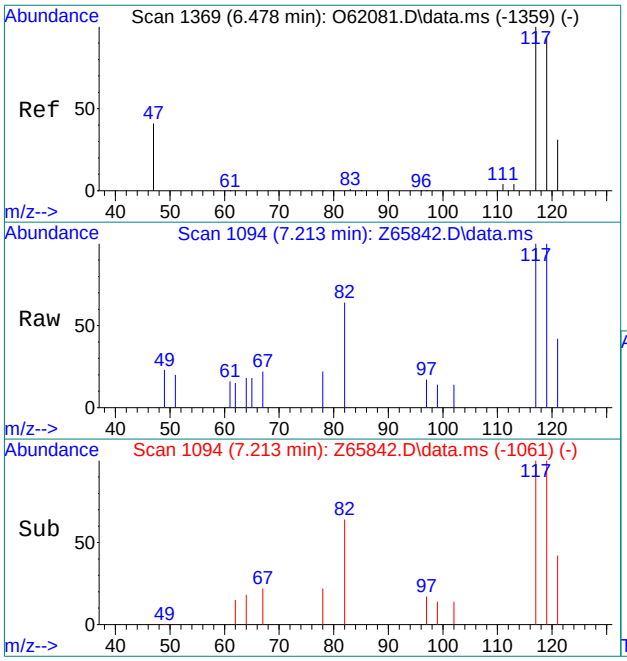


#9
Chloroform
Concen: 0.22 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65842.D
Acq: 10 Sep 2021 4:31 pm

Tgt Ion: 83 Resp: 2139

Ion	Ratio	Lower	Upper
83	100		
85	67.0	34.3	94.3
47	24.9	13.3	73.3

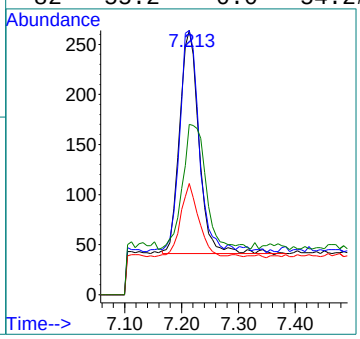




#10
Carbon Tetrachloride
Concen: 0.08 ug/L
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65842.D
Acq: 10 Sep 2021 4:31 pm

Tgt Ion:117 Resp: 529

Ion	Ratio	Lower	Upper
117	100		
119	98.2	64.8	124.8
121	31.8	1.6	61.6
82	55.2	0.0	54.2#



Manual Integration Approval Summary

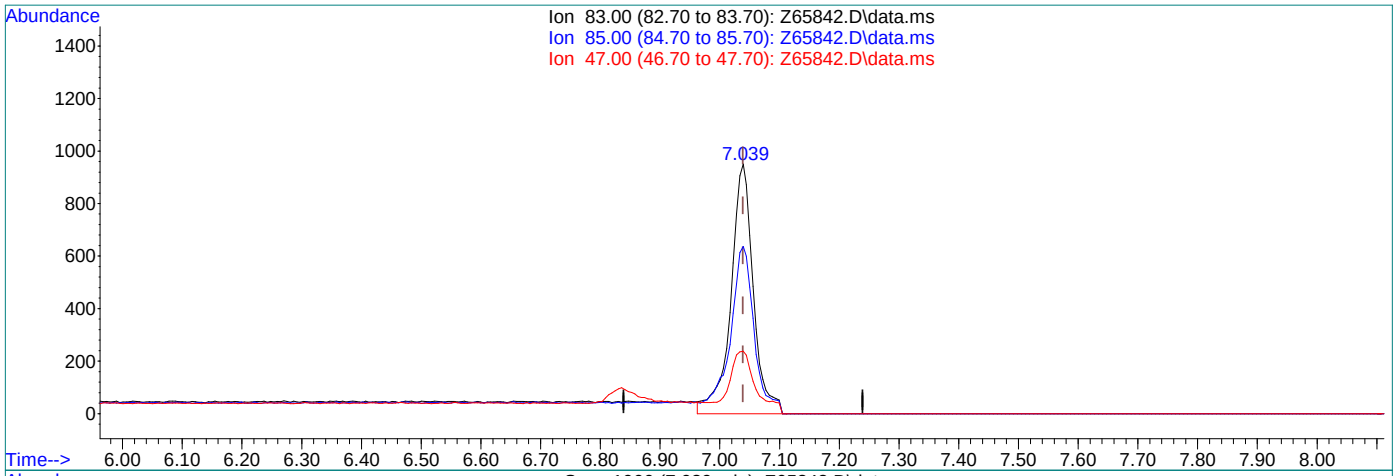
Sample Number: FA88606-2
Lab FileID: Z65842.D
Injection Time: 09/10/21 16:31
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/13/21 10:27 Chelsea VanDenBurg

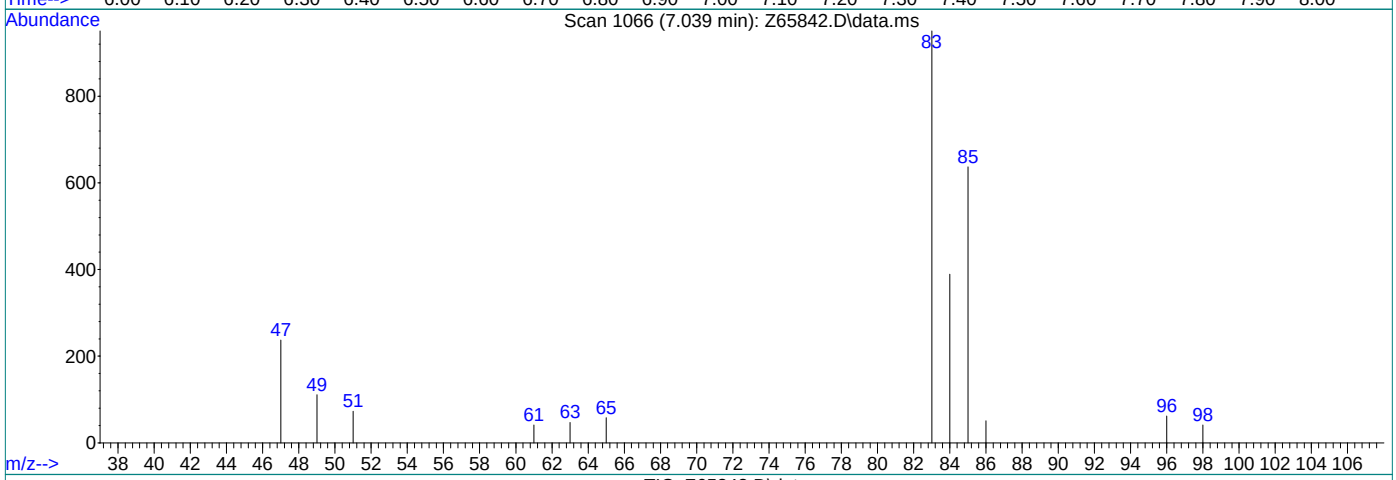
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65842.D
Acq On : 10 Sep 2021 4:31 pm
Operator : CHARLENG
Sample : FA88606-2
Misc : MS49709,VZ2590,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 08:24:55 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65842.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.26ug/L

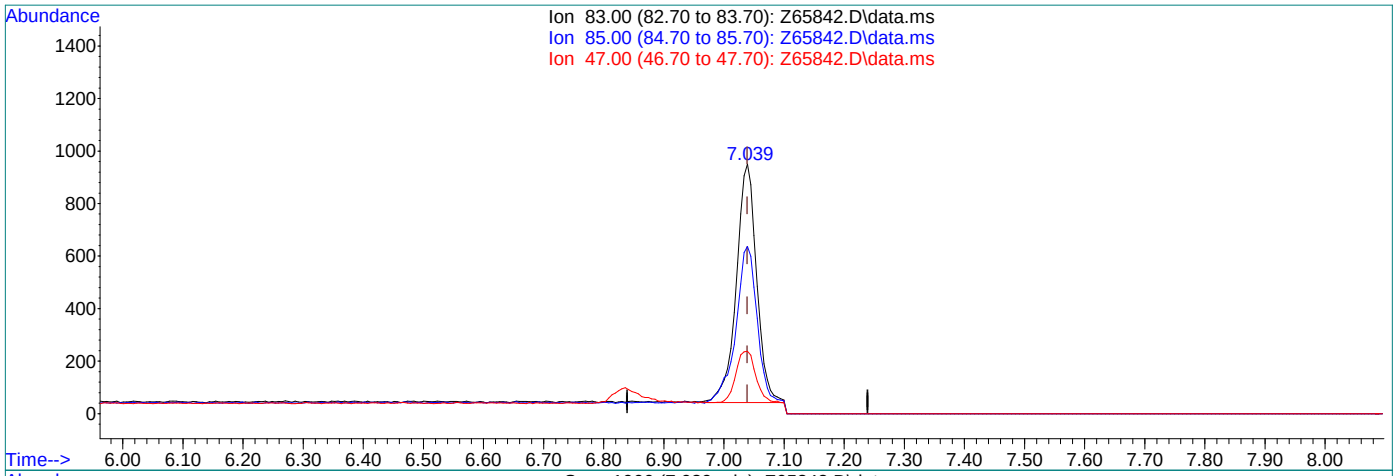
response 2506

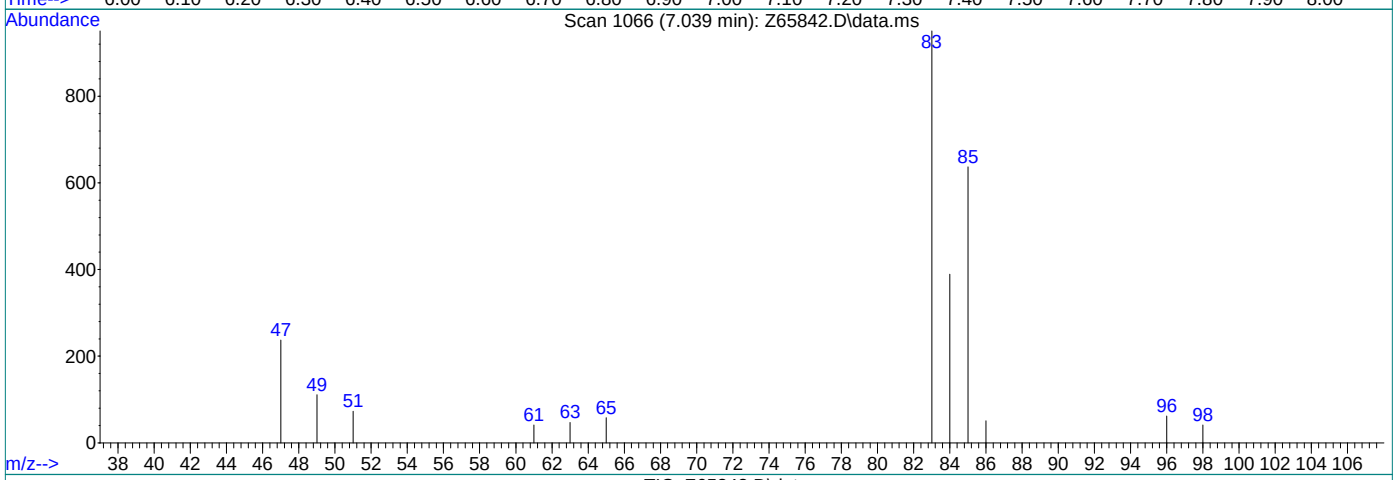
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.98
47.00	43.30	24.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65842.D
Acq On : 10 Sep 2021 4:31 pm
Operator : CHARLENG
Sample : FA88606-2
Misc : MS49709,VZ2590,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 08:24:55 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65842.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.22ug/L m

response 2139

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	66.98
47.00	43.30	24.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49711,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:35:46 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

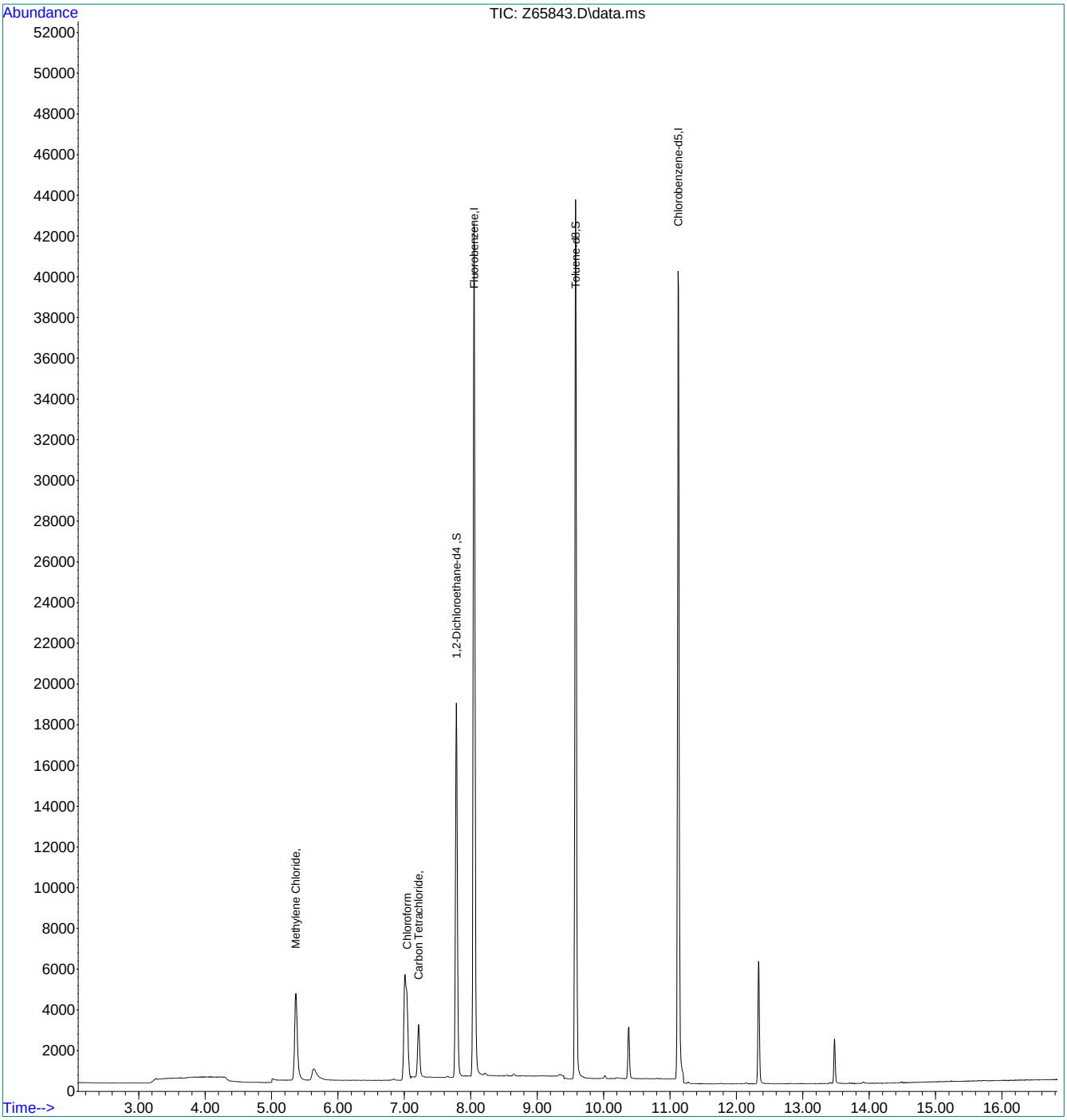
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51505	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39881	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17802	5.12	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.40%			
19) Toluene-d8	9.576	98	44068	4.57	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4207	0.54	ug/L	# 61
9) Chloroform	7.039	83	3682m	0.41	ug/L	
10) Carbon Tetrachloride	7.213	117	2204m	0.37	ug/L	

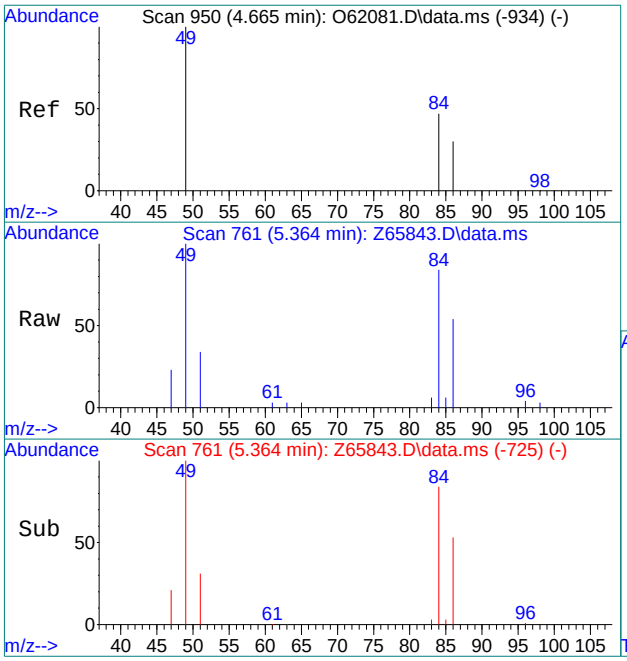
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49711,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:35:46 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

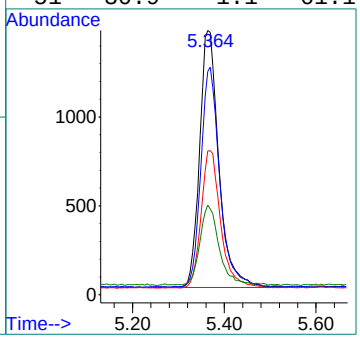


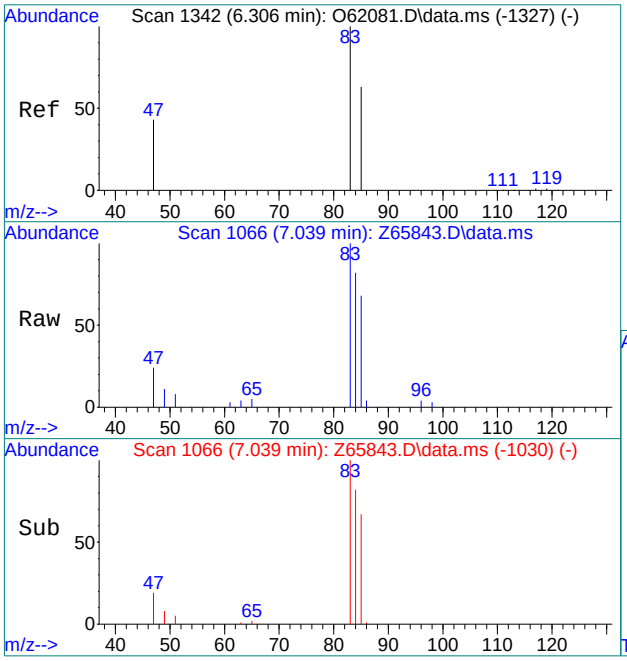


#5
Methylene Chloride
Concen: 0.54 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65843.D
Acq: 10 Sep 2021 4:52 pm

Tgt Ion: 49 Resp: 4207

Ion	Ratio	Lower	Upper
49	100		
84	83.8	13.9	73.9#
86	53.2	0.0	58.0
51	30.9	1.1	61.1

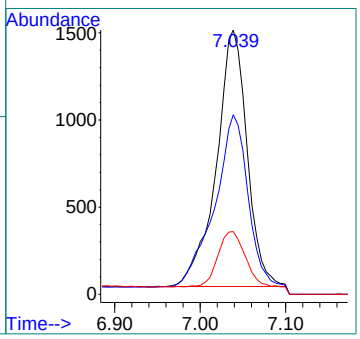


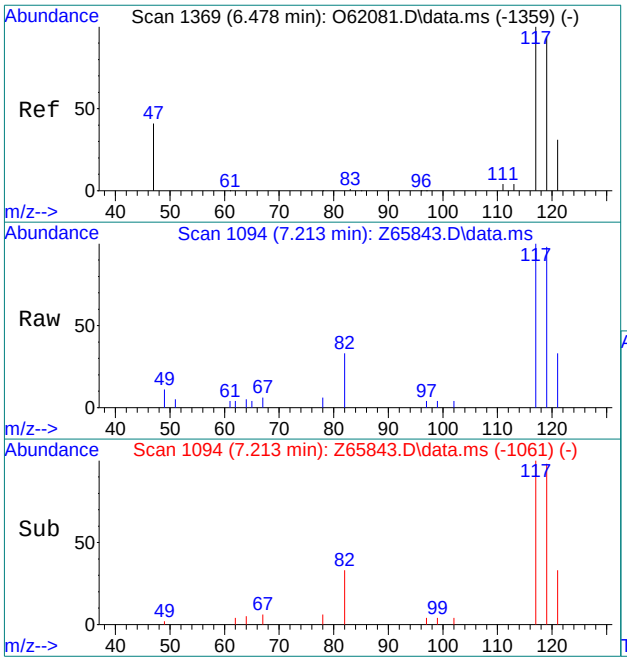


#9
Chloroform
Concen: 0.41 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65843.D
Acq: 10 Sep 2021 4:52 pm

Tgt Ion: 83 Resp: 3682

Ion	Ratio	Lower	Upper
83	100		
85	68.0	34.3	94.3
47	23.7	13.3	73.3

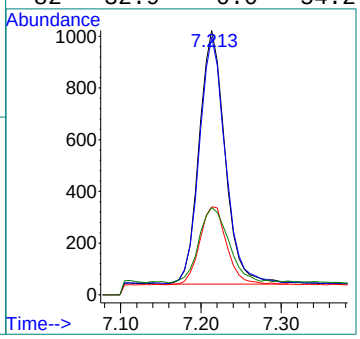




#10
Carbon Tetrachloride
Concen: 0.37 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65843.D
Acq: 10 Sep 2021 4:52 pm

Tgt Ion:117 Resp: 2204

Ion	Ratio	Lower	Upper
117	100		
119	97.6	64.8	124.8
121	33.2	1.6	61.6
82	32.9	0.0	54.2



7.1.3

7

Manual Integration Approval Summary

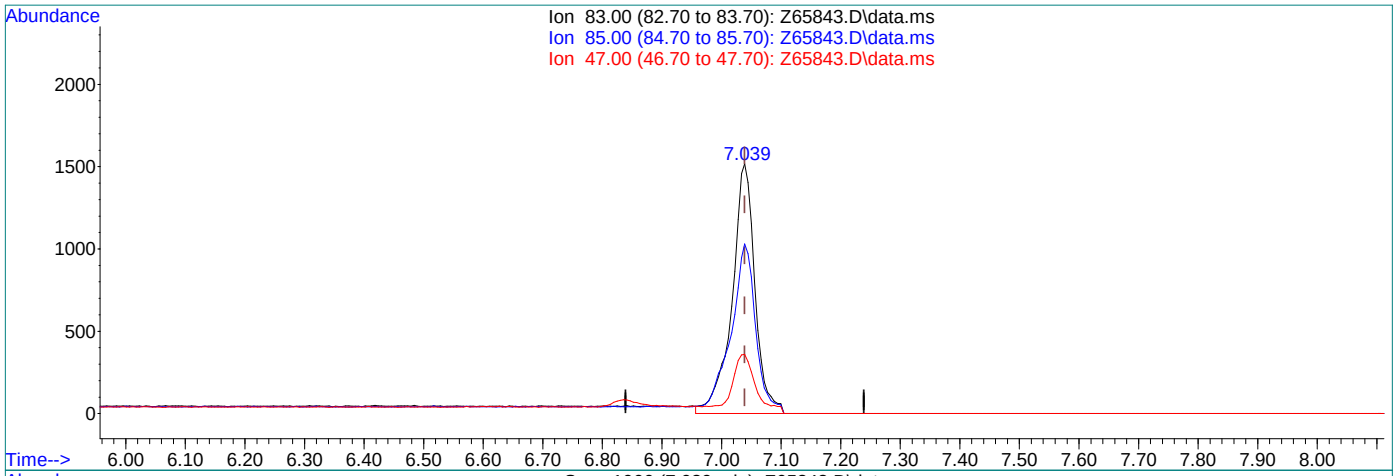
Sample Number: FA88606-3
Lab FileID: Z65843.D
Injection Time: 09/10/21 16:52
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/13/21 10:27 Chelsea VanDenBurg

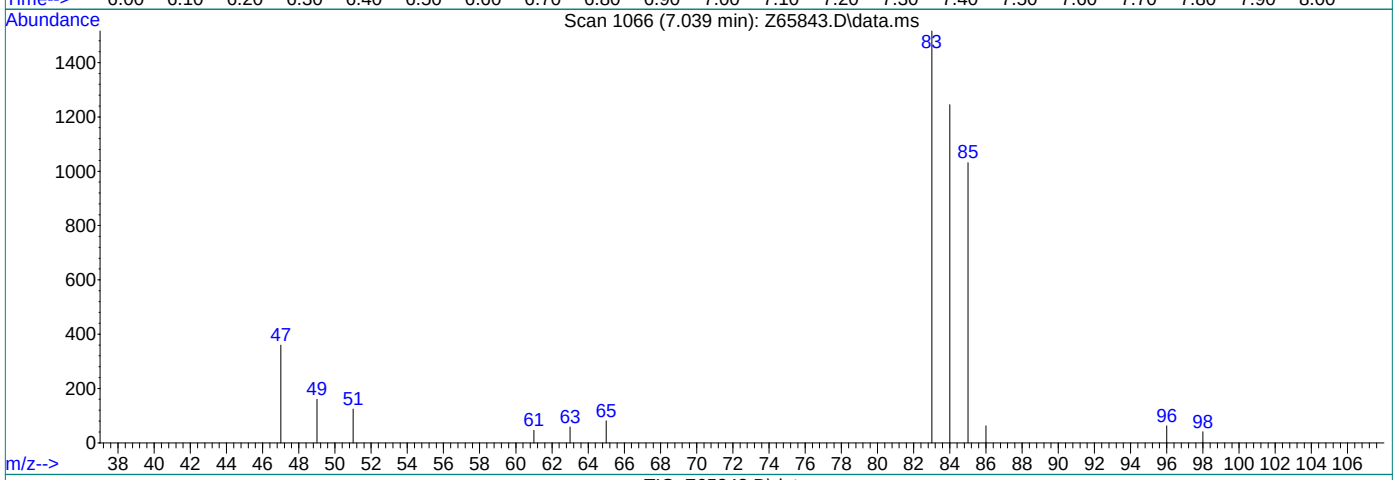
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49709,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:24:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65843.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.45ug/L

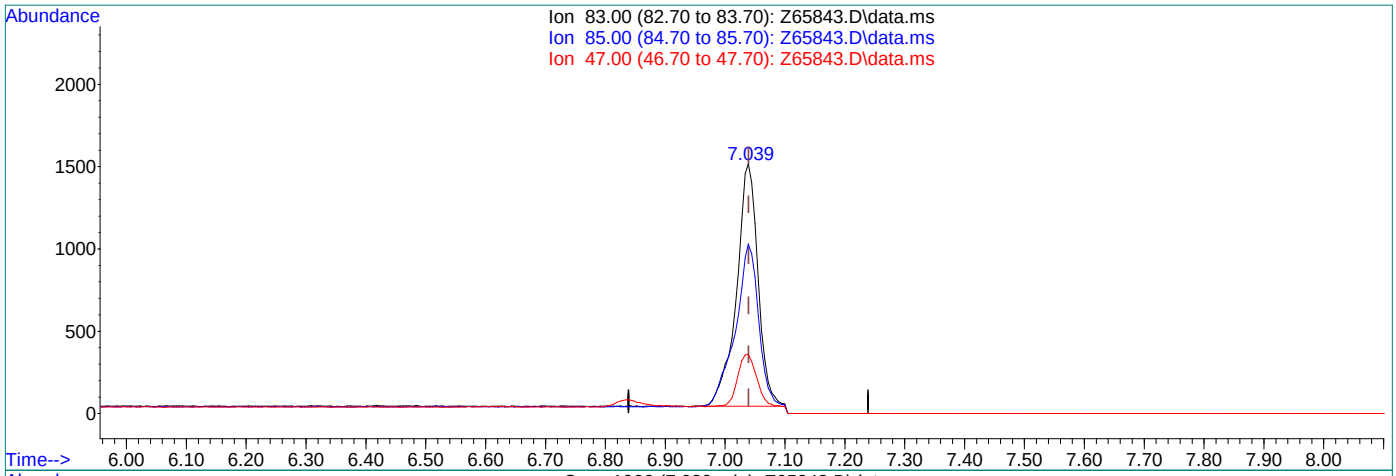
response 4102

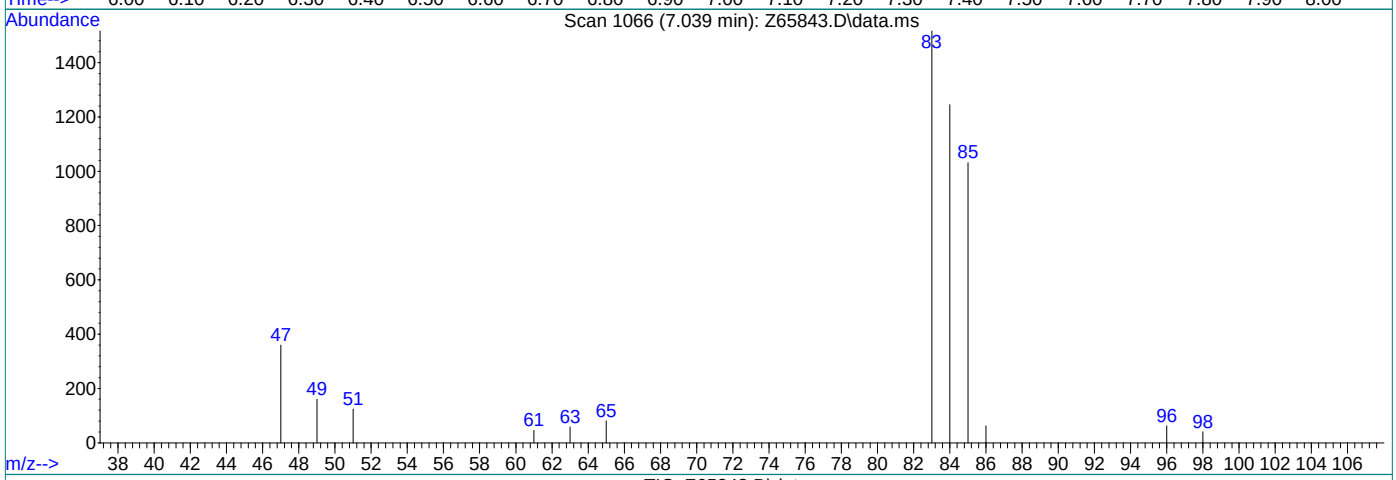
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.96
47.00	43.30	23.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49709,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:24:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65843.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.41ug/L m

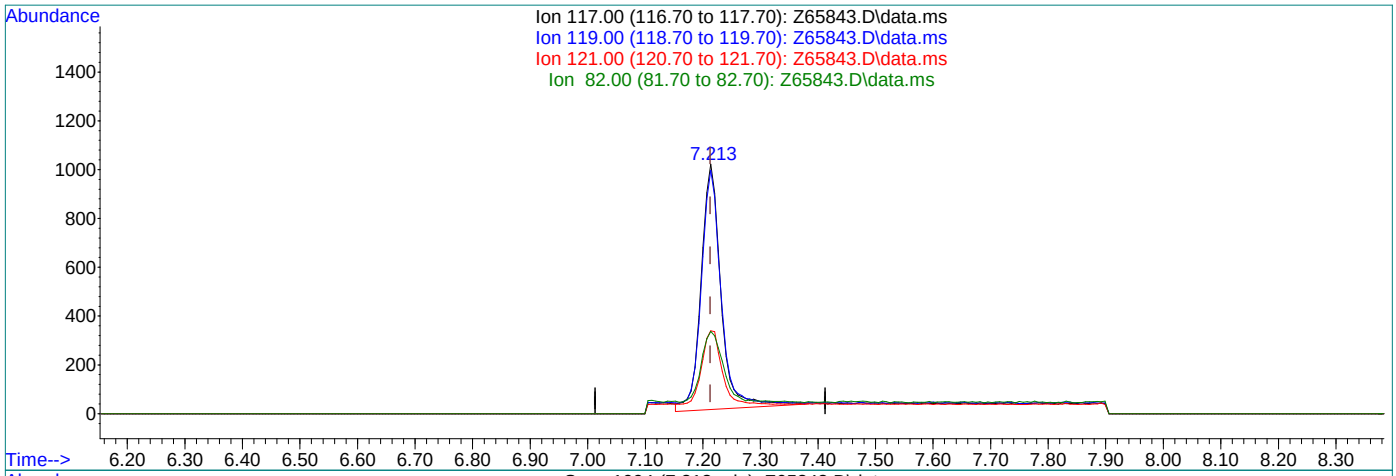
response 3682

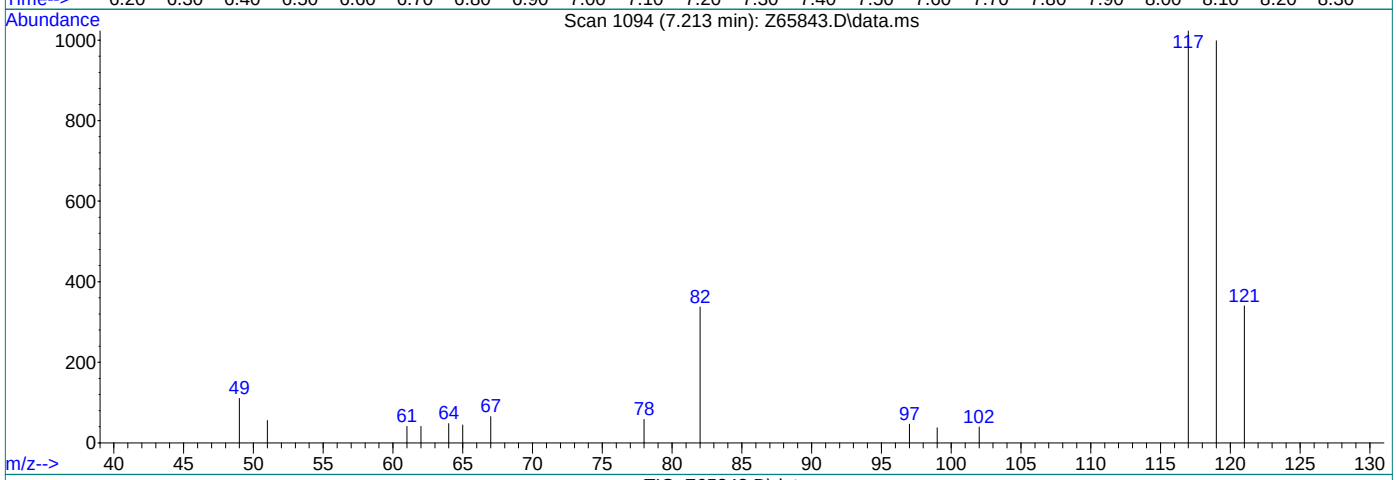
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.96
47.00	43.30	23.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49709,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:24:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65843.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.41ug/L

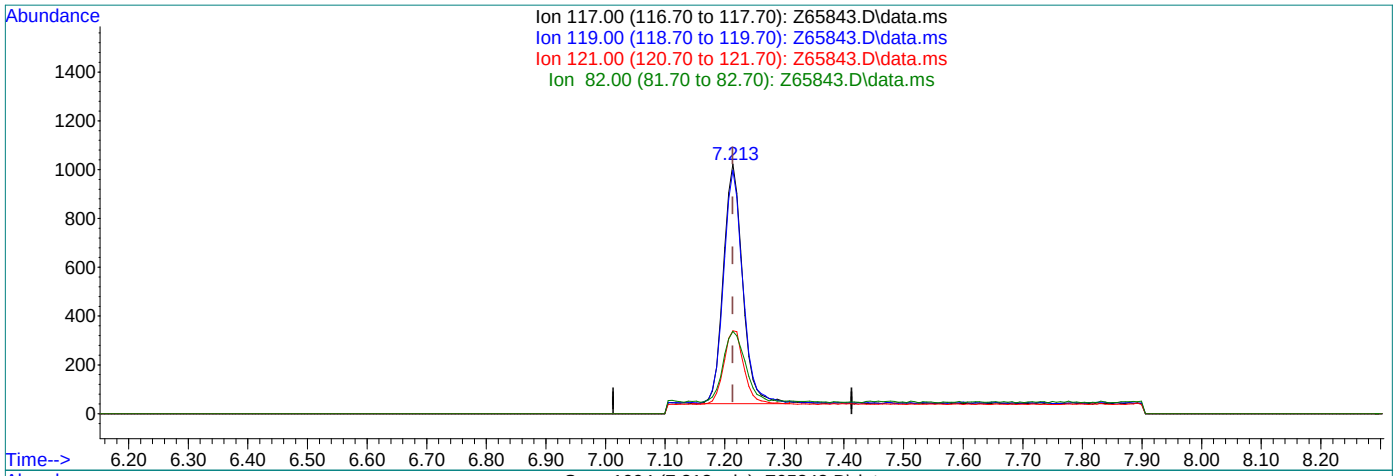
response 2449

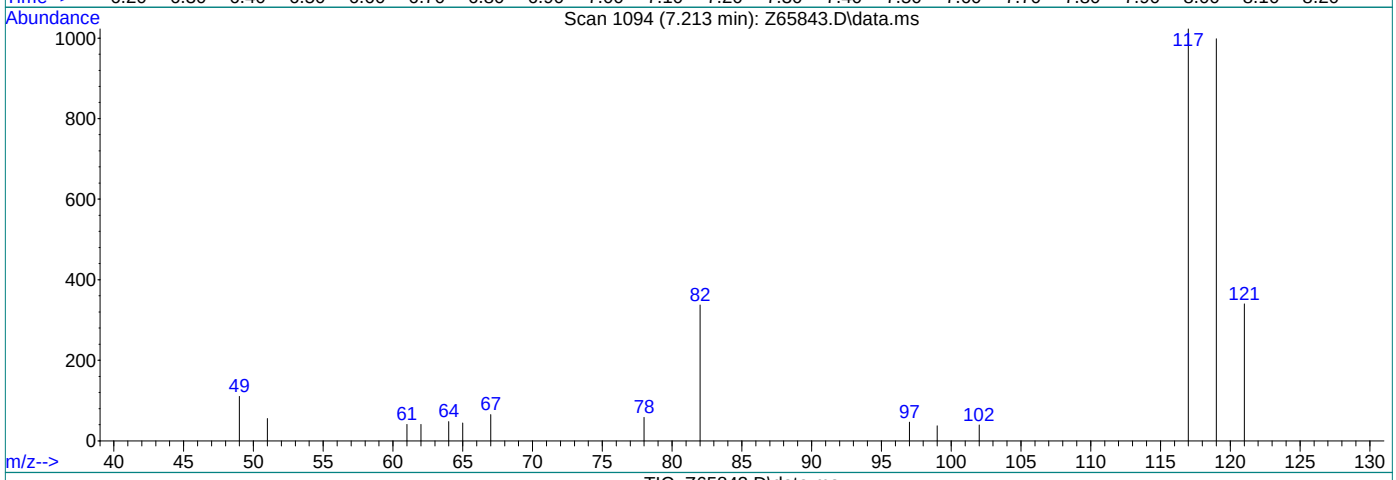
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	97.05
121.00	31.60	30.62
82.00	24.20	29.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65843.D
Acq On : 10 Sep 2021 4:52 pm
Operator : CHARLENG
Sample : FA88606-3
Misc : MS49709,VZ2590,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 08:24:57 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65843.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.37ug/L m

response 2204

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	97.56
121.00	31.60	33.24
82.00	24.20	32.94

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49711,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:36:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

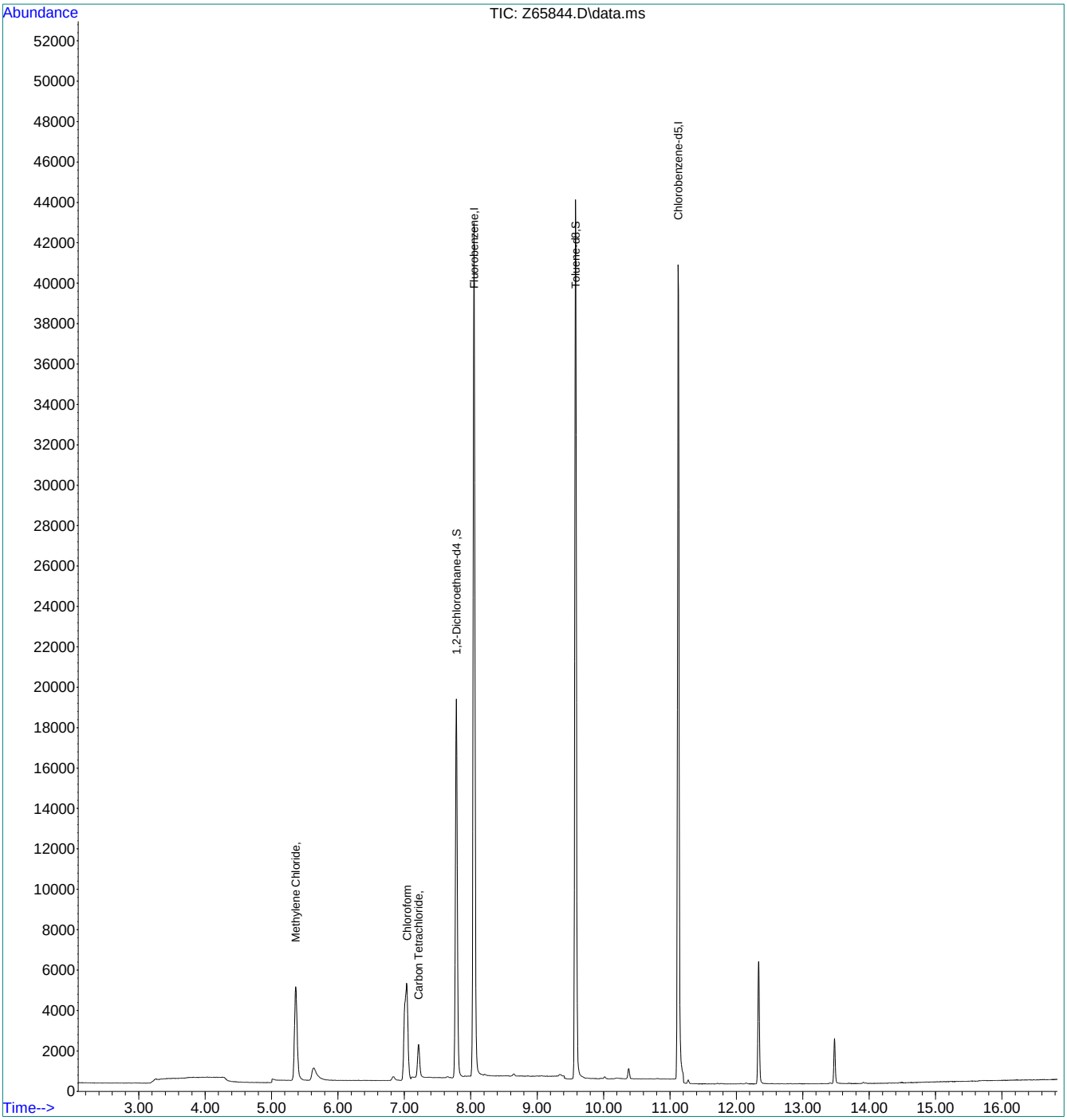
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51559	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40110	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	18124	5.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.00%			
19) Toluene-d8	9.577	98	44391	4.58	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4427	0.57	ug/L	# 58
9) Chloroform	7.039	83	4602m	0.51	ug/L	
10) Carbon Tetrachloride	7.213	117	1357m	0.22	ug/L	

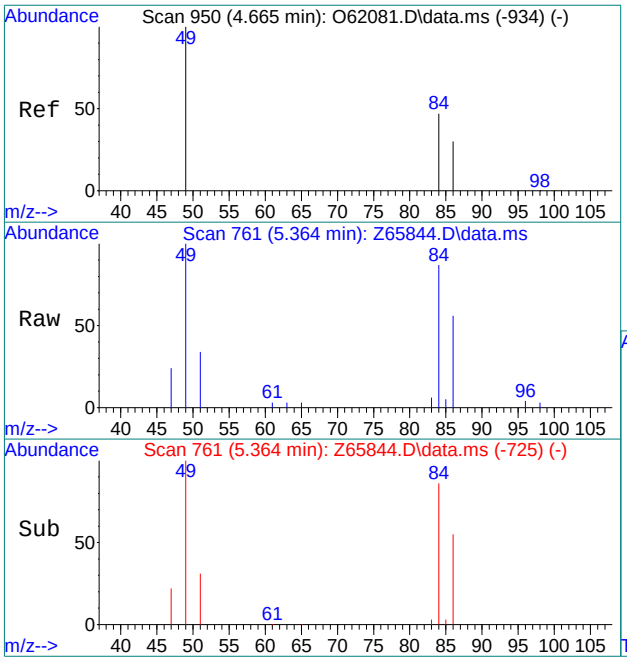
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49711,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:36:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

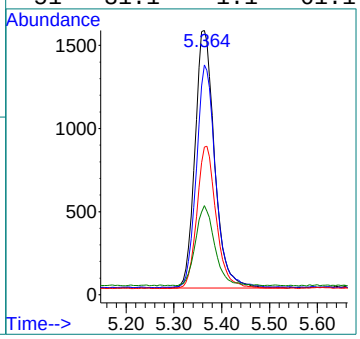


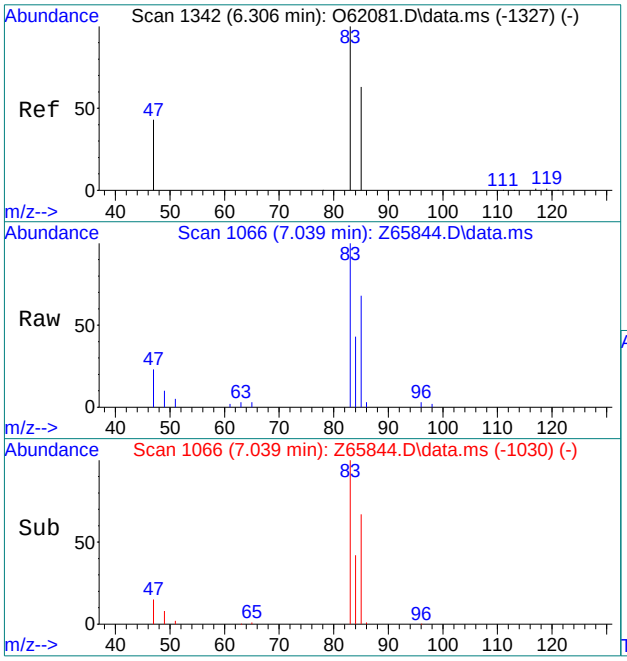


#5
Methylene Chloride
Concen: 0.57 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65844.D
Acq: 10 Sep 2021 5:12 pm

Tgt Ion: 49 Resp: 4427

Ion	Ratio	Lower	Upper
49	100		
84	86.2	13.9	73.9#
86	54.7	0.0	58.0
51	31.1	1.1	61.1

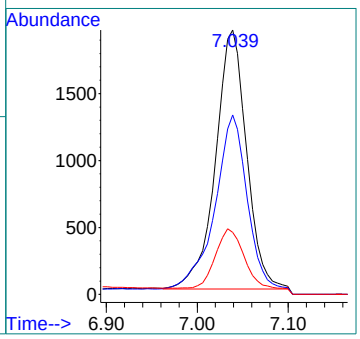


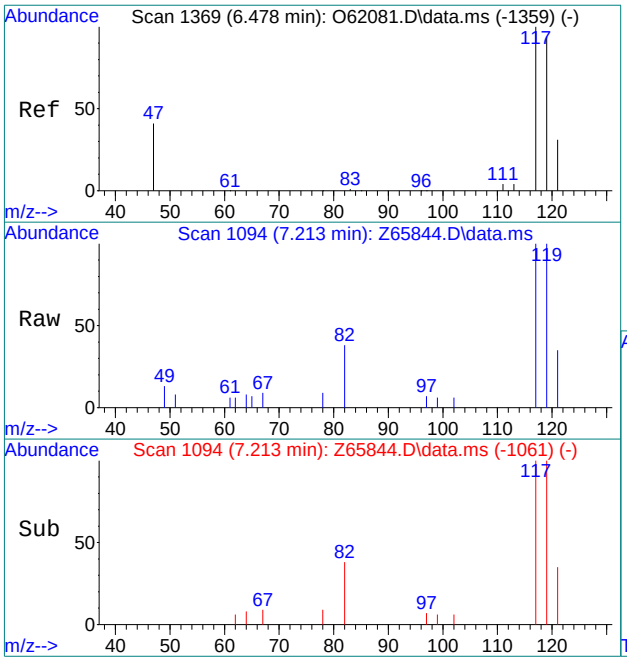


#9
Chloroform
Concen: 0.51 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65844.D
Acq: 10 Sep 2021 5:12 pm

Tgt Ion: 83 Resp: 4602

Ion	Ratio	Lower	Upper
83	100		
85	67.8	34.3	94.3
47	23.4	13.3	73.3

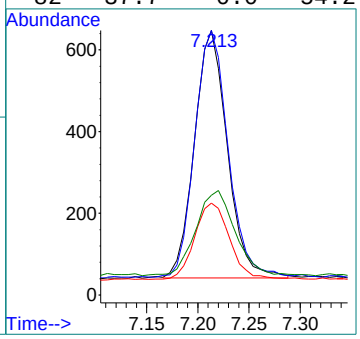




#10
Carbon Tetrachloride
Concen: 0.22 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65844.D
Acq: 10 Sep 2021 5:12 pm

Tgt Ion:117 Resp: 1357

Ion	Ratio	Lower	Upper
117	100		
119	100.0	64.8	124.8
121	34.7	1.6	61.6
82	37.7	0.0	54.2



7.1.4

7

Manual Integration Approval Summary

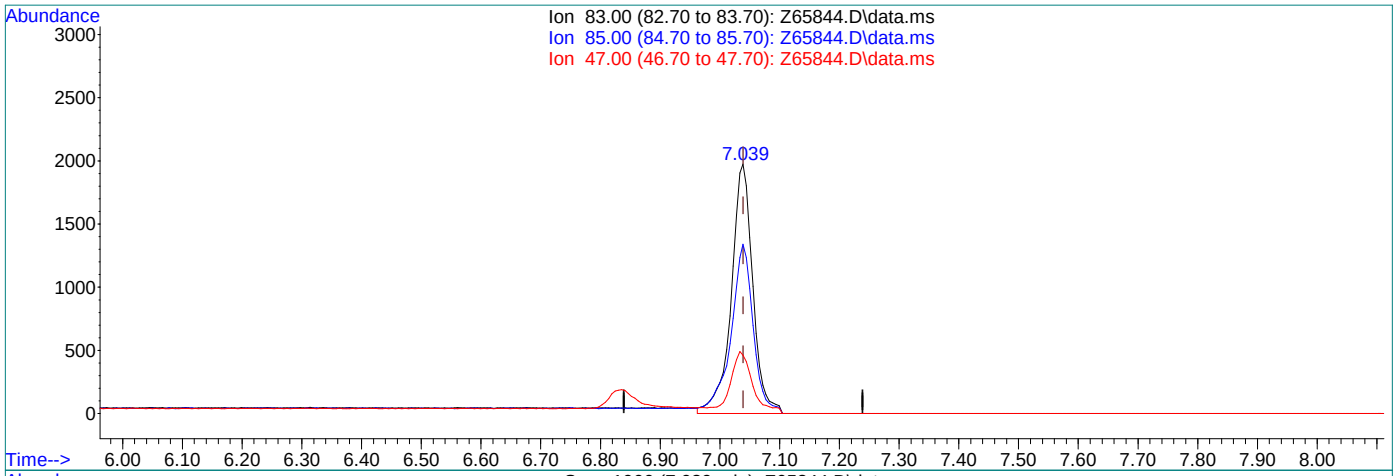
Sample Number: FA88606-4
Lab FileID: Z65844.D
Injection Time: 09/10/21 17:12
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

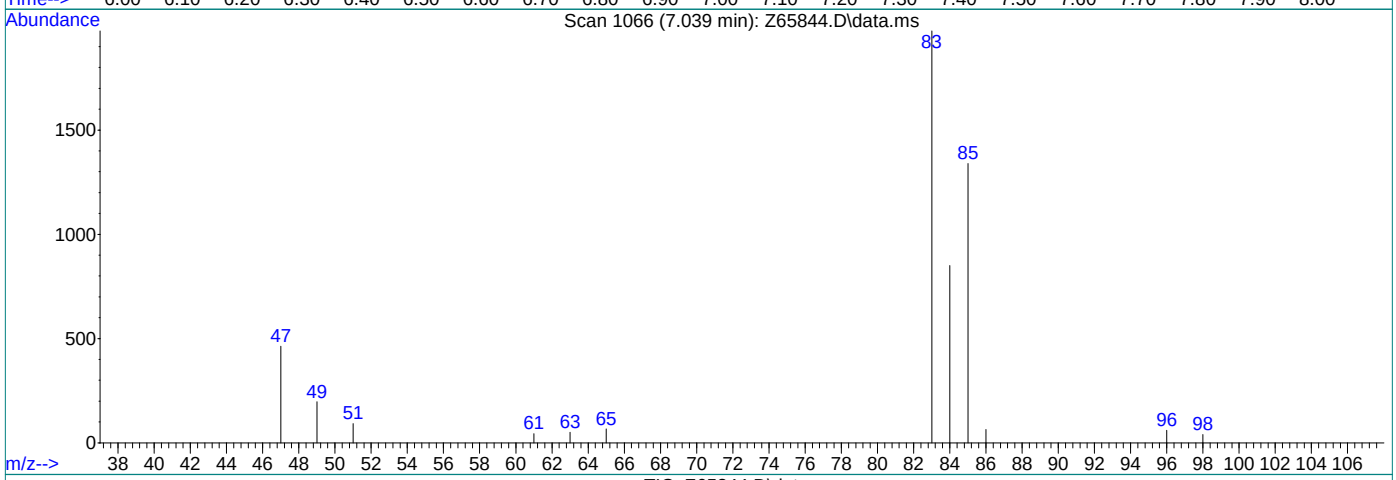
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49709,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:24:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65844.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.55ug/L

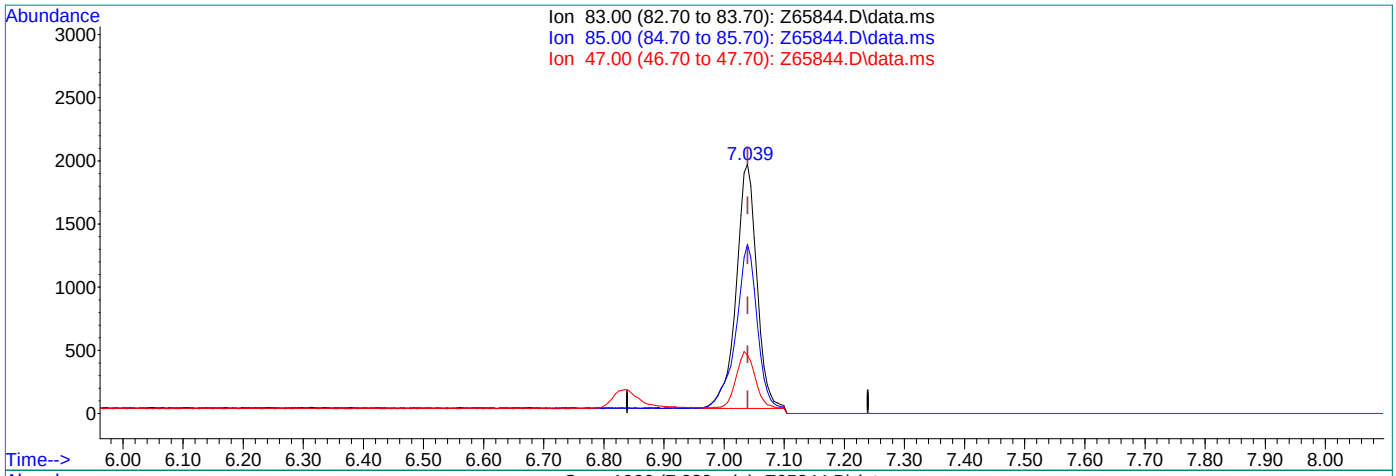
response 4983

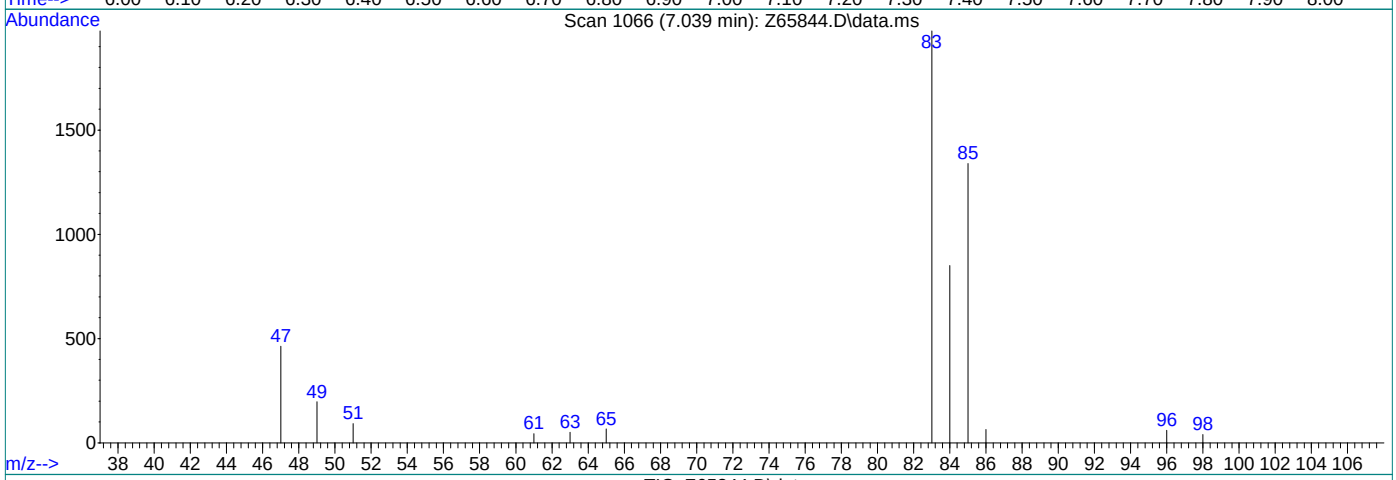
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.81
47.00	43.30	23.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49709,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:24:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65844.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.51ug/L m

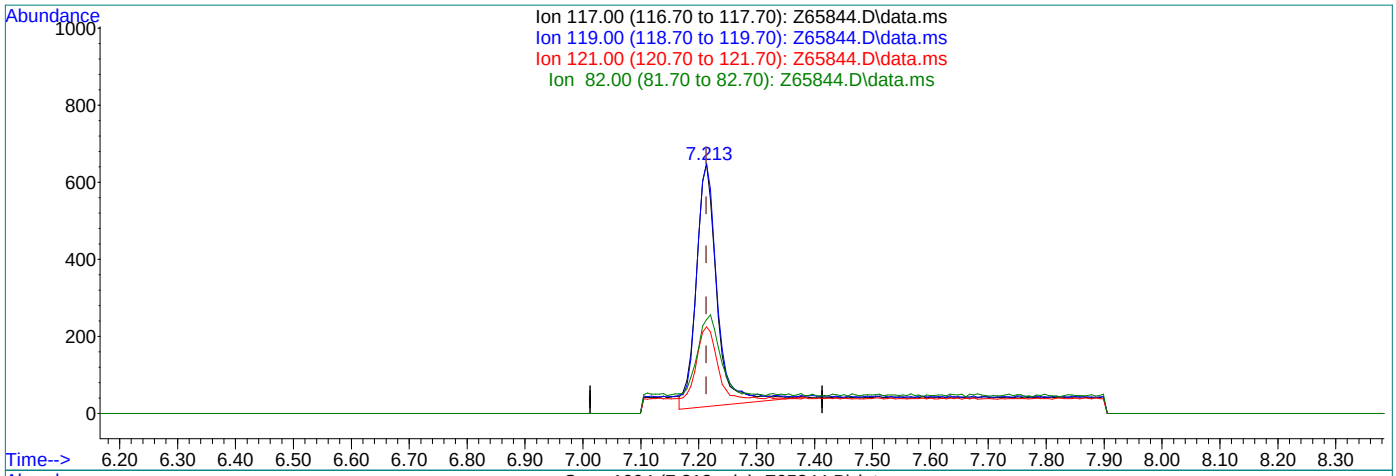
response 4602

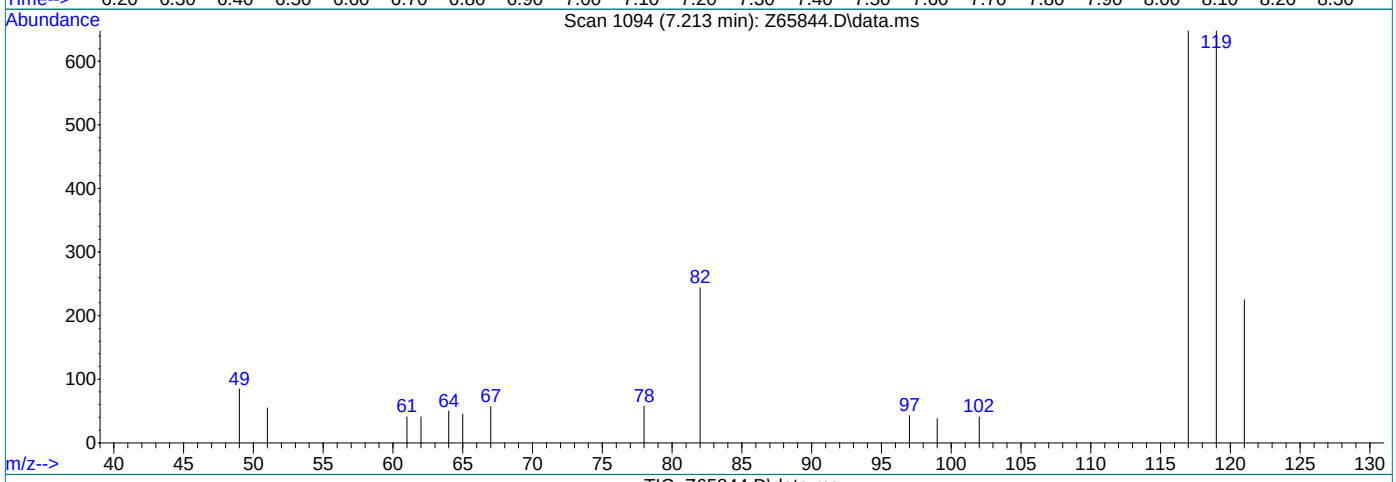
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.81
47.00	43.30	23.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49709,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:24:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65844.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.26ug/L

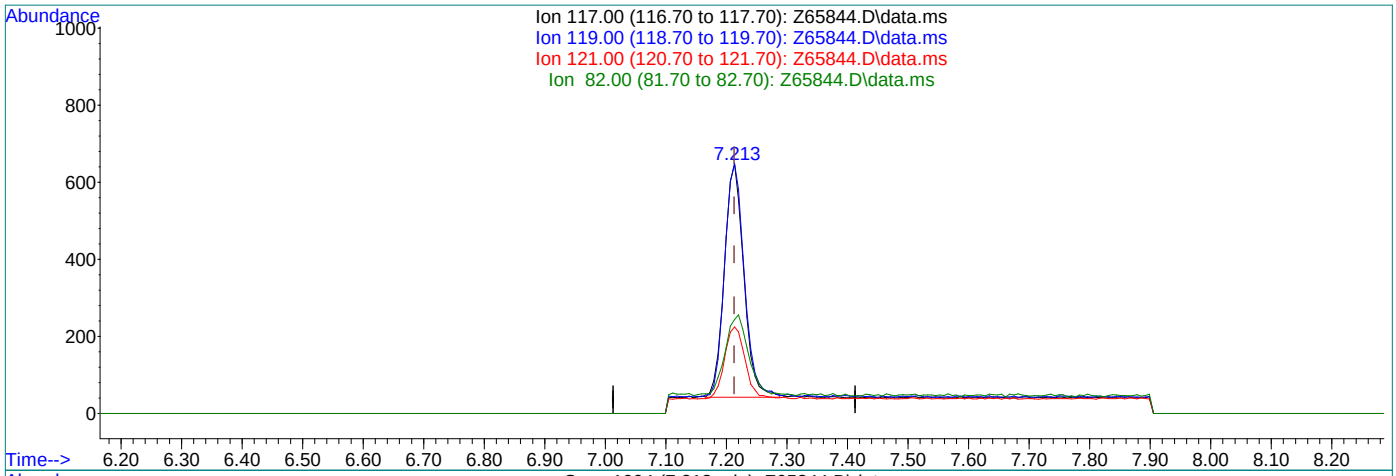
response 1562

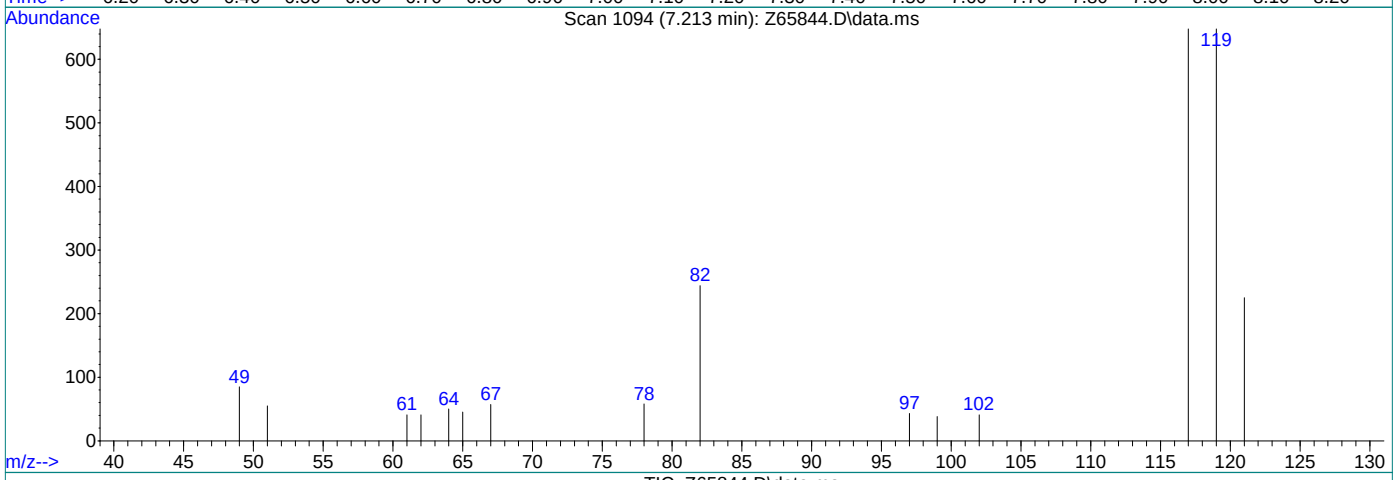
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	99.67
121.00	31.60	30.74
82.00	24.20	32.56

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65844.D
Acq On : 10 Sep 2021 5:12 pm
Operator : CHARLENG
Sample : FA88606-4
Misc : MS49709,VZ2590,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 08:24:59 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65844.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.22ug/L m

response 1357

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	100.00
121.00	31.60	34.72
82.00	24.20	37.65

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49711,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:37:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

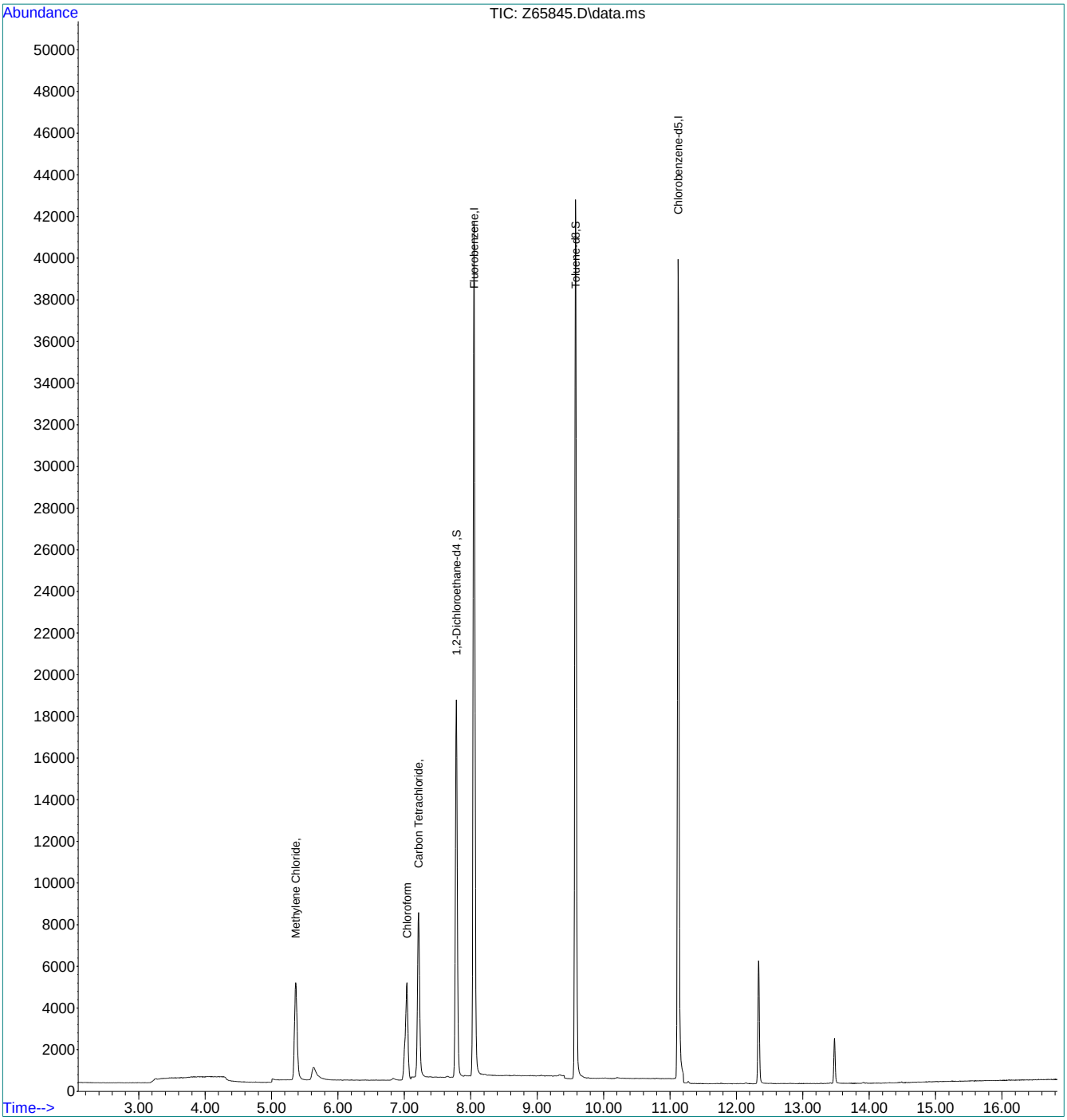
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	50087	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	38854	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17572	5.19	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.80%			
19) Toluene-d8	9.577	98	42886	4.56	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4407	0.58	ug/L	# 59
9) Chloroform	7.039	83	4729m	0.54	ug/L	
10) Carbon Tetrachloride	7.213	117	6708m	1.14	ug/L	

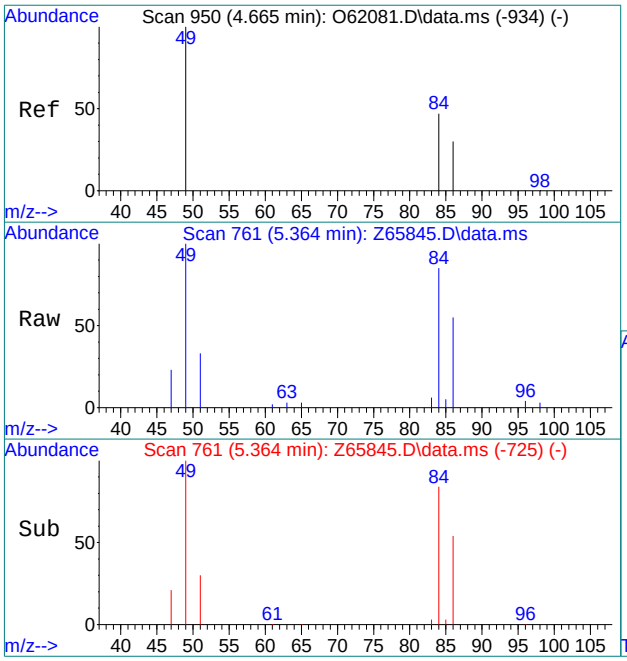
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49711,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:37:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

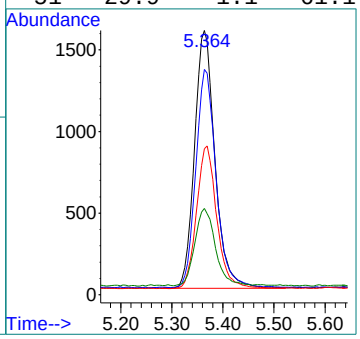


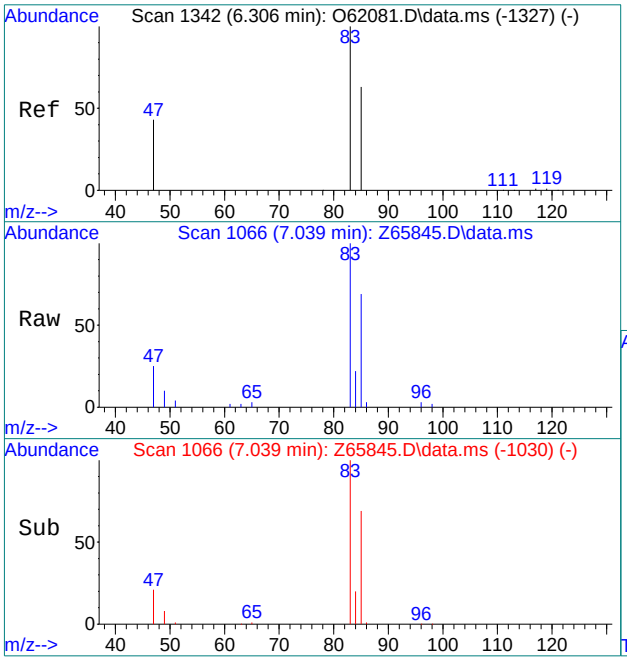


#5
Methylene Chloride
Concen: 0.58 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65845.D
Acq: 10 Sep 2021 5:33 pm

Tgt Ion: 49 Resp: 4407

Ion	Ratio	Lower	Upper
49	100		
84	84.4	13.9	73.9#
86	54.1	0.0	58.0
51	29.9	1.1	61.1

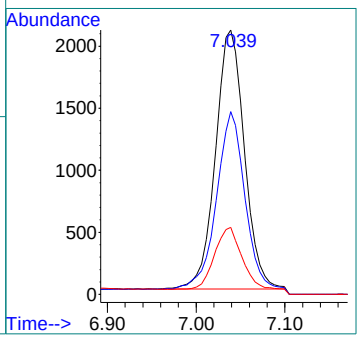


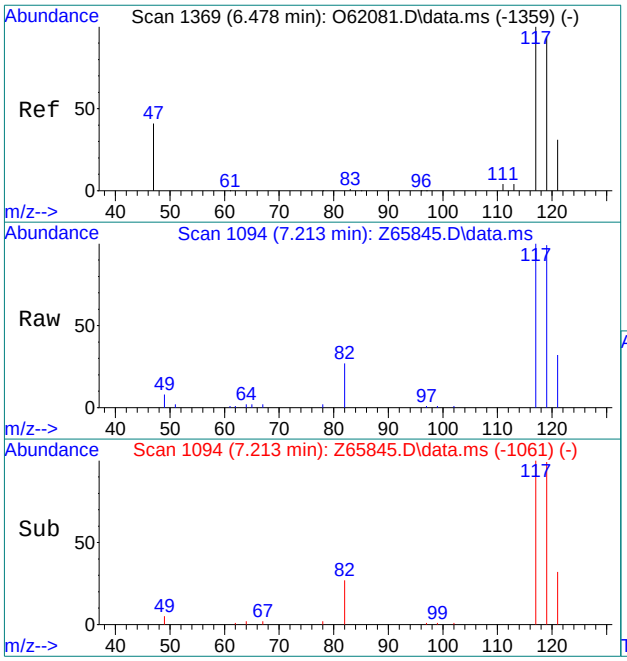


#9
Chloroform
Concen: 0.54 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65845.D
Acq: 10 Sep 2021 5:33 pm

Tgt Ion: 83 Resp: 4729

Ion	Ratio	Lower	Upper
83	100		
85	69.1	34.3	94.3
47	25.4	13.3	73.3

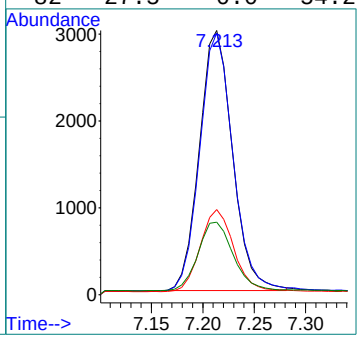




#10
Carbon Tetrachloride
Concen: 1.14 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65845.D
Acq: 10 Sep 2021 5:33 pm

Tgt Ion:117 Resp: 6708

Ion	Ratio	Lower	Upper
117	100		
119	99.0	64.8	124.8
121	32.2	1.6	61.6
82	27.5	0.0	54.2



Manual Integration Approval Summary

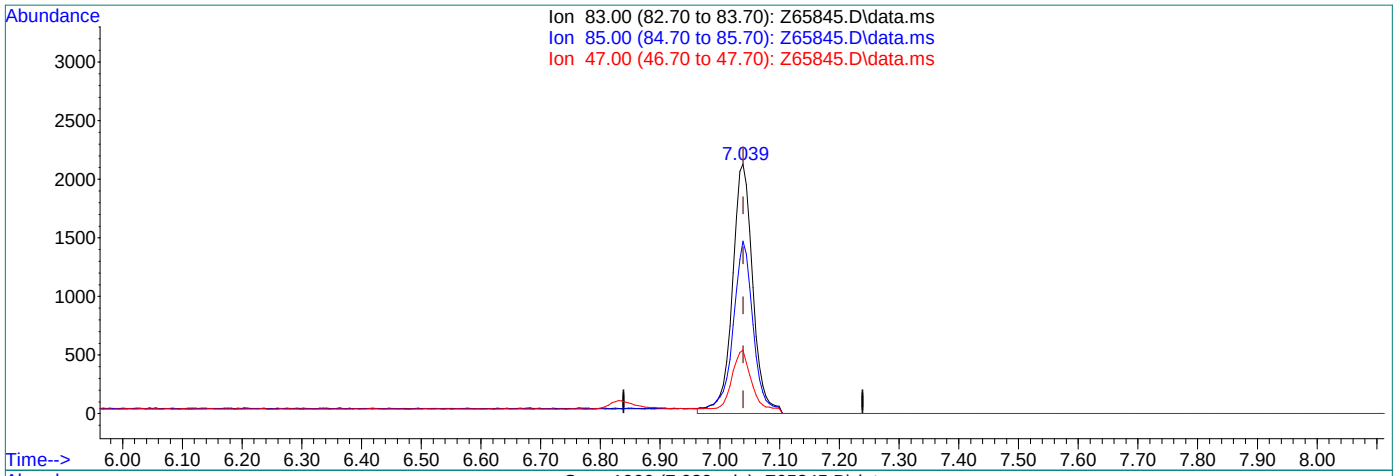
Sample Number: FA88606-5
Lab FileID: Z65845.D
Injection Time: 09/10/21 17:33
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

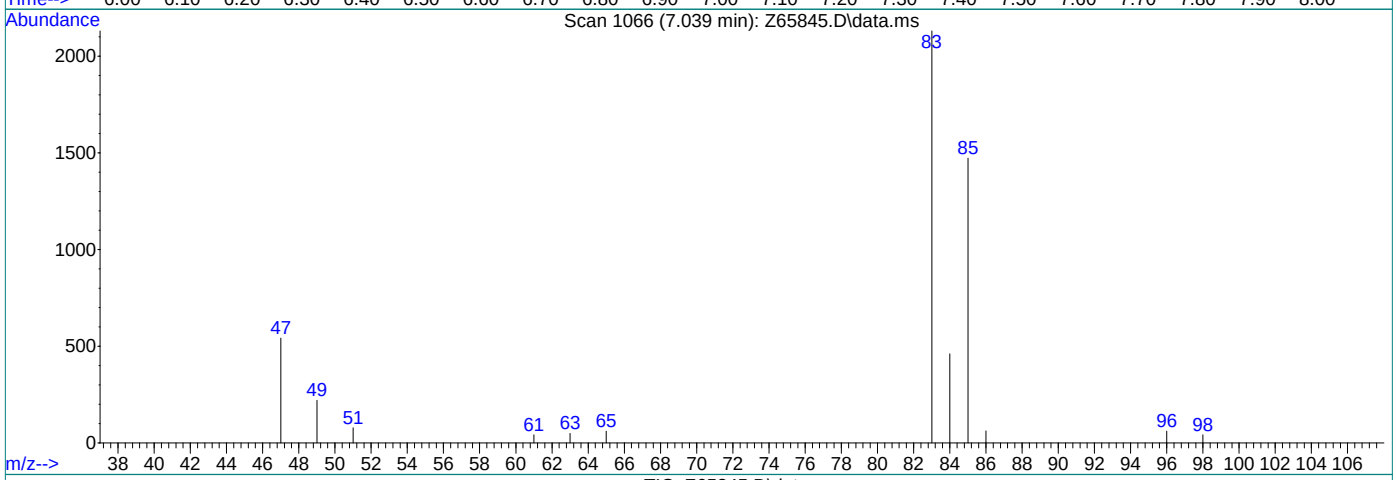
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:25:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65845.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.58ug/L

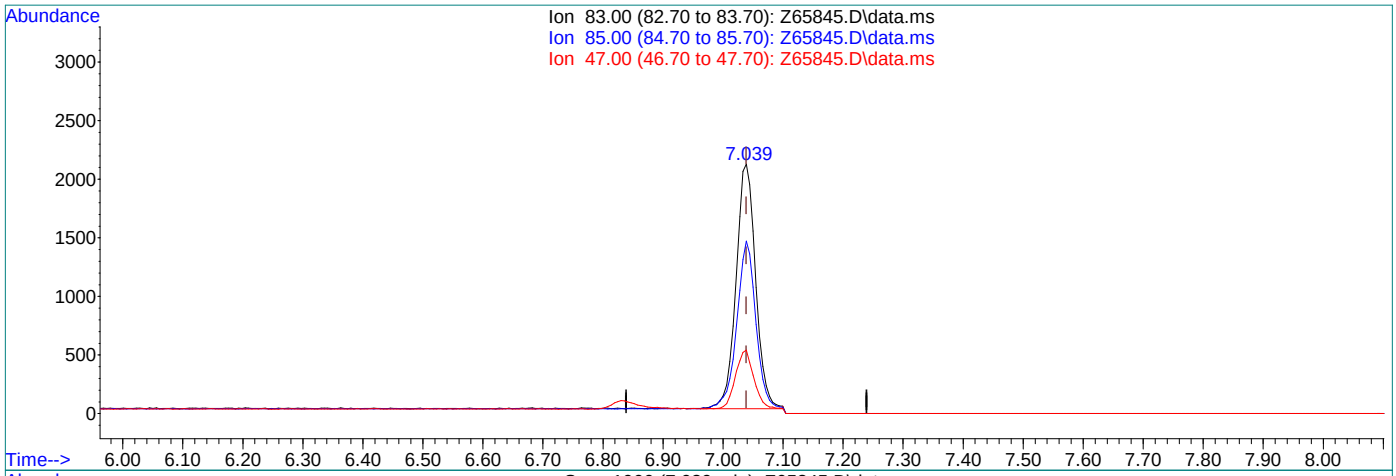
response 5128

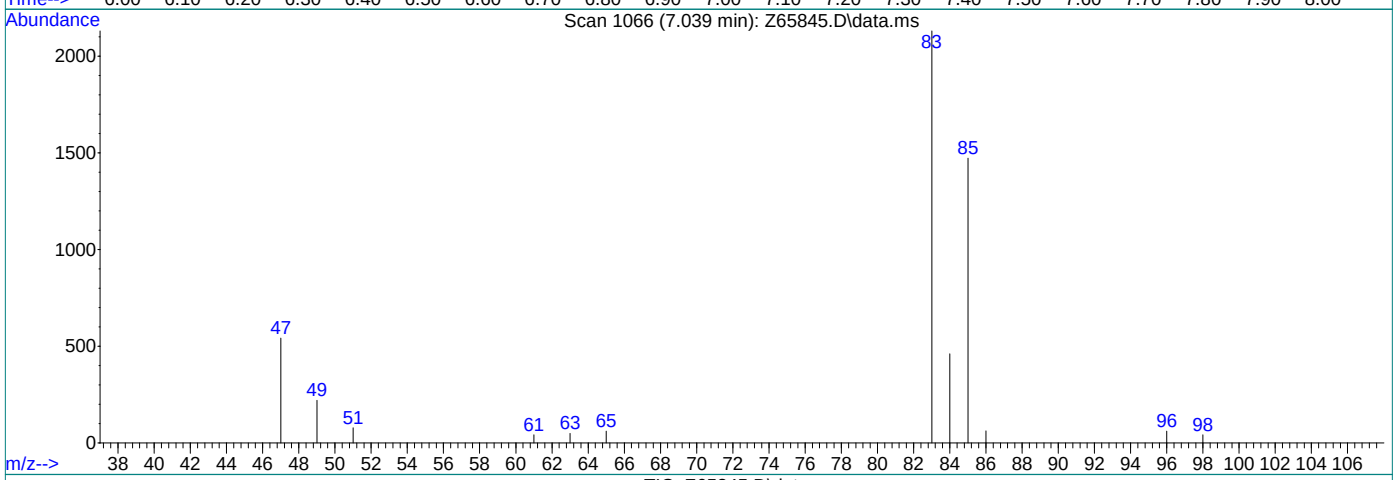
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.08
47.00	43.30	25.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:25:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65845.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.54ug/L m

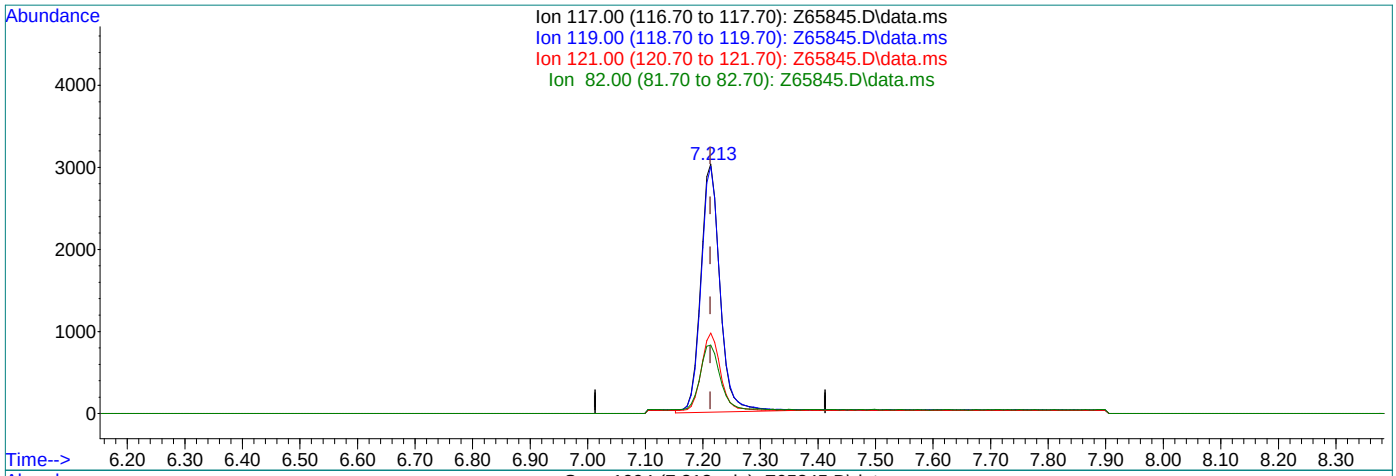
response 4729

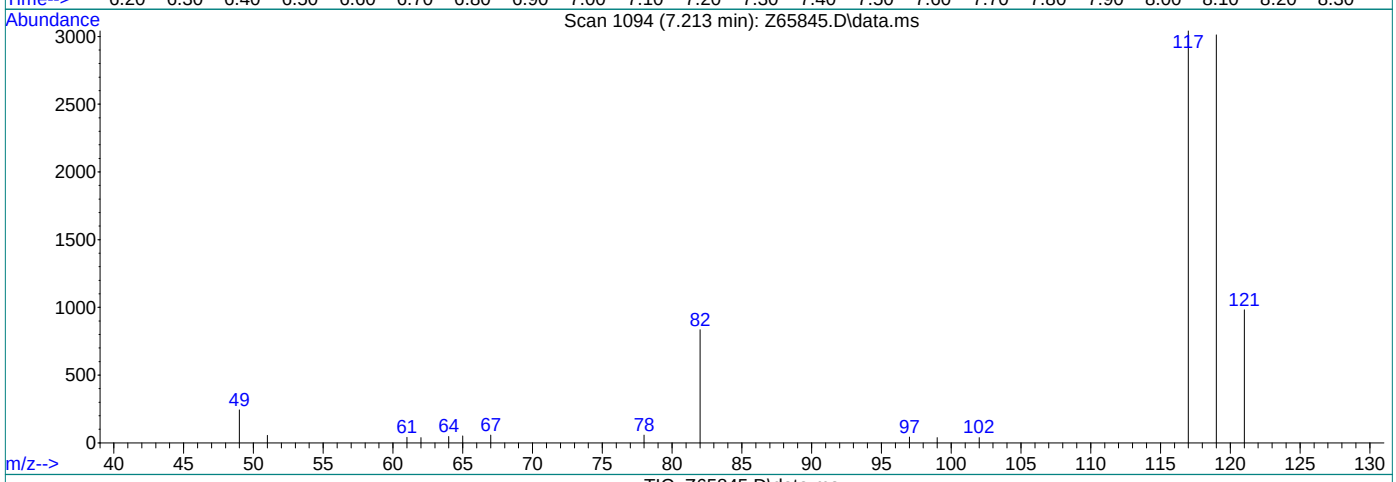
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.08
47.00	43.30	25.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:36:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65845.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 1.20ug/L

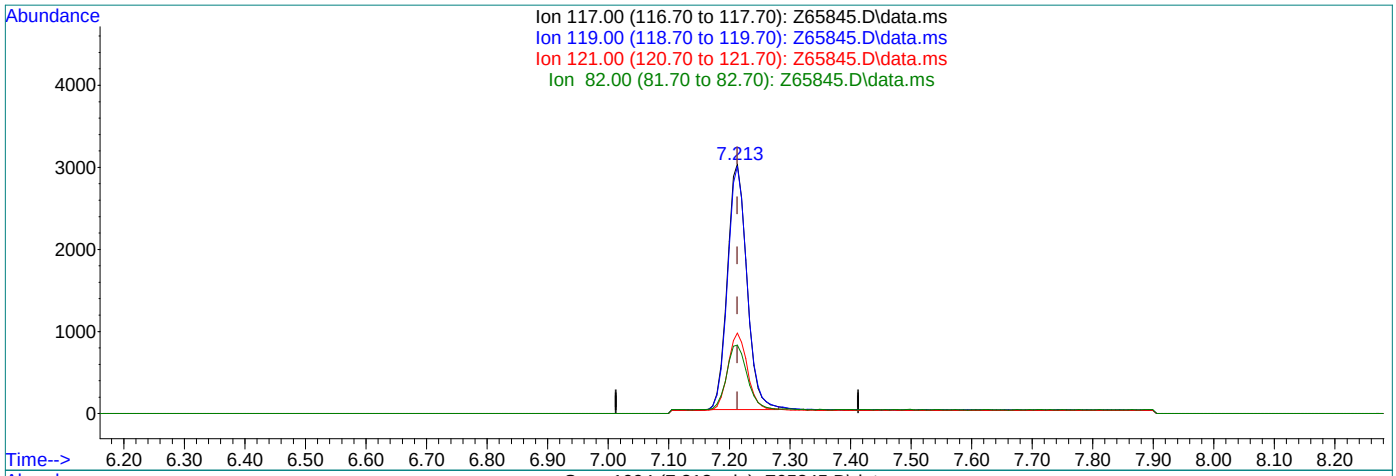
response 7060

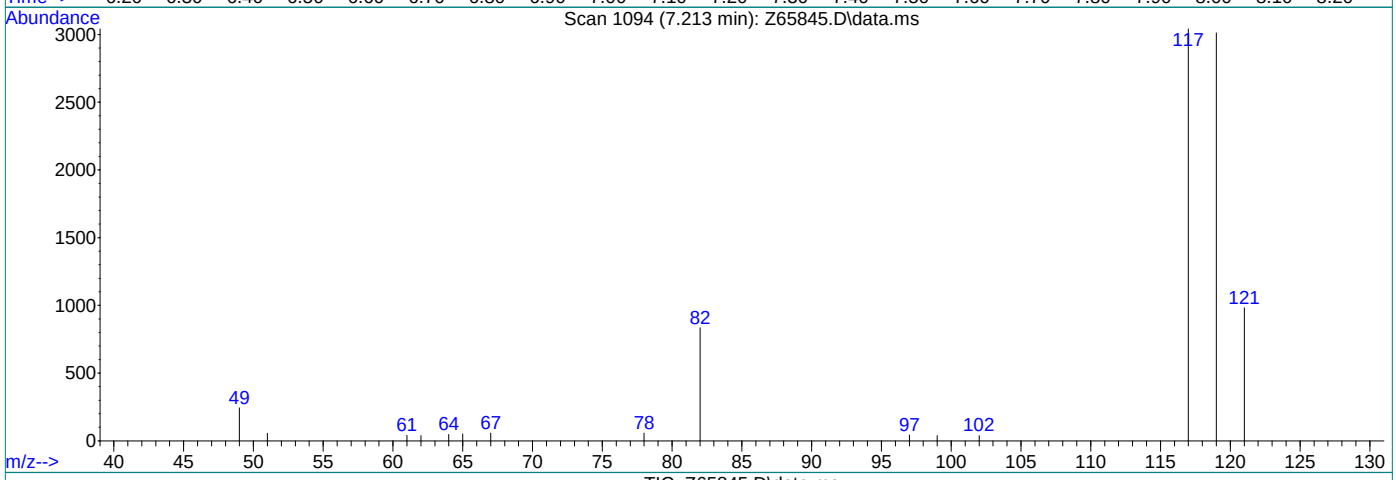
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	98.87
121.00	31.60	31.39
82.00	24.20	26.22

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65845.D
Acq On : 10 Sep 2021 5:33 pm
Operator : CHARLENG
Sample : FA88606-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 08:36:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65845.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 1.14ug/L m

response 6708

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	99.01
121.00	31.60	32.25
82.00	24.20	27.48

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49711,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:37:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	49747	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	38746	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17538	5.22	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.40%			
19) Toluene-d8	9.577	98	42177	4.50	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4538	0.60	ug/L	# 60
9) Chloroform	7.039	83	2919m	0.33	ug/L	
10) Carbon Tetrachloride	7.213	117	444m	0.08	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

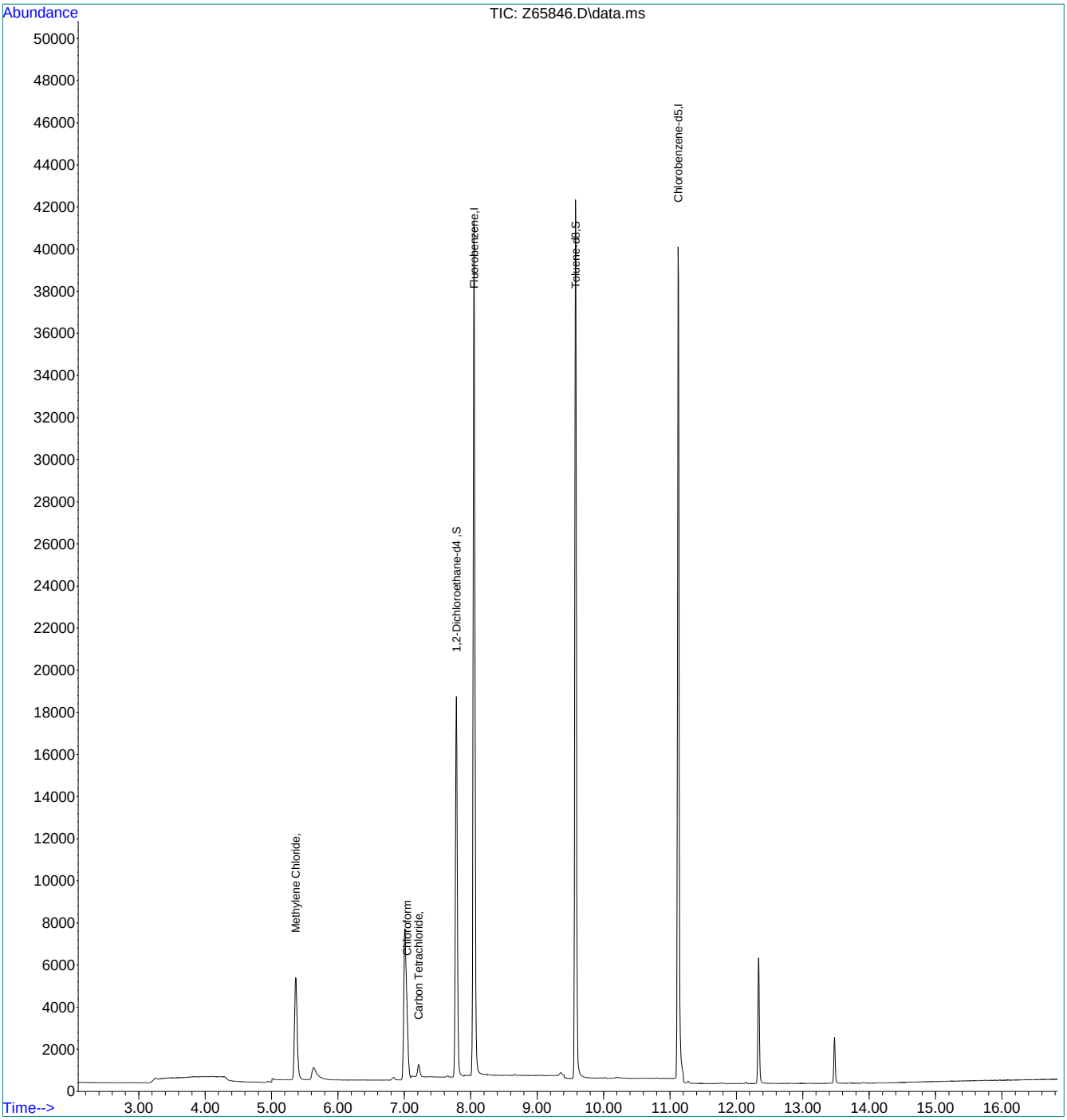
7.1.6

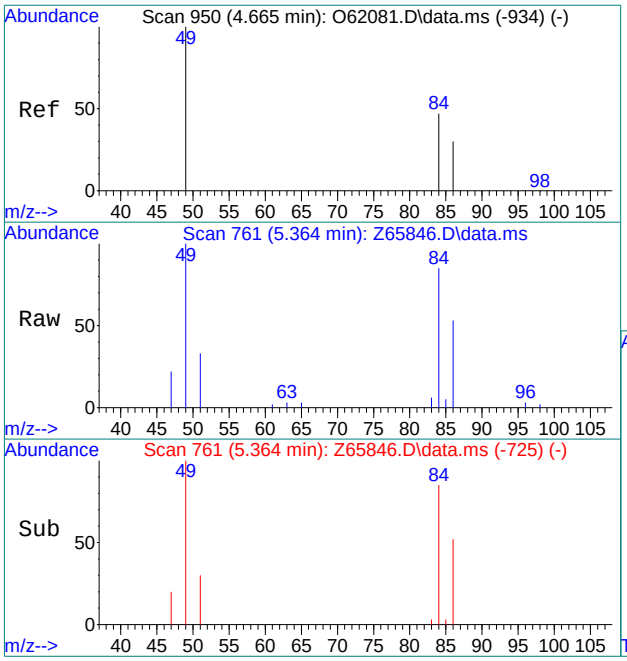
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49711,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:37:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

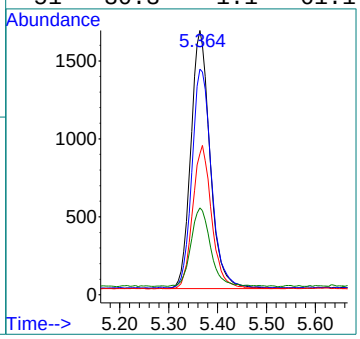


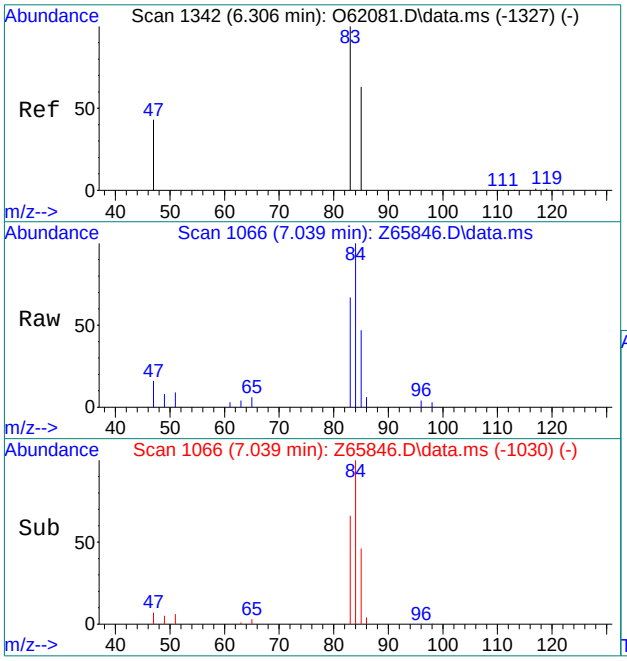


#5
Methylene Chloride
Concen: 0.60 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65846.D
Acq: 10 Sep 2021 5:53 pm

Tgt Ion: 49 Resp: 4538

Ion	Ratio	Lower	Upper
49	100		
84	84.7	13.9	73.9#
86	52.2	0.0	58.0
51	30.3	1.1	61.1

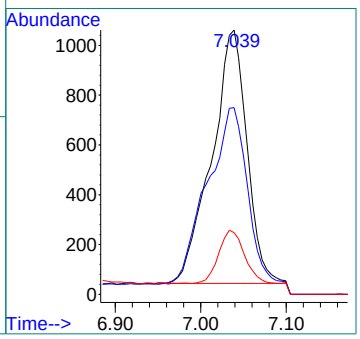


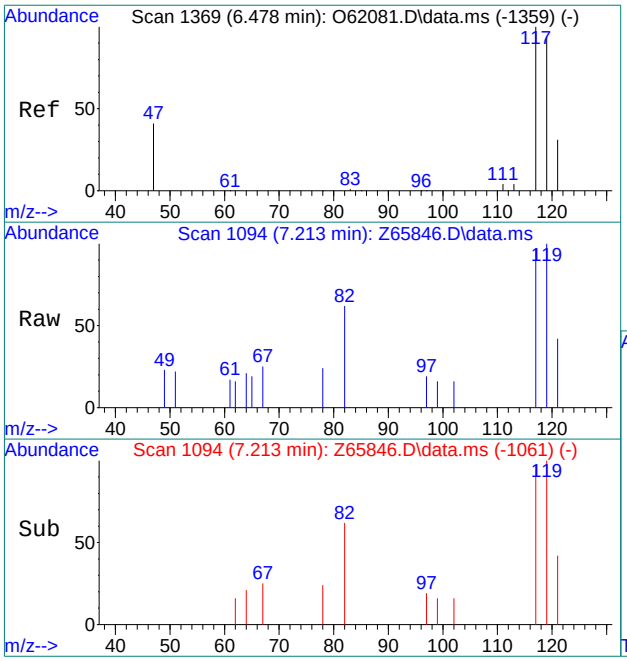


#9
Chloroform
Concen: 0.33 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65846.D
Acq: 10 Sep 2021 5:53 pm

Tgt Ion: 83 Resp: 2919

Ion	Ratio	Lower	Upper
83	100		
85	70.6	34.3	94.3
47	23.4	13.3	73.3

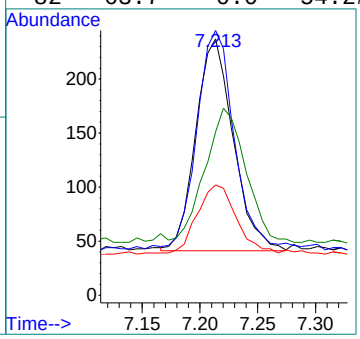




#10
Carbon Tetrachloride
Concen: 0.08 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65846.D
Acq: 10 Sep 2021 5:53 pm

Tgt Ion:117 Resp: 444

Ion	Ratio	Lower	Upper
117	100		
119	103.4	64.8	124.8
121	43.0	1.6	61.6
82	63.7	0.0	54.2#



Manual Integration Approval Summary

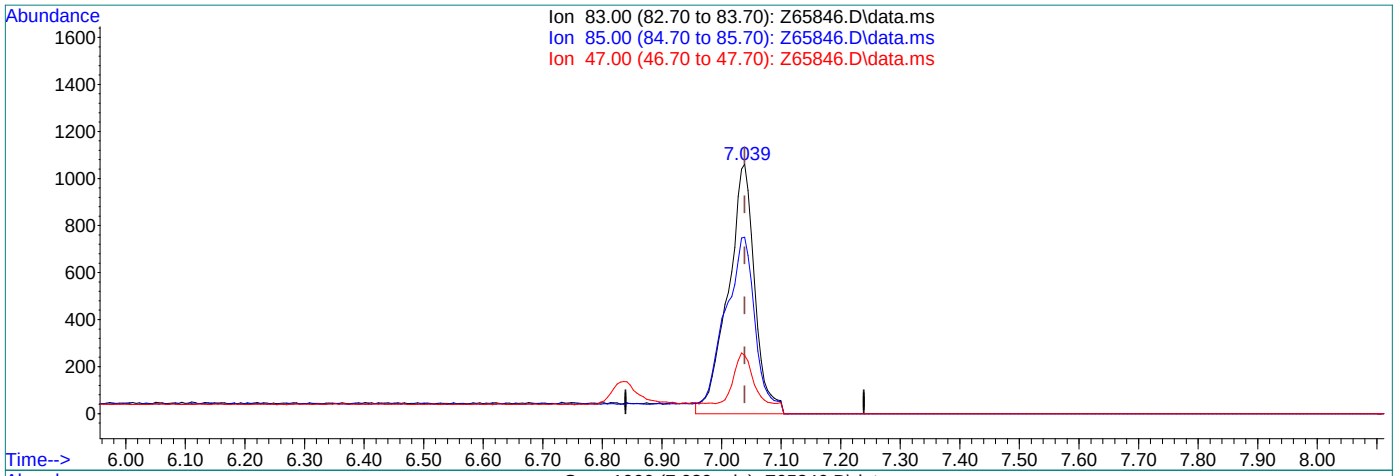
Sample Number: FA88606-6
Lab FileID: Z65846.D
Injection Time: 09/10/21 17:53
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

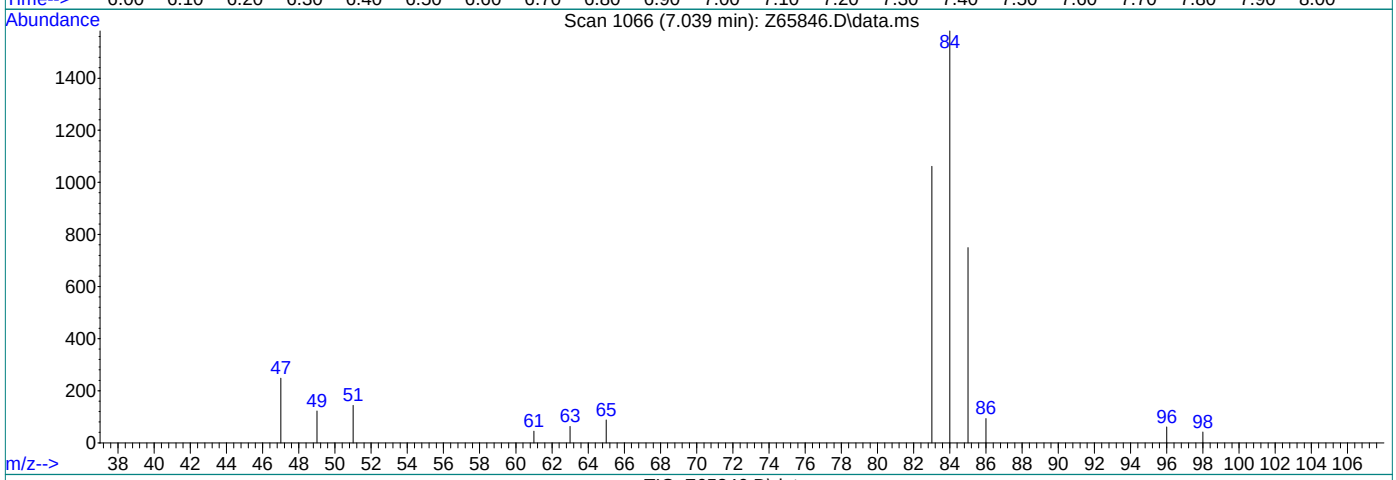
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49709,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:25:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65846.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.38ug/L

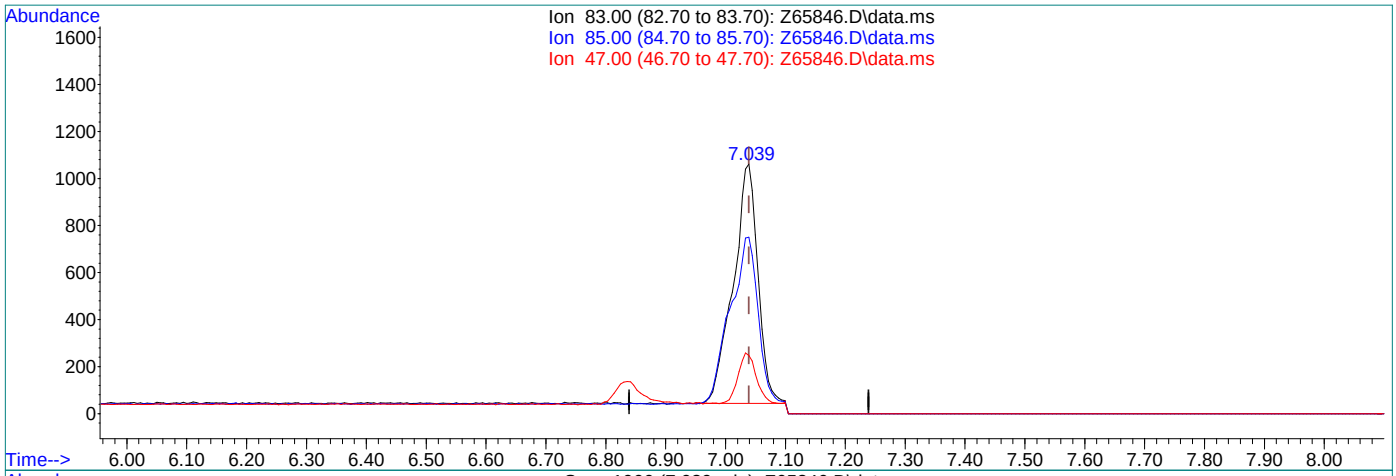
response 3324

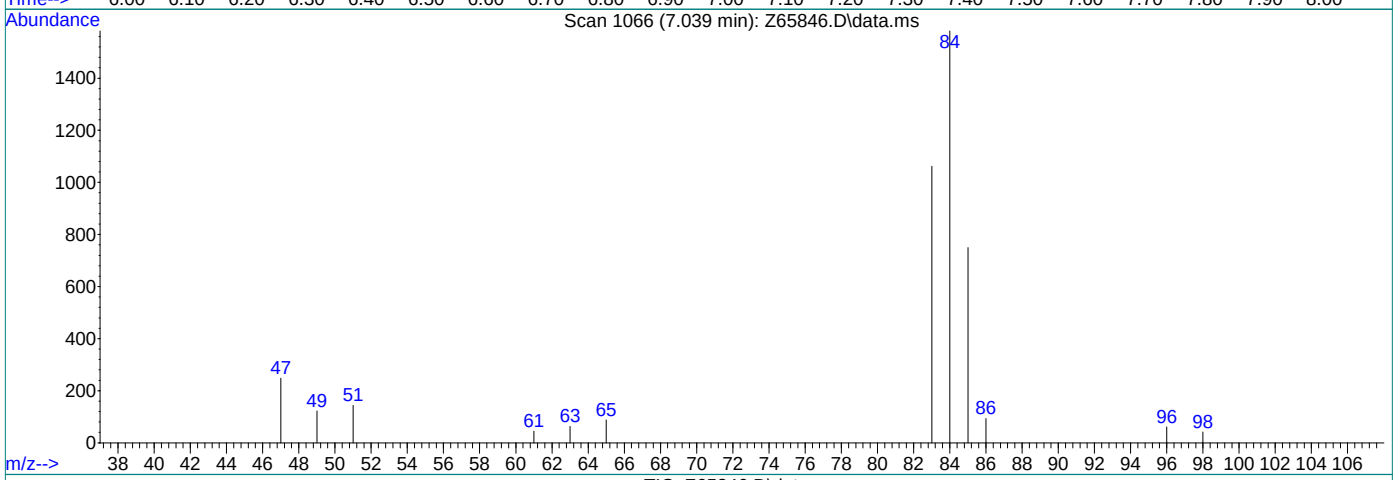
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	70.62
47.00	43.30	23.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49709,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:25:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65846.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.33ug/L m

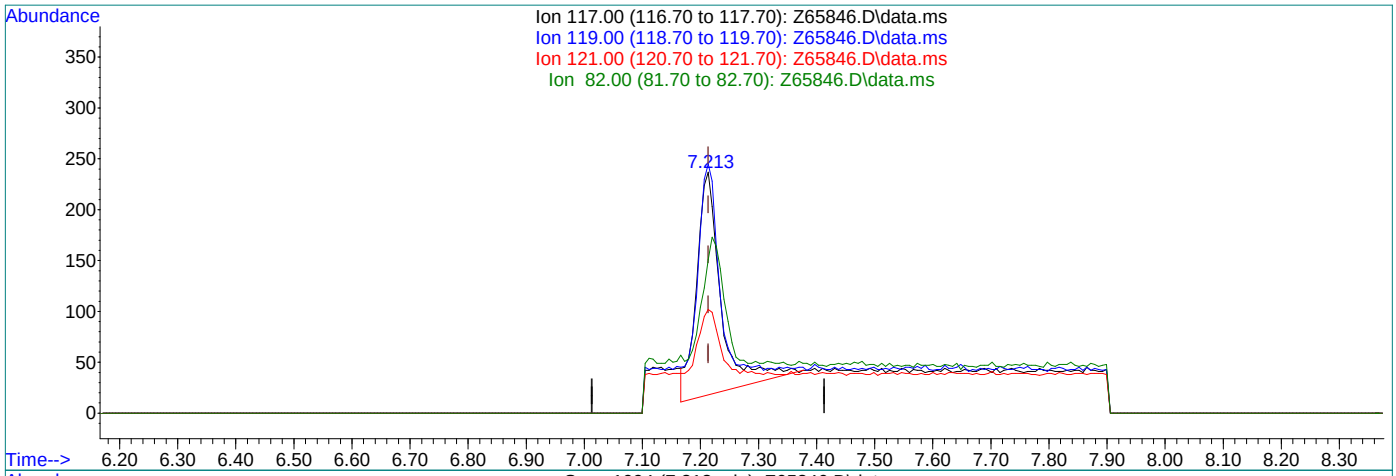
response 2919

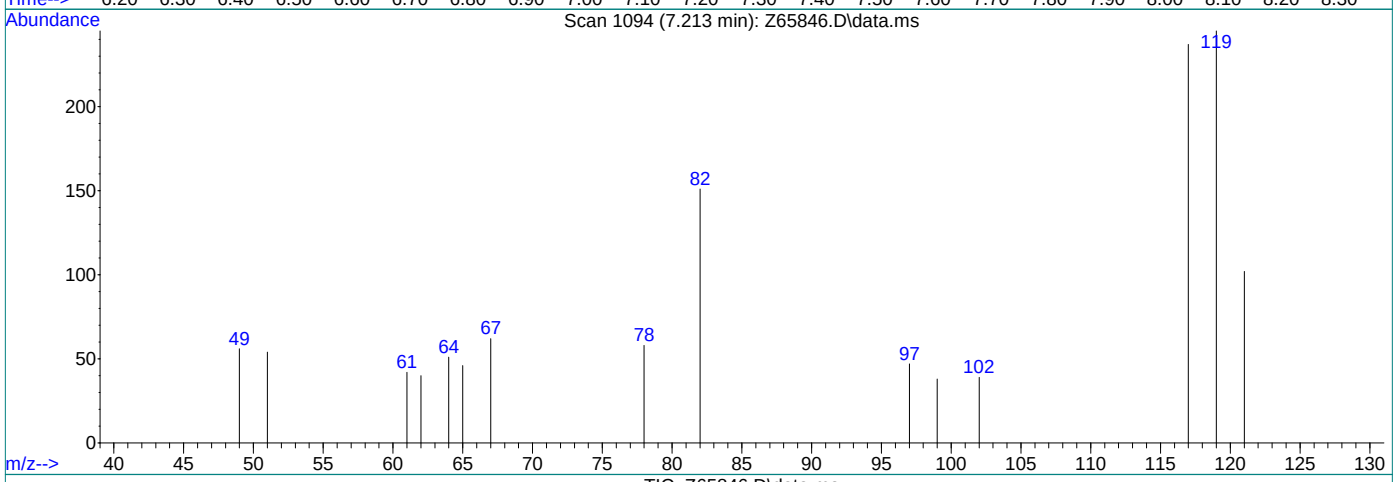
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	70.62
47.00	43.30	23.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49709,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:25:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65846.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.11ug/L

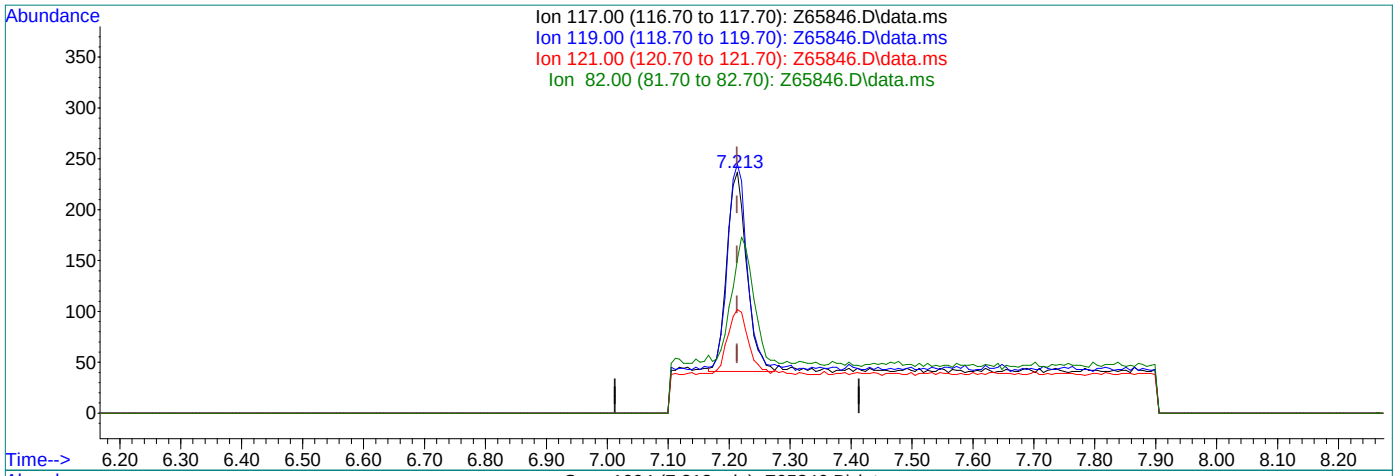
response 640

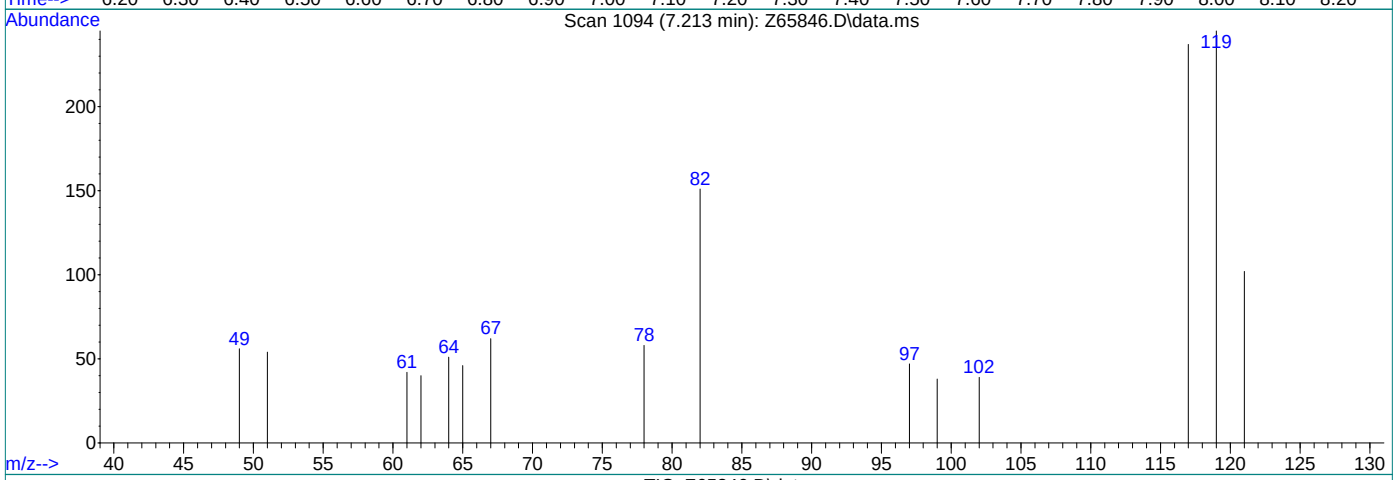
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.56
121.00	31.60	32.31
82.00	24.20	52.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65846.D
Acq On : 10 Sep 2021 5:53 pm
Operator : CHARLENG
Sample : FA88606-6
Misc : MS49709,VZ2590,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 08:25:03 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65846.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.08ug/L m

response 444

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.38
121.00	31.60	43.04
82.00	24.20	63.71#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49711,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:37:55 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

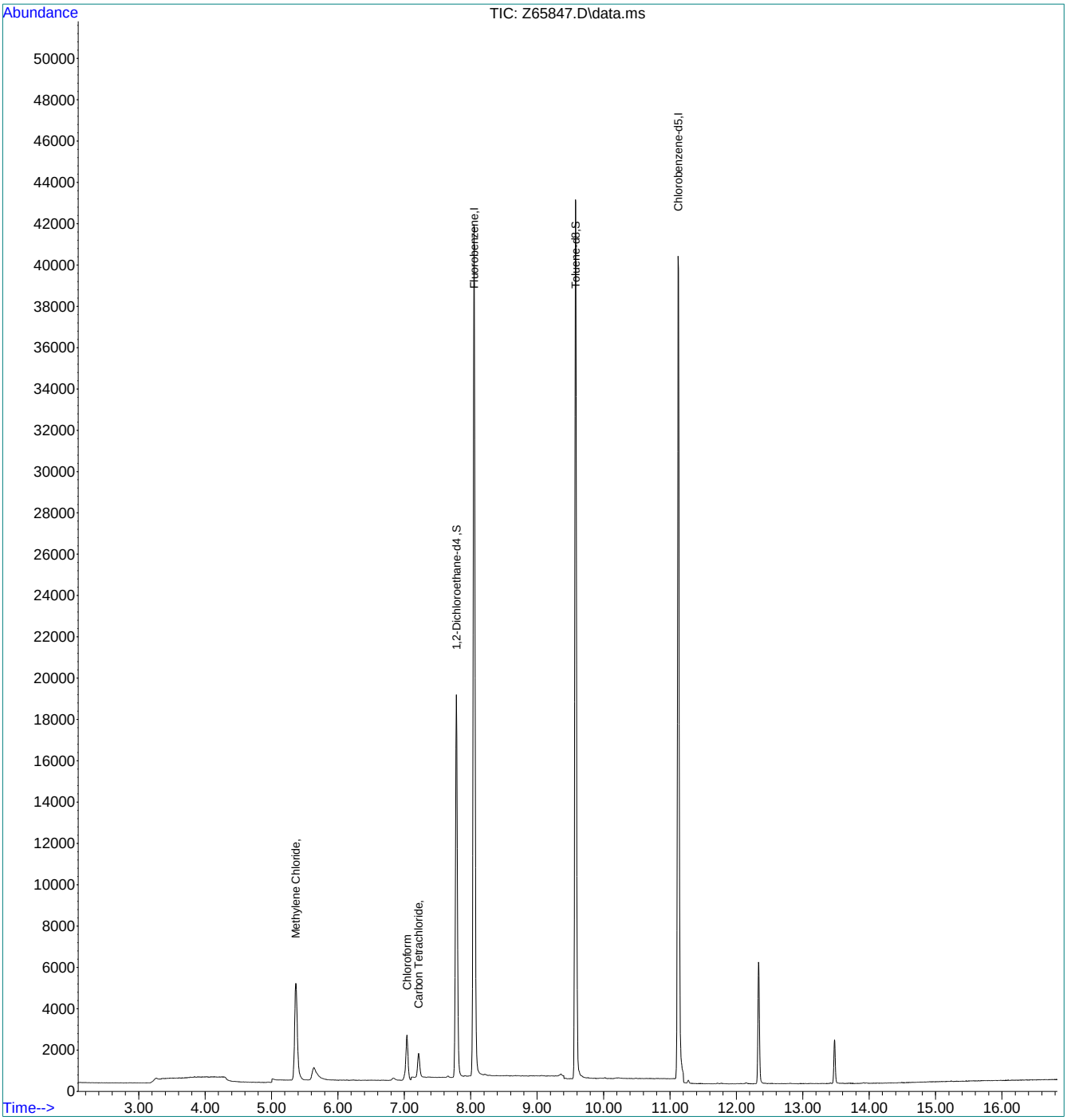
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51028	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39868	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17866	5.18	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.60%			
19) Toluene-d8	9.576	98	43664	4.53	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4580	0.59	ug/L	# 60
9) Chloroform	7.039	83	2265m	0.25	ug/L	
10) Carbon Tetrachloride	7.213	117	953m	0.16	ug/L	

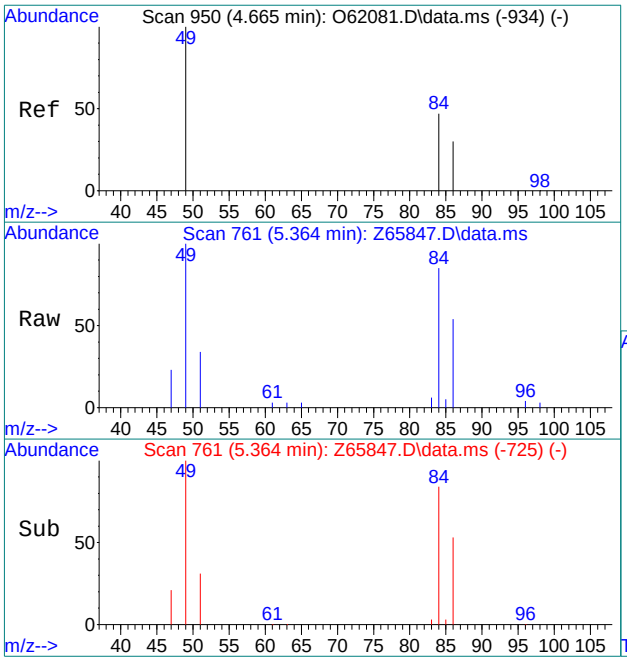
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49711,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:37:55 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

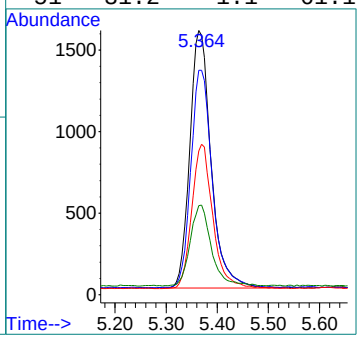


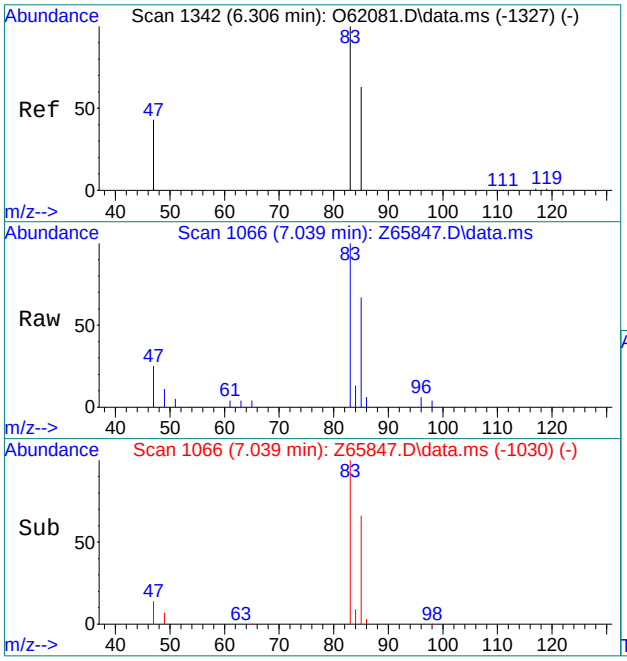


#5
Methylene Chloride
Concen: 0.59 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65847.D
Acq: 10 Sep 2021 6:13 pm

Tgt Ion: 49 Resp: 4580

Ion	Ratio	Lower	Upper
49	100		
84	84.3	13.9	73.9#
86	53.4	0.0	58.0
51	31.2	1.1	61.1

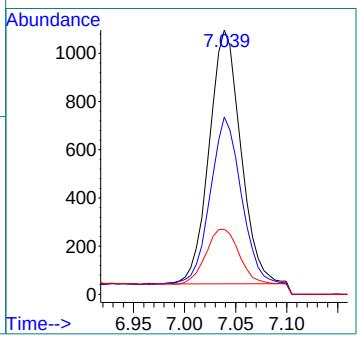


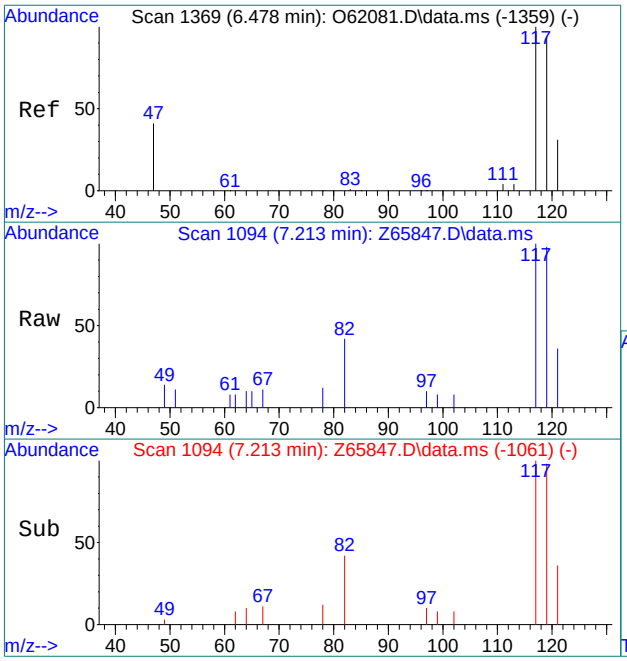


#9
Chloroform
Concen: 0.25 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65847.D
Acq: 10 Sep 2021 6:13 pm

Tgt Ion: 83 Resp: 2265

Ion	Ratio	Lower	Upper
83	100		
85	67.1	34.3	94.3
47	24.6	13.3	73.3

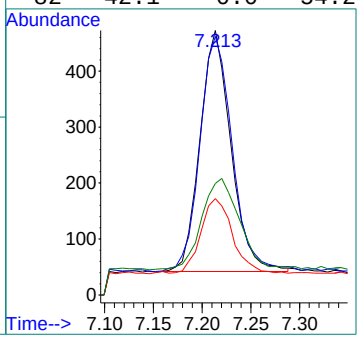




#10
Carbon Tetrachloride
Concen: 0.16 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65847.D
Acq: 10 Sep 2021 6:13 pm

Tgt Ion:117 Resp: 953

Ion	Ratio	Lower	Upper
117	100		
119	97.7	64.8	124.8
121	36.4	1.6	61.6
82	42.1	0.0	54.2



7.1.7

Manual Integration Approval Summary

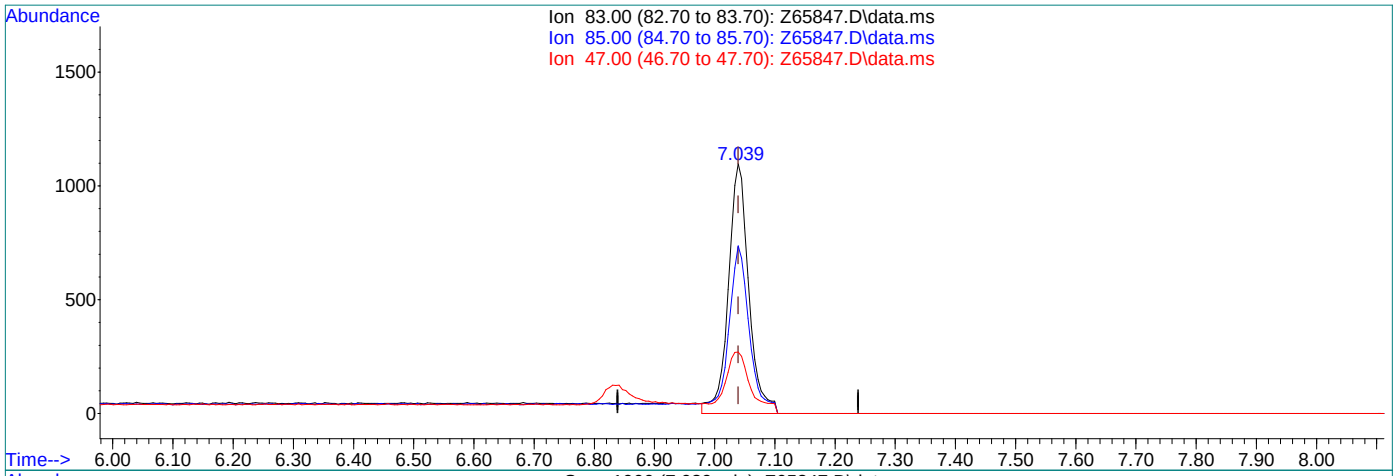
Sample Number: FA88606-7
Lab FileID: Z65847.D
Injection Time: 09/10/21 18:13
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

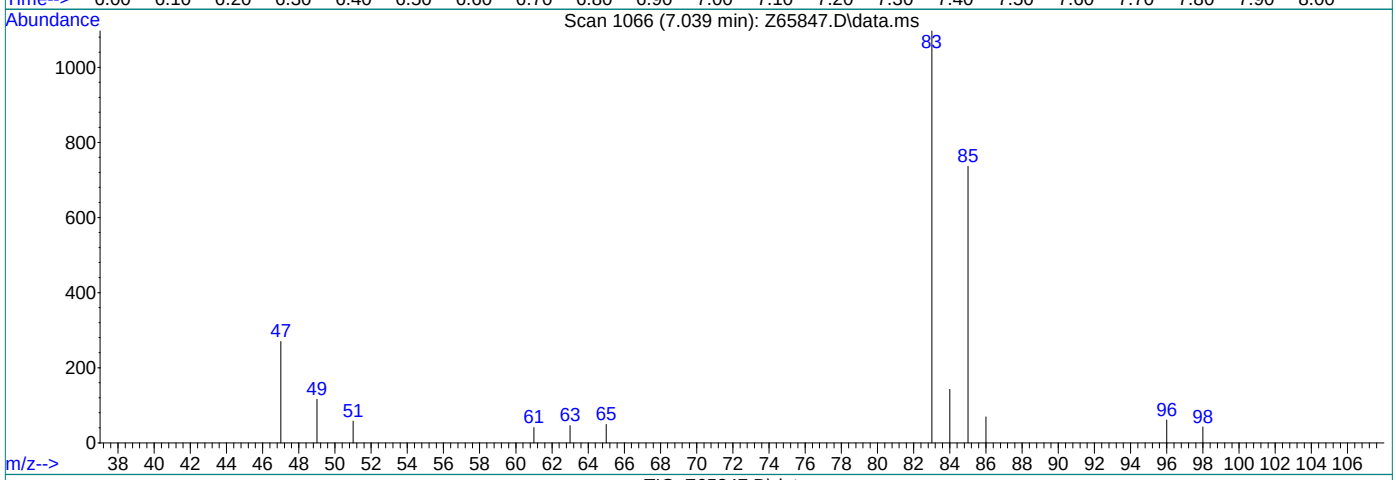
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49709,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:25:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65847.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.29ug/L

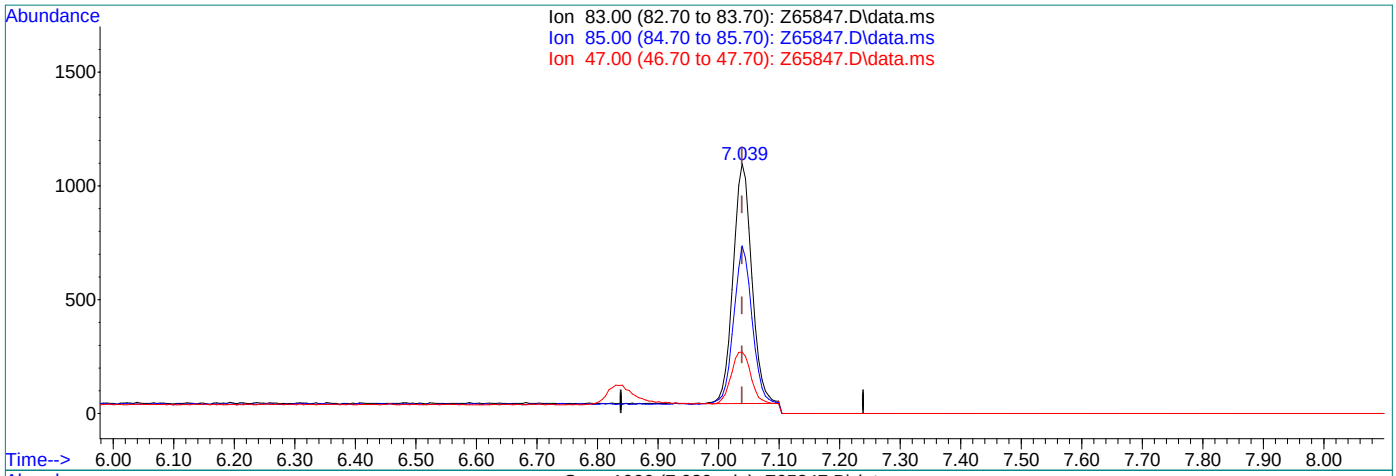
response 2606

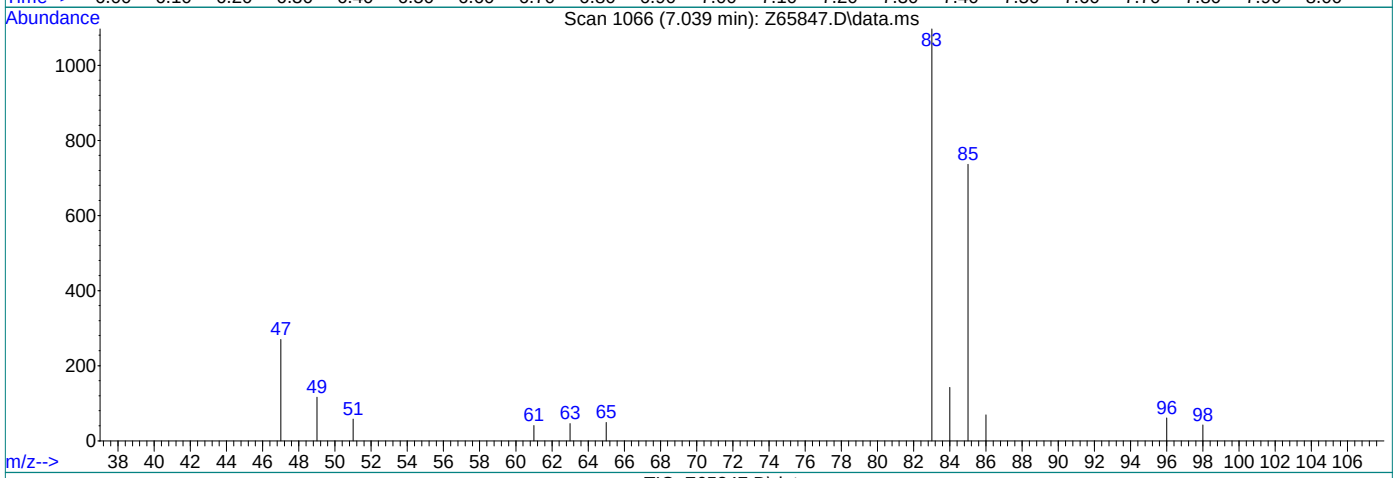
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.09
47.00	43.30	24.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49709,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:25:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65847.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.25ug/L m

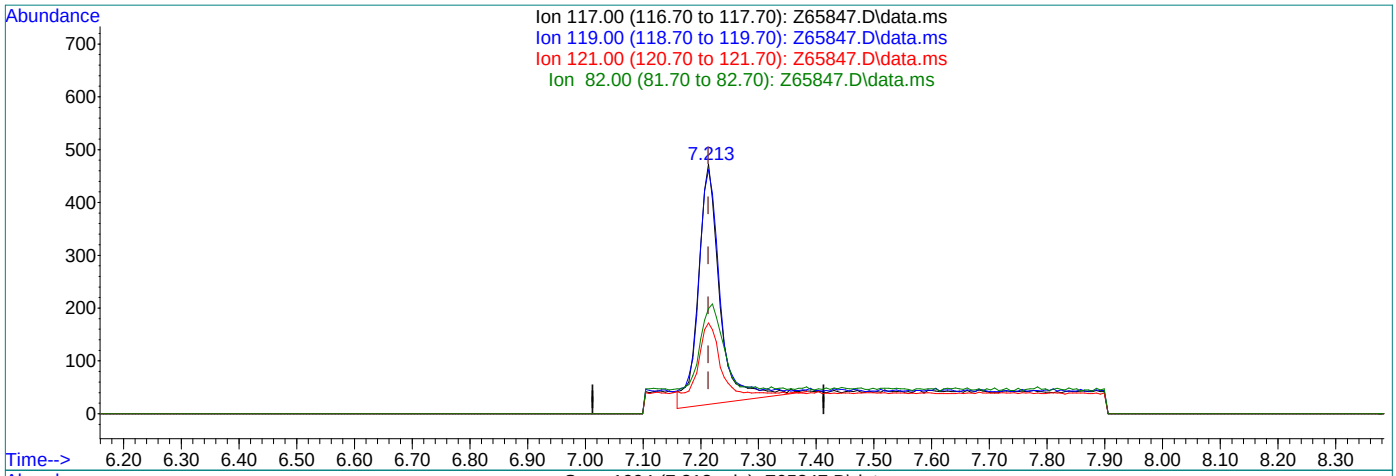
response 2265

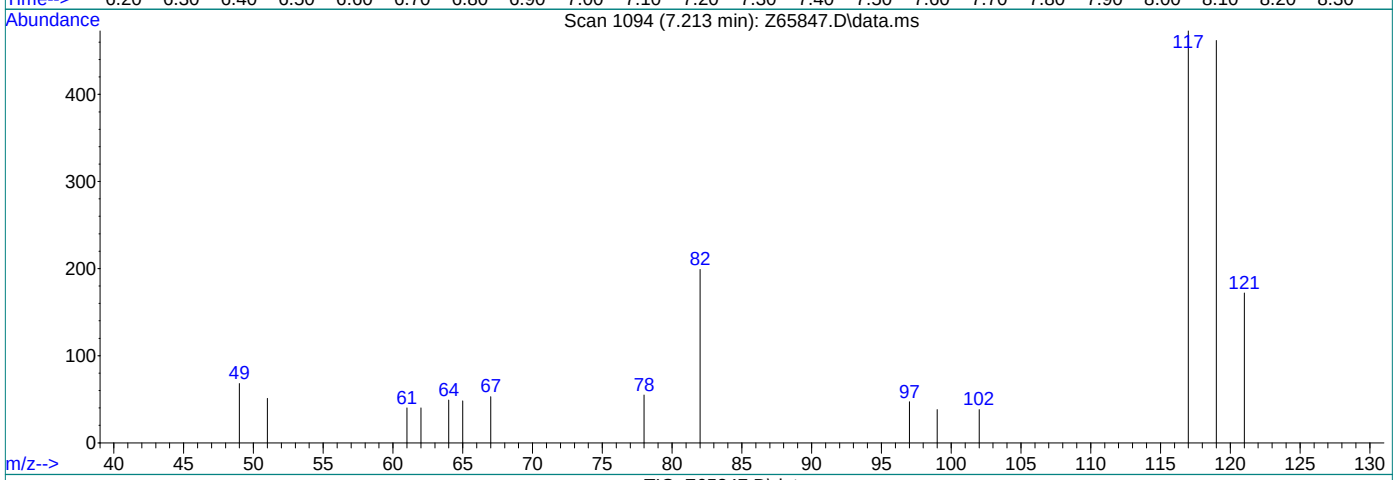
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	67.09
47.00	43.30	24.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49709,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:25:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65847.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.20ug/L

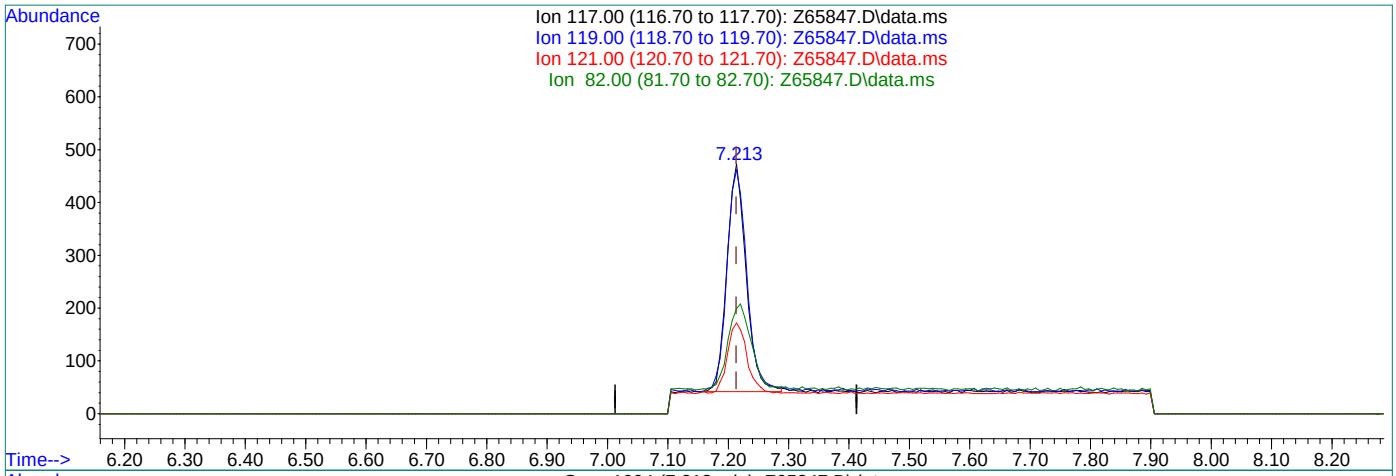
response 1176

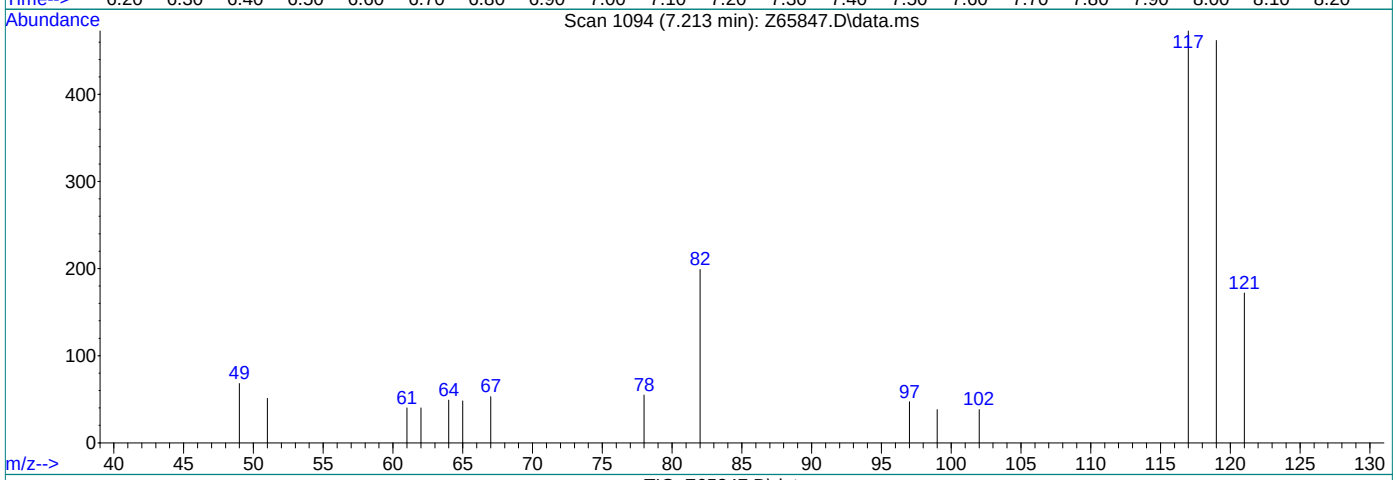
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	97.22
121.00	31.60	31.09
82.00	24.20	35.27

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65847.D
Acq On : 10 Sep 2021 6:13 pm
Operator : CHARLENG
Sample : FA88606-7
Misc : MS49709,VZ2590,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 08:25:06 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65847.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.16ug/L m

response 953

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	97.67
121.00	31.60	36.36
82.00	24.20	42.07

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49711,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:38:21 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	50530	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	38525	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17882	5.24	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 104.80%			
19) Toluene-d8	9.577	98	43220	4.64	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4674	0.61	ug/L	# 61
9) Chloroform	7.039	83	849m	0.10	ug/L	
10) Carbon Tetrachloride	7.213	117	210m	0.04	ug/L	
21) Tetrachloroethene	10.022	166	96	0.02	ug/L	# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

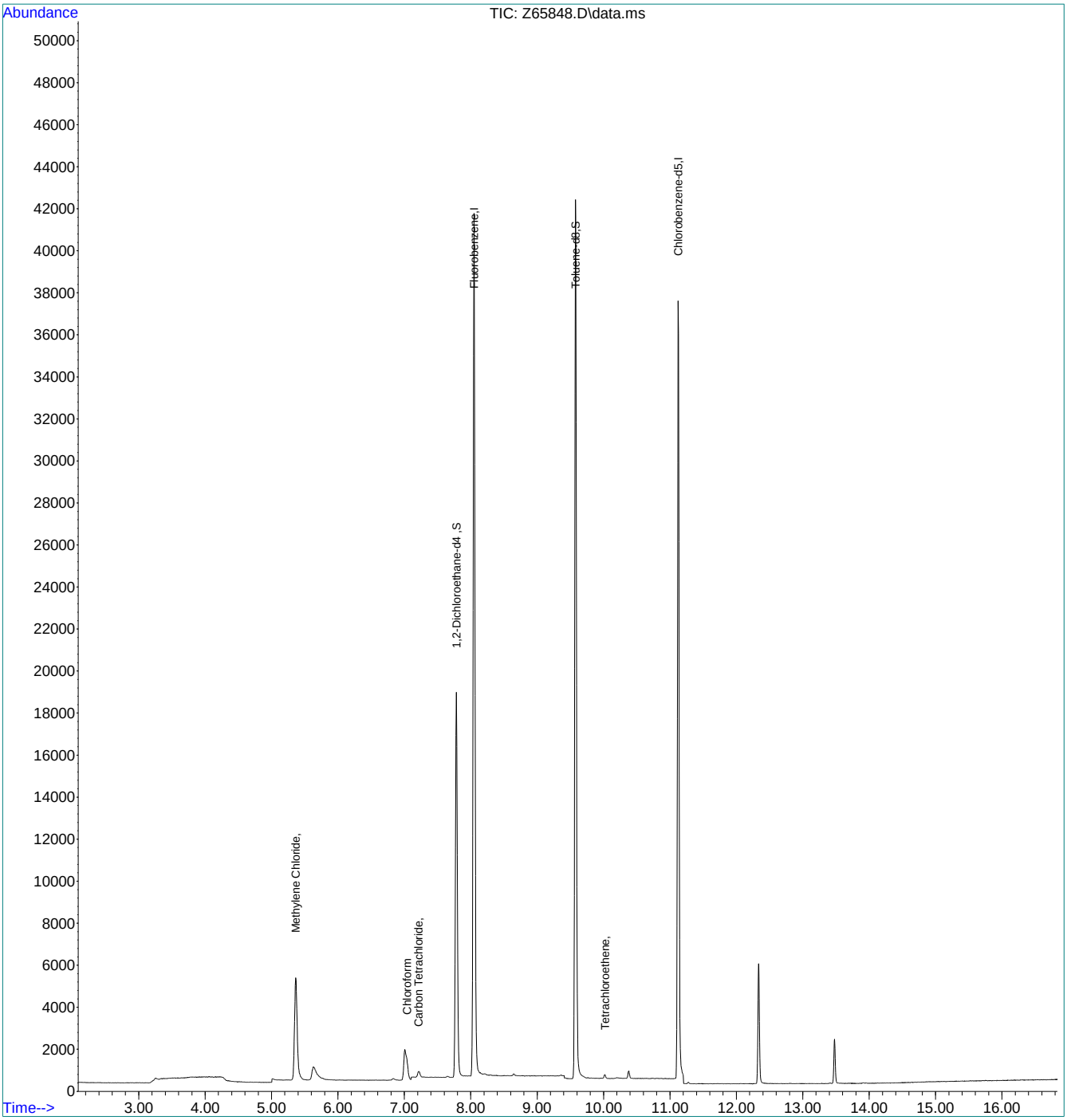
7.1.8

7

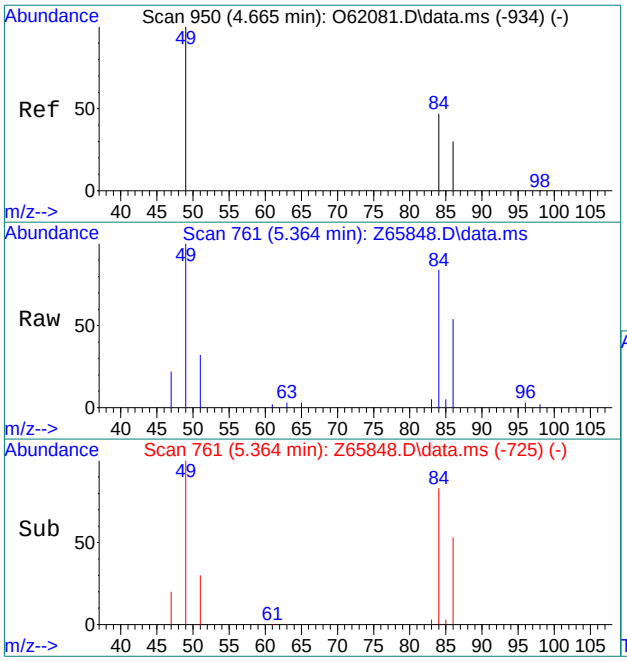
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49711,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:38:21 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



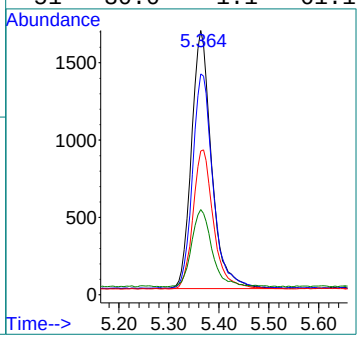
SIMCL-09-07-2021.M Sat Sep 11 08:50:57 2021 Page: 2

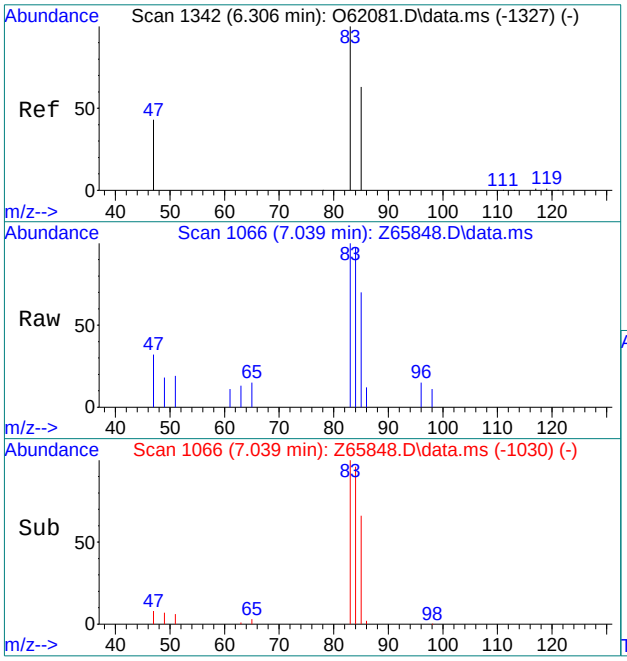


#5
Methylene Chloride
Concen: 0.61 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65848.D
Acq: 10 Sep 2021 6:34 pm

Tgt Ion: 49 Resp: 4674

Ion	Ratio	Lower	Upper
49	100		
84	82.9	13.9	73.9#
86	53.5	0.0	58.0
51	30.0	1.1	61.1

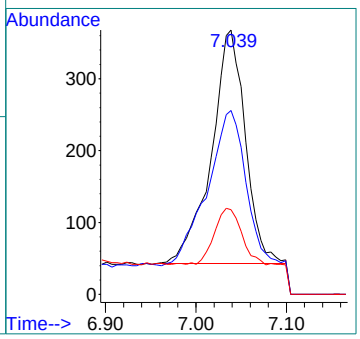


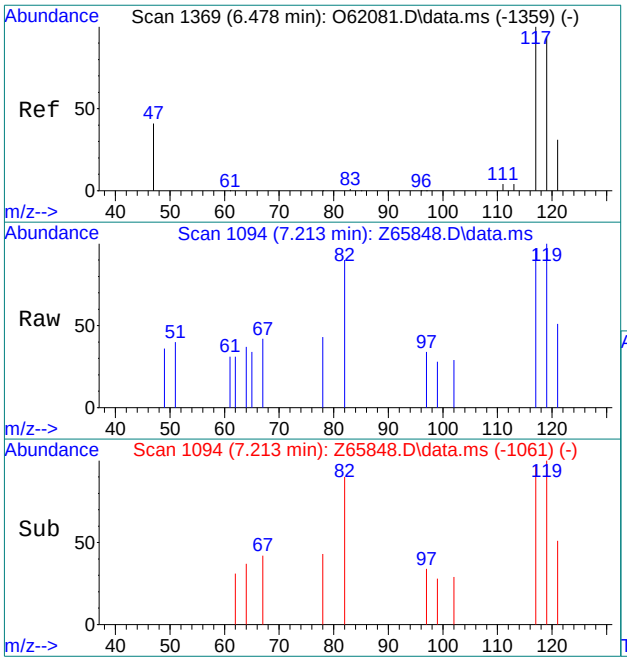


#9
Chloroform
Concen: 0.10 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65848.D
Acq: 10 Sep 2021 6:34 pm

Tgt Ion: 83 Resp: 849

Ion	Ratio	Lower	Upper
83	100		
85	69.6	34.3	94.3
47	32.1	13.3	73.3

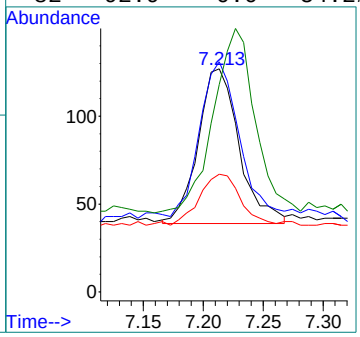


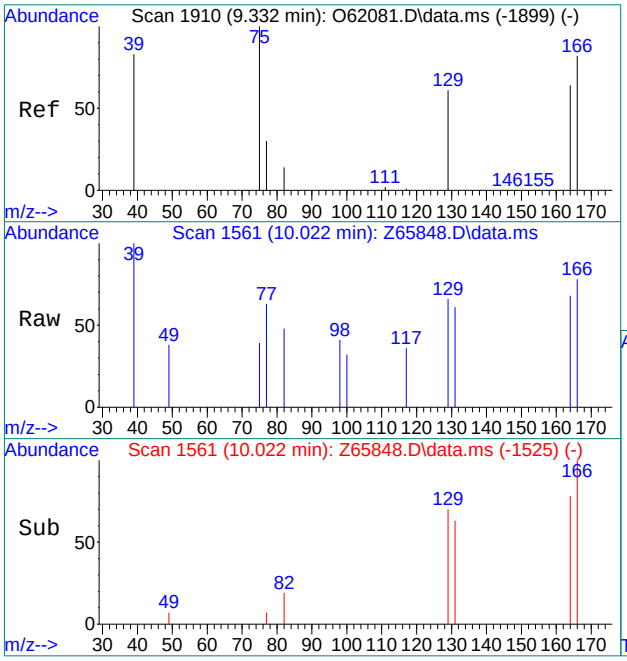


#10
Carbon Tetrachloride
Concen: 0.04 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65848.D
Acq: 10 Sep 2021 6:34 pm

Tgt Ion:117 Resp: 210

Ion	Ratio	Lower	Upper
117	100		
119	103.1	64.8	124.8
121	52.8	1.6	61.6
82	92.9	0.0	54.2#

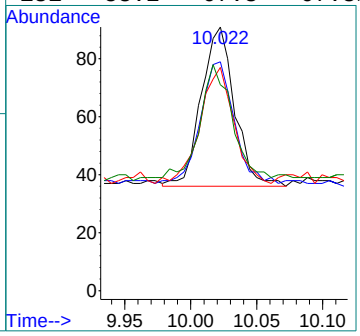




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65848.D
Acq: 10 Sep 2021 6:34 pm

Tgt Ion:166 Resp: 96

Ion	Ratio	Lower	Upper
166	100		
164	74.5	46.5	106.5
129	69.1	36.5	96.5
131	58.2	67.3	67.3#



Manual Integration Approval Summary

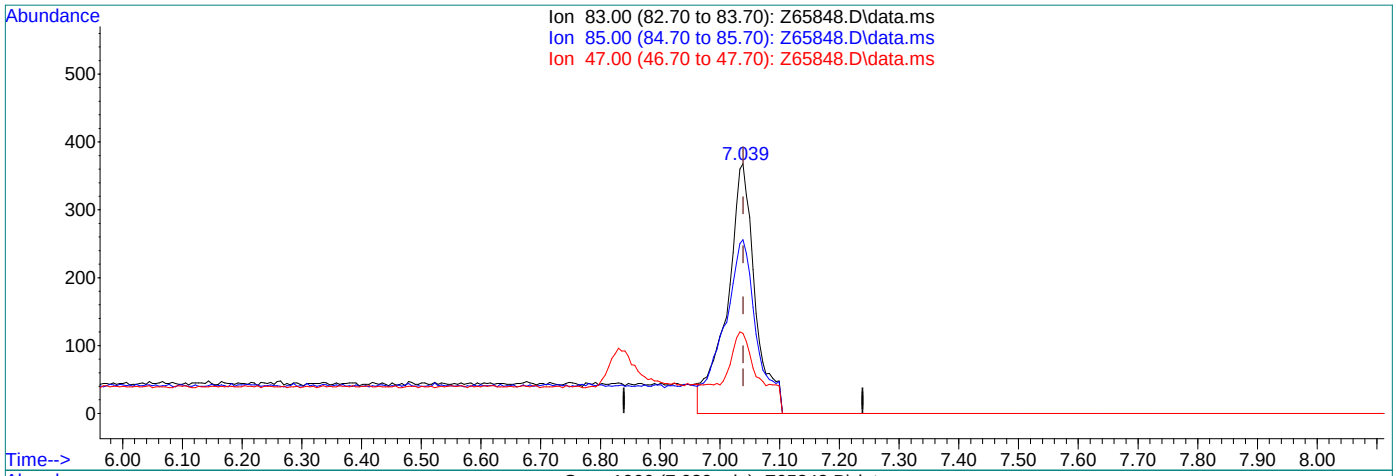
Sample Number: FA88606-8
Lab FileID: Z65848.D
Injection Time: 09/10/21 18:34
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

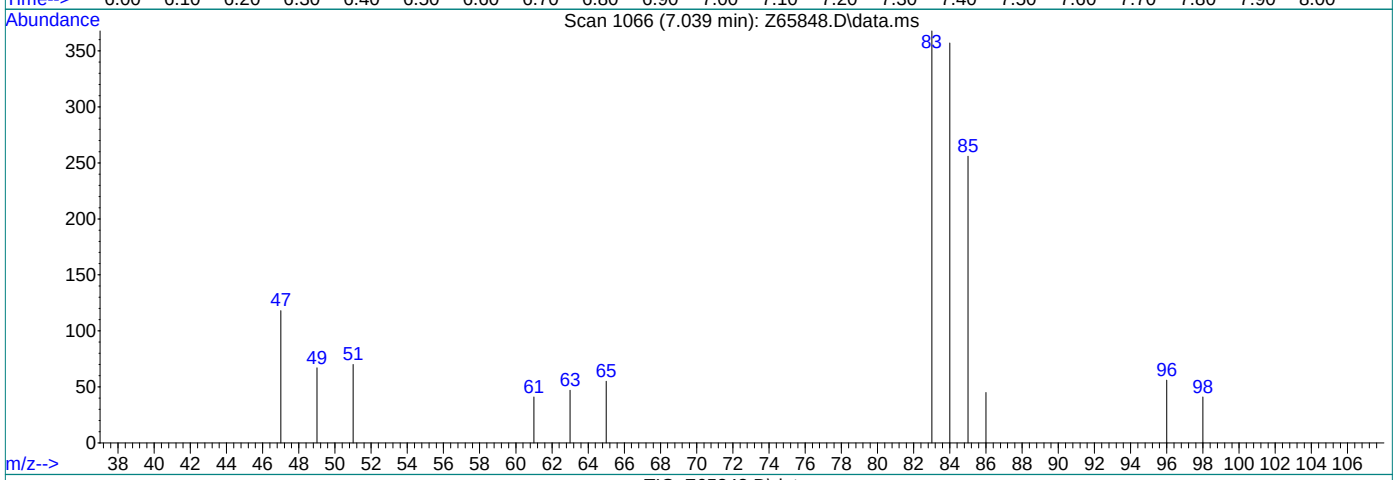
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49709,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:25:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65848.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.14ug/L

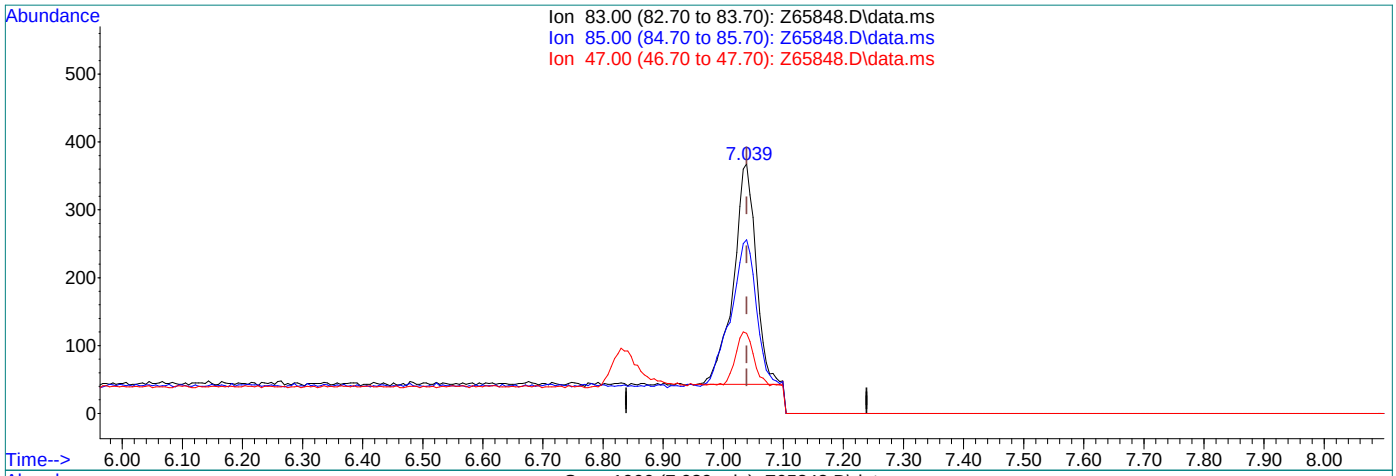
response 1213

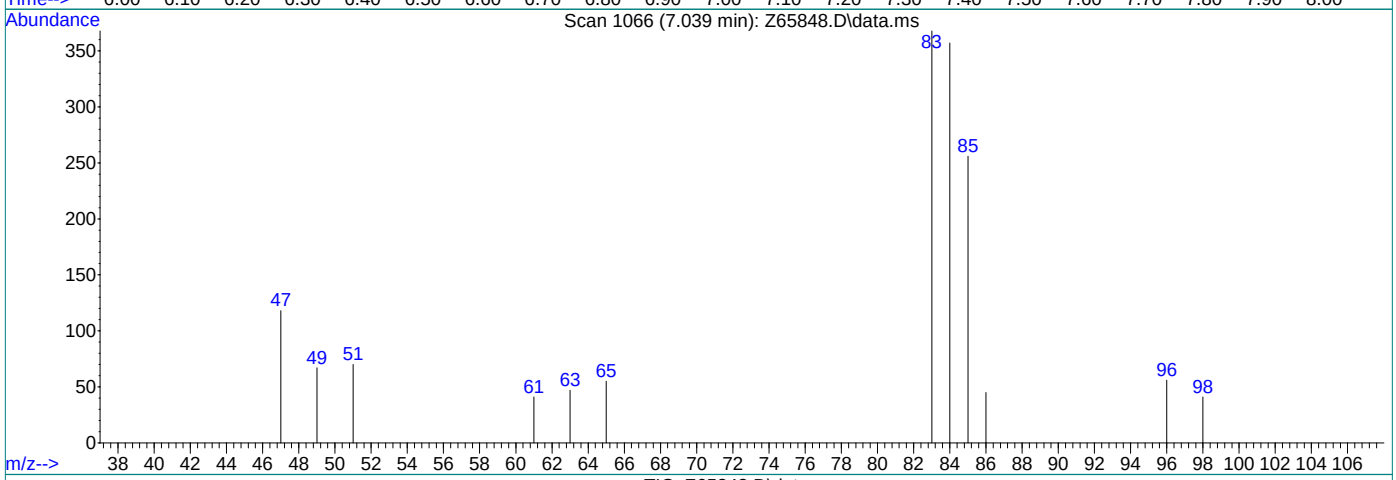
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.57
47.00	43.30	32.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49709,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:25:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65848.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.10ug/L m

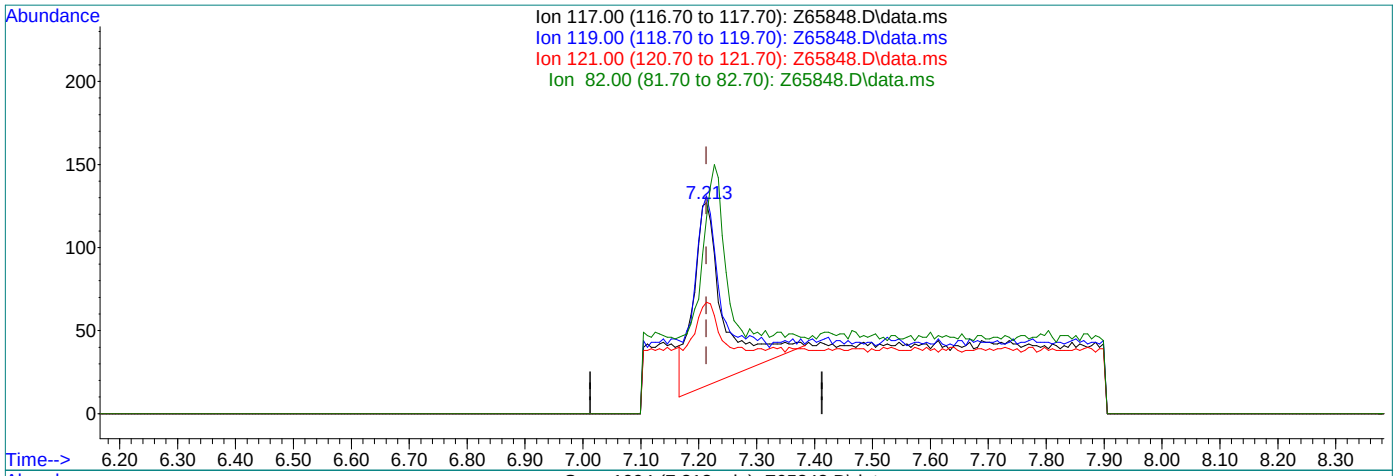
response 849

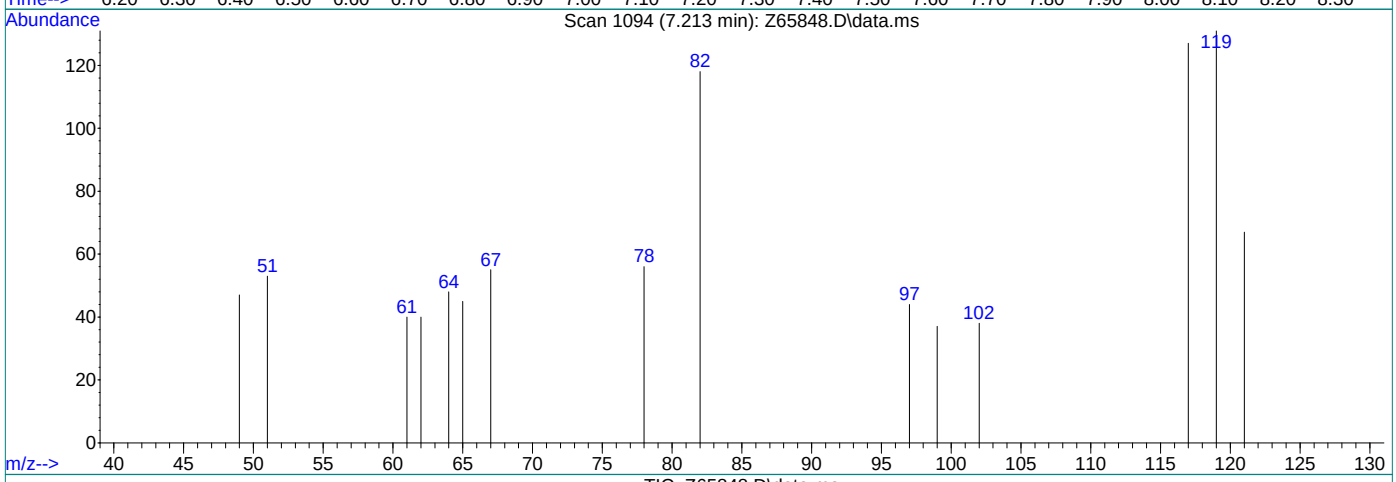
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.57
47.00	43.30	32.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49709,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:25:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65848.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.07ug/L

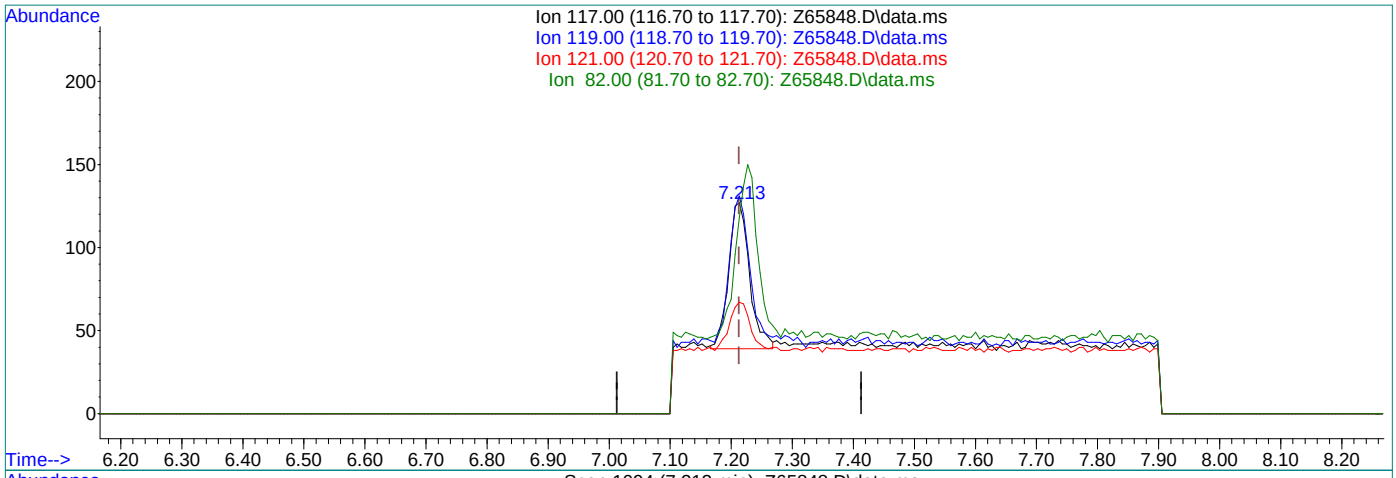
response 408

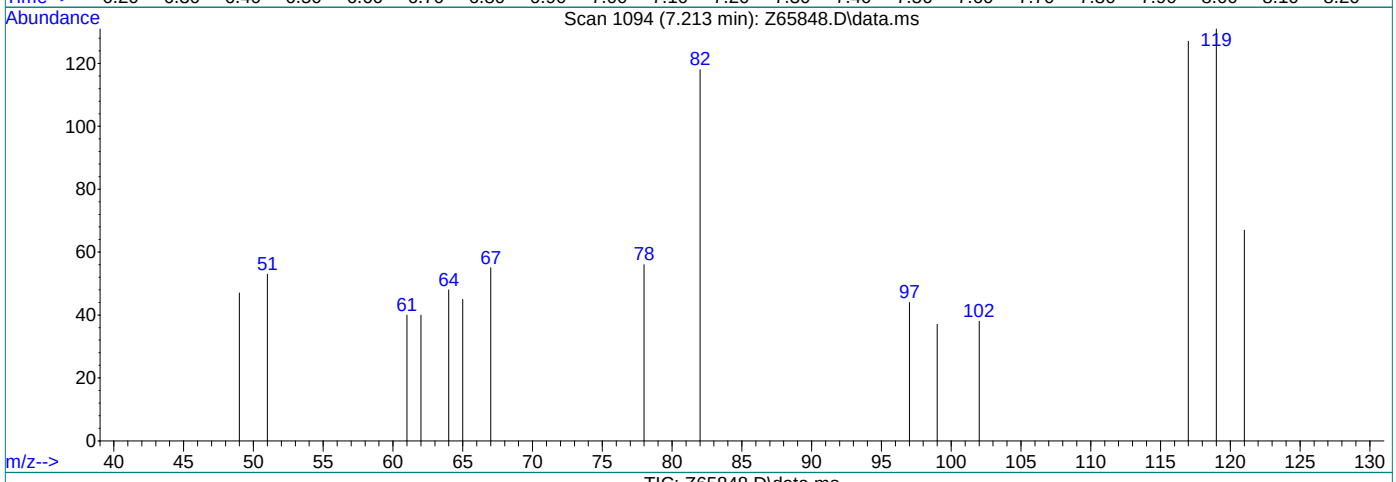
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.49
121.00	31.60	32.56
82.00	24.20	83.72#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65848.D
Acq On : 10 Sep 2021 6:34 pm
Operator : CHARLENG
Sample : FA88606-8
Misc : MS49709,VZ2590,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 08:25:08 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65848.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.04ug/L m

response 210

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	103.15
121.00	31.60	52.76
82.00	24.20	92.91#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49711,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:38:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

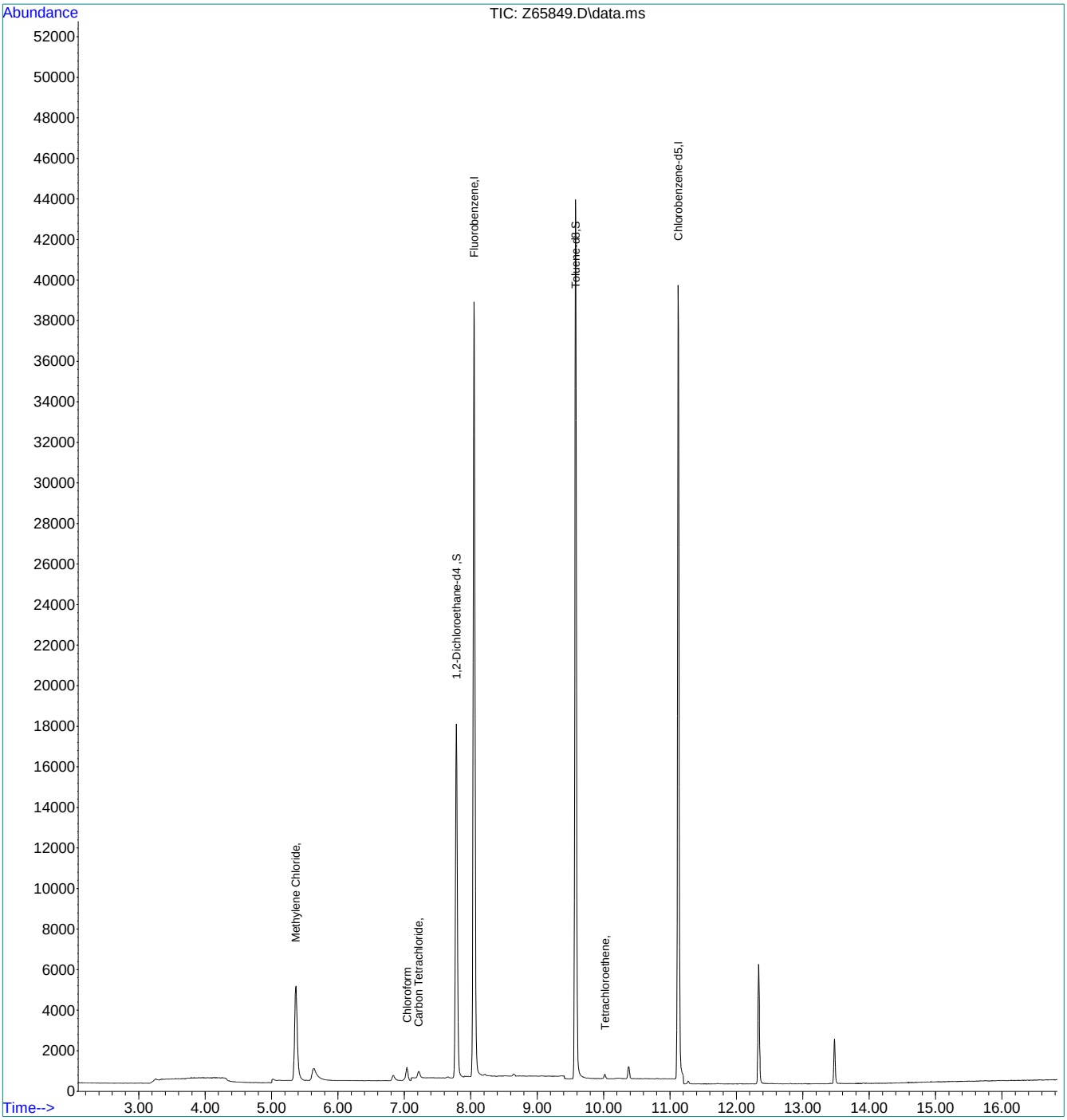
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	47095	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40066	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17046	5.36	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 107.20%			
19) Toluene-d8	9.577	98	44451	4.59	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4525	0.64	ug/L	# 61
9) Chloroform	7.039	83	685m	0.08	ug/L	
10) Carbon Tetrachloride	7.213	117	245m	0.04	ug/L	
21) Tetrachloroethene	10.022	166	106	0.02	ug/L	# 93

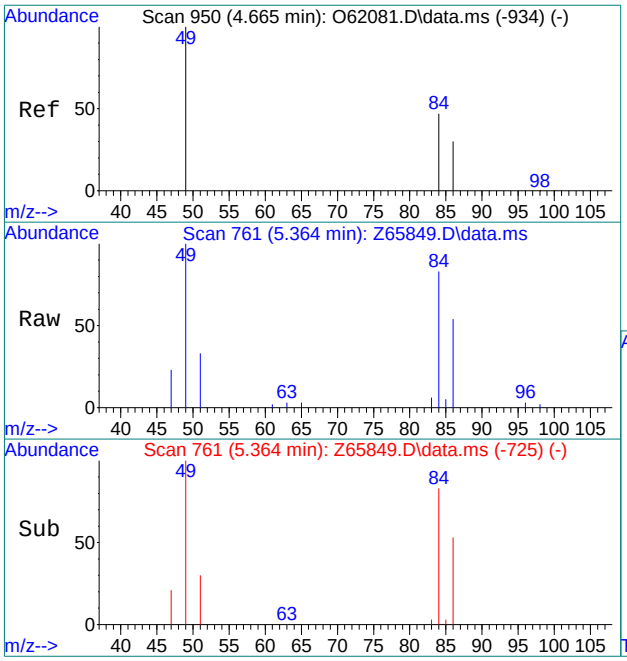
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49711,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:38:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

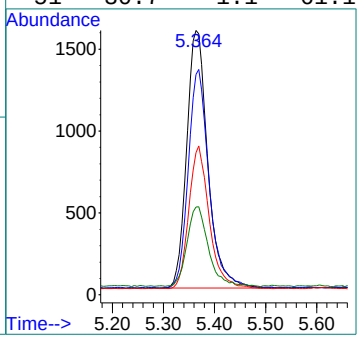


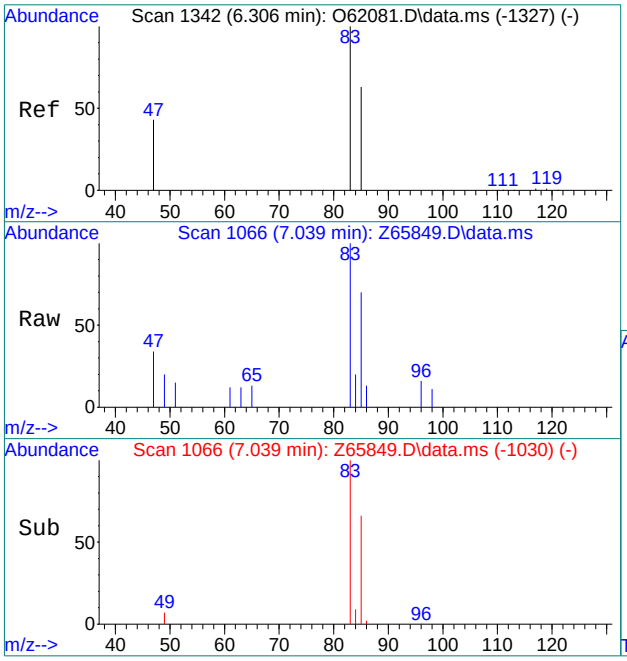


#5
Methylene Chloride
Concen: 0.64 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65849.D
Acq: 10 Sep 2021 6:54 pm

Tgt Ion: 49 Resp: 4525

Ion	Ratio	Lower	Upper
49	100		
84	82.9	13.9	73.9#
86	52.6	0.0	58.0
51	30.7	1.1	61.1

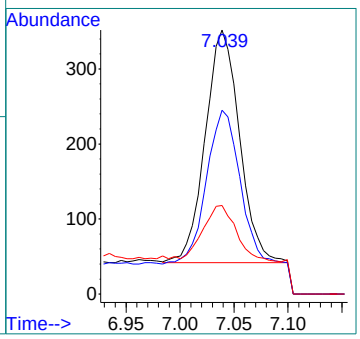


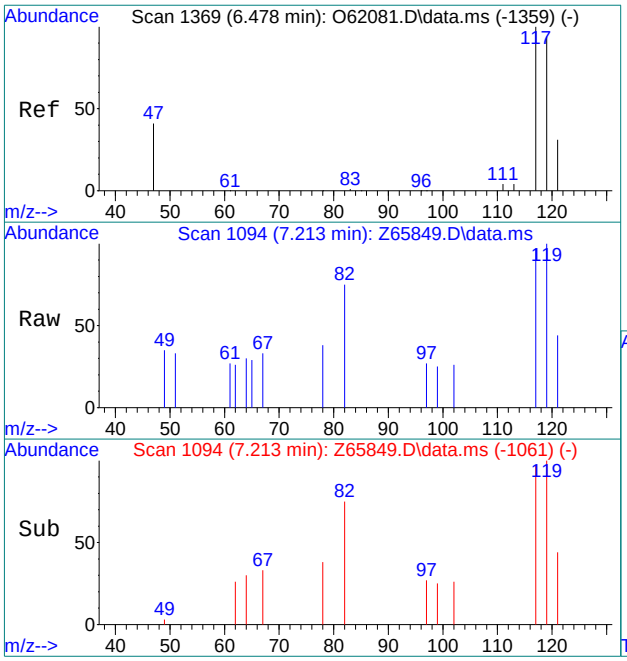


#9
Chloroform
Concen: 0.08 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65849.D
Acq: 10 Sep 2021 6:54 pm

Tgt Ion: 83 Resp: 685

Ion	Ratio	Lower	Upper
83	100		
85	69.6	34.3	94.3
47	33.5	13.3	73.3

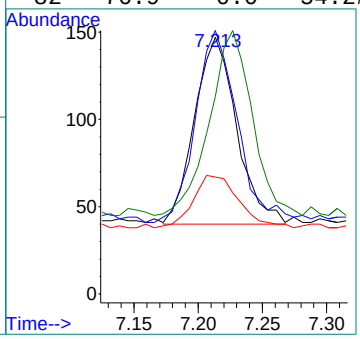


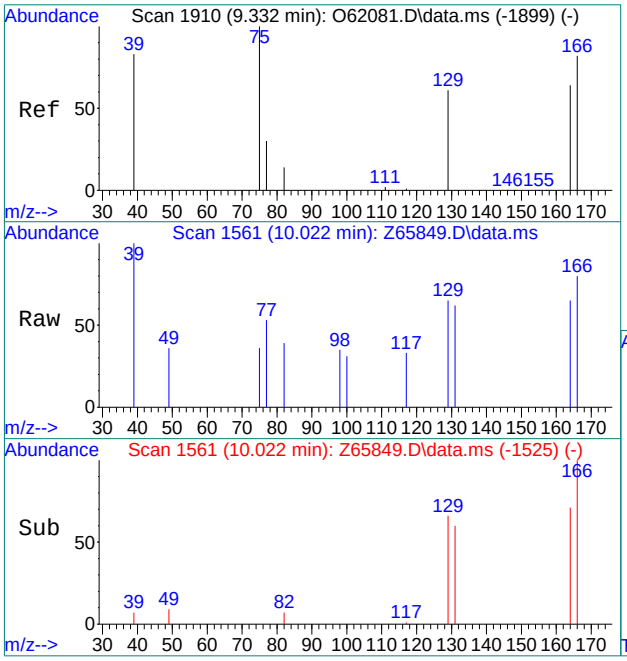


#10
Carbon Tetrachloride
Concen: 0.04 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65849.D
Acq: 10 Sep 2021 6:54 pm

Tgt Ion:117 Resp: 245

Ion	Ratio	Lower	Upper
117	100		
119	102.7	64.8	124.8
121	45.6	1.6	61.6
82	76.9	0.0	54.2#

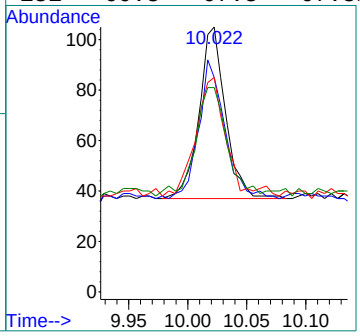




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65849.D
Acq: 10 Sep 2021 6:54 pm

Tgt Ion:166 Resp: 106

Ion	Ratio	Lower	Upper
166	100		
164	69.1	46.5	106.5
129	69.1	36.5	96.5
131	60.3	67.3	67.3#



Manual Integration Approval Summary

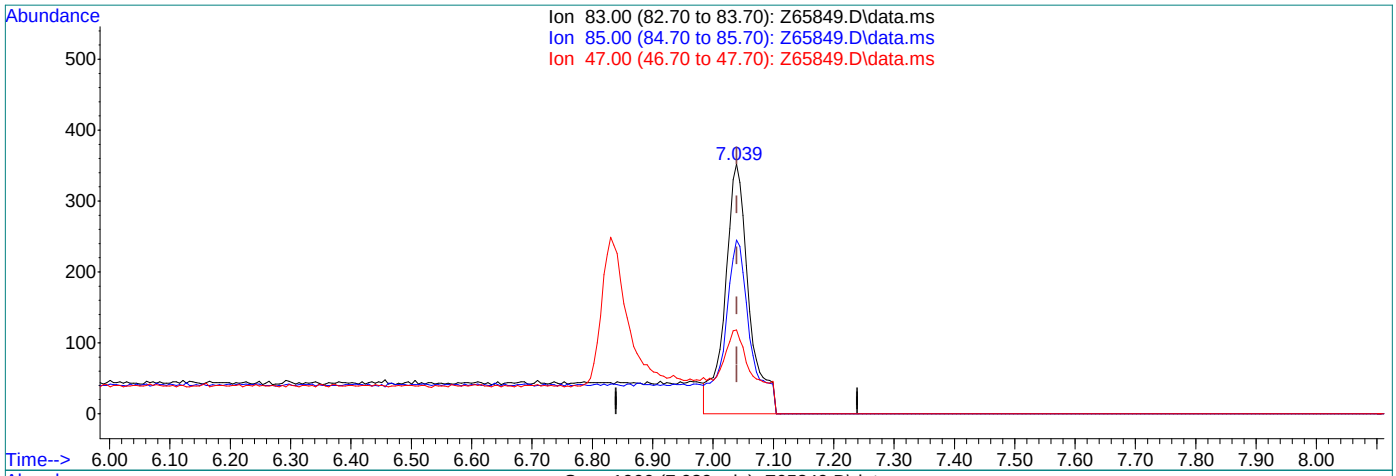
Sample Number: FA88606-9
Lab FileID: Z65849.D
Injection Time: 09/10/21 18:54
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

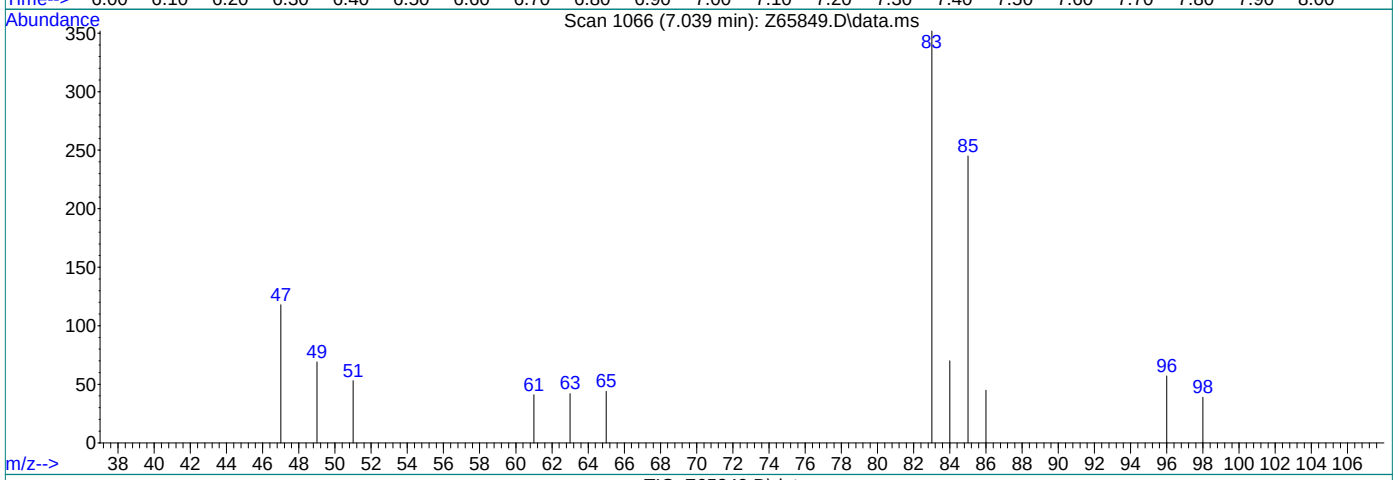
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49709,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:25:10 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65849.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.12ug/L

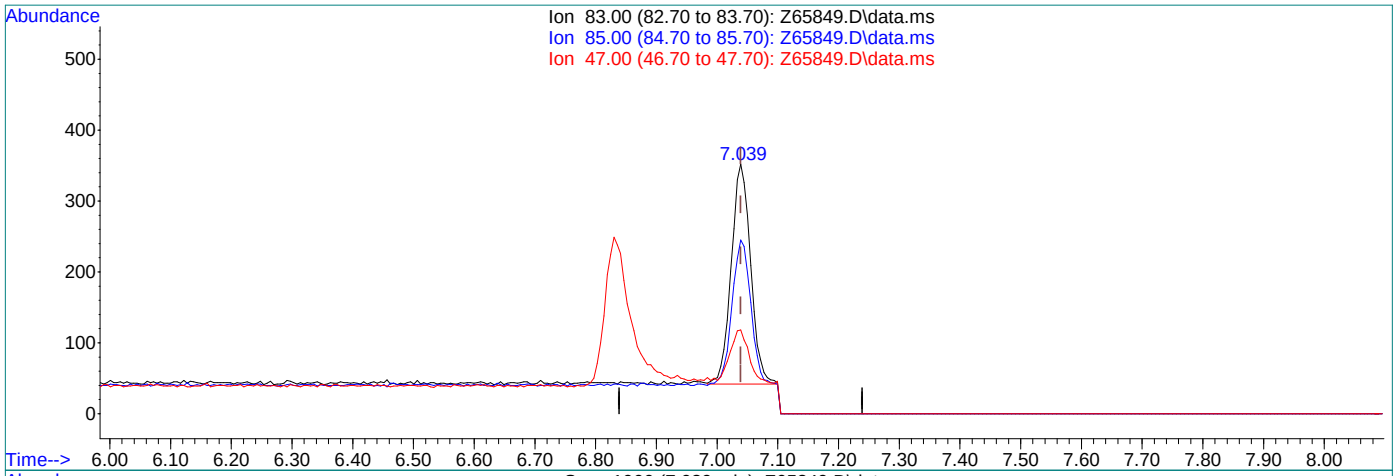
response 985

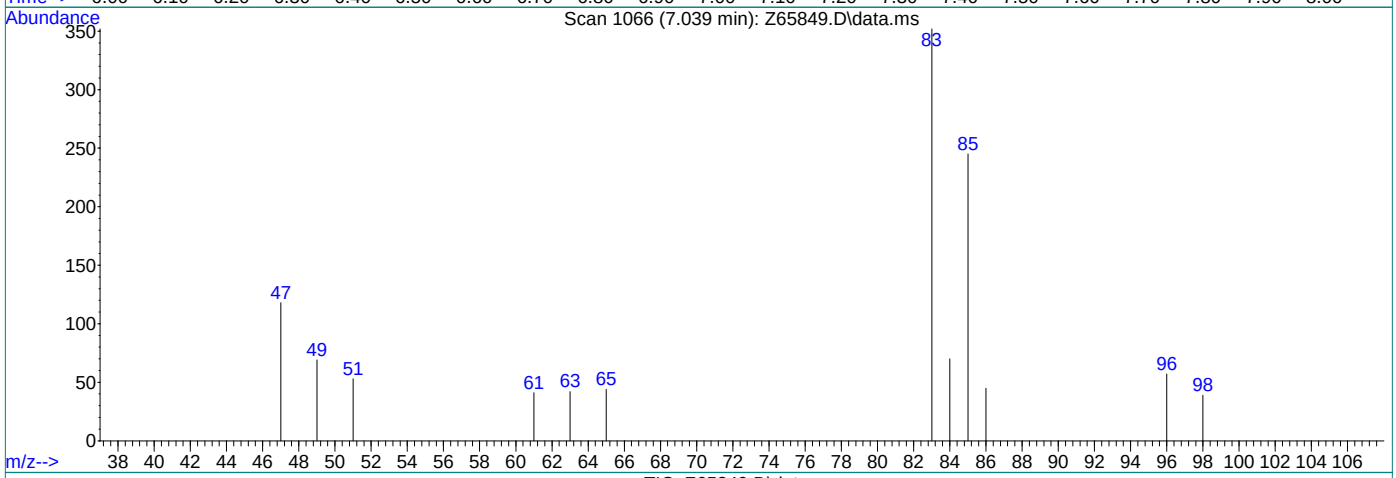
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.60
47.00	43.30	33.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49709,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:25:10 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65849.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.08ug/L m

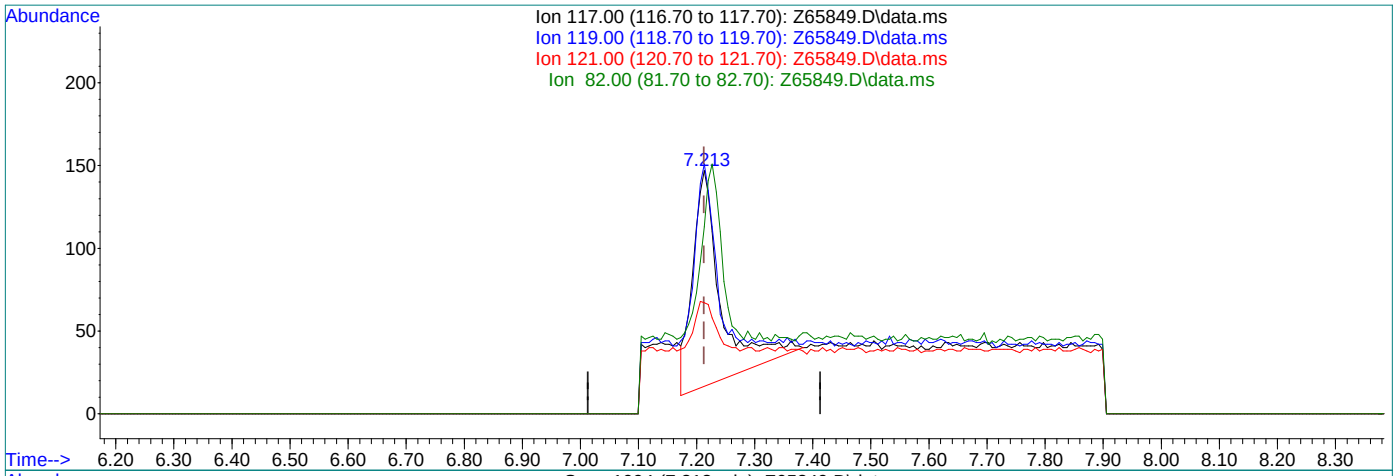
response 685

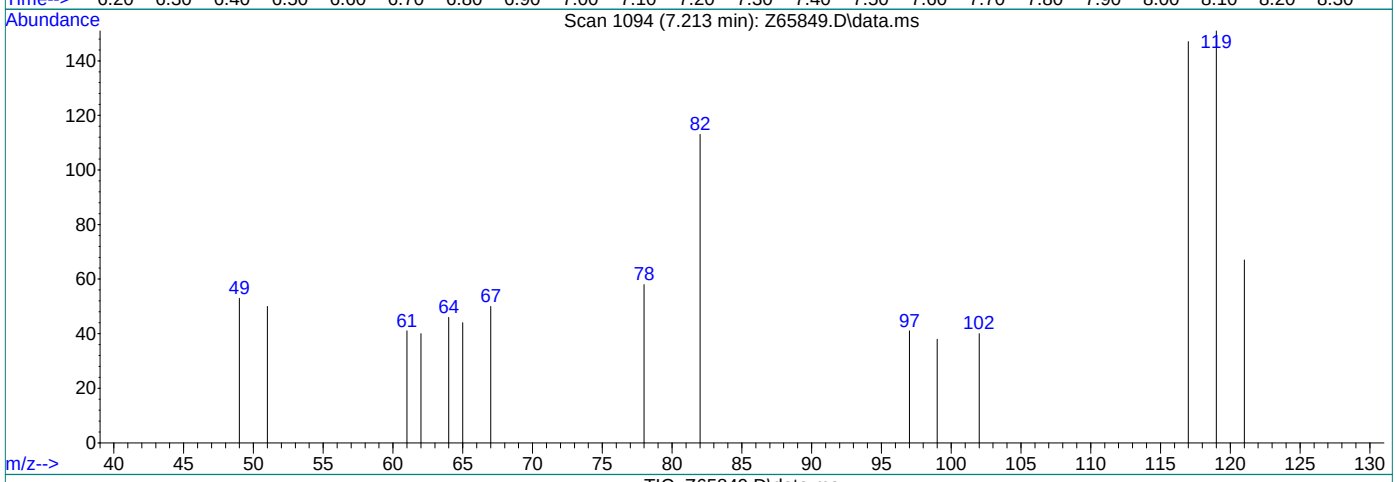
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	69.60
47.00	43.30	33.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49709,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:25:10 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65849.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.08ug/L

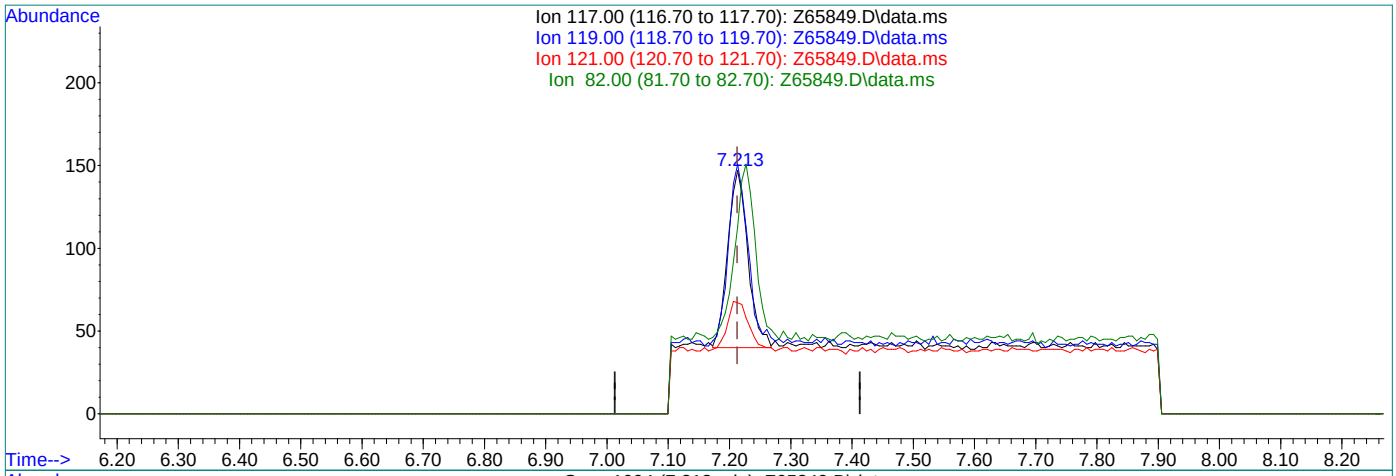
response 440

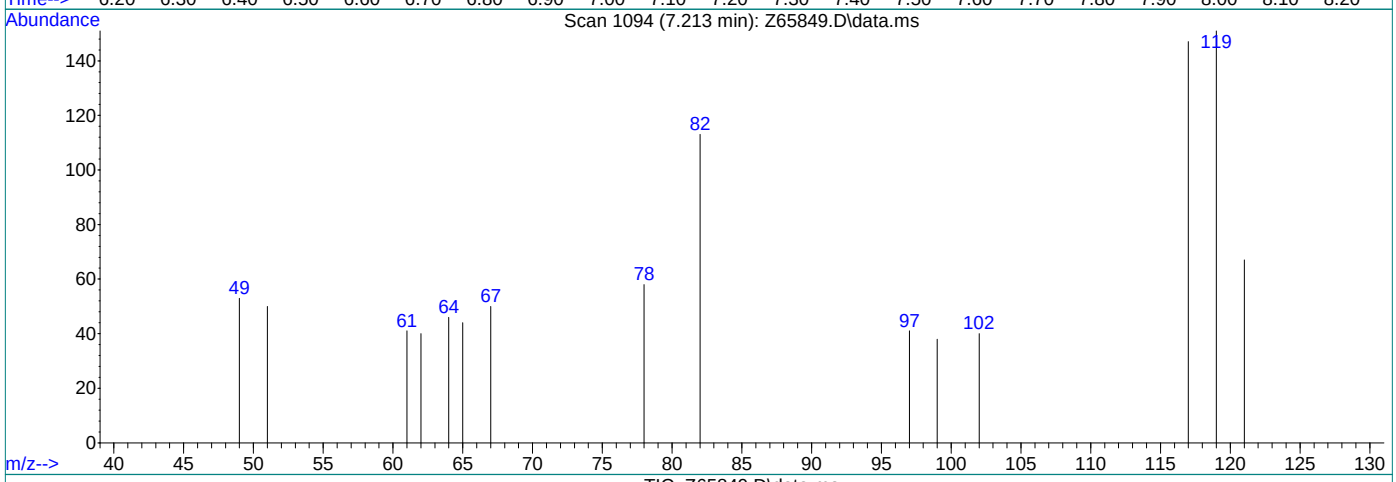
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	101.87
121.00	31.60	27.10
82.00	24.20	62.62#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65849.D
Acq On : 10 Sep 2021 6:54 pm
Operator : CHARLENG
Sample : FA88606-9
Misc : MS49709,VZ2590,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 11 08:25:10 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65849.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.04ug/L m

response 245

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.72
121.00	31.60	45.58
82.00	24.20	76.87#

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49711,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:39:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	49531	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	38610	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17592	5.26	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.20%			
19) Toluene-d8	9.577	98	41778	4.47	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4750	0.64	ug/L	# 63
9) Chloroform	7.039	83	558m	0.06	ug/L	
10) Carbon Tetrachloride	7.213	117	1337m	0.23	ug/L	
21) Tetrachloroethene	10.022	166	101	0.02	ug/L	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

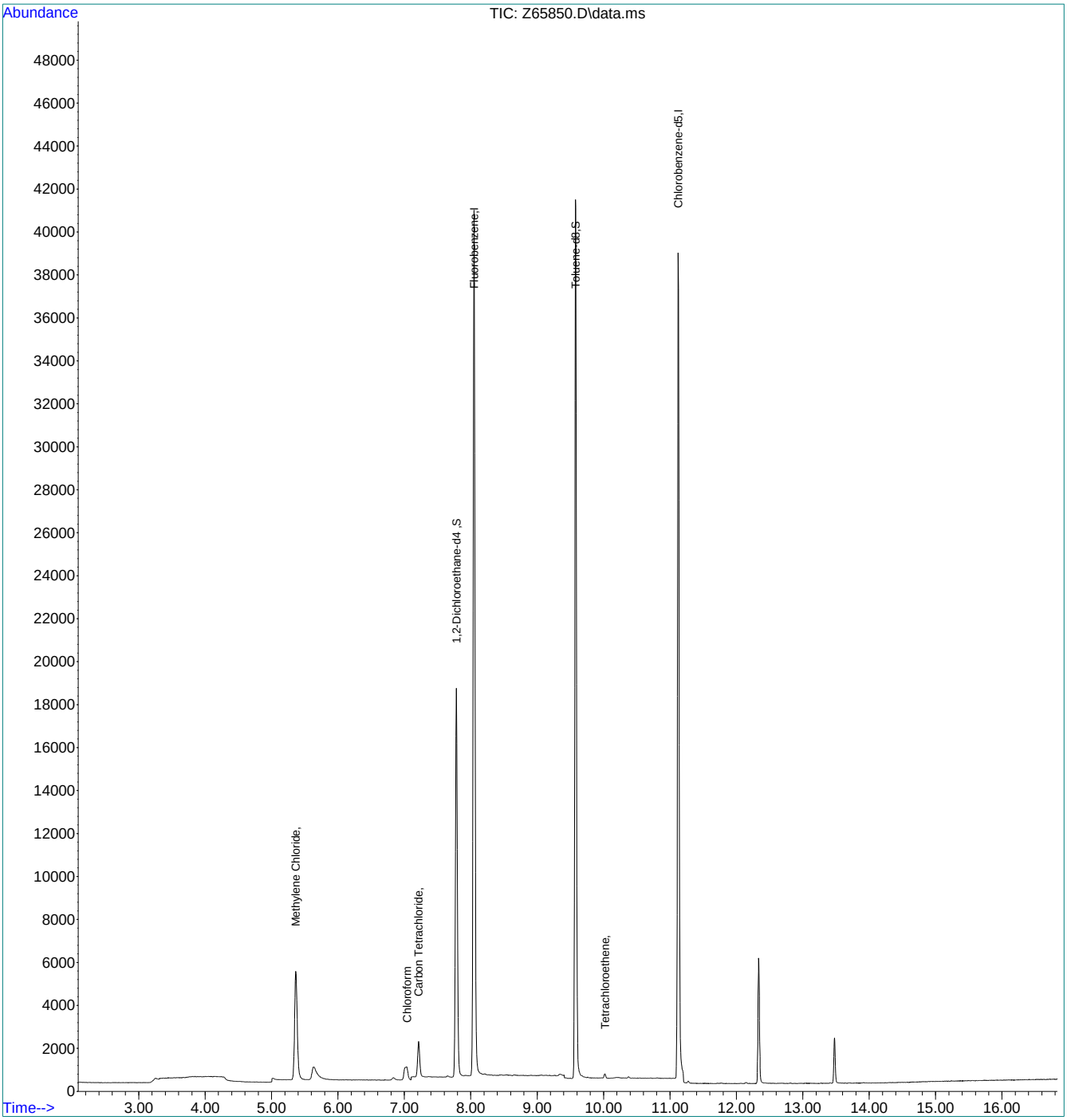
7.1.10

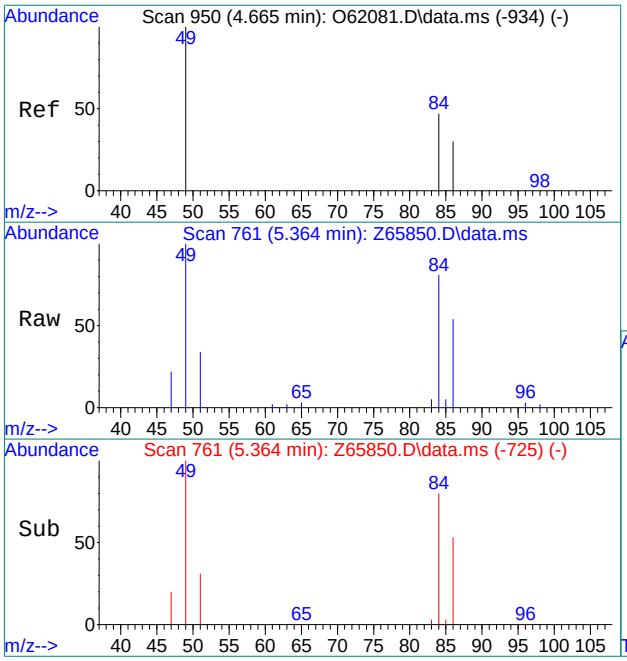
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49711,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:39:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

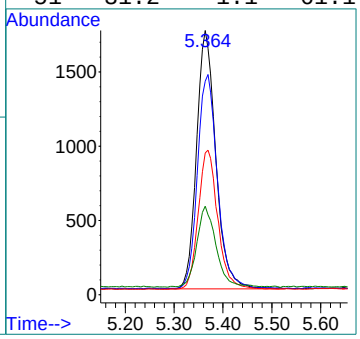


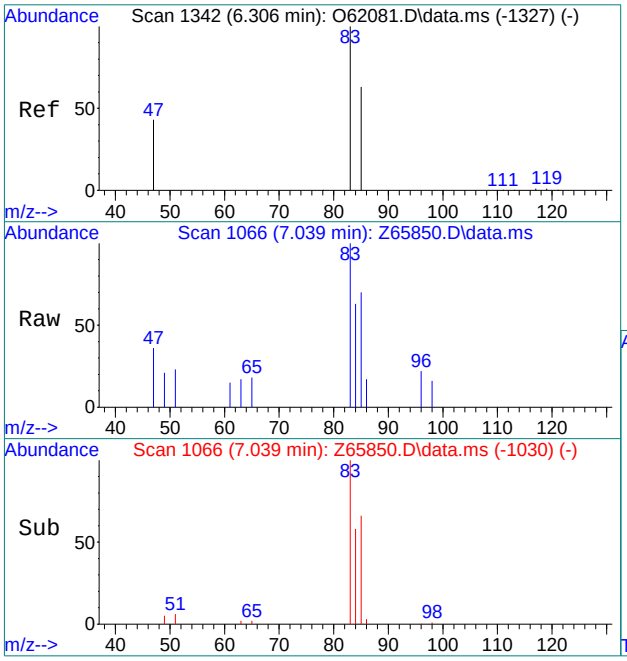


#5
Methylene Chloride
Concen: 0.64 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65850.D
Acq: 10 Sep 2021 7:14 pm

Tgt Ion: 49 Resp: 4750

Ion	Ratio	Lower	Upper
49	100		
84	80.1	13.9	73.9#
86	52.7	0.0	58.0
51	31.2	1.1	61.1

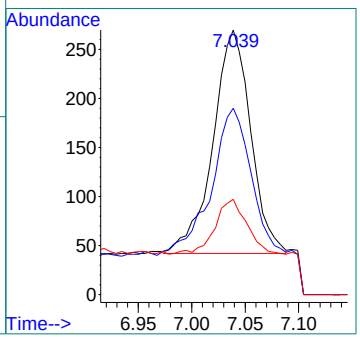


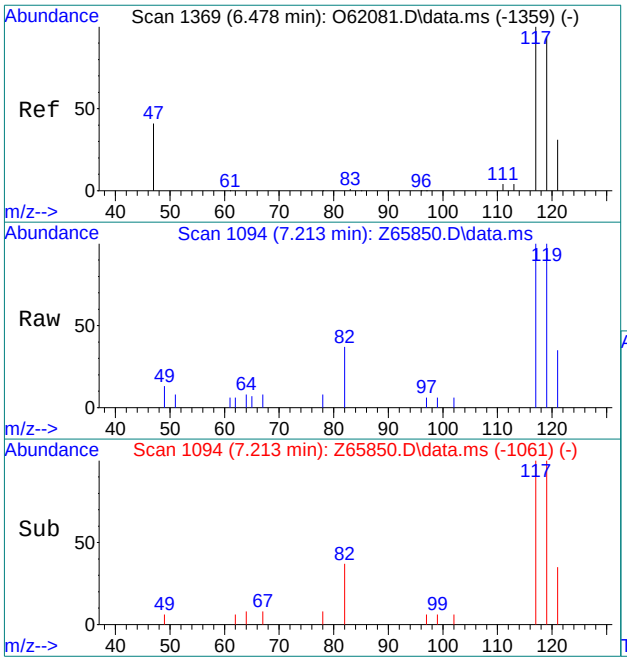


#9
Chloroform
Concen: 0.06 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65850.D
Acq: 10 Sep 2021 7:14 pm

Tgt Ion: 83 Resp: 558

Ion	Ratio	Lower	Upper
83	100		
85	70.4	34.3	94.3
47	35.9	13.3	73.3

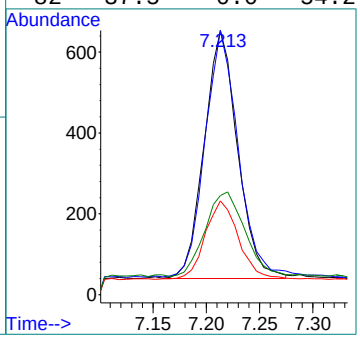


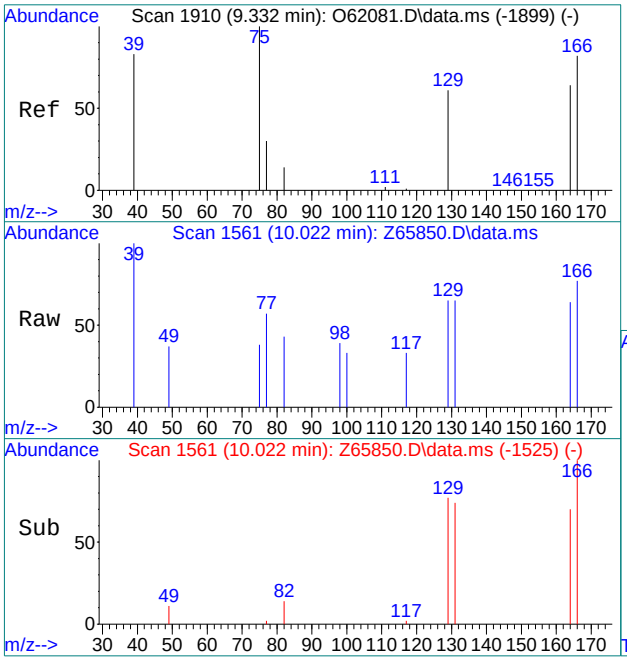


#10
Carbon Tetrachloride
Concen: 0.23 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65850.D
Acq: 10 Sep 2021 7:14 pm

Tgt Ion:117 Resp: 1337

Ion	Ratio	Lower	Upper
117	100		
119	100.0	64.8	124.8
121	35.5	1.6	61.6
82	37.5	0.0	54.2

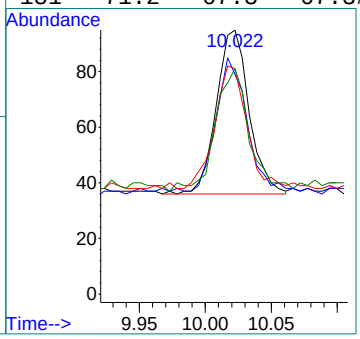




#21
Tetrachloroethene
Concen: 0.02 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65850.D
Acq: 10 Sep 2021 7:14 pm

Tgt Ion:166 Resp: 101

Ion	Ratio	Lower	Upper
166	100		
164	69.5	46.5	106.5
129	72.9	36.5	96.5
131	71.2	67.3	67.3#



Manual Integration Approval Summary

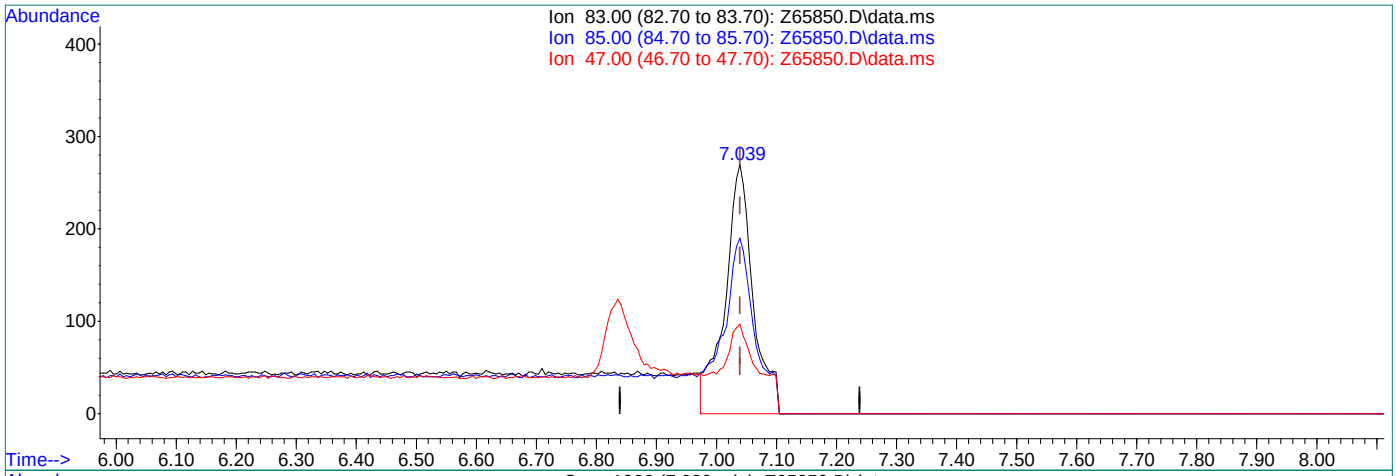
Sample Number: FA88606-10
Lab FileID: Z65850.D
Injection Time: 09/10/21 19:14
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

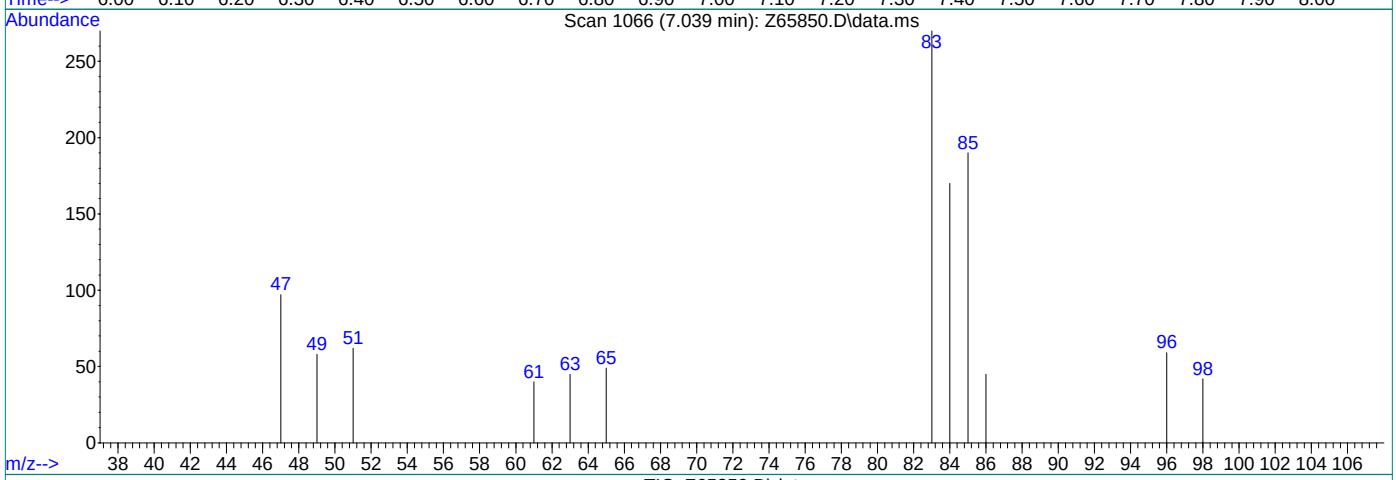
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49709,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:25:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65850.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.10ug/L

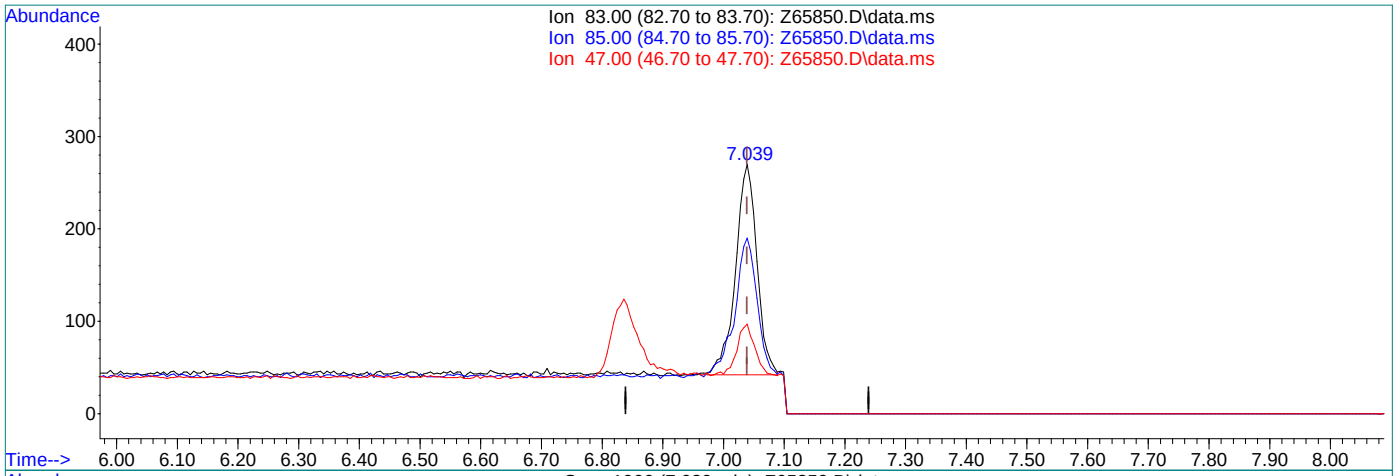
response 887

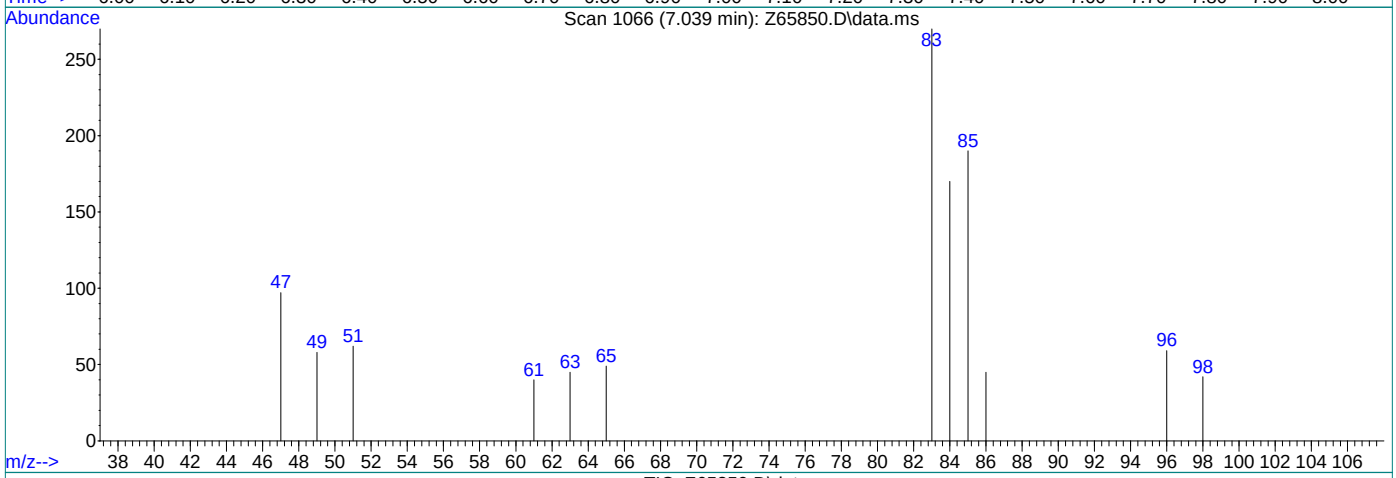
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	70.37
47.00	43.30	35.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49709,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:25:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65850.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.06ug/L m

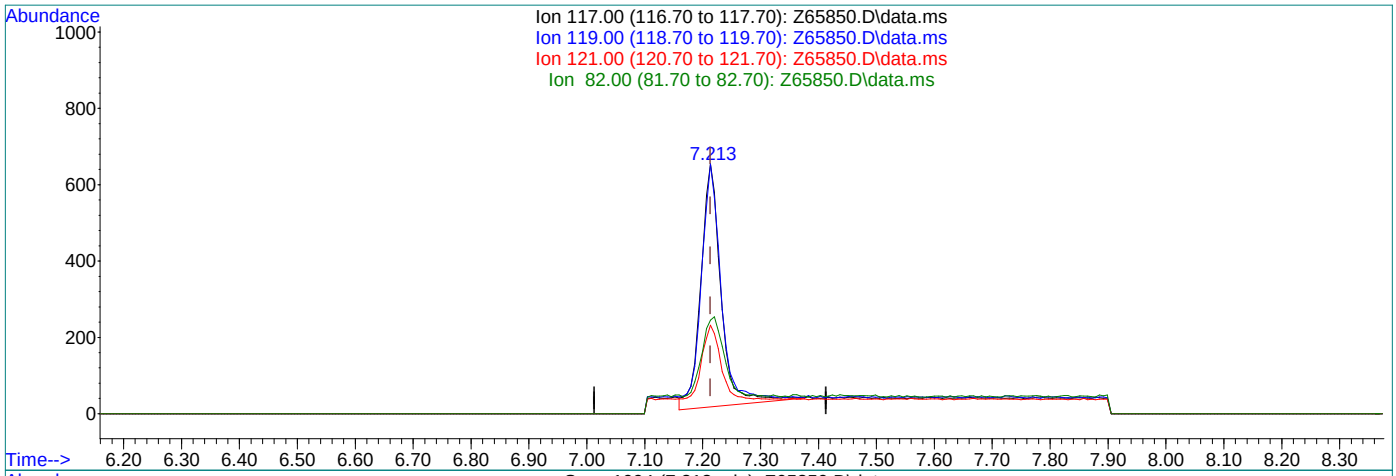
response 558

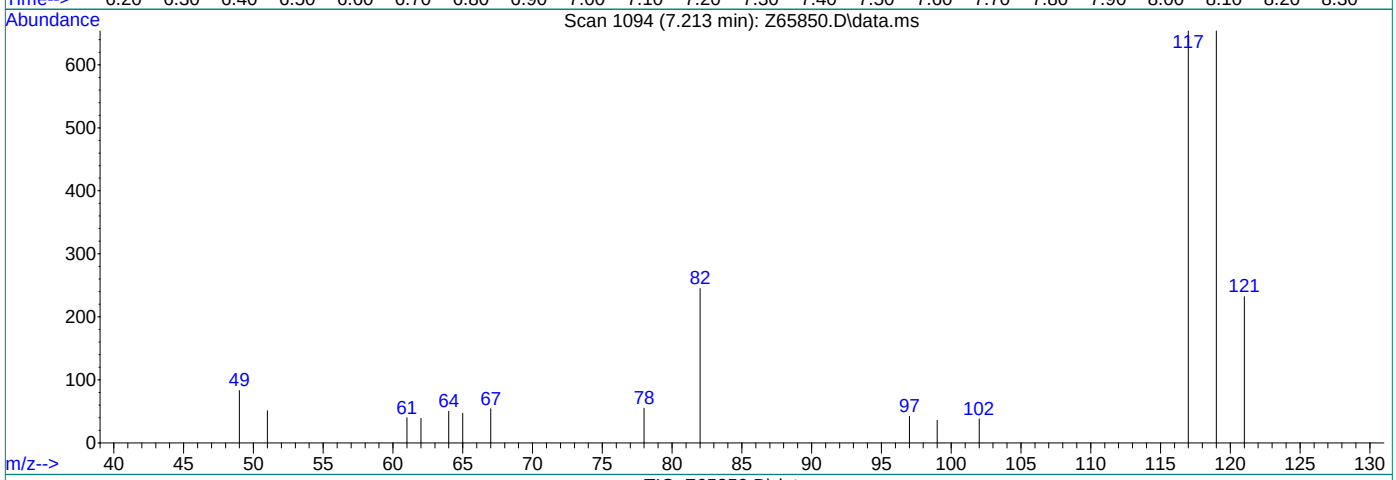
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	70.37
47.00	43.30	35.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49709,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:25:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65850.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.27ug/L

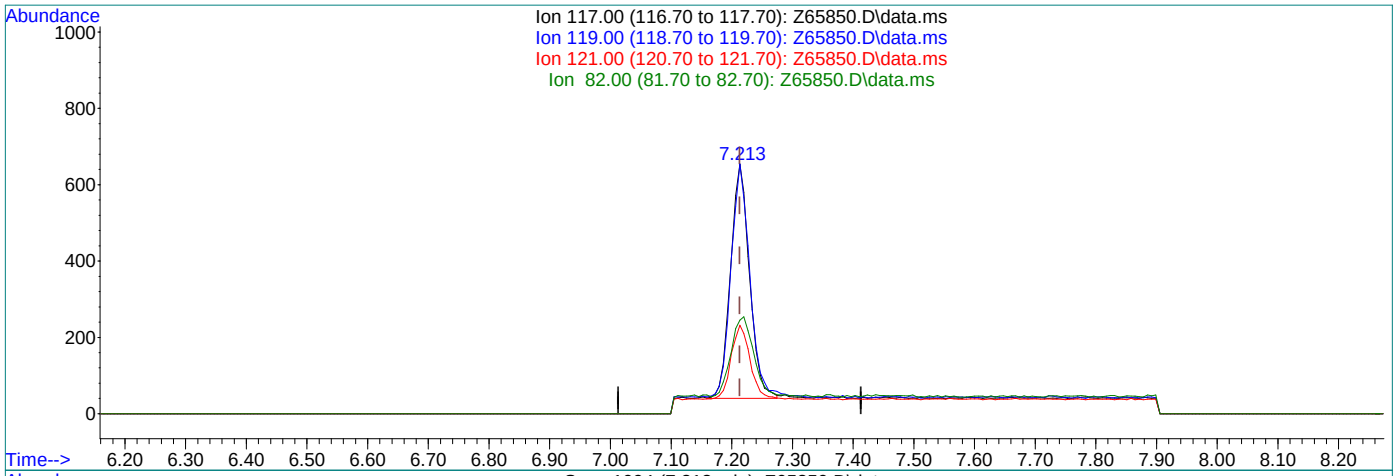
response 1547

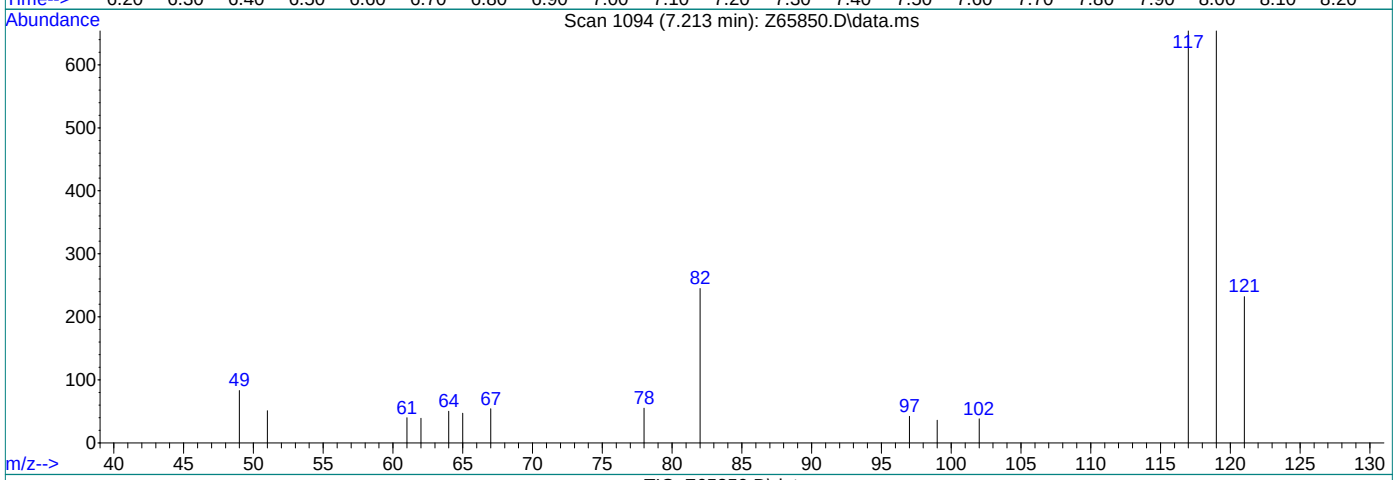
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	99.67
121.00	31.60	31.48
82.00	24.20	32.46

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65850.D
Acq On : 10 Sep 2021 7:14 pm
Operator : CHARLENG
Sample : FA88606-10
Misc : MS49709,VZ2590,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 08:25:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65850.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.23ug/L m

response 1337

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	100.00
121.00	31.60	35.47
82.00	24.20	37.46

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65851.D
Acq On : 10 Sep 2021 7:35 pm
Operator : CHARLENG
Sample : FA88606-11
Misc : MS49711,VZ2590,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 08:39:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

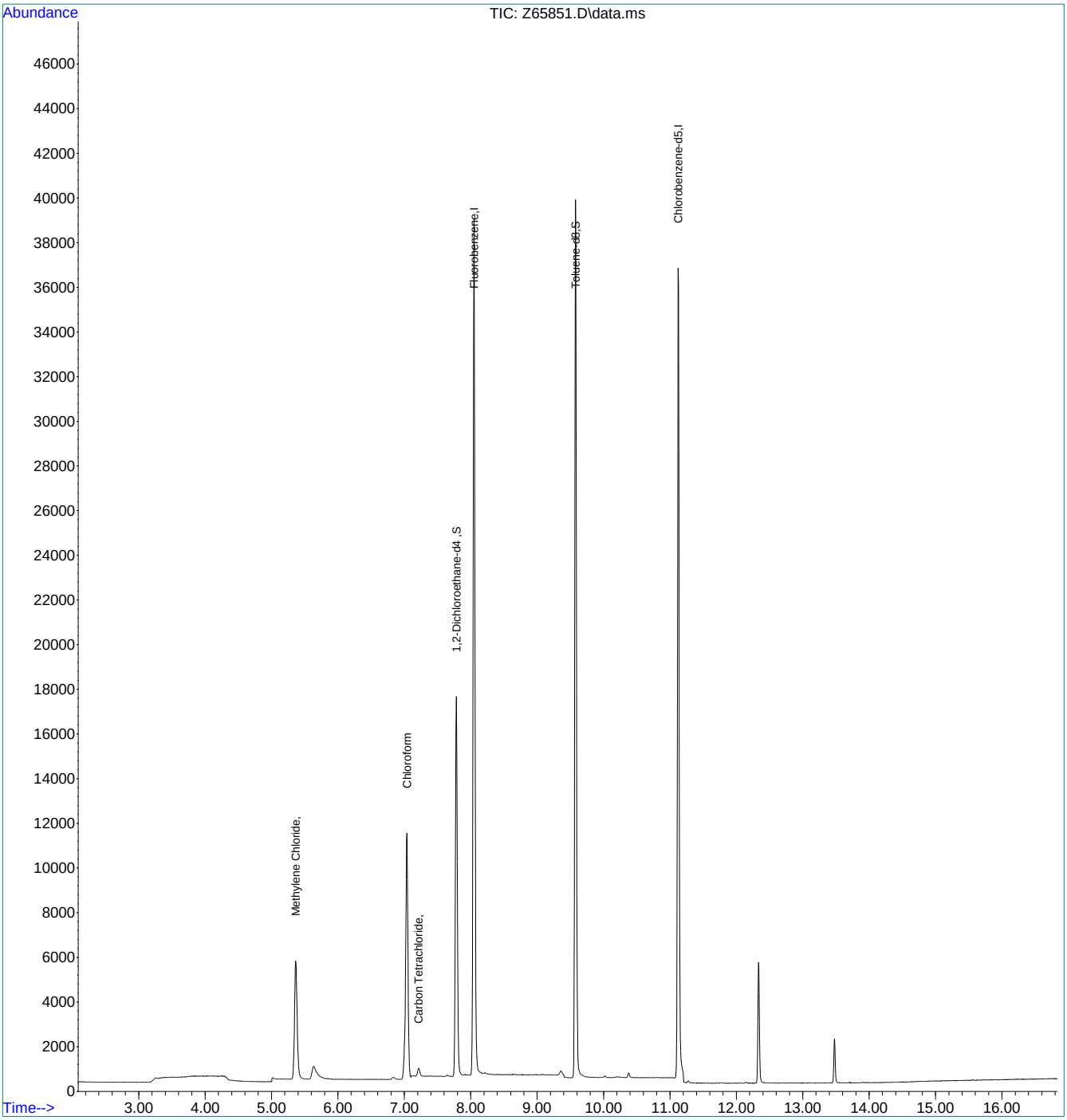
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	47010	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	36618	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	16735	5.27	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.40%			
19) Toluene-d8	9.576	98	40153	4.53	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	4935	0.70	ug/L	# 59
9) Chloroform	7.039	83	12133	1.47	ug/L	86
10) Carbon Tetrachloride	7.213	117	268m	0.05	ug/L	

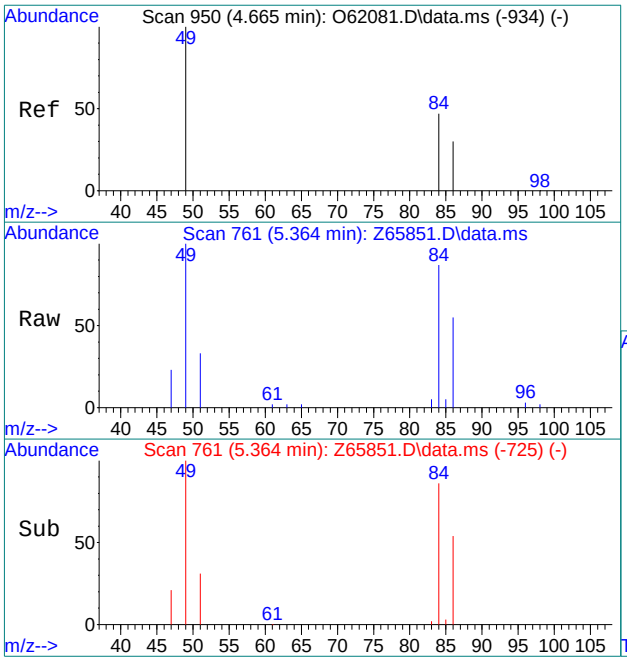
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65851.D
Acq On : 10 Sep 2021 7:35 pm
Operator : CHARLENG
Sample : FA88606-11
Misc : MS49711,VZ2590,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 08:39:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

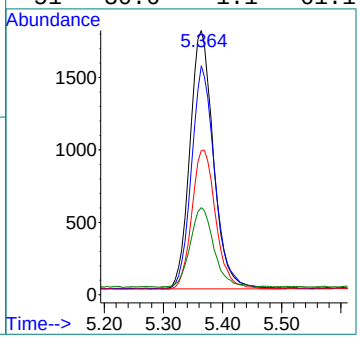


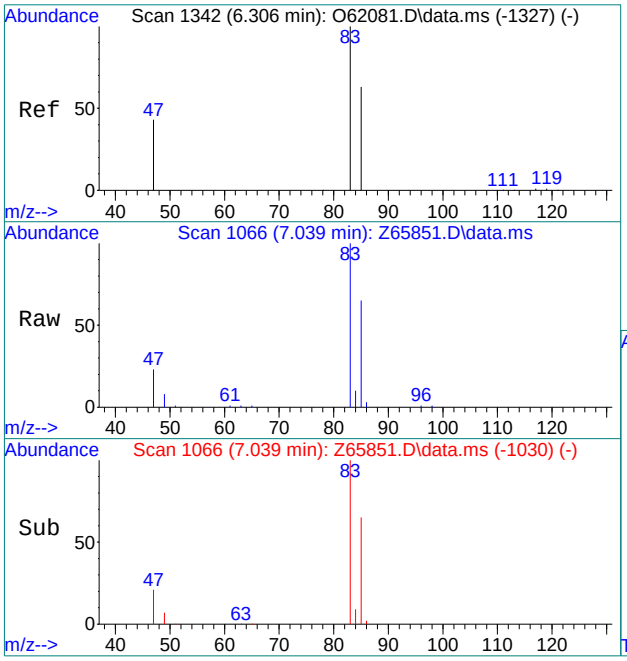


#5
Methylene Chloride
Concen: 0.70 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65851.D
Acq: 10 Sep 2021 7:35 pm

Tgt Ion: 49 Resp: 4935

Ion	Ratio	Lower	Upper
49	100		
84	86.0	13.9	73.9#
86	53.6	0.0	58.0
51	30.6	1.1	61.1

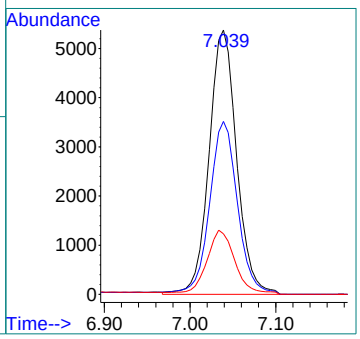


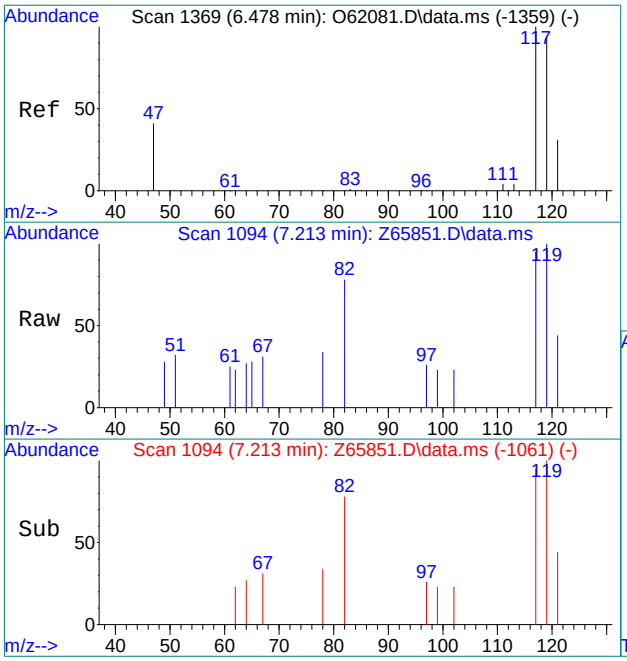


#9
Chloroform
Concen: 1.47 ug/L
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65851.D
Acq: 10 Sep 2021 7:35 pm

Tgt Ion: 83 Resp: 12133

Ion	Ratio	Lower	Upper
83	100		
85	65.4	34.3	94.3
47	22.9	13.3	73.3

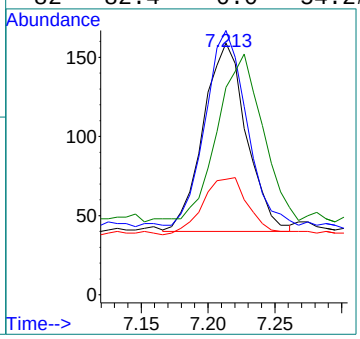




#10
Carbon Tetrachloride
Concen: 0.05 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65851.D
Acq: 10 Sep 2021 7:35 pm

Tgt Ion:117 Resp: 268

Ion	Ratio	Lower	Upper
117	100		
119	105.0	64.8	124.8
121	45.9	1.6	61.6
82	82.4	0.0	54.2#



Manual Integration Approval Summary

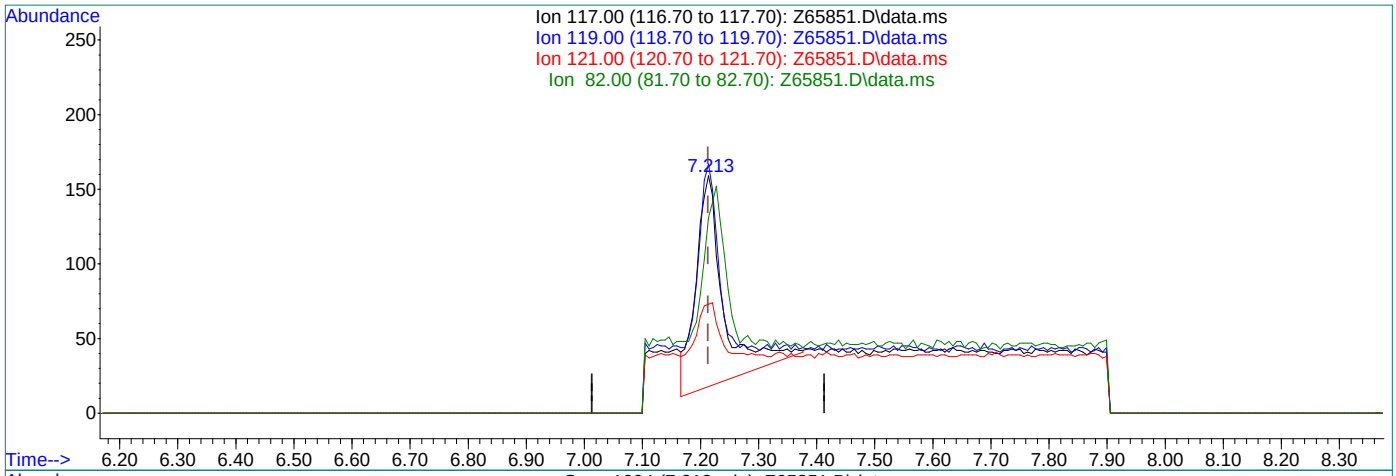
Sample Number: FA88606-11
Lab FileID: Z65851.D
Injection Time: 09/10/21 19:35
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

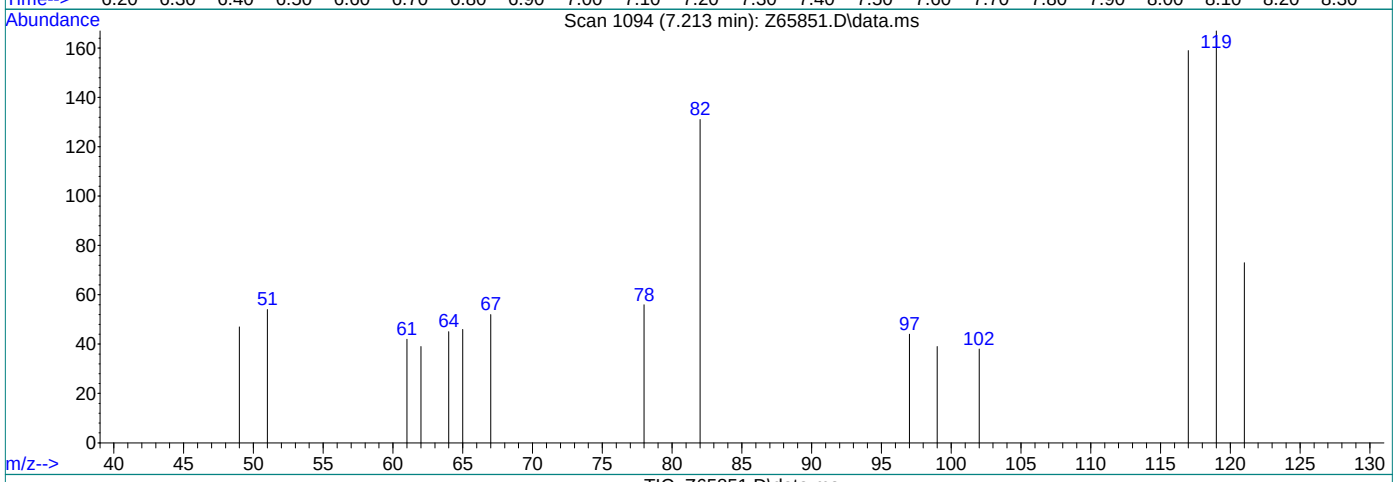
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65851.D
Acq On : 10 Sep 2021 7:35 pm
Operator : CHARLENG
Sample : FA88606-11
Misc : MS49709,VZ2590,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 08:25:14 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65851.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.08ug/L

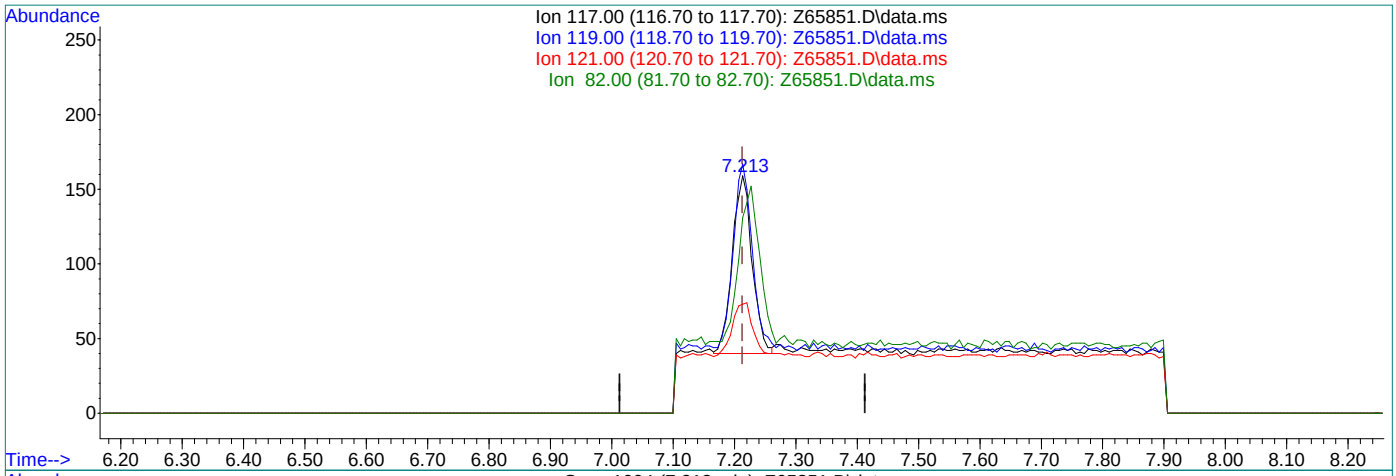
response 463

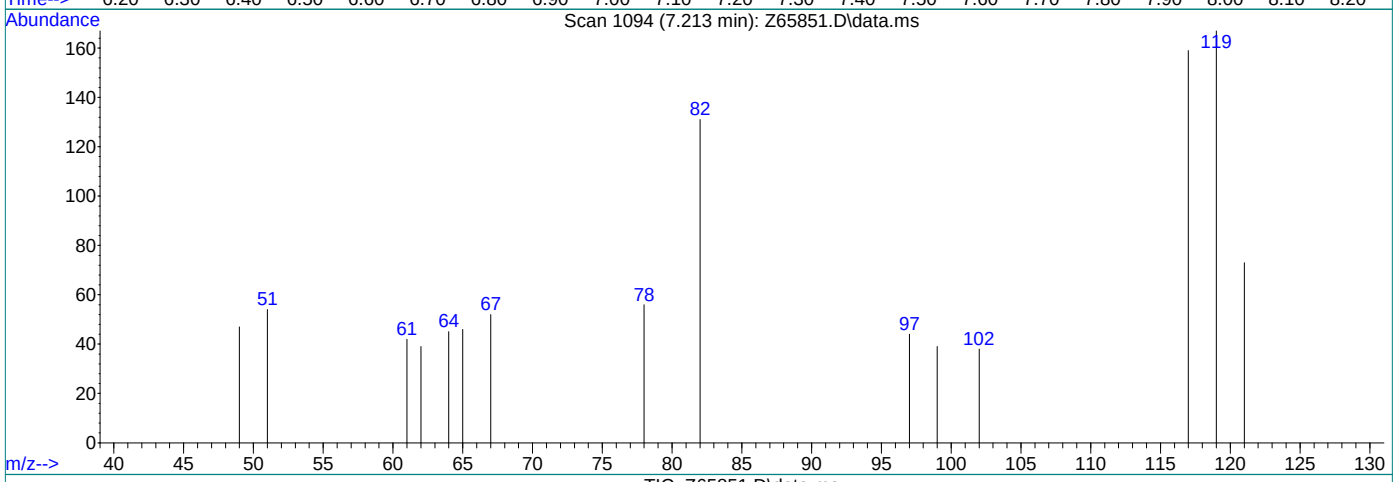
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	104.24
121.00	31.60	29.66
82.00	24.20	73.73#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65851.D
Acq On : 10 Sep 2021 7:35 pm
Operator : CHARLENG
Sample : FA88606-11
Misc : MS49709,VZ2590,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 08:25:14 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65851.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.05ug/L m

response 268

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	105.03
121.00	31.60	45.91
82.00	24.20	82.39#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65852.D
Acq On : 10 Sep 2021 7:55 pm
Operator : CHARLENG
Sample : FA88606-12
Misc : MS49711,VZ2590,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 08:39:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

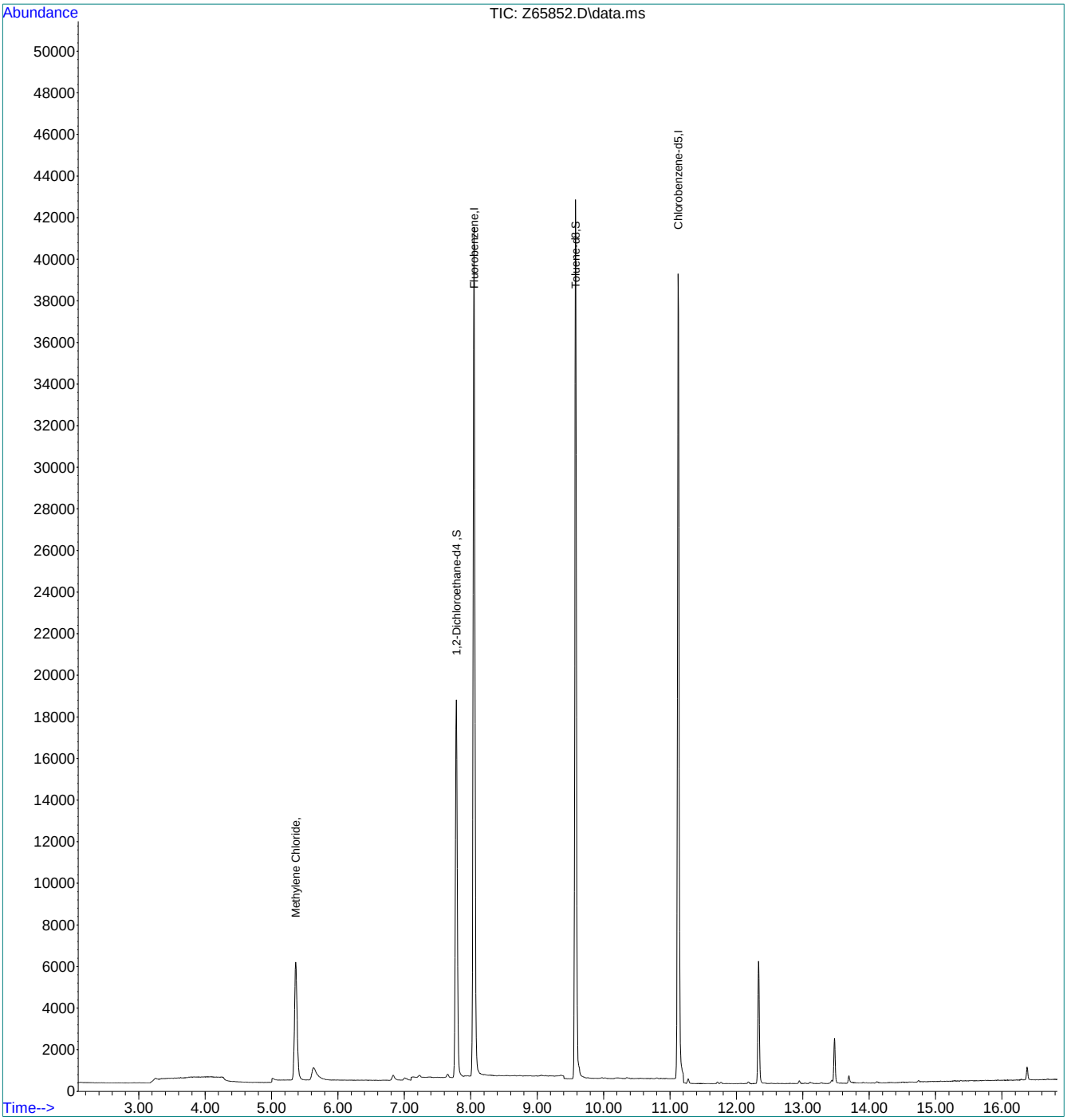
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	49981	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39066	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17758	5.26	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.20%			
19) Toluene-d8	9.576	98	42510	4.50	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.00%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	5267	0.70	ug/L	# 58

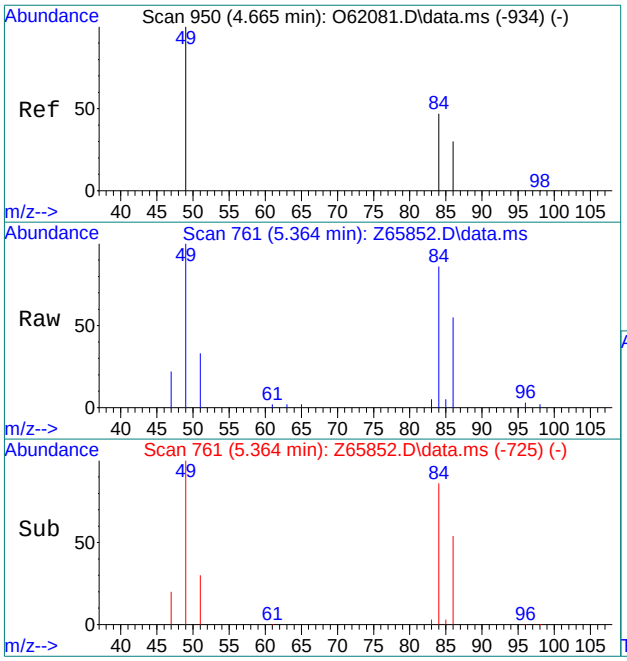
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65852.D
Acq On : 10 Sep 2021 7:55 pm
Operator : CHARLENG
Sample : FA88606-12
Misc : MS49711,VZ2590,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 08:39:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

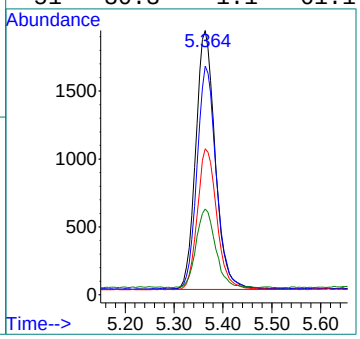




#5
Methylene Chloride
Concen: 0.70 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65852.D
Acq: 10 Sep 2021 7:55 pm

Tgt Ion: 49 Resp: 5267

Ion	Ratio	Lower	Upper
49	100		
84	85.8	13.9	73.9#
86	54.4	0.0	58.0
51	30.3	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65853.D
Acq On : 10 Sep 2021 8:15 pm
Operator : CHARLENG
Sample : FA88606-13
Misc : MS49711,VZ2590,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 13 10:50:17 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	51633	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40502	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	18366	5.27	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.40%			
19) Toluene-d8	9.577	98	43855	4.48	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6647	0.85	ug/L #	60
9) Chloroform	7.039	83	3302m	0.36	ug/L	
10) Carbon Tetrachloride	7.213	117	5297	0.88	ug/L	97
15) Trichloroethene	8.214	95	3371	0.70	ug/L	91
21) Tetrachloroethene	10.022	166	275	0.06	ug/L #	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

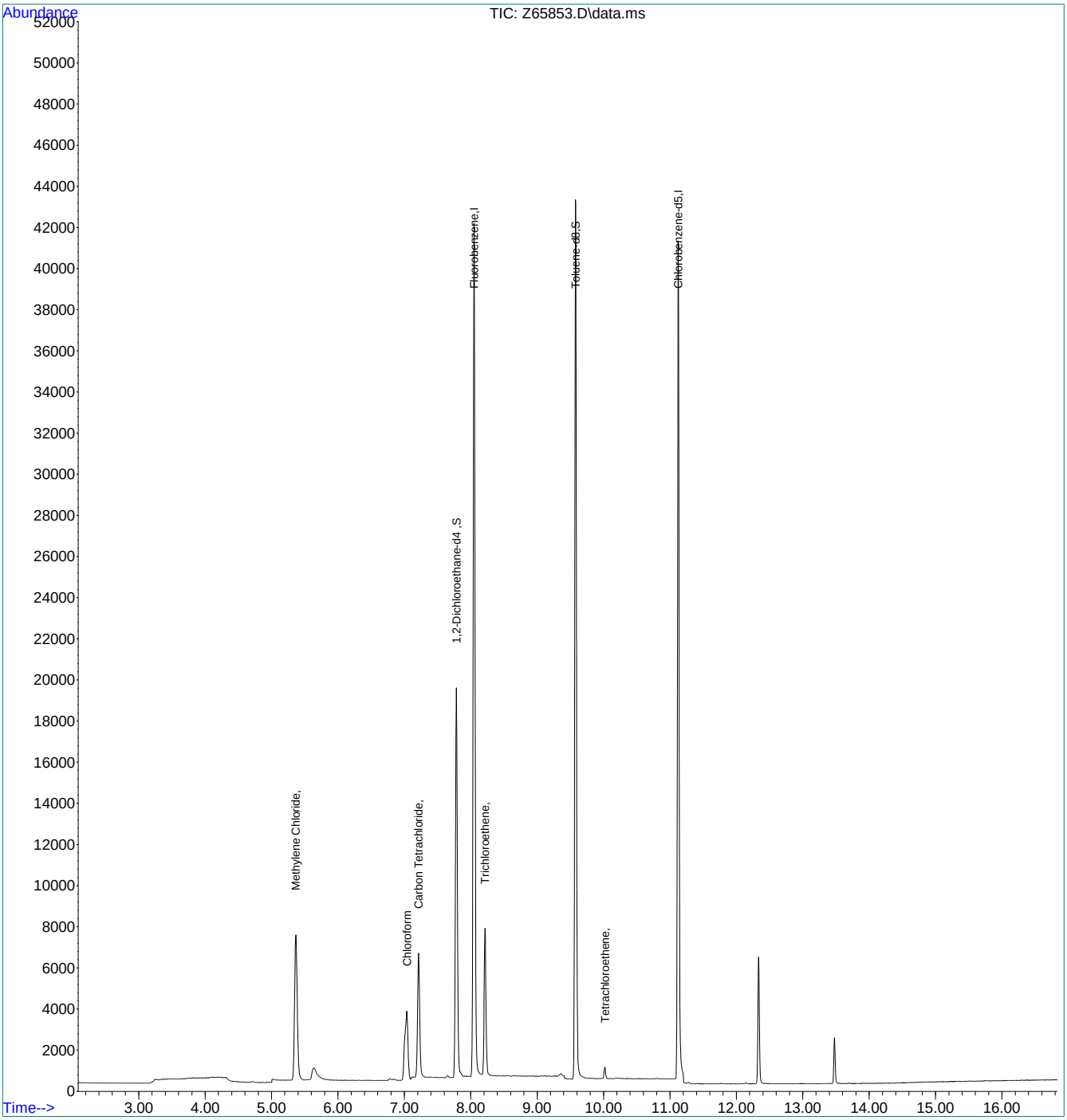
7.1.13

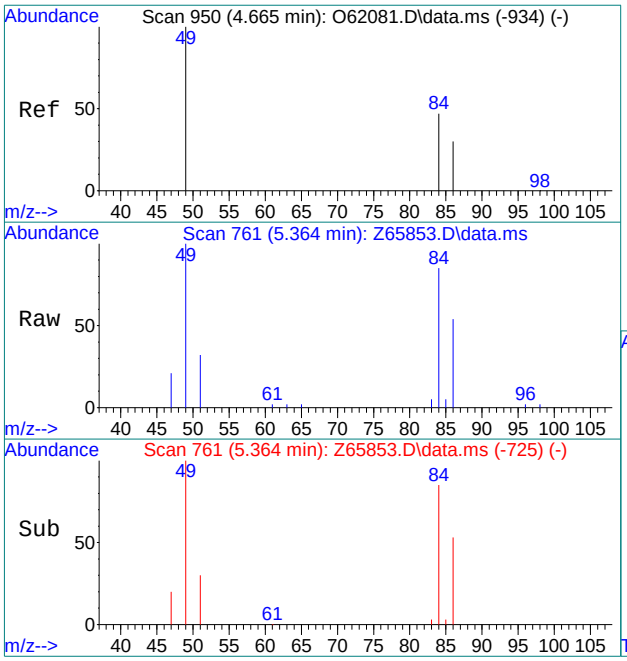
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65853.D
Acq On : 10 Sep 2021 8:15 pm
Operator : CHARLENG
Sample : FA88606-13
Misc : MS49711,VZ2590,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 13 10:50:17 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

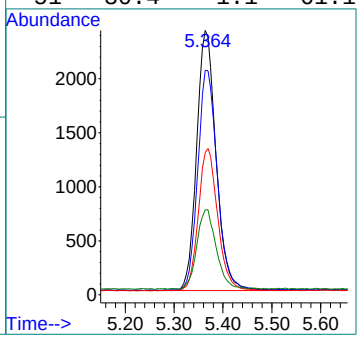


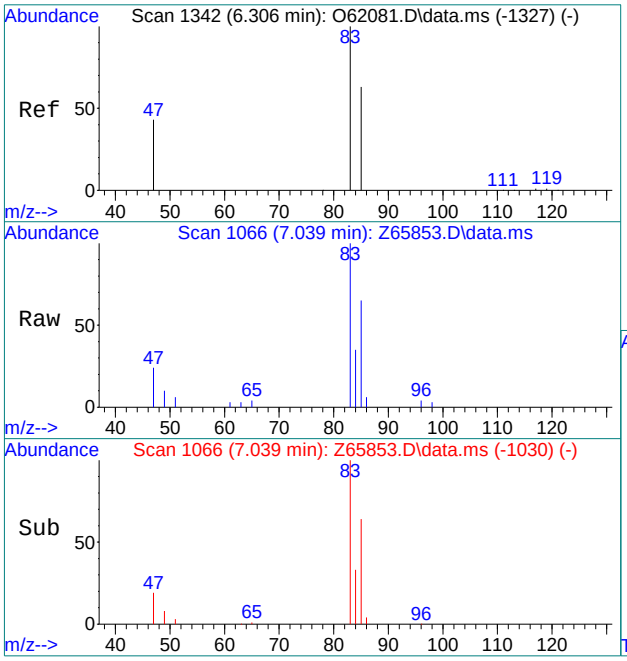


#5
Methylene Chloride
Concen: 0.85 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65853.D
Acq: 10 Sep 2021 8:15 pm

Tgt Ion: 49 Resp: 6647

Ion	Ratio	Lower	Upper
49	100		
84	84.5	13.9	73.9#
86	53.0	0.0	58.0
51	30.4	1.1	61.1

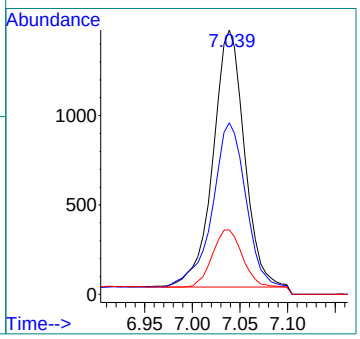


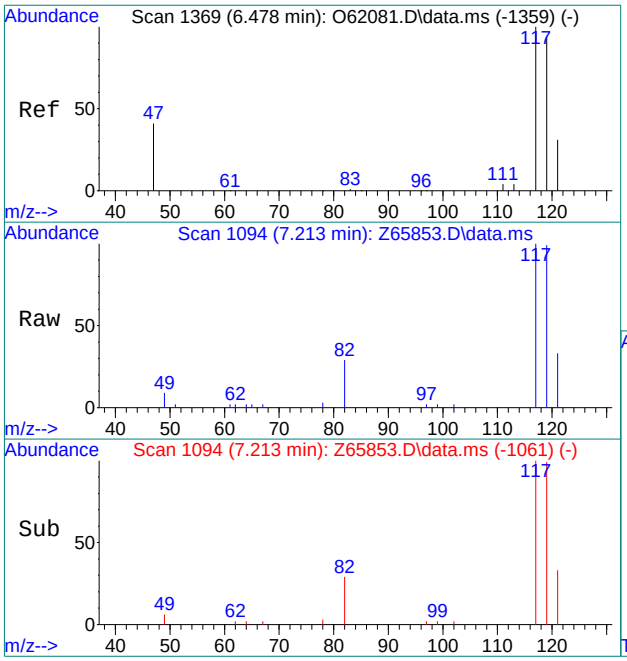


#9
Chloroform
Concen: 0.36 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65853.D
Acq: 10 Sep 2021 8:15 pm

Tgt Ion: 83 Resp: 3302

Ion	Ratio	Lower	Upper
83	100		
85	64.9	34.3	94.3
47	24.4	13.3	73.3

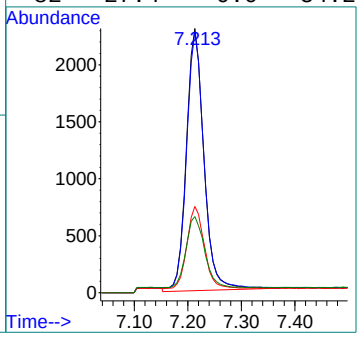


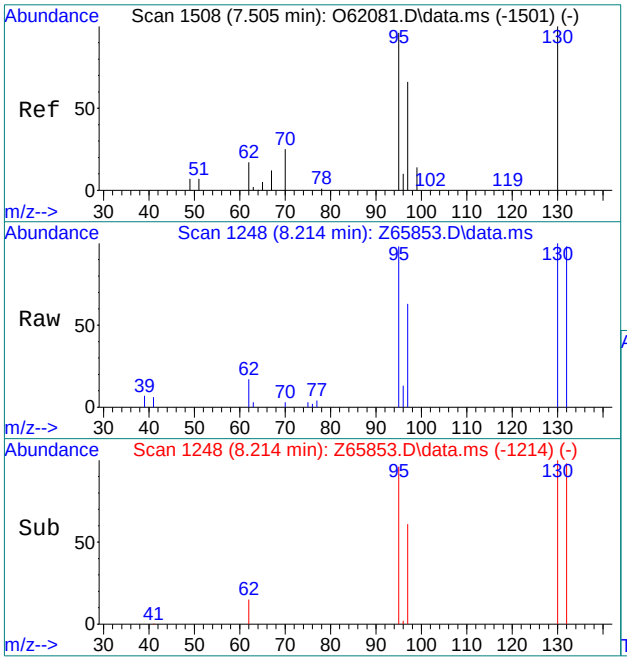


#10
Carbon Tetrachloride
Concen: 0.88 ug/L
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65853.D
Acq: 10 Sep 2021 8:15 pm

Tgt Ion:117 Resp: 5297

Ion	Ratio	Lower	Upper
117	100		
119	98.4	64.8	124.8
121	31.6	1.6	61.6
82	27.4	0.0	54.2

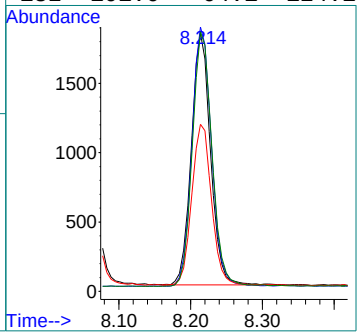


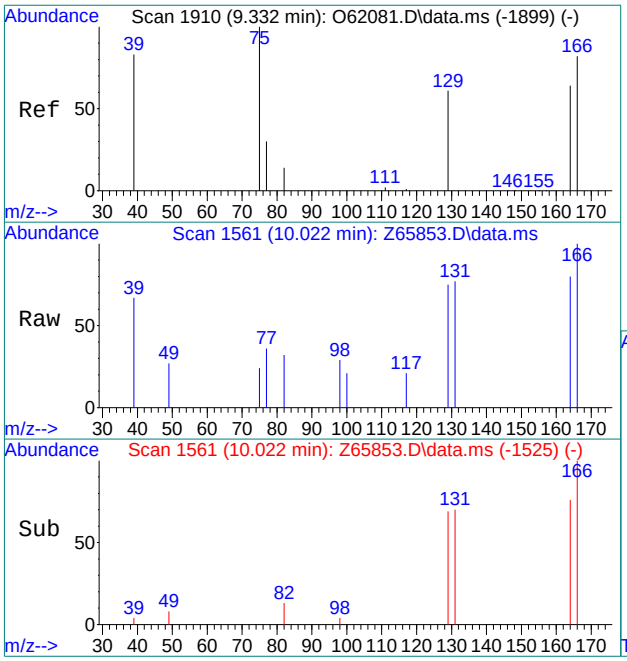


#15
Trichloroethene
Concen: 0.70 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. -0.000 min
Lab File: Z65853.D
Acq: 10 Sep 2021 8:15 pm

Tgt Ion: 95 Resp: 3371

Ion	Ratio	Lower	Upper
95	100		
130	103.0	58.7	118.7
97	64.0	35.1	95.1
132	101.0	64.1	124.1

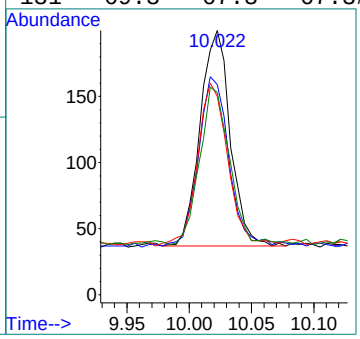




#21
Tetrachloroethene
Concen: 0.06 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65853.D
Acq: 10 Sep 2021 8:15 pm

Tgt Ion:166 Resp: 275

Ion	Ratio	Lower	Upper
166	100		
164	74.8	46.5	106.5
129	68.1	36.5	96.5
131	69.3	67.3	67.3#



Manual Integration Approval Summary

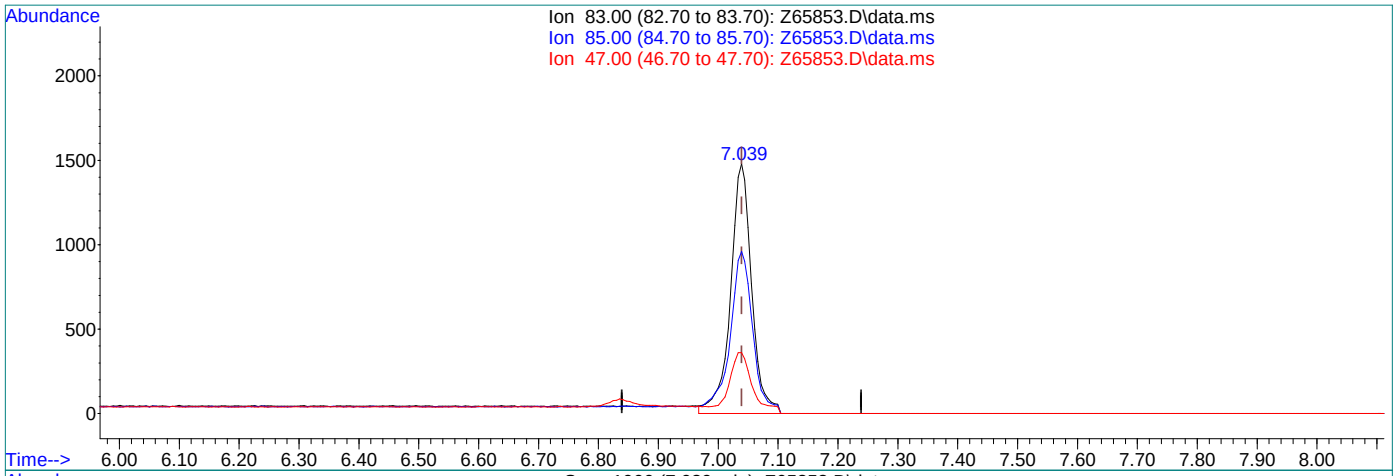
Sample Number: FA88606-13
Lab FileID: Z65853.D
Injection Time: 09/10/21 20:15
Method: SW846 8260B BY SIM
Analyst approved: 09/13/21 10:53 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

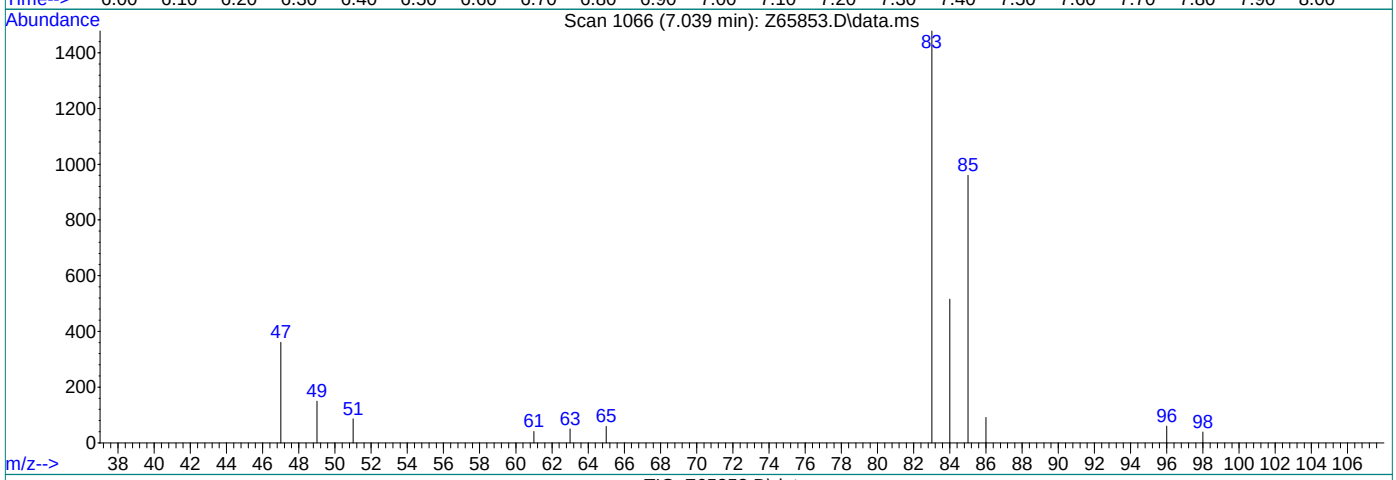
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65853.D
Acq On : 10 Sep 2021 8:15 pm
Operator : CHARLENG
Sample : FA88606-13
Misc : MS49709,VZ2590,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 08:25:18 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65853.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.40ug/L

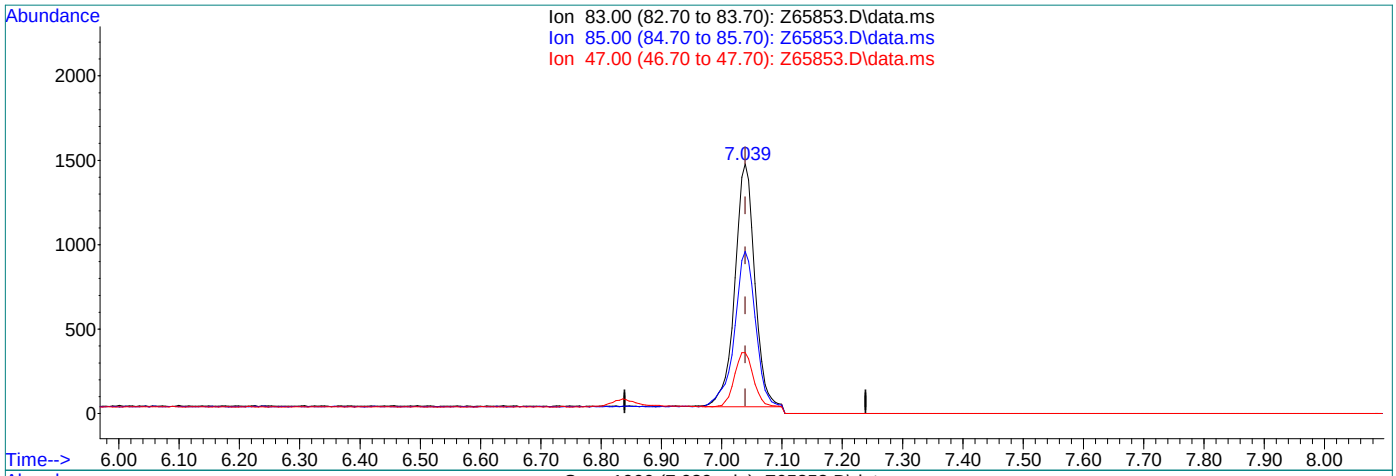
response 3659

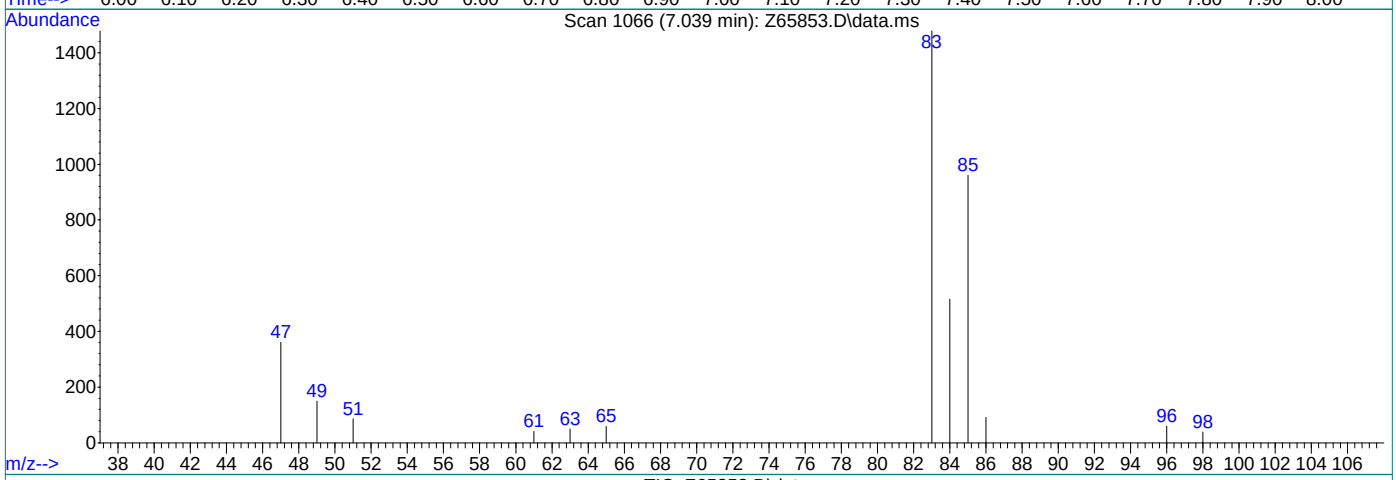
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.91
47.00	43.30	24.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65853.D
Acq On : 10 Sep 2021 8:15 pm
Operator : CHARLENG
Sample : FA88606-13
Misc : MS49709,VZ2590,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 08:25:18 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65853.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.36ug/L m

response 3302

Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.91
47.00	43.30	24.41
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49711,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:41:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	47979	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37713	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17092	5.27	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.40%			
19) Toluene-d8	9.576	98	41211	4.52	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.40%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	5693	0.79	ug/L #	61
9) Chloroform	7.034	83	655m	0.08	ug/L	
10) Carbon Tetrachloride	7.214	117	173m	0.03	ug/L	
15) Trichloroethene	8.214	95	2577	0.58	ug/L	91
21) Tetrachloroethene	10.022	166	426	0.09	ug/L #	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

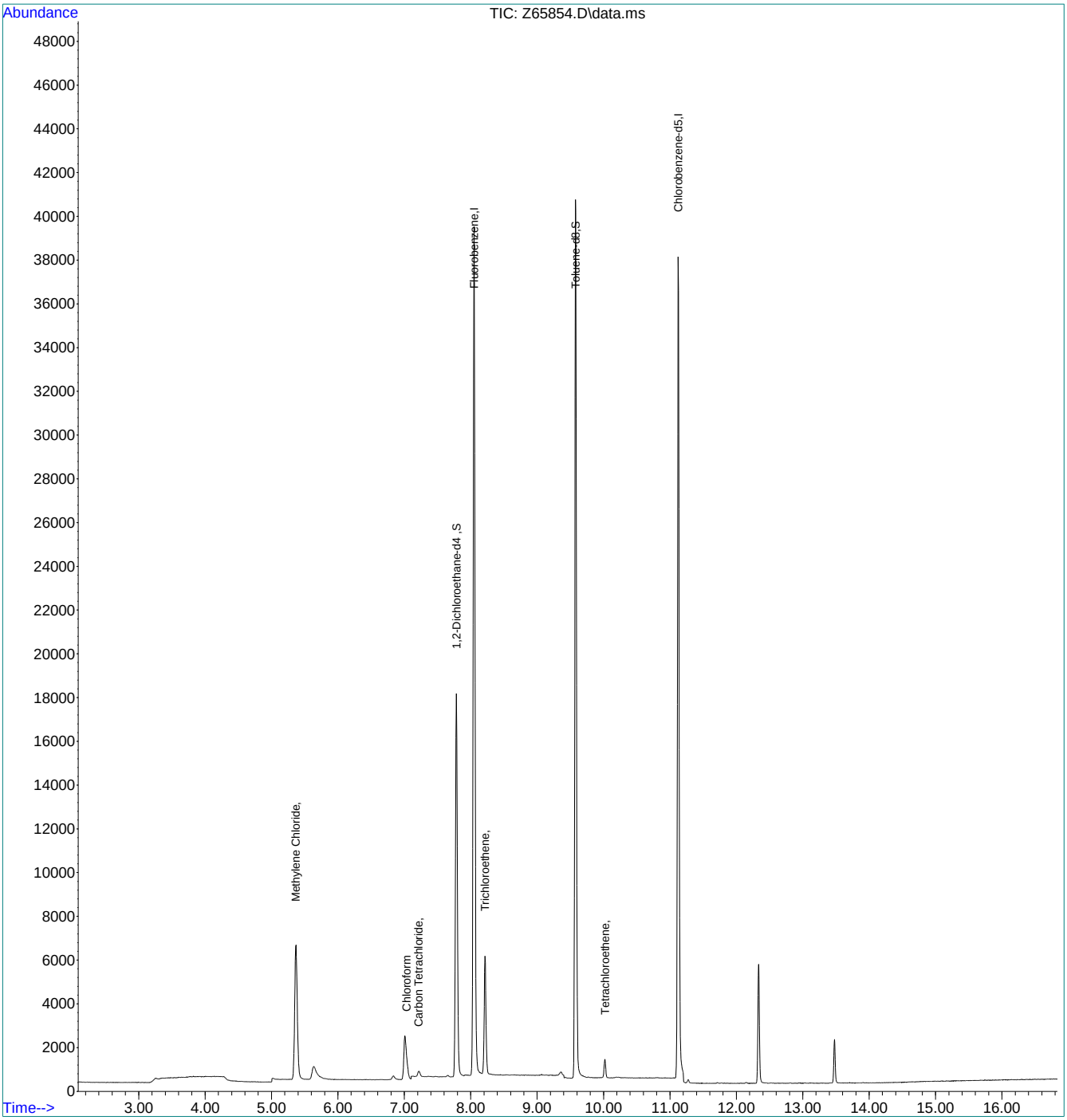
7.1.14

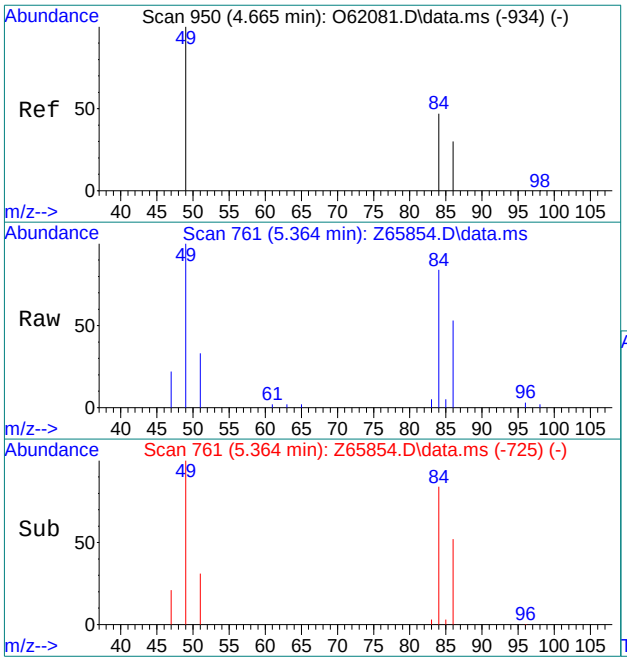
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49711,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:41:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

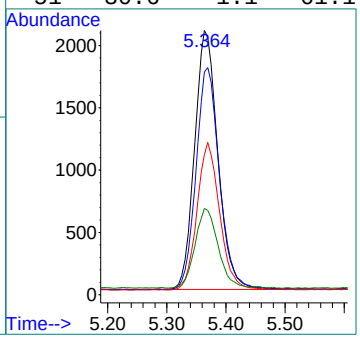


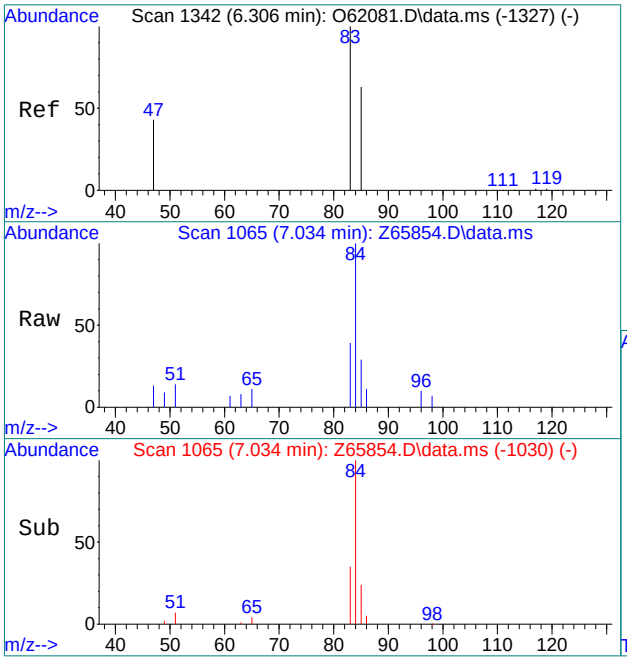


#5
Methylene Chloride
Concen: 0.79 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65854.D
Acq: 10 Sep 2021 8:36 pm

Tgt Ion: 49 Resp: 5693

Ion	Ratio	Lower	Upper
49	100		
84	83.9	13.9	73.9#
86	52.1	0.0	58.0
51	30.6	1.1	61.1

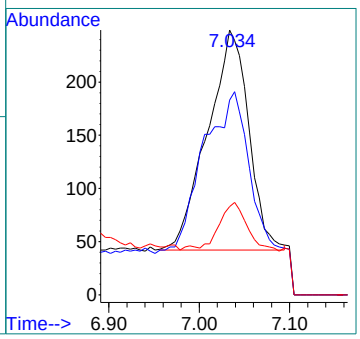


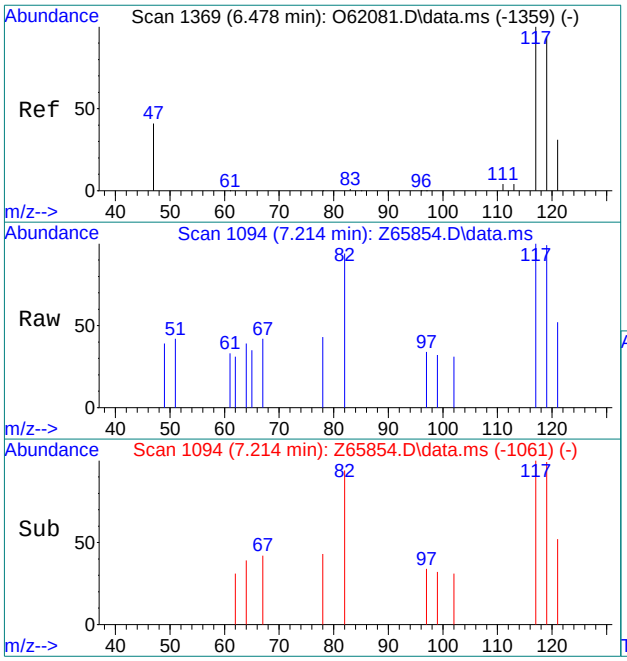


#9
Chloroform
Concen: 0.08 ug/L m
RT: 7.034 min Scan# 1065
Delta R.T. -0.005 min
Lab File: Z65854.D
Acq: 10 Sep 2021 8:36 pm

Tgt Ion: 83 Resp: 655

Ion	Ratio	Lower	Upper
83	100		
85	73.5	34.3	94.3
47	33.3	13.3	73.3

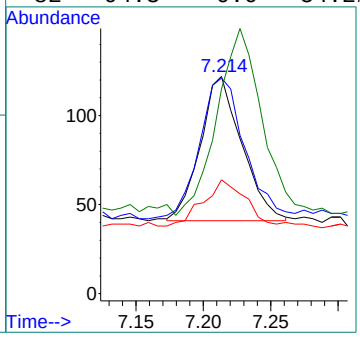


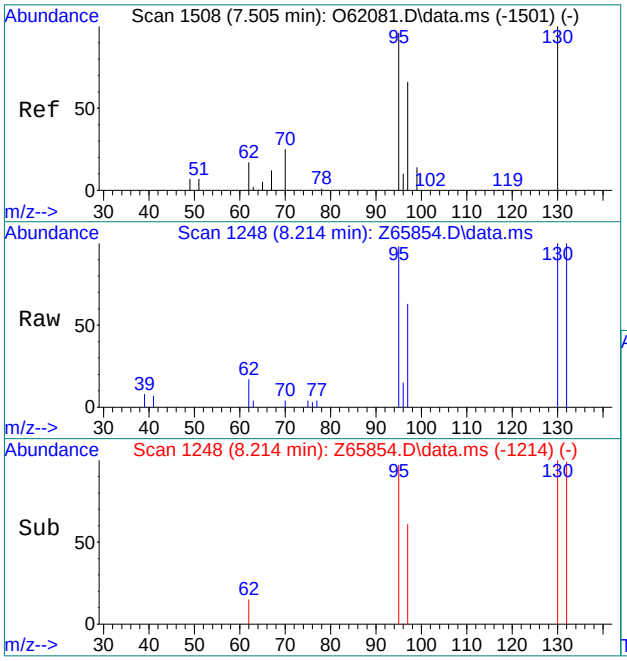


#10
Carbon Tetrachloride
Concen: 0.03 ug/L m
RT: 7.214 min Scan# 1094
Delta R.T. 0.001 min
Lab File: Z65854.D
Acq: 10 Sep 2021 8:36 pm

Tgt Ion:117 Resp: 173

Ion	Ratio	Lower	Upper
117	100		
119	99.2	64.8	124.8
121	52.5	1.6	61.6
82	94.3	0.0	54.2#

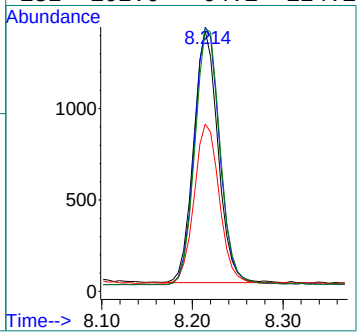


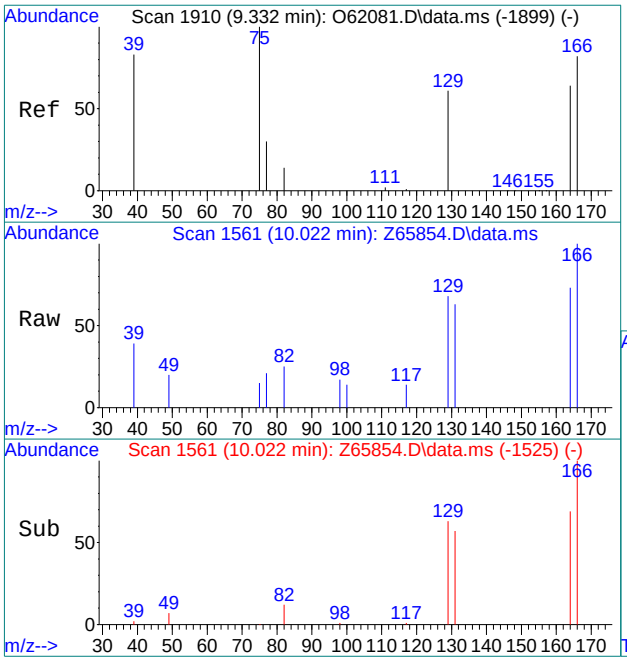


#15
Trichloroethene
Concen: 0.58 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. 0.000 min
Lab File: Z65854.D
Acq: 10 Sep 2021 8:36 pm

Tgt Ion: 95 Resp: 2577

Ion	Ratio	Lower	Upper
95	100		
130	102.5	58.7	118.7
97	63.3	35.1	95.1
132	102.0	64.1	124.1

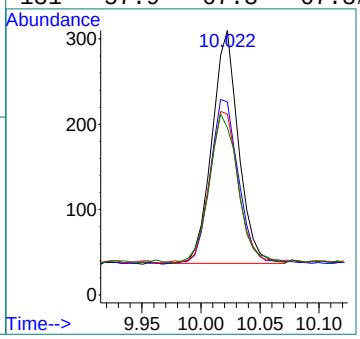




#21
Tetrachloroethene
Concen: 0.09 ug/L
RT: 10.022 min Scan# 1561
Delta R.T. 0.000 min
Lab File: Z65854.D
Acq: 10 Sep 2021 8:36 pm

Tgt Ion:166 Resp: 426

Ion	Ratio	Lower	Upper
166	100		
164	69.6	46.5	106.5
129	63.7	36.5	96.5
131	57.9	67.3	67.3#



Manual Integration Approval Summary

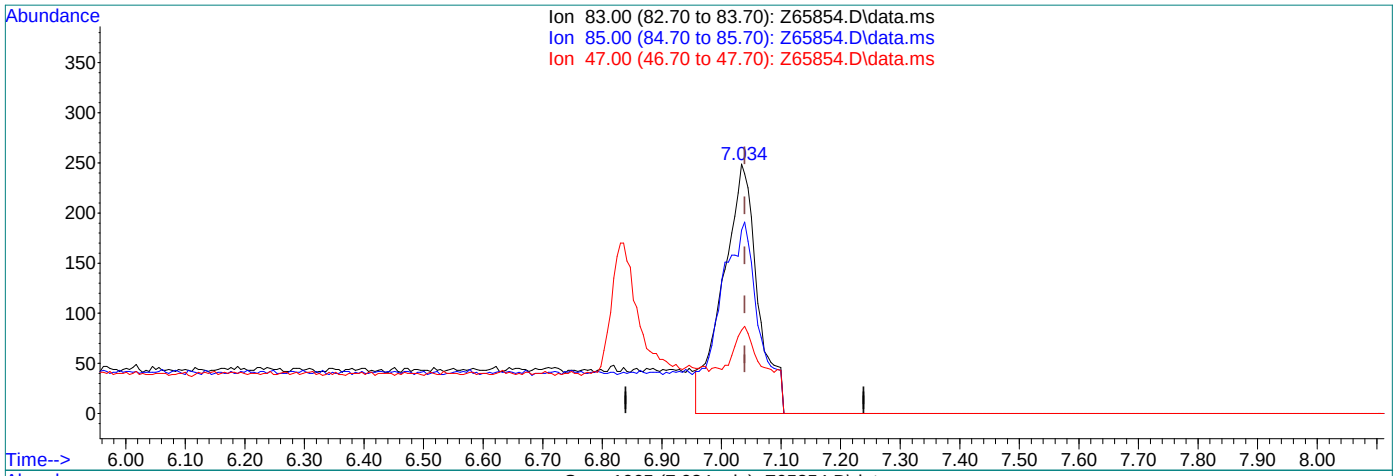
Sample Number: FA88606-14
Lab FileID: Z65854.D
Injection Time: 09/10/21 20:36
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

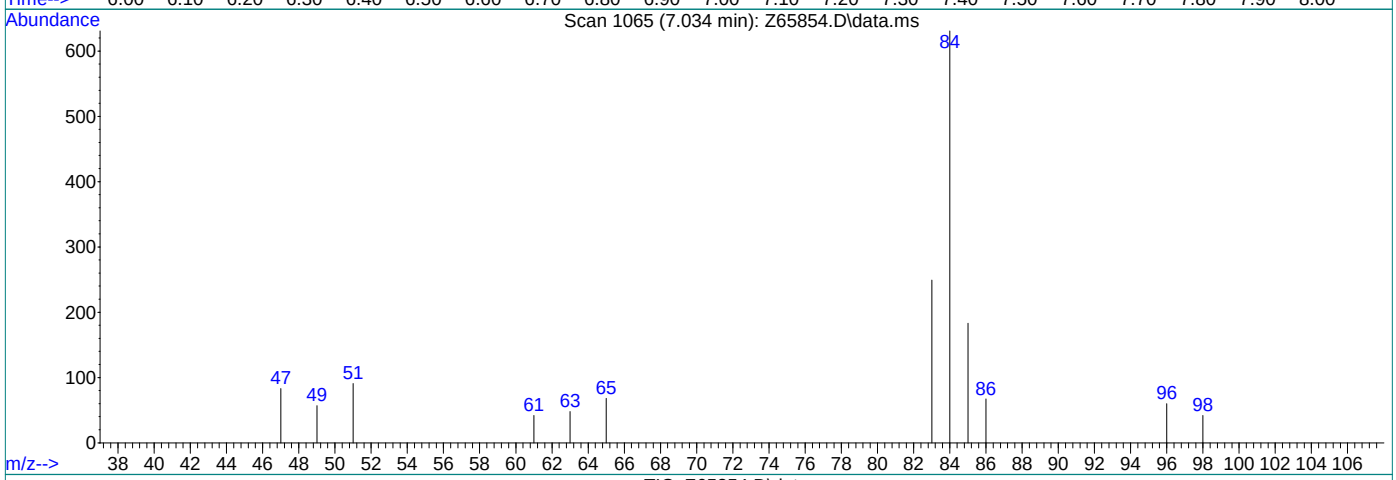
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49709,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:25:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65854.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.12ug/L

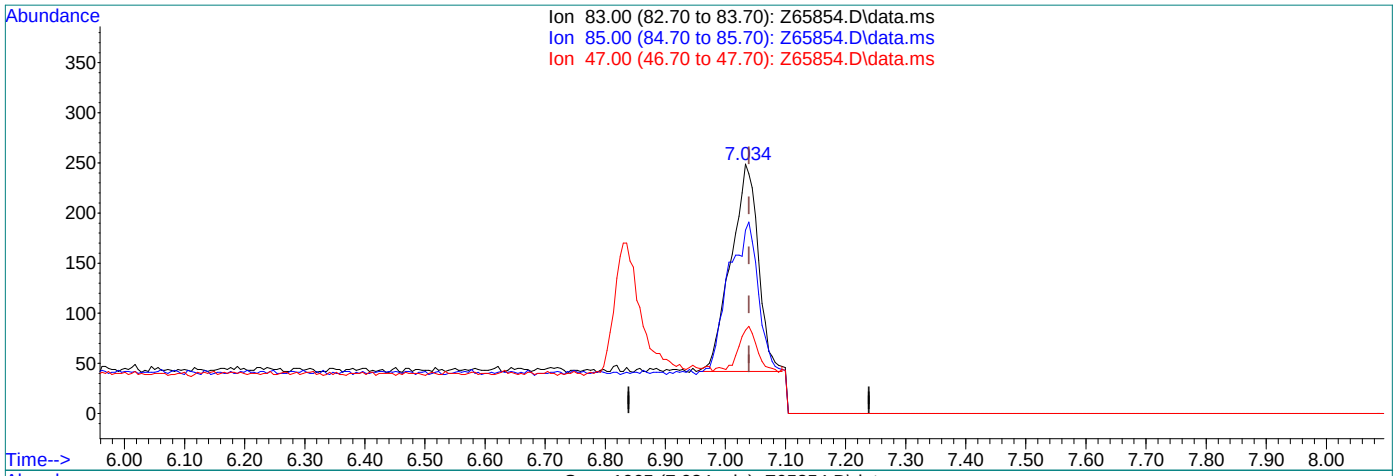
response 1025

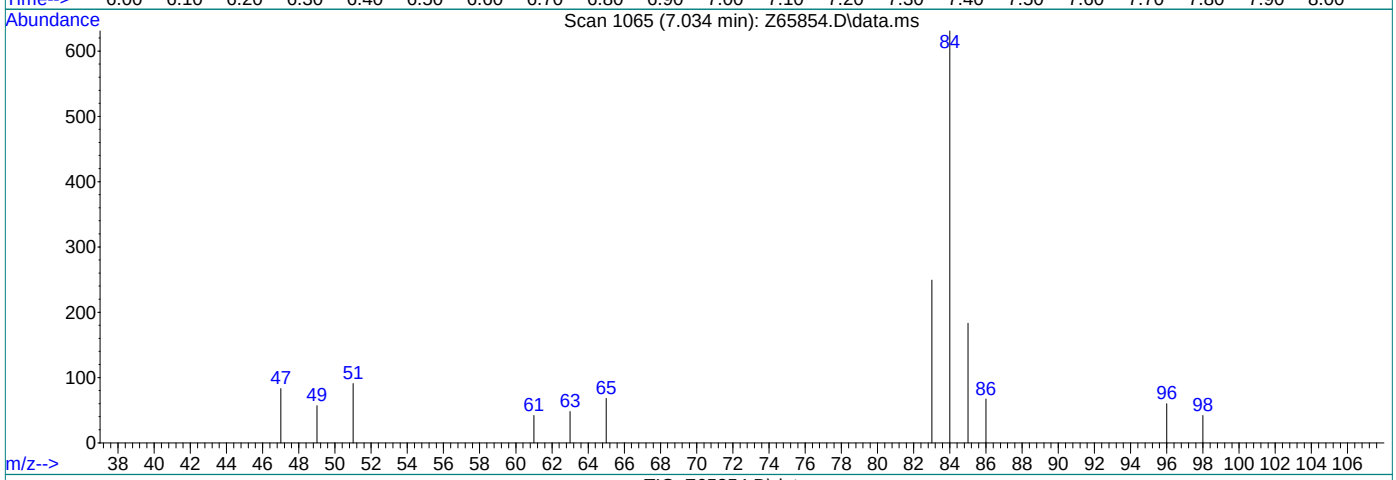
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	73.49
47.00	43.30	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49709,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:25:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65854.D\data.ms

(9) Chloroform

7.034min (-0.005) 0.08ug/L m

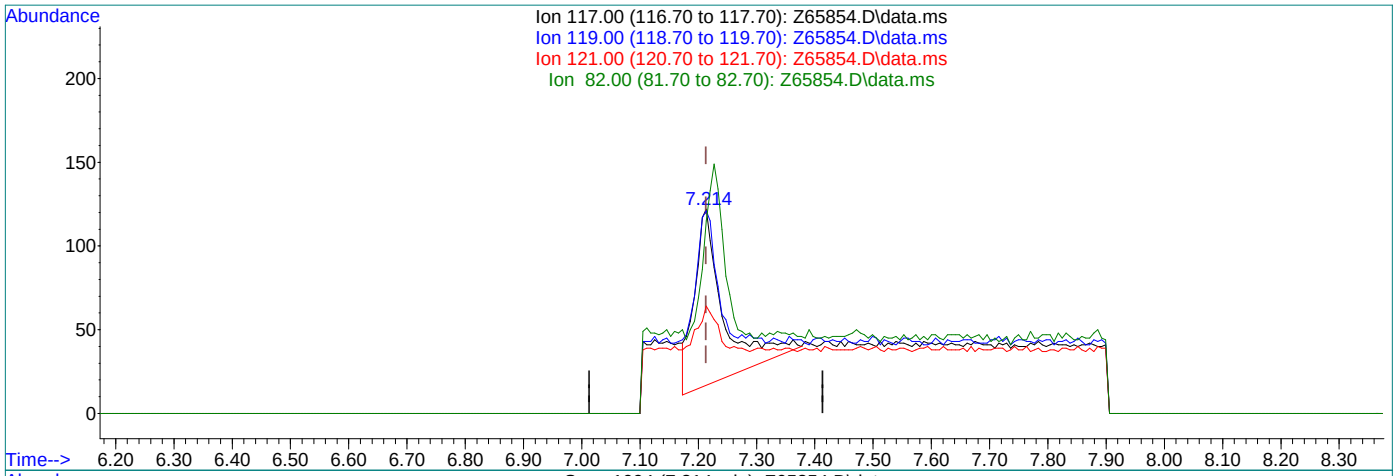
response 655

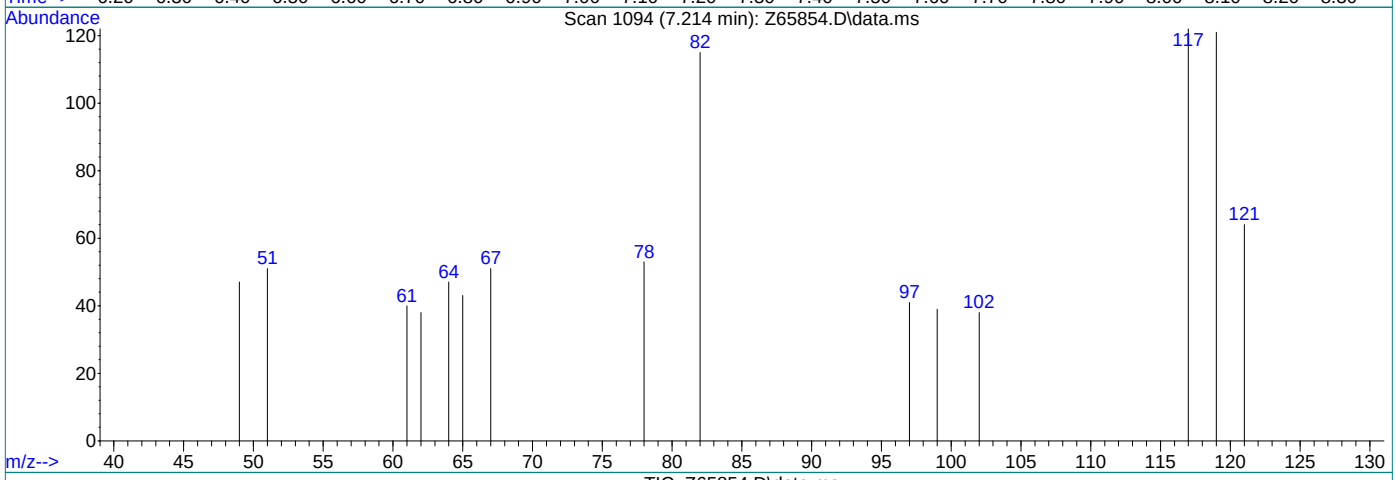
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	73.49
47.00	43.30	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49709,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:25:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65854.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.07ug/L

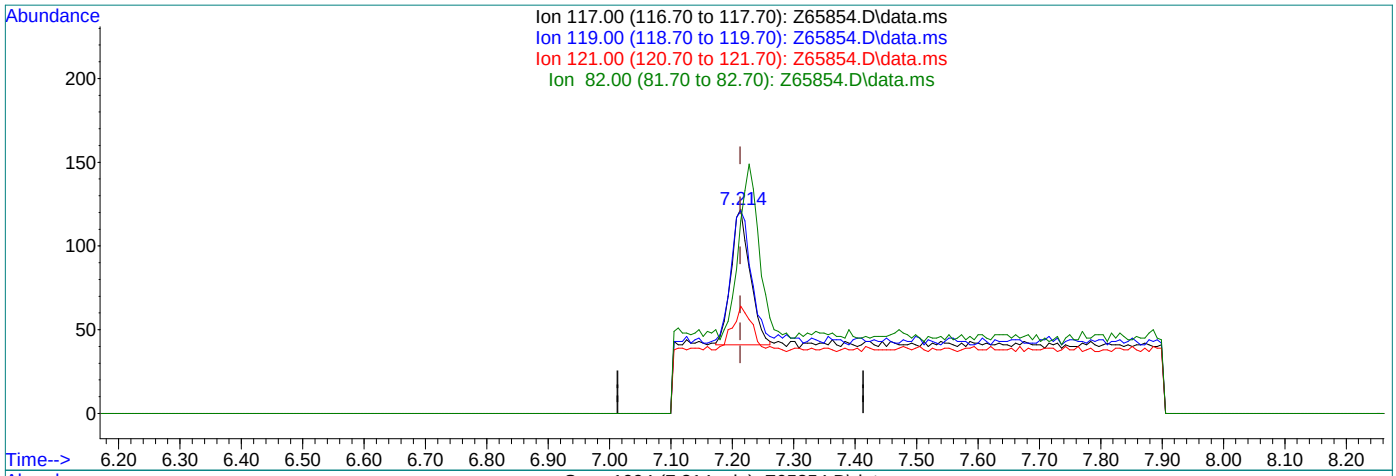
response 367

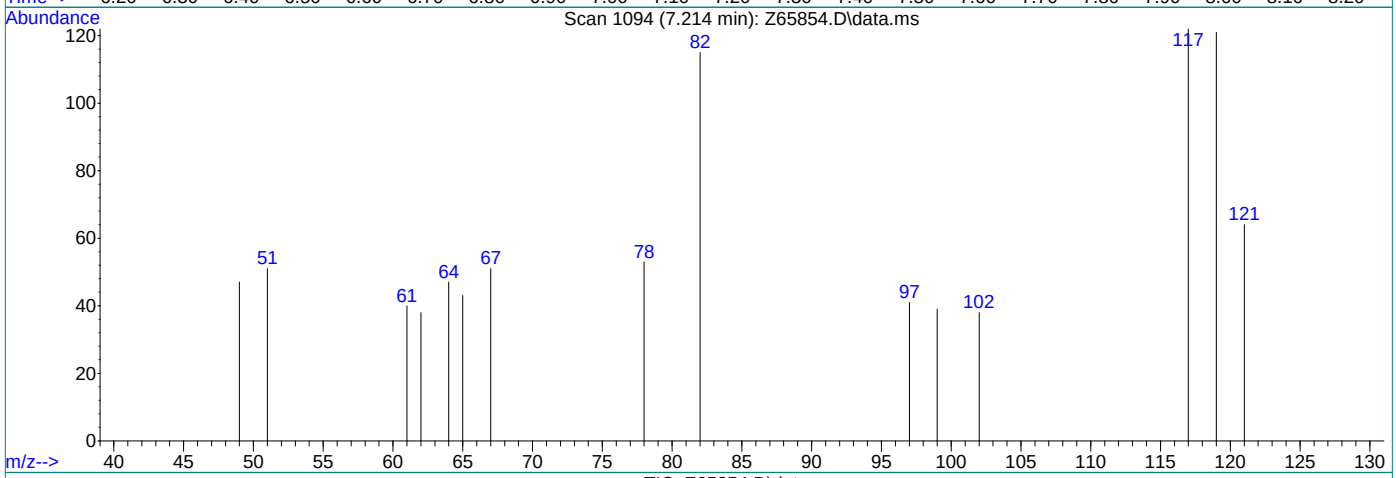
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	93.90
121.00	31.60	31.71
82.00	24.20	84.15#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65854.D
Acq On : 10 Sep 2021 8:36 pm
Operator : CHARLENG
Sample : FA88606-14
Misc : MS49709,VZ2590,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 08:25:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65854.D\data.ms

(10) Carbon Tetrachloride ( )

7.214min (+0.001) 0.03ug/L m

response 173

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	99.18
121.00	31.60	52.46
82.00	24.20	94.26#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65855.D
Acq On : 10 Sep 2021 8:56 pm
Operator : CHARLENG
Sample : FA88606-15
Misc : MS49711,VZ2590,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 08:41:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

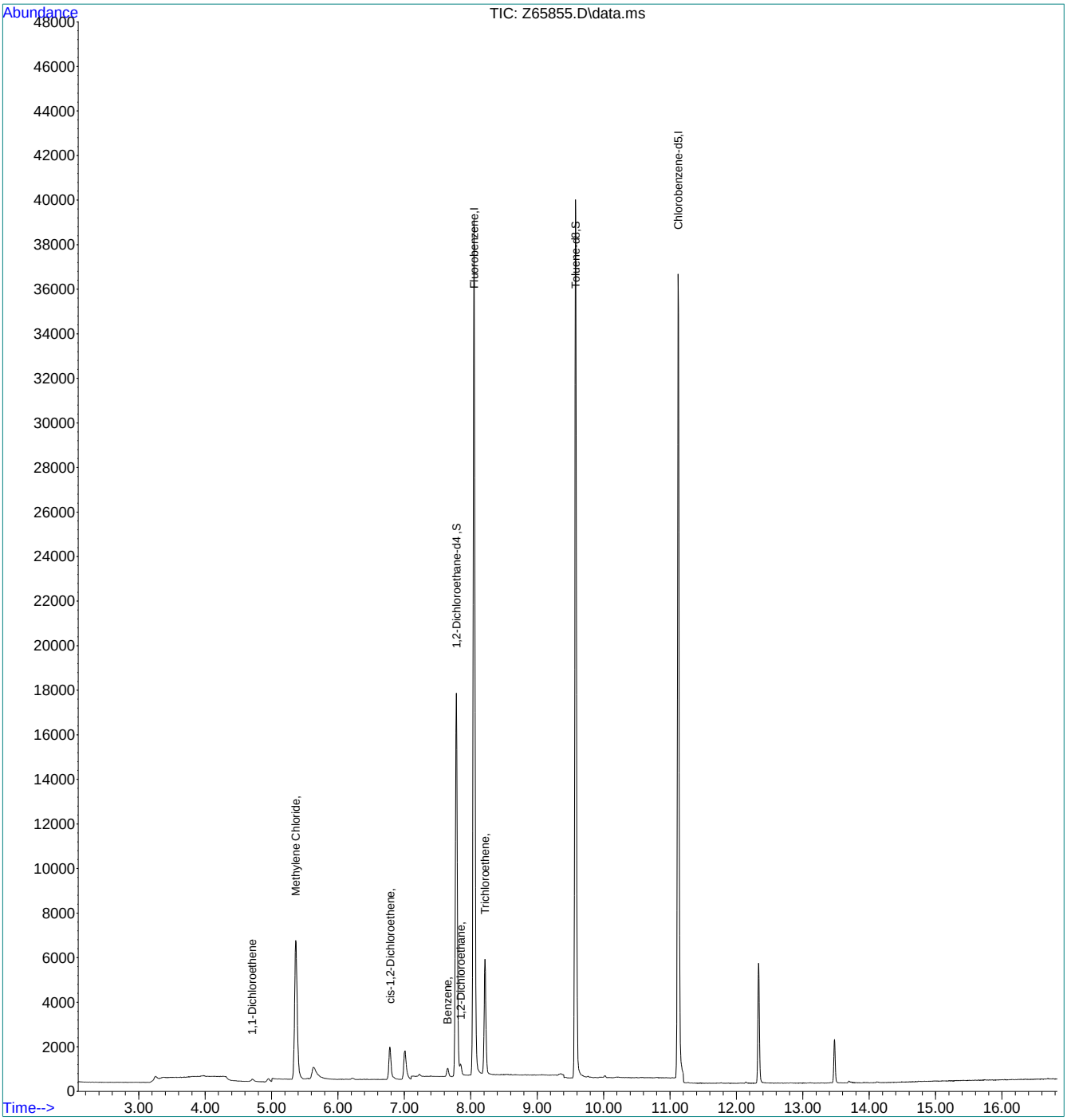
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	46754	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	36635	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	16830	5.33	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.60%			
19) Toluene-d8	9.576	98	40297	4.55	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 91.00%			
Target Compounds						Qvalue
4) 1,1-Dichloroethene	4.708	61	139	0.02	ug/L	96
5) Methylene Chloride	5.364	49	5824	0.83	ug/L #	60
8) cis-1,2-Dichloroethene	6.786	96	1006	0.23	ug/L #	68
12) Benzene	7.648	78	653	0.04	ug/L	78
14) 1,2-Dichloroethane	7.851	62	454	0.08	ug/L	77
15) Trichloroethene	8.214	95	2440	0.56	ug/L	89

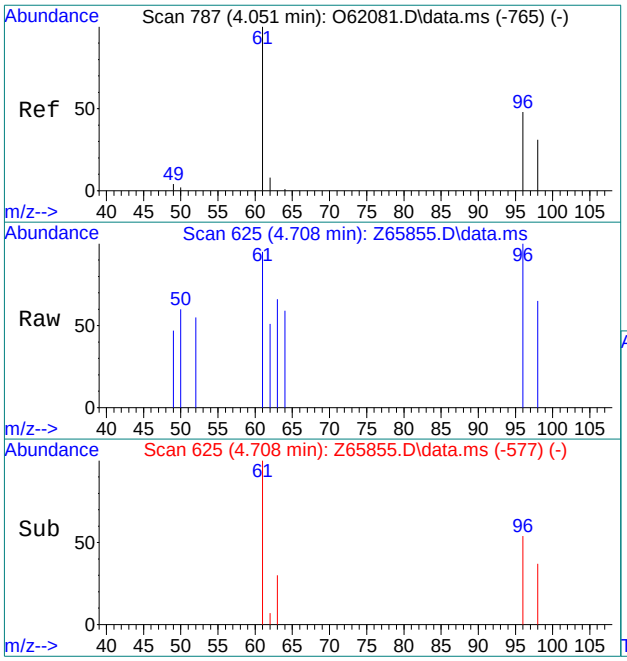
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65855.D
Acq On : 10 Sep 2021 8:56 pm
Operator : CHARLENG
Sample : FA88606-15
Misc : MS49711,VZ2590,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 08:41:29 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

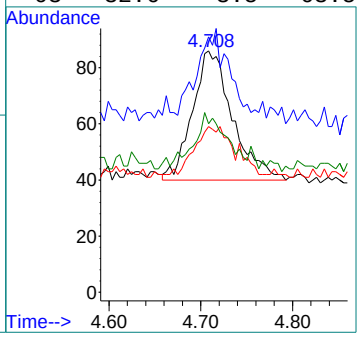


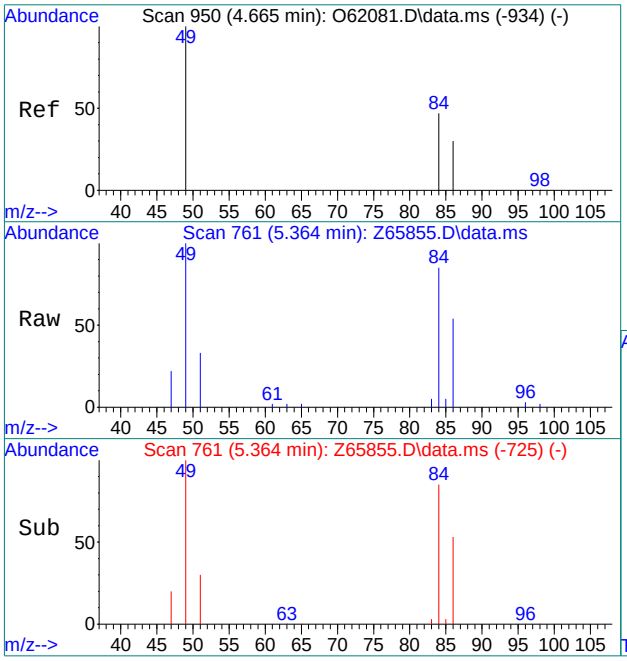


#4
1,1-Dichloroethene
Concen: 0.02 ug/L
RT: 4.708 min Scan# 625
Delta R.T. 0.000 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 61 Resp: 139

Ion	Ratio	Lower	Upper
61	100		
96	67.4	34.1	94.1
98	37.0	10.7	70.7
63	32.6	3.5	63.5

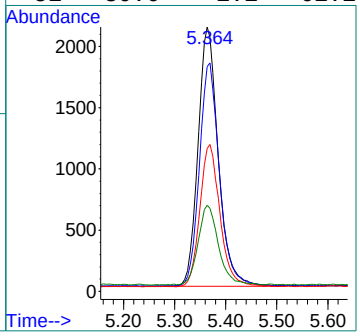


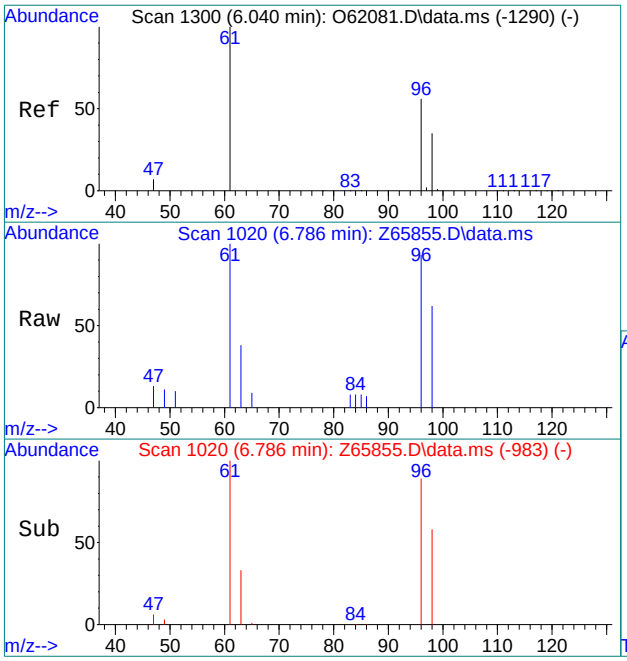


#5
Methylene Chloride
Concen: 0.83 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 49 Resp: 5824

Ion	Ratio	Lower	Upper
49	100		
84	84.6	13.9	73.9#
86	53.3	0.0	58.0
51	30.6	1.1	61.1

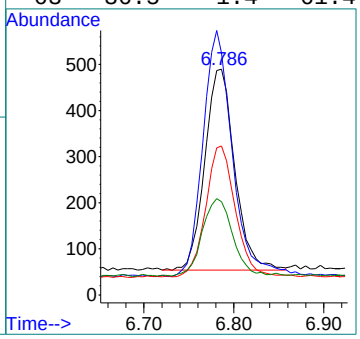


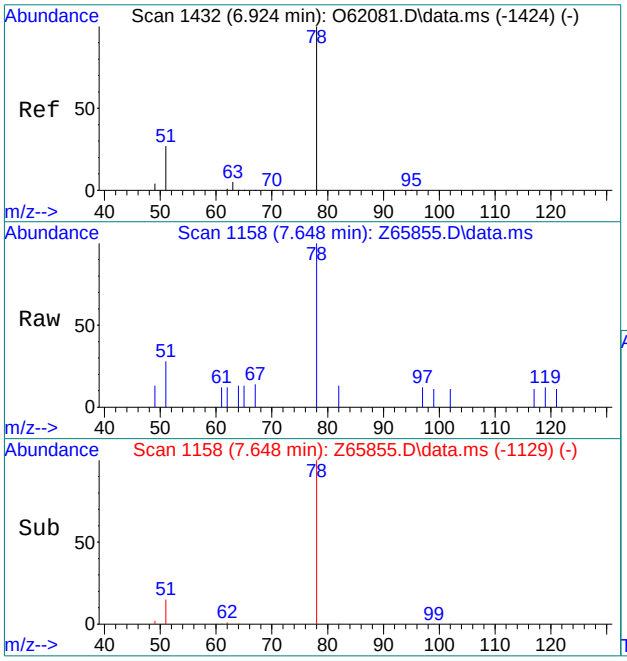


#8
cis-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 6.786 min Scan# 1020
Delta R.T. 0.005 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 96 Resp: 1006

Ion	Ratio	Lower	Upper
96	100		
61	110.8	147.2	207.2#
98	65.1	33.1	93.1
63	36.5	1.4	61.4

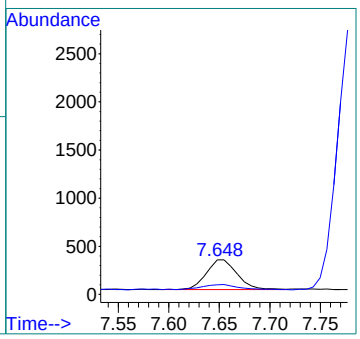


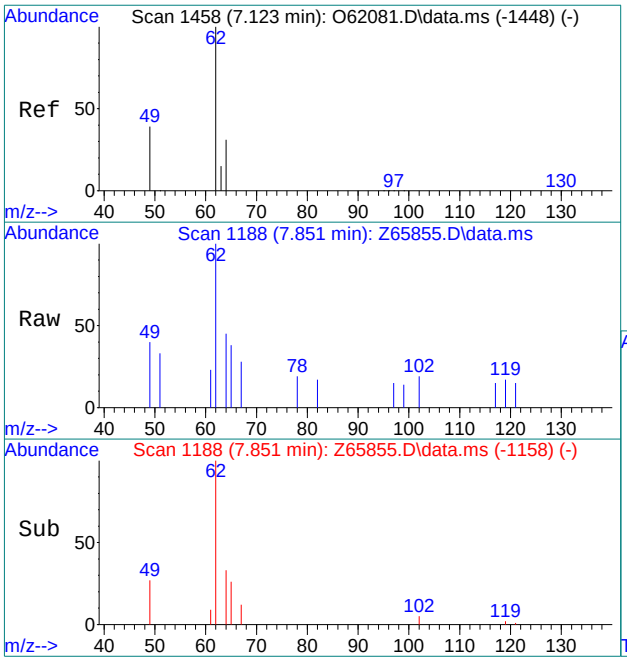


#12
Benzene
Concen: 0.04 ug/L
RT: 7.648 min Scan# 1158
Delta R.T. -0.000 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 78 Resp: 653

Ion	Ratio	Lower	Upper
78	100		
51	15.5	0.0	56.7

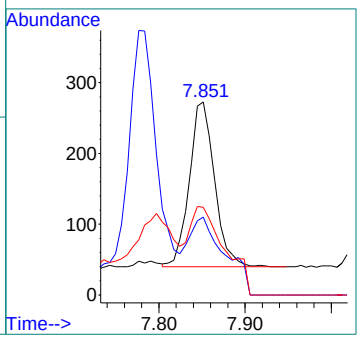


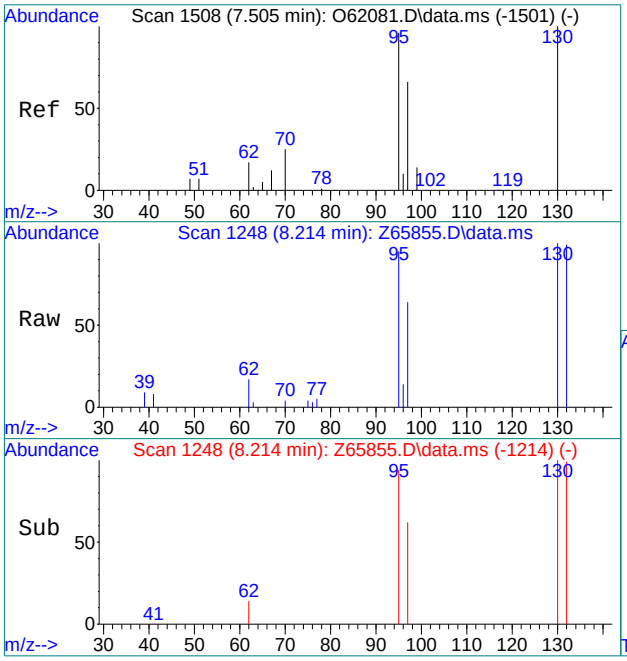


#14
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 7.851 min Scan# 1188
Delta R.T. 0.000 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 62 Resp: 454

Ion	Ratio	Lower	Upper
62	100		
49	47.2	11.1	71.1
64	53.2	1.1	61.1

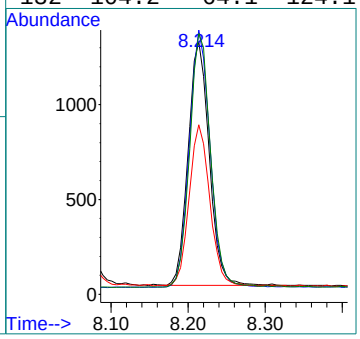




#15
Trichloroethene
Concen: 0.56 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. 0.000 min
Lab File: Z65855.D
Acq: 10 Sep 2021 8:56 pm

Tgt Ion: 95 Resp: 2440

Ion	Ratio	Lower	Upper
95	100		
130	105.5	58.7	118.7
97	66.3	35.1	95.1
132	104.2	64.1	124.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65856.D
Acq On : 10 Sep 2021 9:16 pm
Operator : CHARLENG
Sample : FA88606-16
Misc : MS49711,VZ2590,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 08:41:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

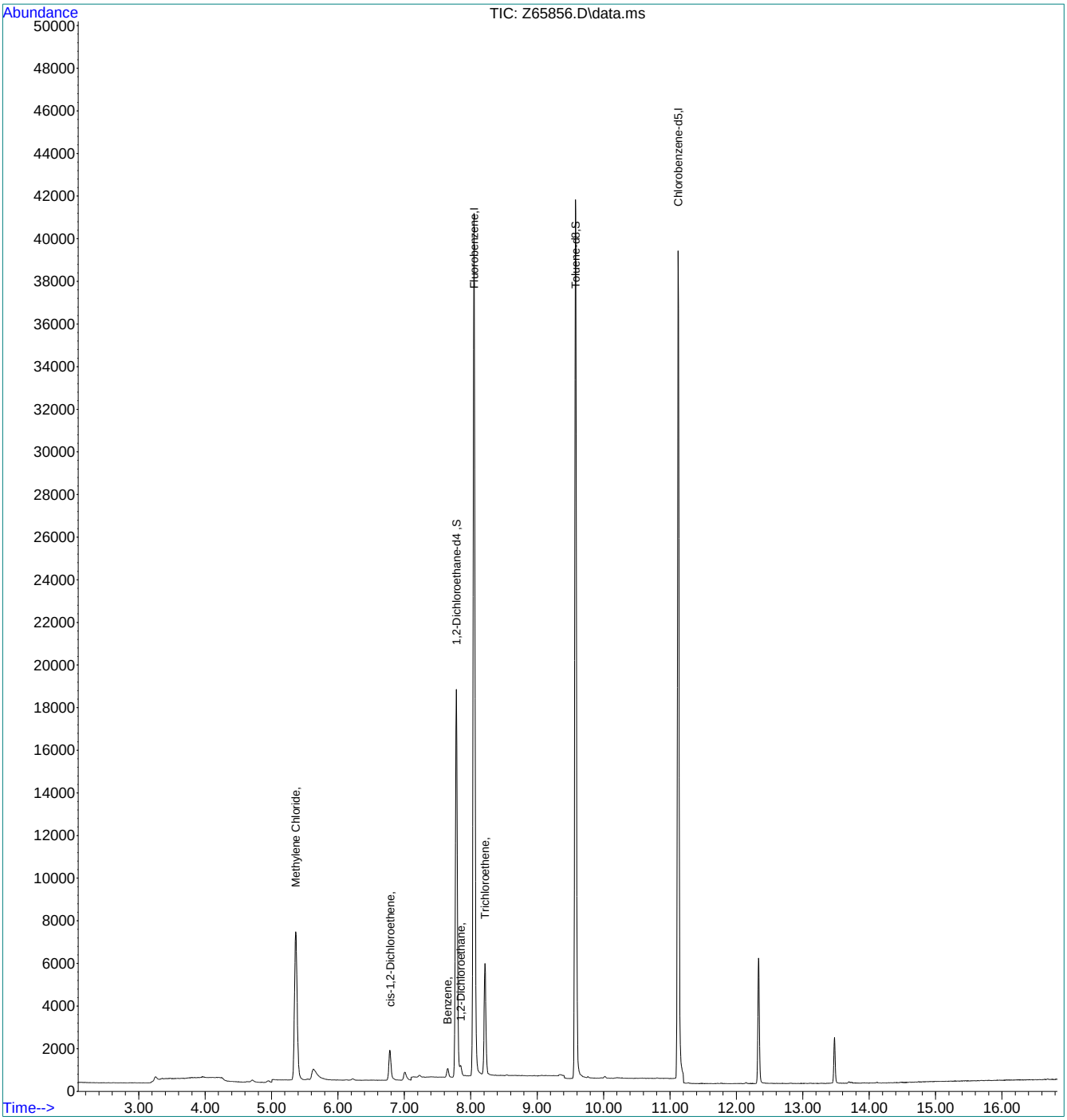
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	49943	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39048	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17852	5.29	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 105.80%			
19) Toluene-d8	9.577	98	42284	4.48	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6641	0.88	ug/L #	62
8) cis-1,2-Dichloroethene	6.786	96	949	0.20	ug/L #	70
12) Benzene	7.648	78	720	0.04	ug/L	82
14) 1,2-Dichloroethane	7.851	62	457	0.08	ug/L	82
15) Trichloroethene	8.214	95	2465	0.53	ug/L	89

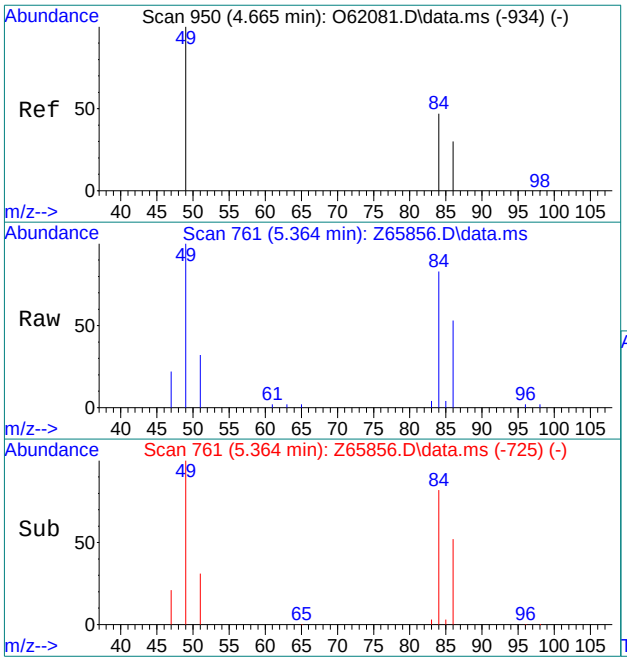
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65856.D
Acq On : 10 Sep 2021 9:16 pm
Operator : CHARLENG
Sample : FA88606-16
Misc : MS49711,VZ2590,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 08:41:38 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

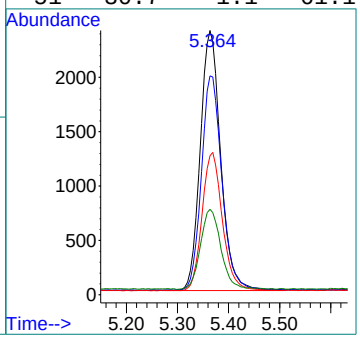


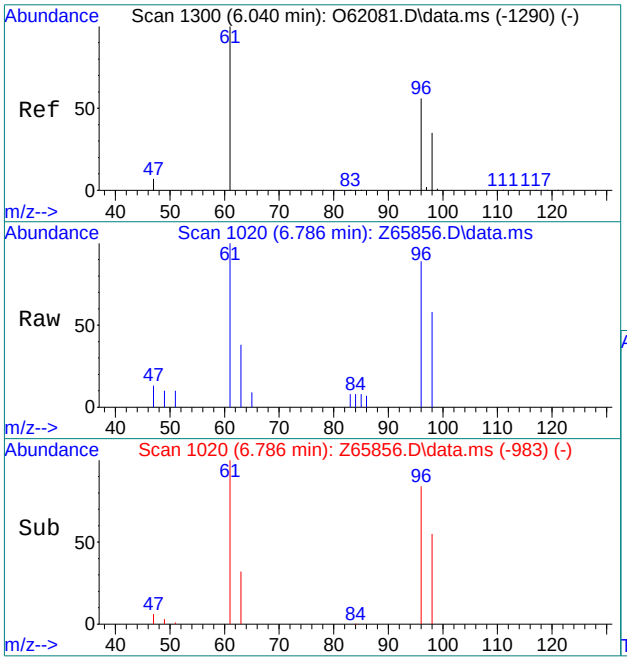


#5
Methylene Chloride
Concen: 0.88 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65856.D
Acq: 10 Sep 2021 9:16 pm

Tgt Ion: 49 Resp: 6641

Ion	Ratio	Lower	Upper
49	100		
84	82.4	13.9	73.9#
86	51.8	0.0	58.0
51	30.7	1.1	61.1

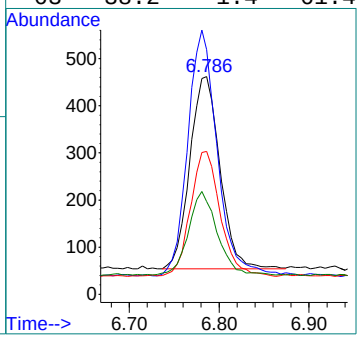


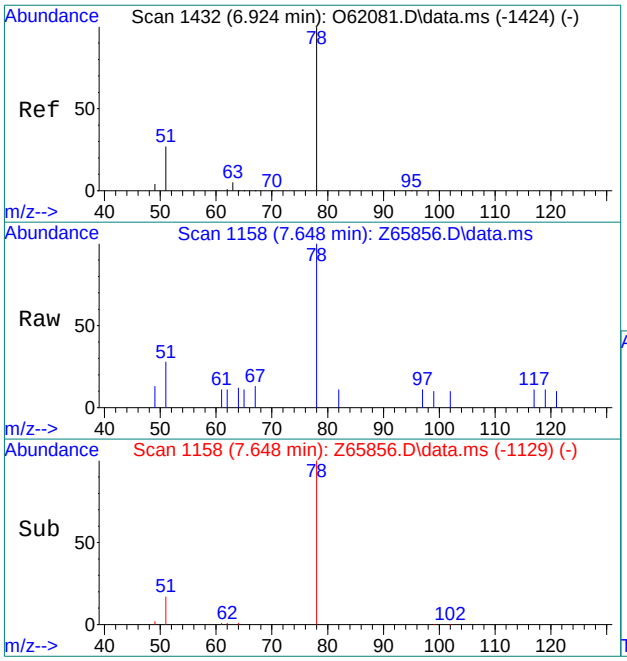


#8
cis-1,2-Dichloroethene
Concen: 0.20 ug/L
RT: 6.786 min Scan# 1020
Delta R.T. 0.005 min
Lab File: Z65856.D
Acq: 10 Sep 2021 9:16 pm

Tgt Ion: 96 Resp: 949

Ion	Ratio	Lower	Upper
96	100		
61	116.7	147.2	207.2#
98	64.5	33.1	93.1
63	38.2	1.4	61.4

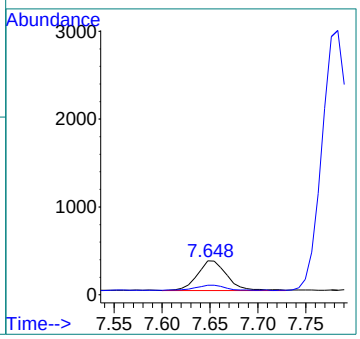


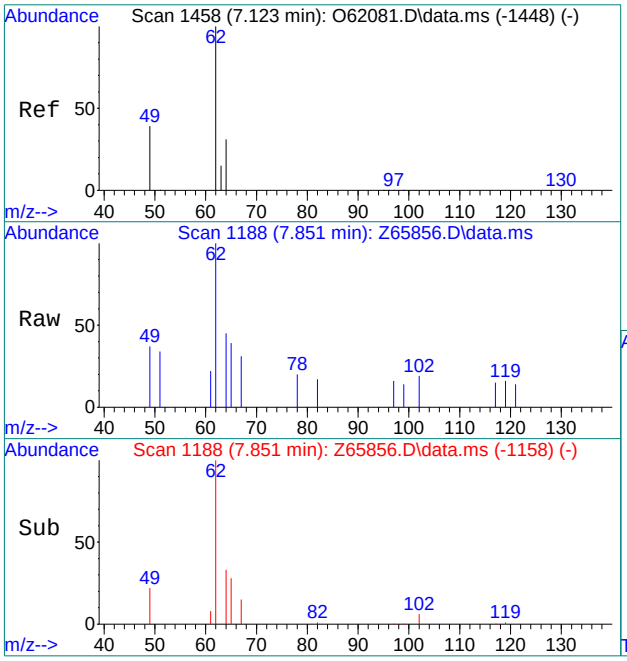


#12
Benzene
Concen: 0.04 ug/L
RT: 7.648 min Scan# 1158
Delta R.T. -0.000 min
Lab File: Z65856.D
Acq: 10 Sep 2021 9:16 pm

Tgt Ion: 78 Resp: 720

Ion	Ratio	Lower	Upper
78	100		
51	17.3	0.0	56.7

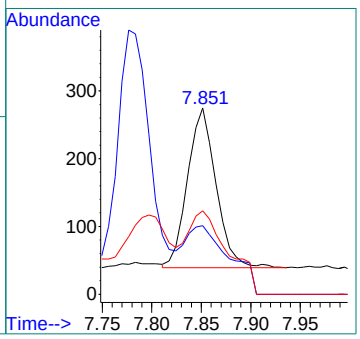


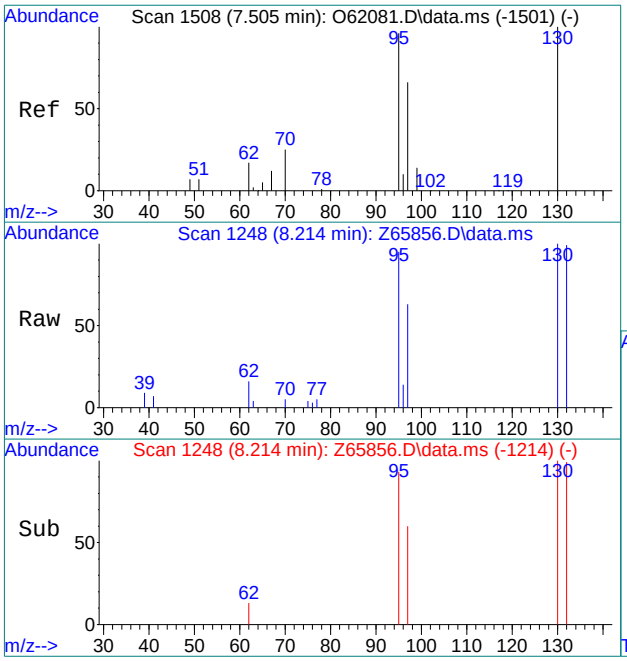


#14
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 7.851 min Scan# 1188
Delta R.T. 0.000 min
Lab File: Z65856.D
Acq: 10 Sep 2021 9:16 pm

Tgt Ion: 62 Resp: 457

Ion	Ratio	Lower	Upper
62	100		
49	42.8	11.1	71.1
64	52.1	1.1	61.1

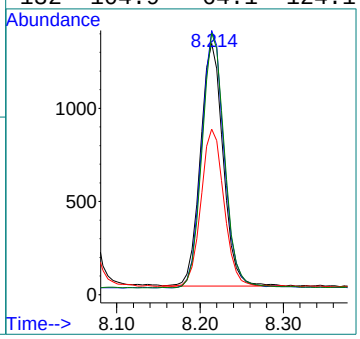




#15
Trichloroethene
Concen: 0.53 ug/L
RT: 8.214 min Scan# 1248
Delta R.T. -0.000 min
Lab File: Z65856.D
Acq: 10 Sep 2021 9:16 pm

Tgt Ion: 95 Resp: 2465

Ion	Ratio	Lower	Upper
95	100		
130	106.0	58.7	118.7
97	64.8	35.1	95.1
132	104.9	64.1	124.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65857.D
Acq On : 10 Sep 2021 9:36 pm
Operator : CHARLENG
Sample : FA88606-17
Misc : MS49711,VZ2590,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 08:41:46 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

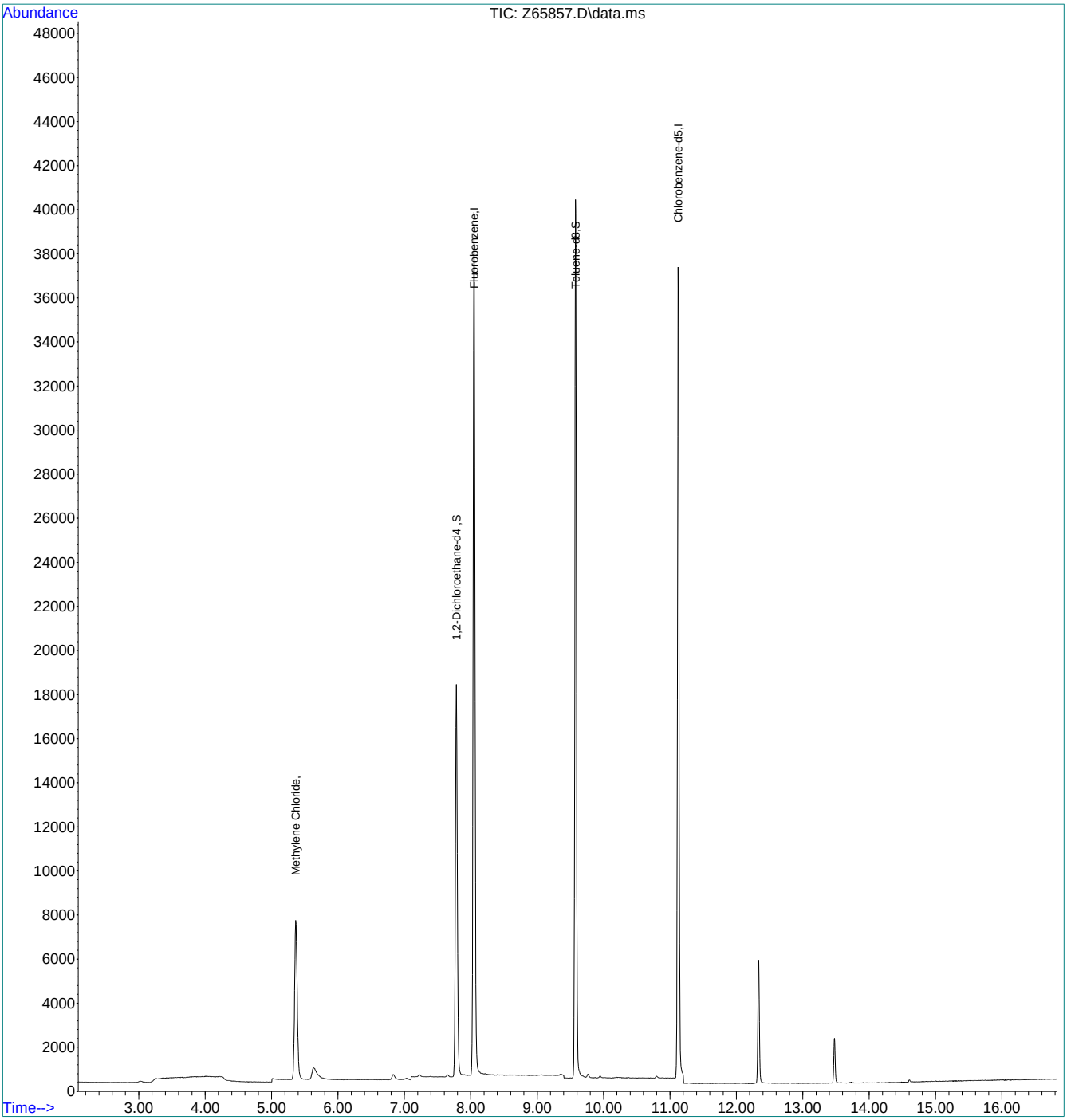
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	48063	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37539	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17348	5.34	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.80%			
19) Toluene-d8	9.576	98	40765	4.49	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.80%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6679	0.92	ug/L	# 59

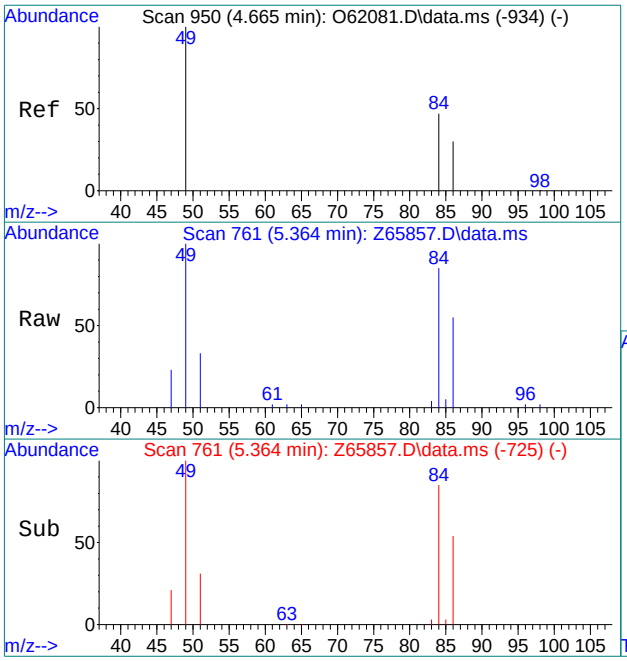
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65857.D
Acq On : 10 Sep 2021 9:36 pm
Operator : CHARLENG
Sample : FA88606-17
Misc : MS49711,VZ2590,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 08:41:46 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

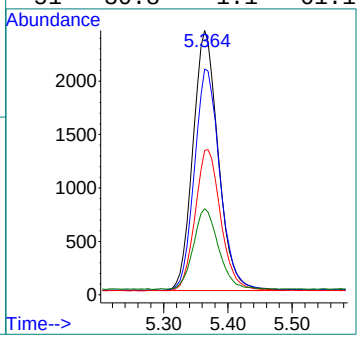




#5
Methylene Chloride
Concen: 0.92 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65857.D
Acq: 10 Sep 2021 9:36 pm

Tgt Ion: 49 Resp: 6679

Ion	Ratio	Lower	Upper
49	100		
84	85.0	13.9	73.9#
86	53.9	0.0	58.0
51	30.8	1.1	61.1



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/14/21 16:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49711,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:42:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	48123	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37755	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17217	5.30	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.00%			
19) Toluene-d8	9.576	98	40726	4.46	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6671	0.92	ug/L	# 61
9) Chloroform	7.039	83	1544m	0.18	ug/L	
10) Carbon Tetrachloride	7.213	117	816m	0.14	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

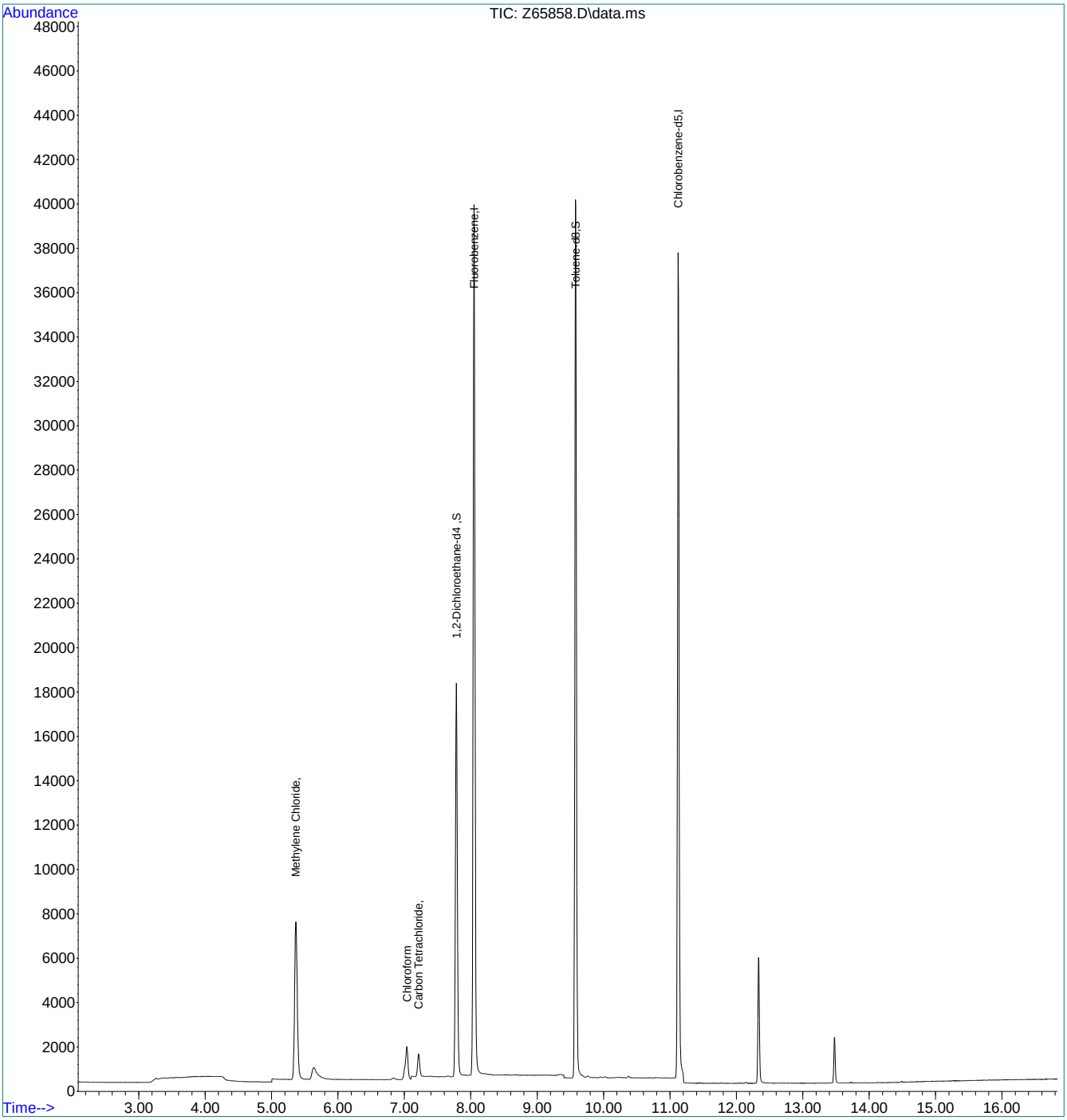
7.1.18

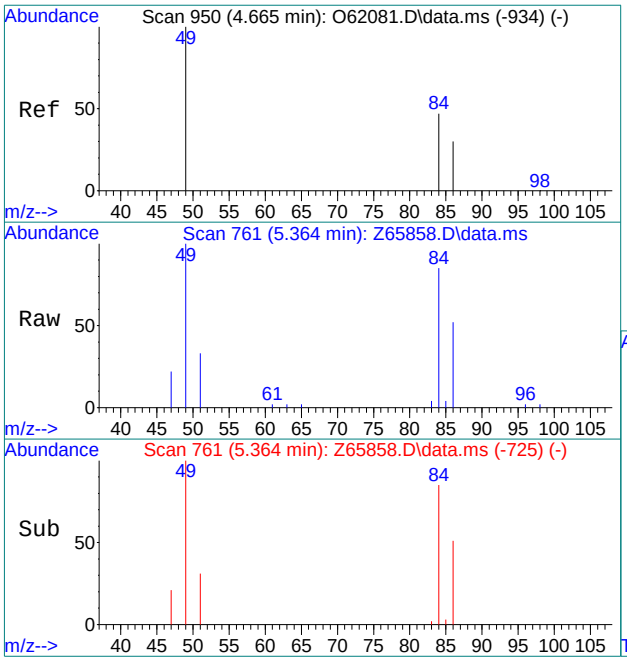
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49711,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:42:15 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

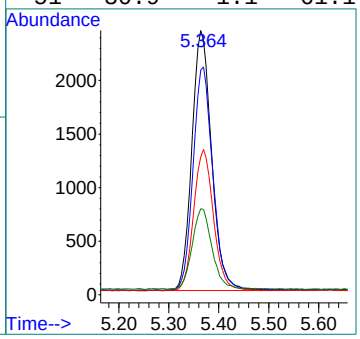


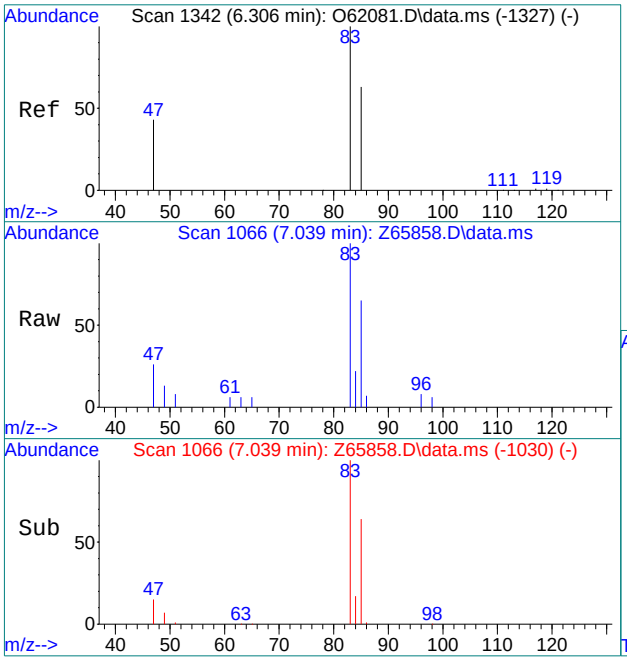


#5
Methylene Chloride
Concen: 0.92 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65858.D
Acq: 10 Sep 2021 9:57 pm

Tgt Ion: 49 Resp: 6671

Ion	Ratio	Lower	Upper
49	100		
84	84.7	13.9	73.9#
86	51.5	0.0	58.0
51	30.9	1.1	61.1

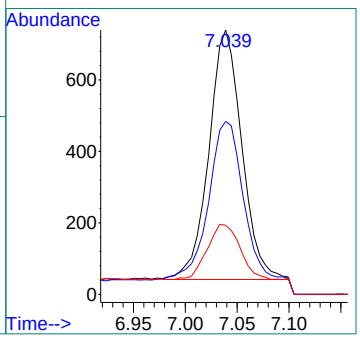


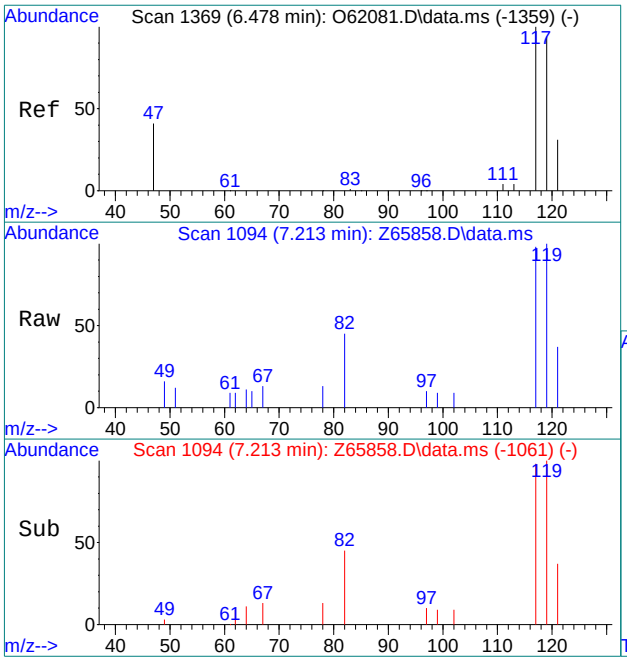


#9
Chloroform
Concen: 0.18 ug/L m
RT: 7.039 min Scan# 1066
Delta R.T. -0.000 min
Lab File: Z65858.D
Acq: 10 Sep 2021 9:57 pm

Tgt Ion: 83 Resp: 1544

Ion	Ratio	Lower	Upper
83	100		
85	65.4	34.3	94.3
47	26.1	13.3	73.3

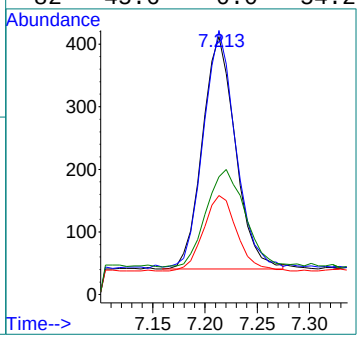




#10
Carbon Tetrachloride
Concen: 0.14 ug/L m
RT: 7.213 min Scan# 1094
Delta R.T. 0.000 min
Lab File: Z65858.D
Acq: 10 Sep 2021 9:57 pm

Tgt Ion:117 Resp: 816

Ion	Ratio	Lower	Upper
117	100		
119	102.4	64.8	124.8
121	38.3	1.6	61.6
82	45.6	0.0	54.2



Manual Integration Approval Summary

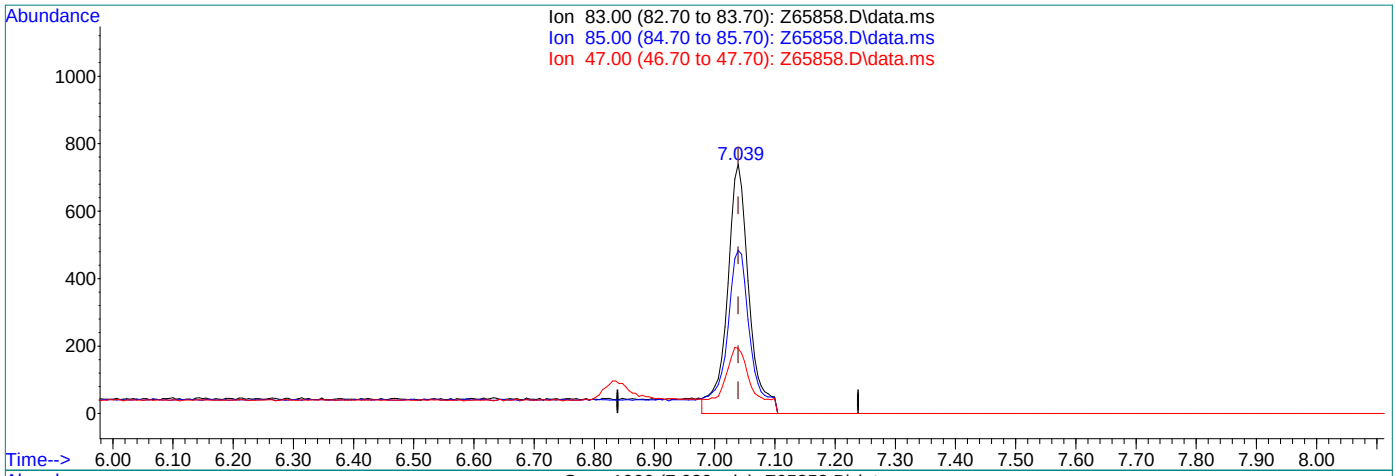
Sample Number: FA88606-18
Lab FileID: Z65858.D
Injection Time: 09/10/21 21:57
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/14/21 16:03 Chelsea VanDenBurg

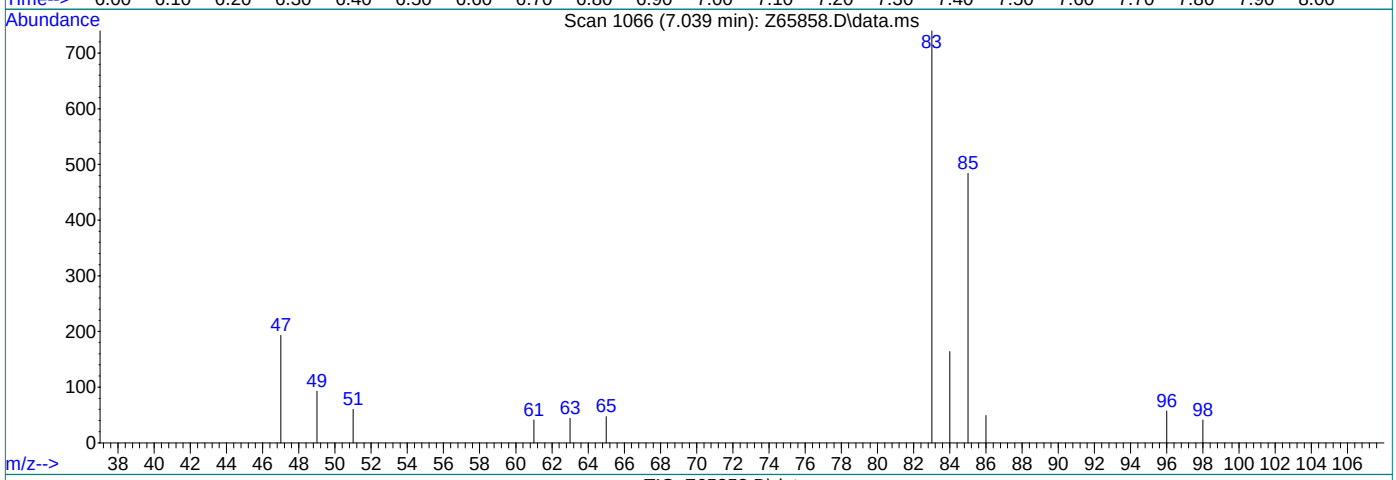
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49709,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:25:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65858.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.22ug/L

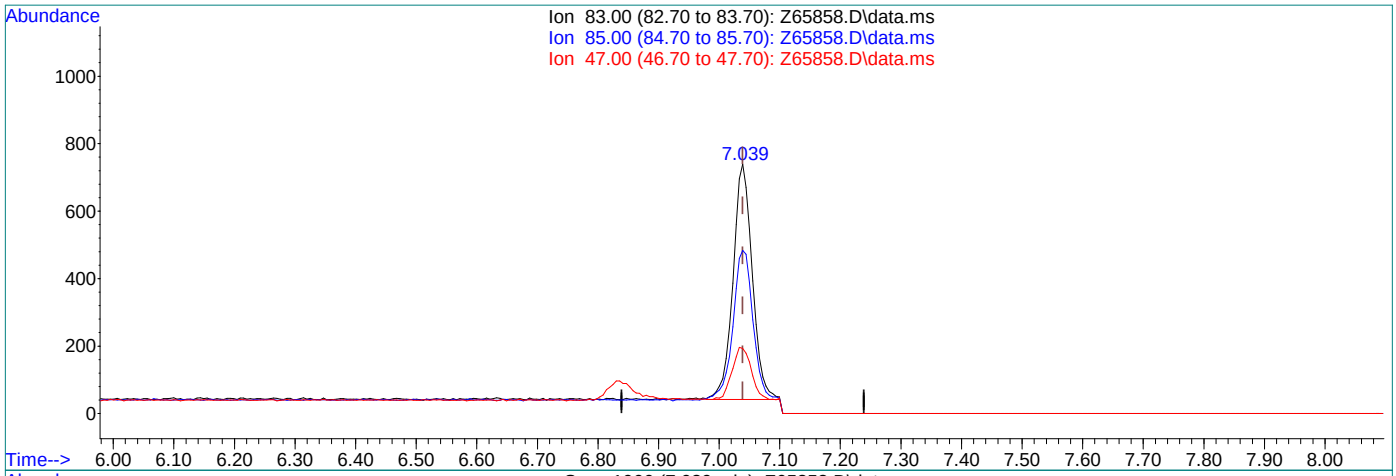
response 1867

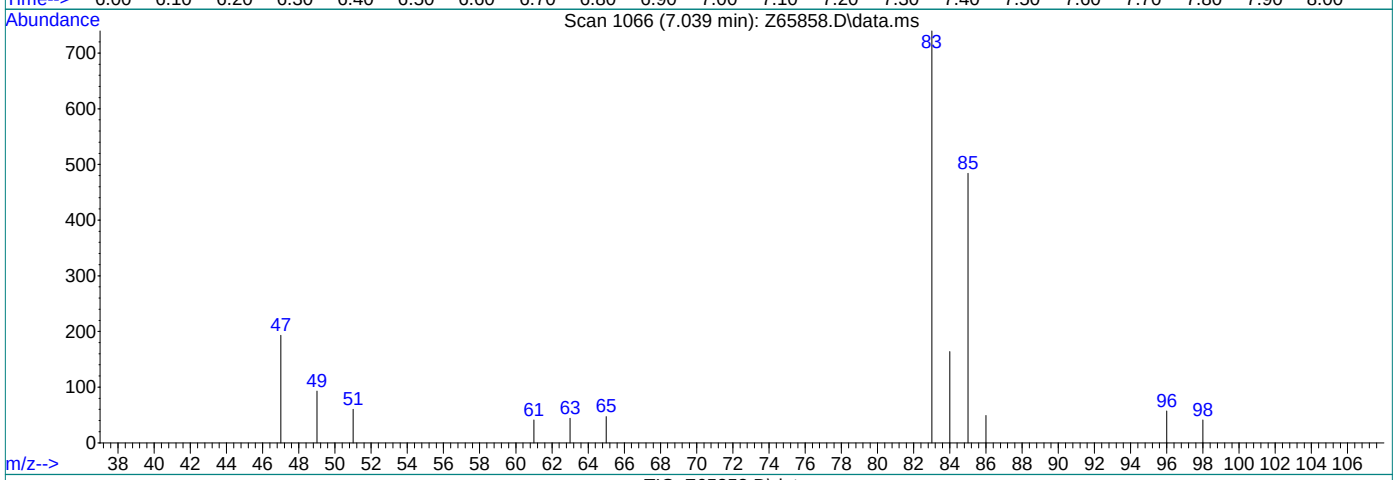
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	65.41
47.00	43.30	26.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49709,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:25:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65858.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.18ug/L m

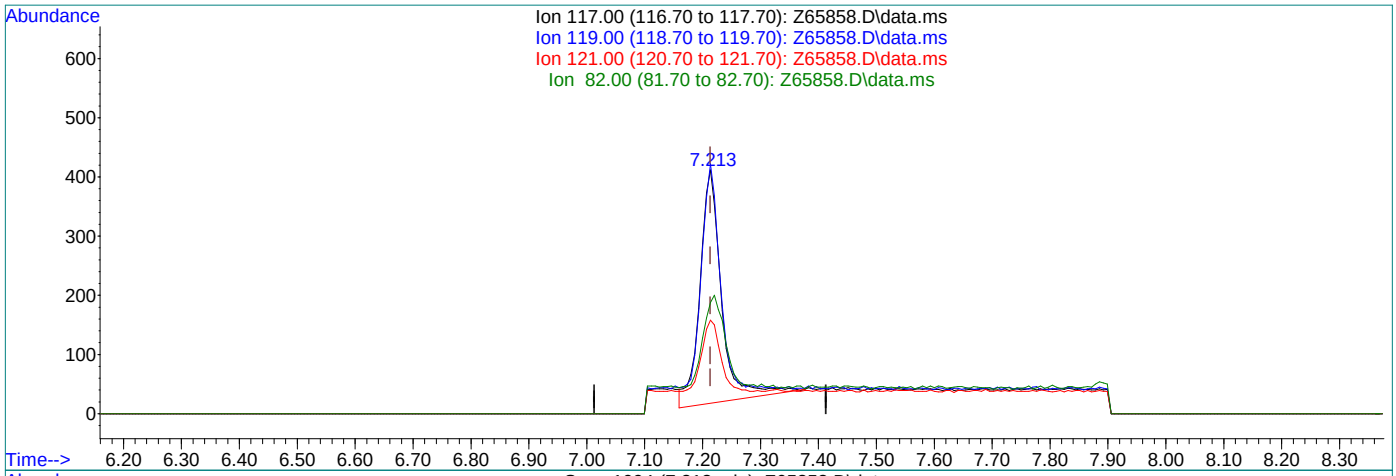
response 1544

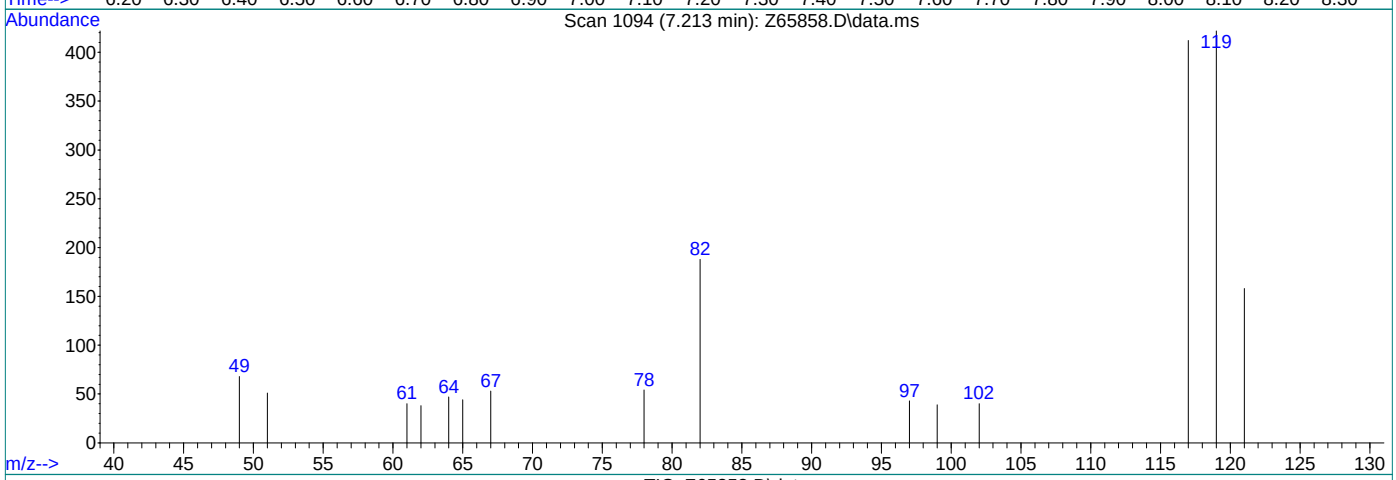
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	65.41
47.00	43.30	26.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49709,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:25:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65858.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.18ug/L

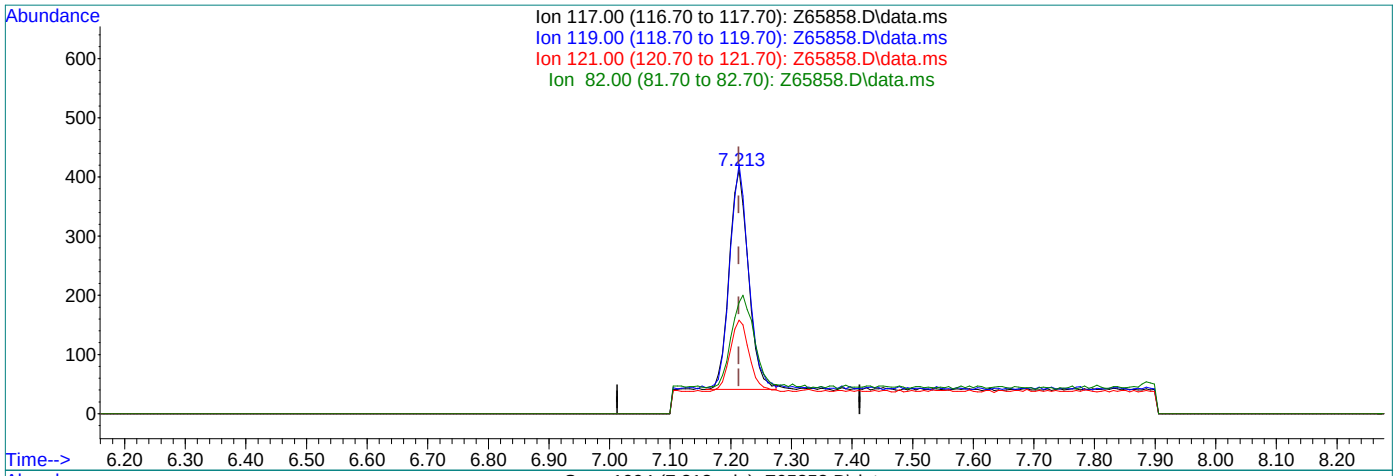
response 1025

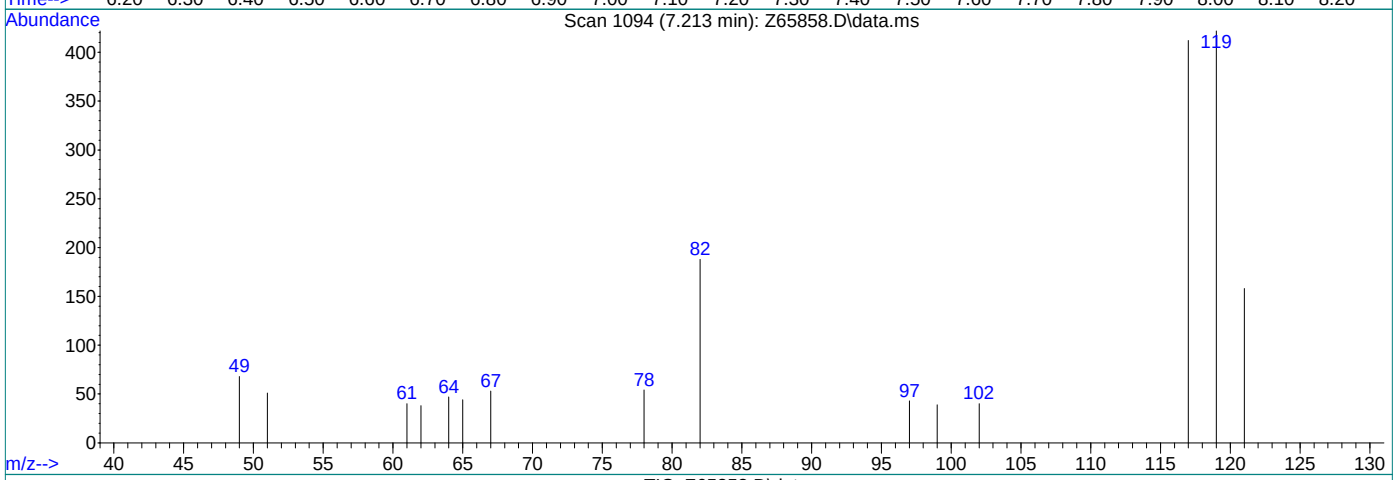
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.16
121.00	31.60	32.35
82.00	24.20	39.35

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65858.D
Acq On : 10 Sep 2021 9:57 pm
Operator : CHARLENG
Sample : FA88606-18
Misc : MS49709,VZ2590,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 08:25:28 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65858.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.14ug/L m

response 816

Ion	Exp%	Act%
117.00	100	100
119.00	94.80	102.43
121.00	31.60	38.35
82.00	24.20	45.63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65859.D
Acq On : 10 Sep 2021 10:17 pm
Operator : CHARLENG
Sample : FA88606-19
Misc : MS49711,VZ2590,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 08:42:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

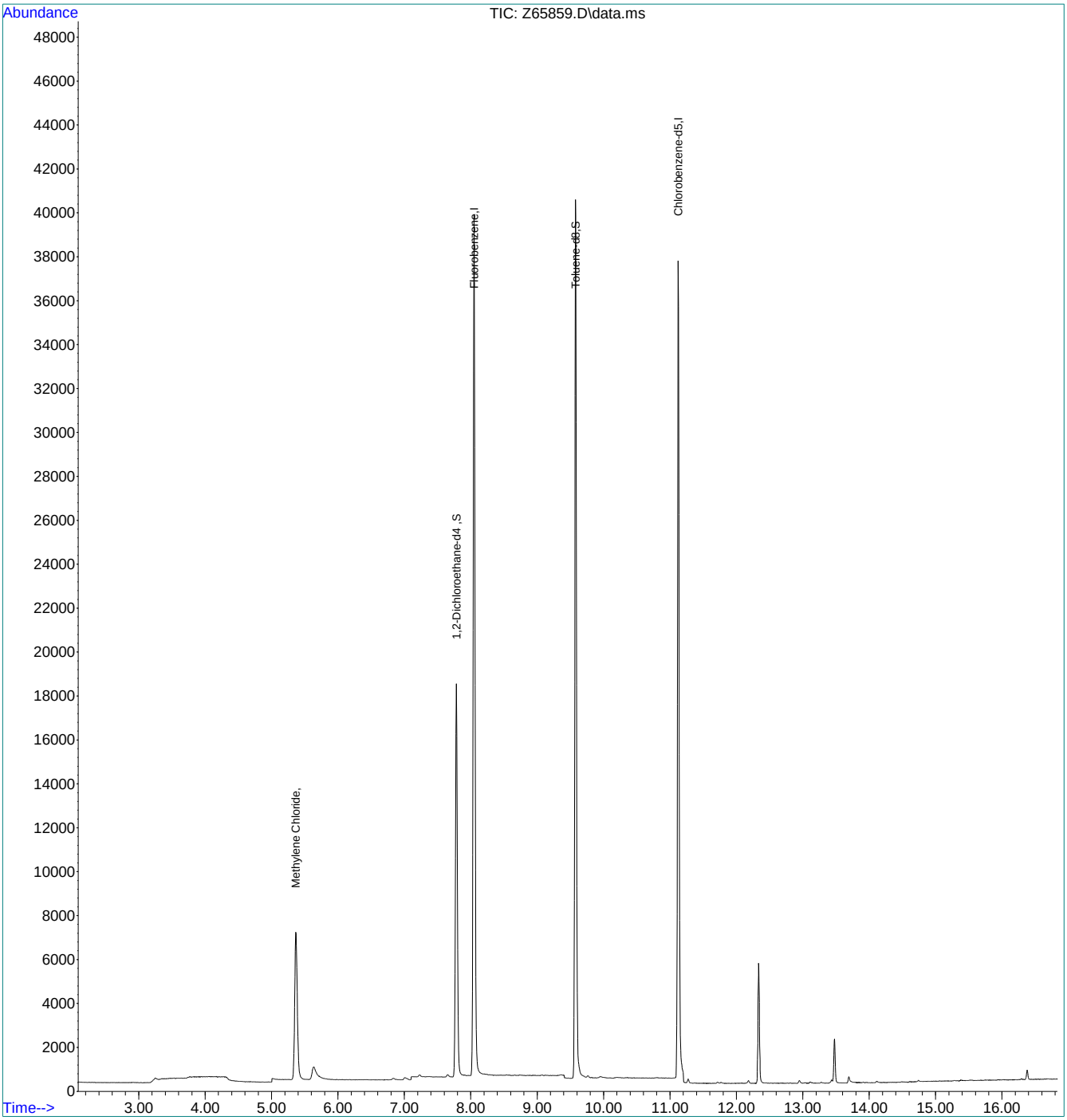
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	48042	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	37579	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	17197	5.30	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 106.00%			
19) Toluene-d8	9.577	98	41141	4.53	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 90.60%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	6192	0.85	ug/L	# 62

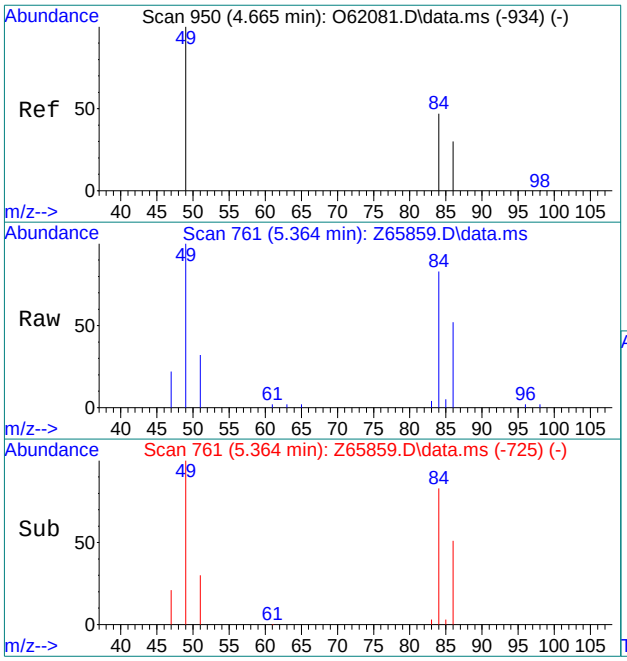
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65859.D
Acq On : 10 Sep 2021 10:17 pm
Operator : CHARLENG
Sample : FA88606-19
Misc : MS49711,VZ2590,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 08:42:20 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

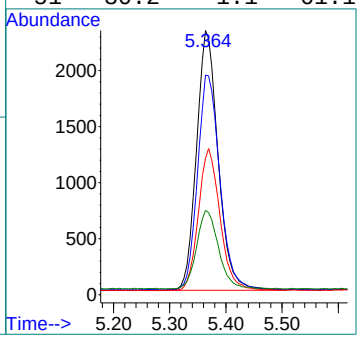




#5
Methylene Chloride
Concen: 0.85 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65859.D
Acq: 10 Sep 2021 10:17 pm

Tgt Ion: 49 Resp: 6192

Ion	Ratio	Lower	Upper
49	100		
84	82.6	13.9	73.9#
86	50.8	0.0	58.0
51	30.2	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65839.D
Acq On : 10 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : mb
Misc : MS49753,VZ2590,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:22:50 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

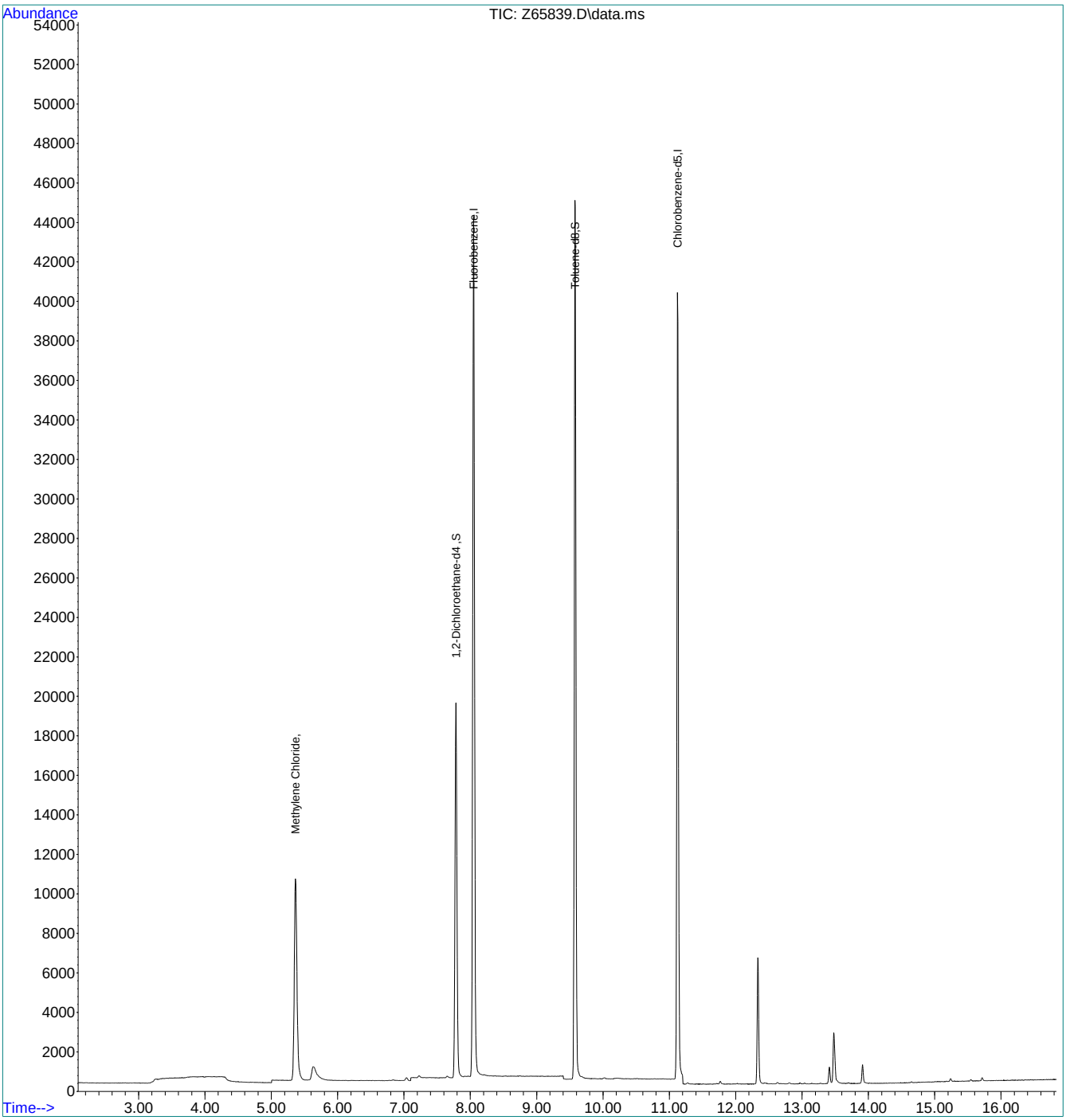
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	53250	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40565	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	18532	5.15	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 103.00%			
19) Toluene-d8	9.576	98	45274	4.61	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 92.20%			
Target Compounds						Qvalue
5) Methylene Chloride	5.364	49	9766	1.22	ug/L	# 61

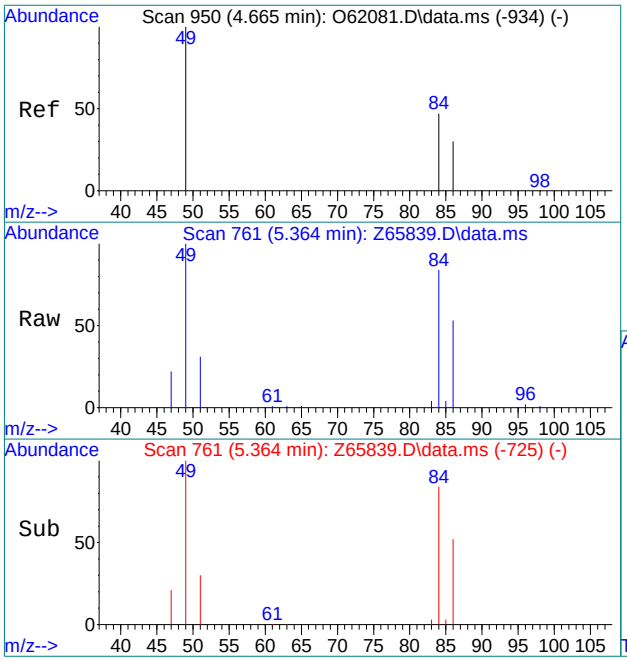
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65839.D
Acq On : 10 Sep 2021 3:29 pm
Operator : CHARLENG
Sample : mb
Misc : MS49753,VZ2590,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:22:50 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

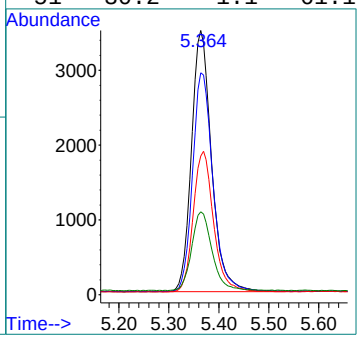




#5
Methylene Chloride
Concen: 1.22 ug/L
RT: 5.364 min Scan# 761
Delta R.T. -0.000 min
Lab File: Z65839.D
Acq: 10 Sep 2021 3:29 pm

Tgt Ion: 49 Resp: 9766

Ion	Ratio	Lower	Upper
49	100		
84	83.6	13.9	73.9#
86	52.0	0.0	58.0
51	30.2	1.1	61.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65838.D
Acq On : 10 Sep 2021 3:09 pm
Operator : CHARLENG
Sample : bs
Misc : MS49753,VZ2590,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 15:41:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

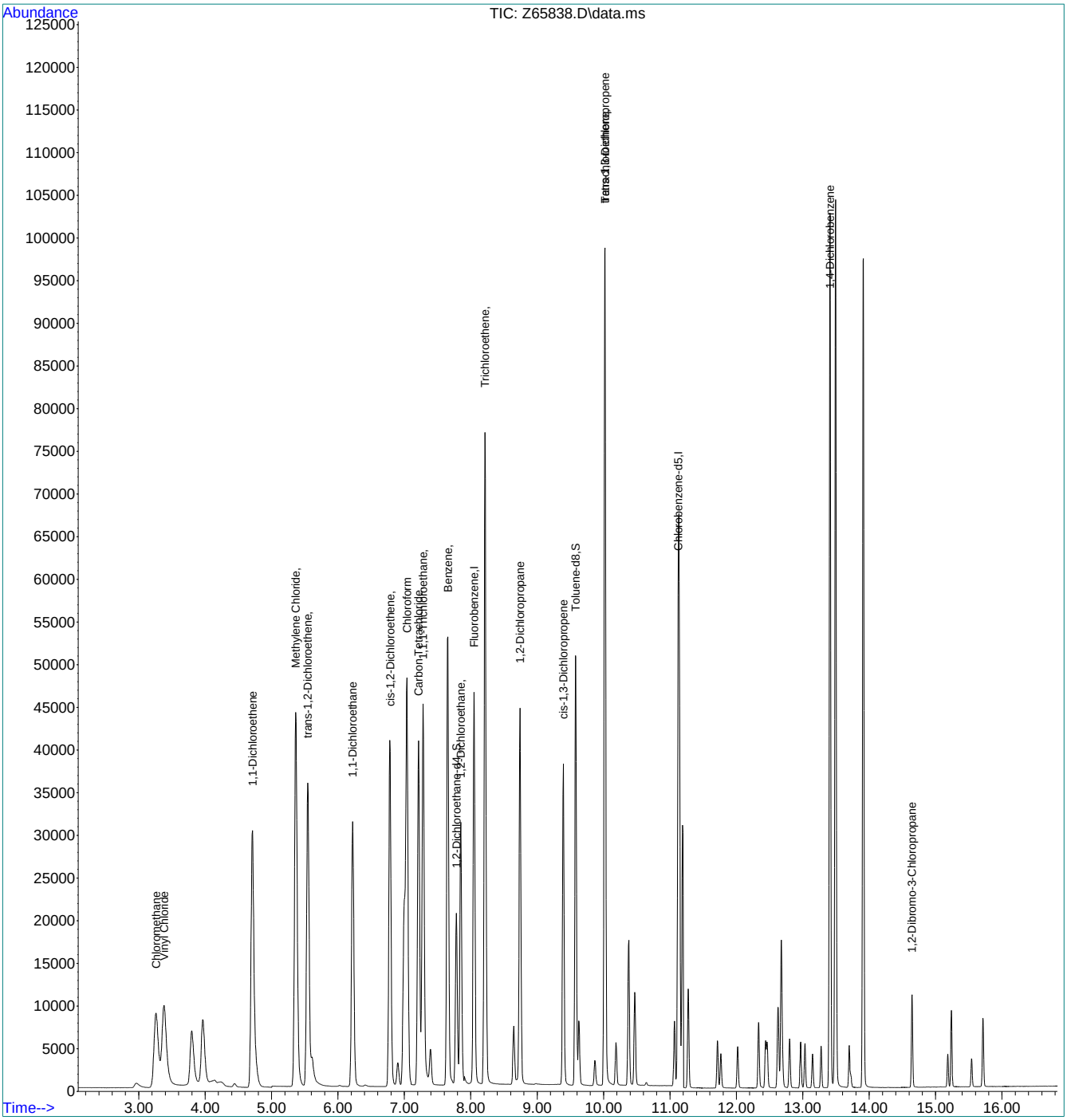
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	56276	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	46836	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19174	5.04	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 100.80%				
19) Toluene-d8	9.576	98	50718	4.48	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.60%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	29964	5.08	ug/L		97
3) Chloromethane	3.263	50	30137	4.94	ug/L		99
4) 1,1-Dichloroethene	4.713	61	37506	5.06	ug/L		99
5) Methylene Chloride	5.364	49	41542	4.89	ug/L	#	61
6) trans-1,2-Dichloroethene	5.545	61	34879	5.03	ug/L		78
7) 1,1-Dichloroethane	6.221	63	43087	5.35	ug/L		95
8) cis-1,2-Dichloroethene	6.786	96	27147	5.11	ug/L	#	70
9) Chloroform	7.039	83	49698	5.04	ug/L		86
10) Carbon Tetrachloride	7.213	117	34326	5.21	ug/L		98
11) 1,1,1-Trichloroethane	7.281	97	41475	5.16	ug/L		87
12) Benzene	7.655	78	89951	4.97	ug/L		79
14) 1,2-Dichloroethane	7.851	62	31533	4.85	ug/L		85
15) Trichloroethene	8.214	95	27847	5.31	ug/L		92
16) 1,2-Dichloropropane	8.742	63	22890	5.03	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	32478	4.45	ug/L	#	67
20) trans-1,3-Dichloropropene	10.022	75	29189	4.21	ug/L	#	72
21) Tetrachloroethene	10.022	166	31088	5.52	ug/L	#	98
22) 1,4-Dichlorobenzene	13.410	146	62956	5.18	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3773	3.85	ug/L	#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65838.D
Acq On : 10 Sep 2021 3:09 pm
Operator : CHARLENG
Sample : bs
Misc : MS49753,VZ2590,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 15:41:51 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Sat Sep 11 08:49:57 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65860.D
Acq On : 10 Sep 2021 10:37 pm
Operator : CHARLENG
Sample : FA88606-3MS
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 08:25:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

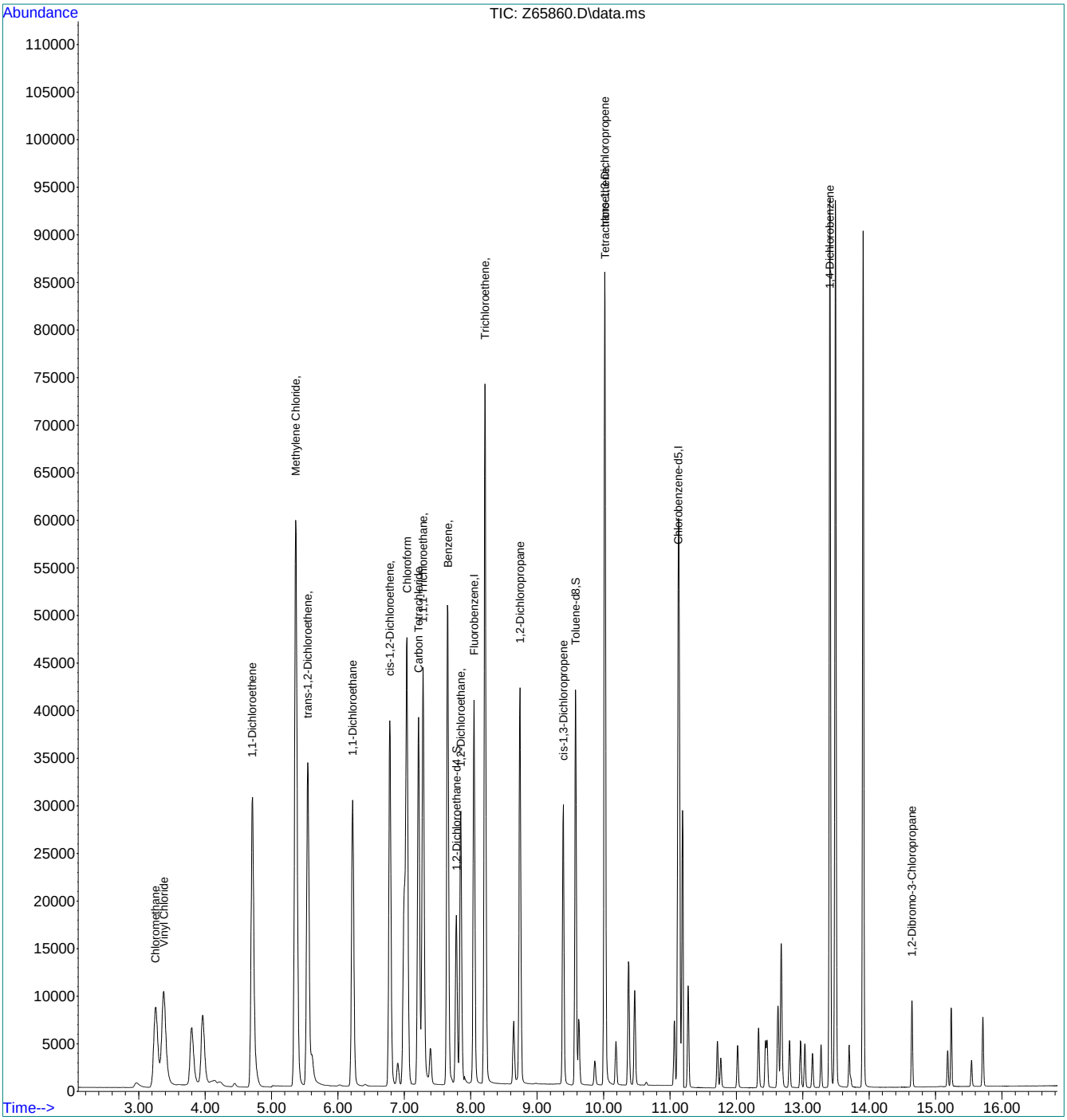
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	48704	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	40059	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	16804	5.11	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%				
19) Toluene-d8	9.576	98	41564	4.29	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 85.80%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	28044	5.49	ug/L		97
3) Chloromethane	3.251	50	28646	5.42	ug/L		98
4) 1,1-Dichloroethene	4.708	61	35251	5.49	ug/L		99
5) Methylene Chloride	5.364	49	54718	7.45	ug/L	#	60
6) trans-1,2-Dichloroethene	5.545	61	32812	5.46	ug/L		76
7) 1,1-Dichloroethane	6.221	63	41351	5.93	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	25657	5.58	ug/L	#	73
9) Chloroform	7.039	83	48848	5.72	ug/L		86
10) Carbon Tetrachloride	7.213	117	32635	5.72	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	40265	5.79	ug/L		87
12) Benzene	7.655	78	85667	5.46	ug/L		79
14) 1,2-Dichloroethane	7.851	62	29532	5.25	ug/L		86
15) Trichloroethene	8.214	95	26538	5.84	ug/L		91
16) 1,2-Dichloropropane	8.742	63	21746	5.53	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	25485	4.04	ug/L	#	66
20) trans-1,3-Dichloropropene	10.017	75	22512	3.81	ug/L	#	72
21) Tetrachloroethene	10.022	166	28293	5.87	ug/L	#	99
22) 1,4-Dichlorobenzene	13.407	146	57197	5.51	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3123	3.73	ug/L	#	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65860.D
Acq On : 10 Sep 2021 10:37 pm
Operator : CHARLENG
Sample : FA88606-3MS
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 08:25:32 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Sat Sep 11 08:49:59 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65861.D
Acq On : 10 Sep 2021 10:57 pm
Operator : CHARLENG
Sample : FA88606-3MSD
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 08:25:34 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

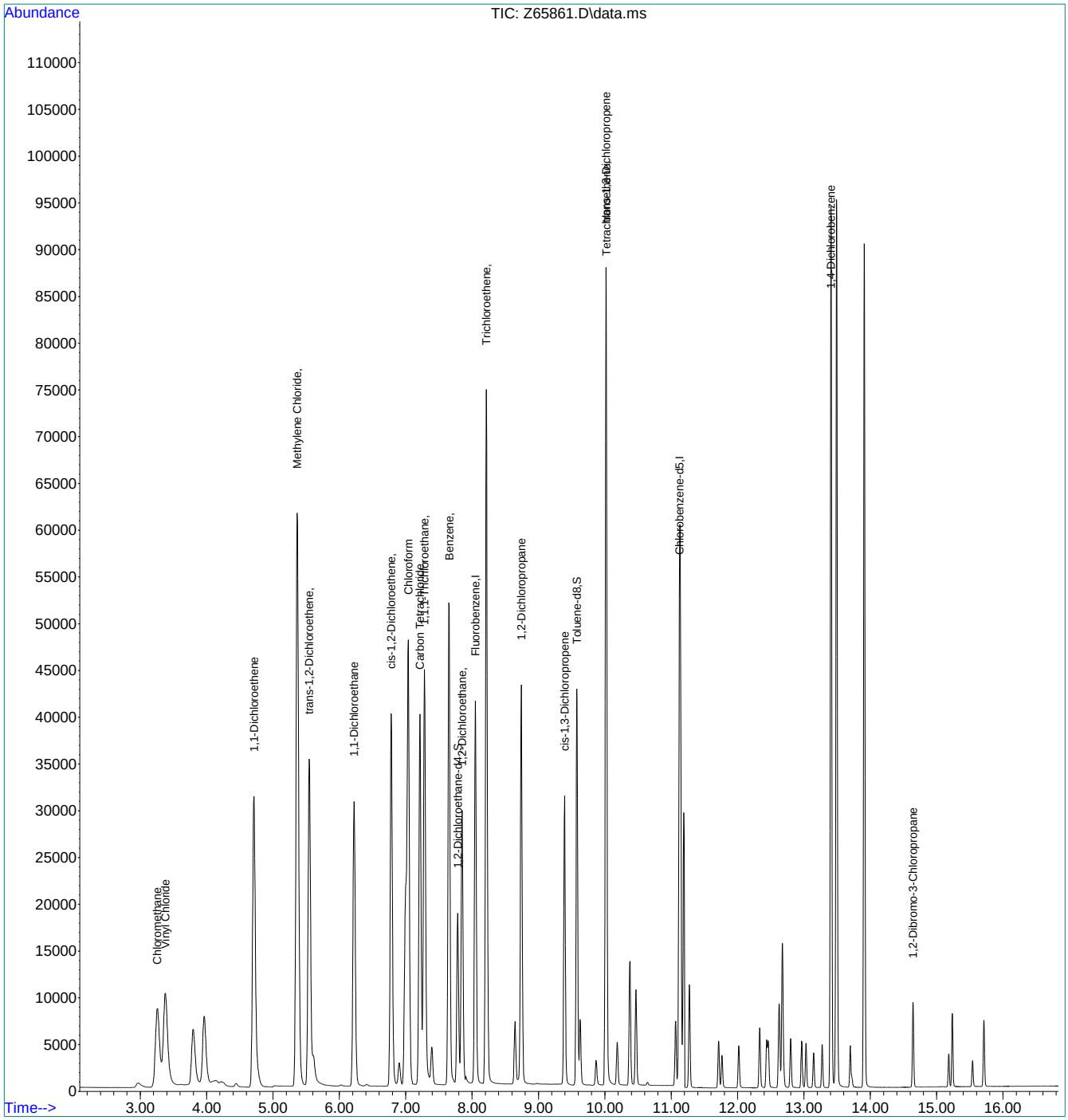
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	49981	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	40502	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17244	5.11	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 102.20%			
19) Toluene-d8	9.576	98	42414	4.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 86.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	28610	5.46	ug/L	97
3) Chloromethane	3.255	50	29051	5.35	ug/L	99
4) 1,1-Dichloroethene	4.713	61	36370	5.52	ug/L	99
5) Methylene Chloride	5.364	49	56901	7.54	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	33732	5.47	ug/L	77
7) 1,1-Dichloroethane	6.221	63	42309	5.92	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	26393	5.60	ug/L #	73
9) Chloroform	7.039	83	49842	5.69	ug/L	87
10) Carbon Tetrachloride	7.213	117	33218	5.67	ug/L	98
11) 1,1,1-Trichloroethane	7.281	97	41097	5.76	ug/L	87
12) Benzene	7.655	78	87334	5.43	ug/L	78
14) 1,2-Dichloroethane	7.851	62	30208	5.24	ug/L	86
15) Trichloroethene	8.214	95	27045	5.80	ug/L	91
16) 1,2-Dichloropropane	8.742	63	22009	5.45	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	26324	4.07	ug/L #	67
20) trans-1,3-Dichloropropene	10.017	75	23417	3.92	ug/L #	73
21) Tetrachloroethene	10.022	166	28415	5.83	ug/L #	98
22) 1,4-Dichlorobenzene	13.407	146	58058	5.53	ug/L	97
23) 1,2-Dibromo-3-Chloropr...	14.643	75	3228	3.81	ug/L #	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65861.D
Acq On : 10 Sep 2021 10:57 pm
Operator : CHARLENG
Sample : FA88606-3MSD
Misc : MS49709,VZ2590,,,,,5
ALS Vial : 27 Sample Multiplier: 1

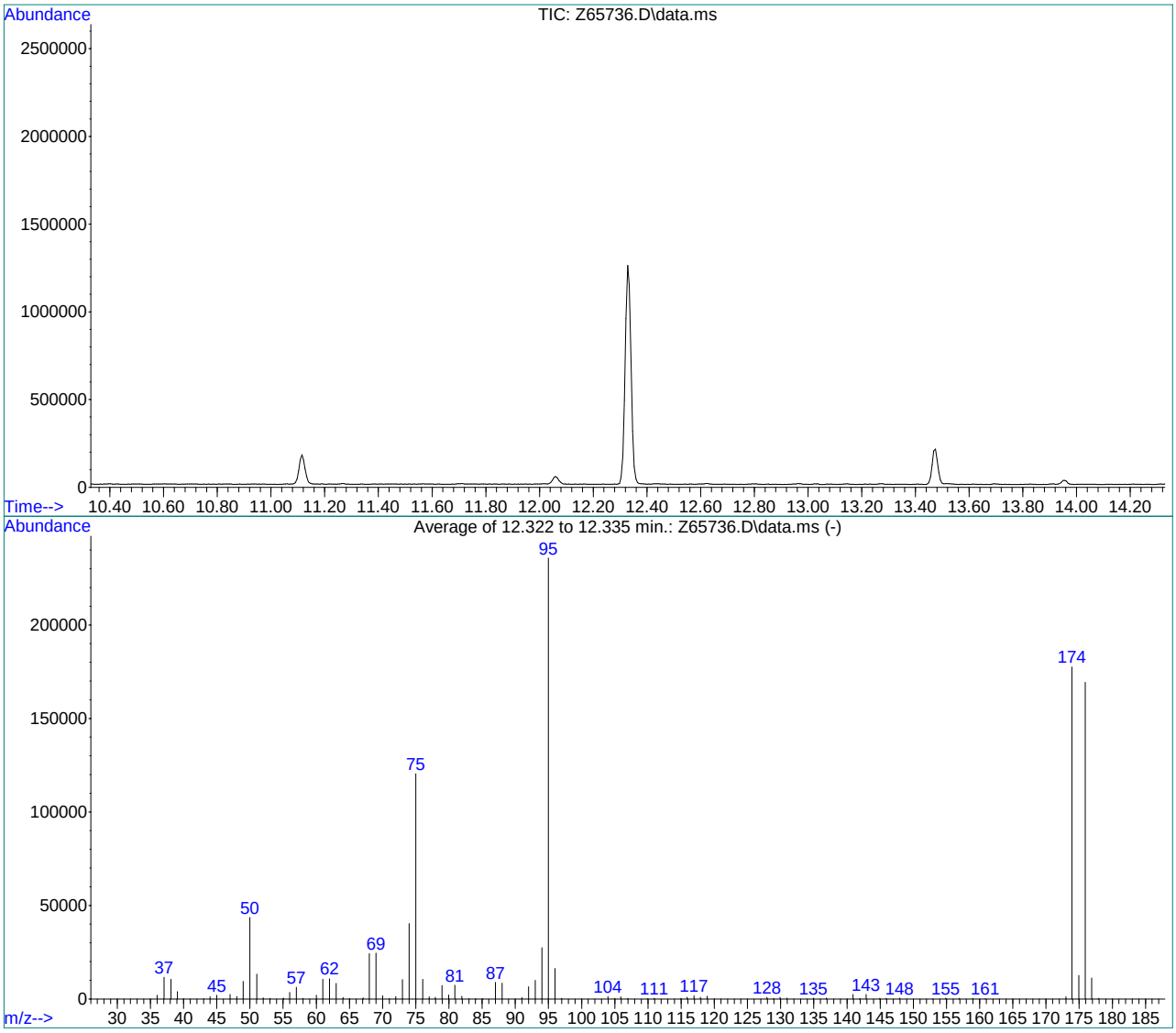
Quant Time: Sep 11 08:25:34 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-07\Z65736.D Vial: 1
Acq On : 7 Sep 2021 8:35 am Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49506,VZ2586,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-02-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

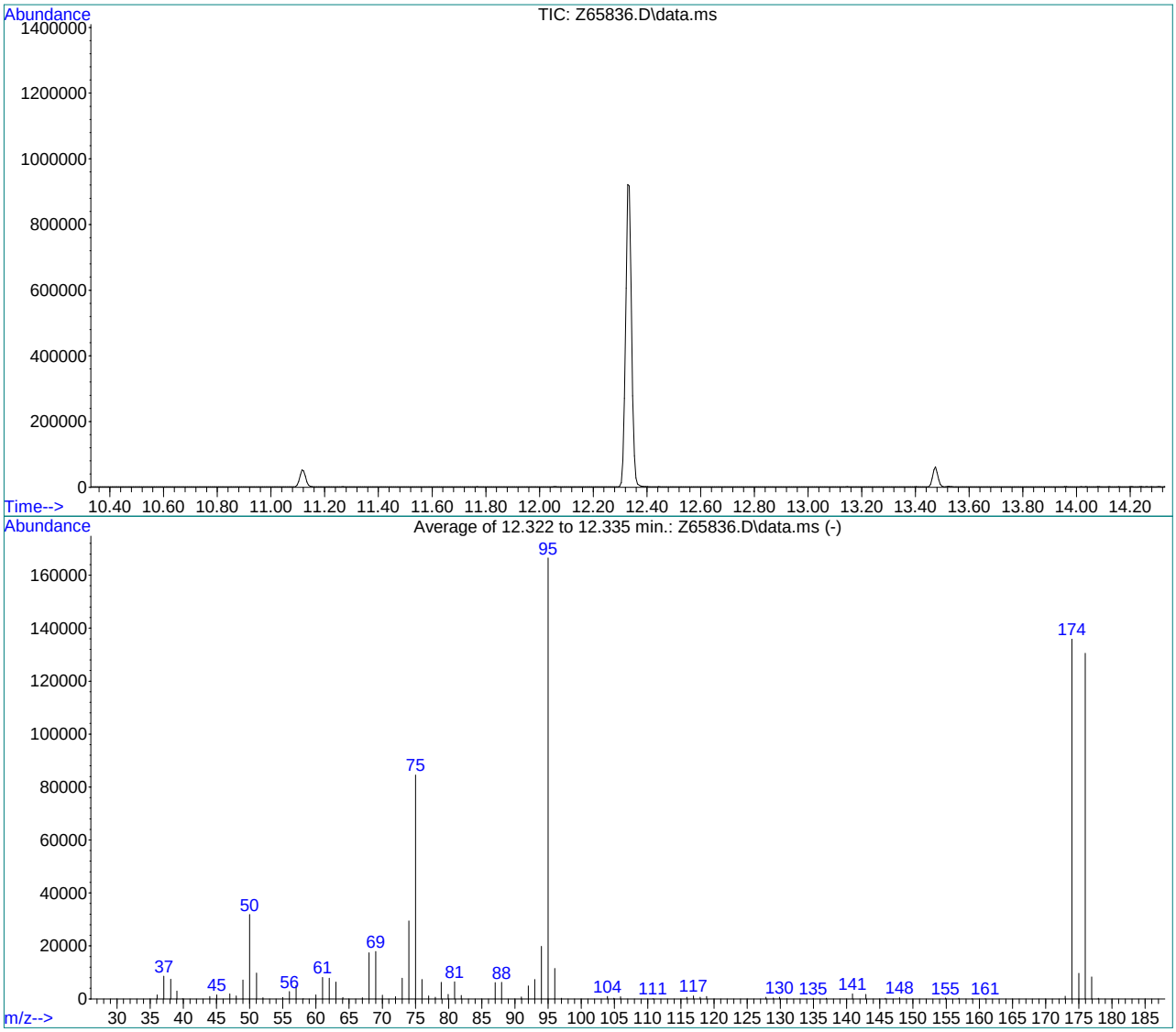
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	43592	PASS
75	95	30	60	51.1	120435	PASS
95	95	100	100	100.0	235755	PASS
96	95	5	9	6.9	16239	PASS
173	174	0.00	2	0.6	1121	PASS
174	95	50	100	75.3	177536	PASS
175	174	5	9	7.1	12644	PASS
176	174	95	101	95.3	169256	PASS
177	176	5	9	6.7	11265	PASS

Z65736.D SIMCL-09-02-2021.M Tue Sep 07 11:09:28 2021

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\2021-09-10\Z65836.D Vial: 2
Acq On : 10 Sep 2021 2:28 pm Operator: CHARLENG
Sample : bfb Inst : MSVOA15
Misc : MS49753,VZ2590,,,,, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\met...MCL-09-07-2021.M (RTE Integrator)
Title : Standard Methods 6200B



AutoFind: Scans 1843, 1844, 1845; Background Corrected with Scan 1836

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	31824	PASS
75	95	30	60	50.8	84536	PASS
95	95	100	100	100.0	166488	PASS
96	95	5	9	6.9	11528	PASS
173	174	0.00	2	0.7	1001	PASS
174	95	50	100	81.6	135821	PASS
175	174	5	9	7.1	9658	PASS
176	174	95	101	96.1	130525	PASS
177	176	5	9	6.3	8272	PASS

Z65836.D SIMCL-09-07-2021.M Sat Sep 11 08:53:10 2021

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration

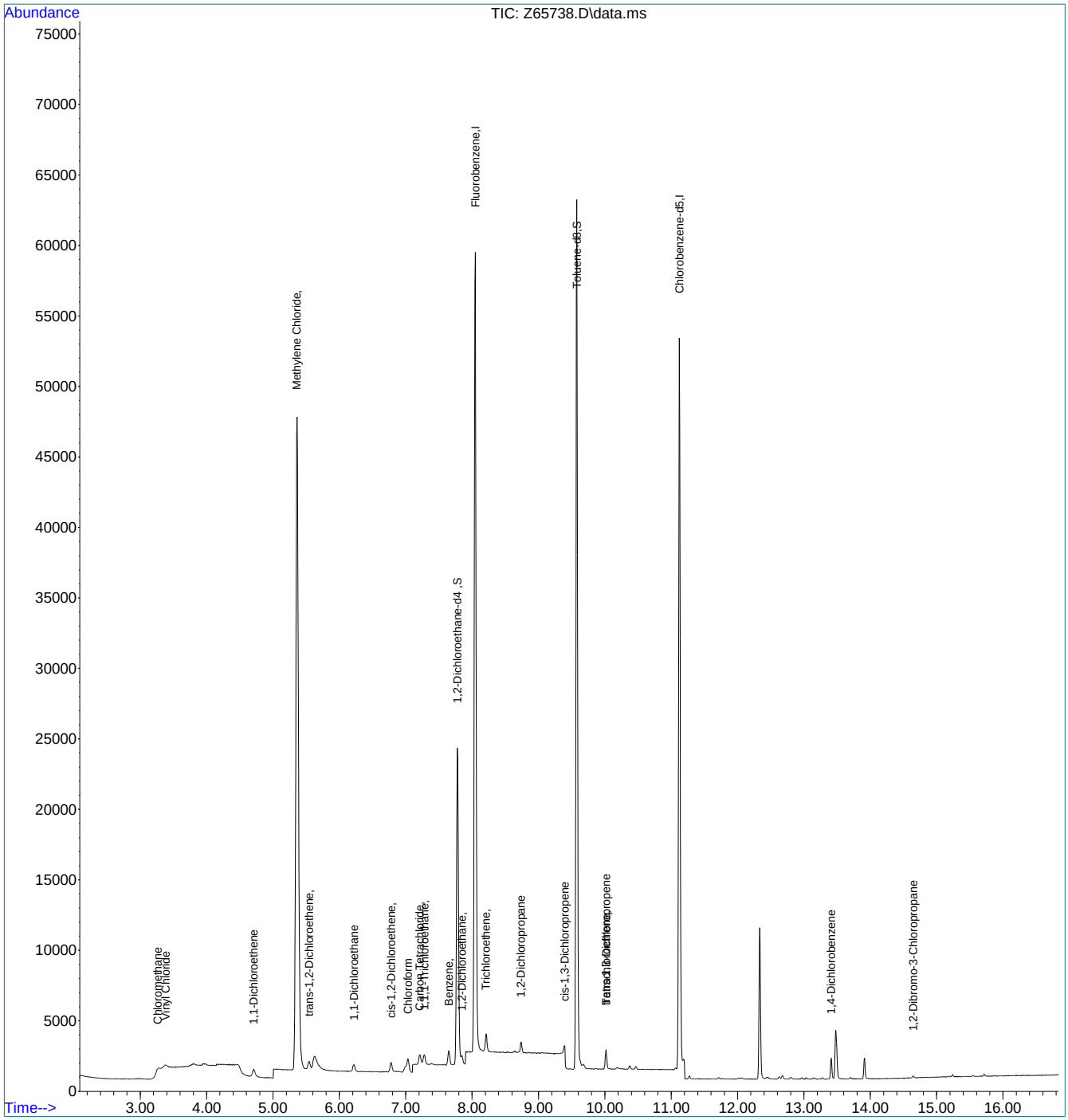
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	68975	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	51570	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	23669	3.99	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 79.80%			
19) Toluene-d8	9.576	98	61736	5.81	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 116.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	690	0.06	ug/L	77
3) Chloromethane	3.259	50	1658m	0.13	ug/L	
4) 1,1-Dichloroethene	4.708	61	658	0.06	ug/L	96
5) Methylene Chloride	5.358	49	43638	3.12	ug/L #	66
6) trans-1,2-Dichloroethene	5.545	61	598	0.06	ug/L	80
7) 1,1-Dichloroethane	6.221	63	701	0.05	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	472	0.06	ug/L #	75
9) Chloroform	7.033	83	998m	0.05	ug/L	
10) Carbon Tetrachloride	7.207	117	576m	0.05	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	741m	0.06	ug/L	
12) Benzene	7.648	78	1720	0.06	ug/L	82
14) 1,2-Dichloroethane	7.845	62	606	0.06	ug/L #	66
15) Trichloroethene	8.208	95	498	0.06	ug/L	97
16) 1,2-Dichloropropane	8.736	63	415	0.06	ug/L	88
17) cis-1,3-Dichloropropene	9.394	75	559	0.06	ug/L #	65
20) trans-1,3-Dichloropropene	10.017	75	395	0.06	ug/L	79
21) Tetrachloroethene	10.017	166	436	0.06	ug/L #	93
22) 1,4-Dichlorobenzene	13.410	146	936m	0.07	ug/L	
23) 1,2-Dibromo-3-Chloropr...	14.647	75	104m	0.10	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:42:43 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration



Manual Integration Approval Summary

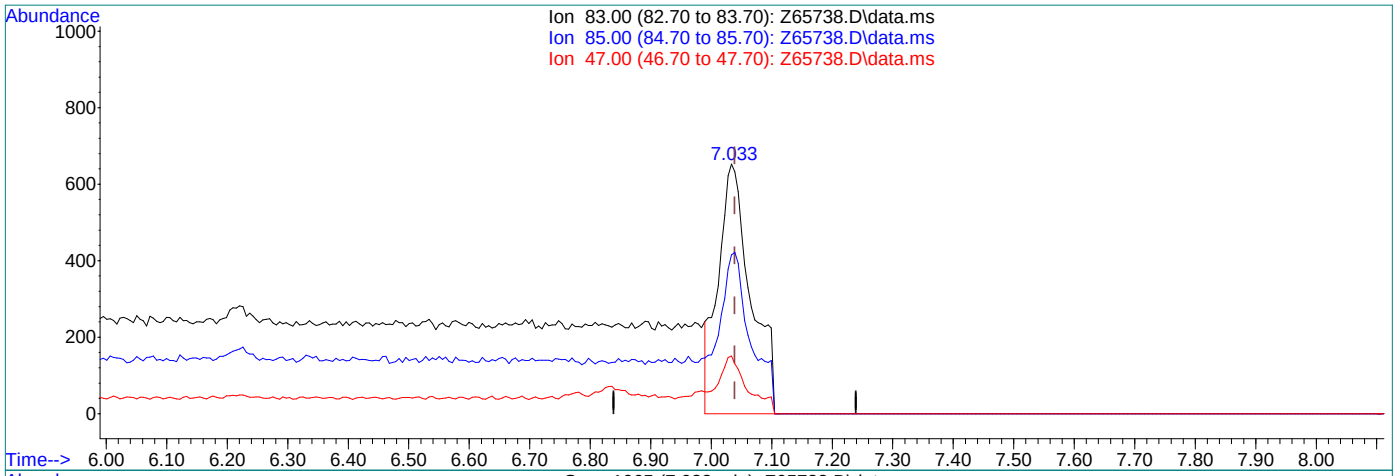
Sample Number: VZ2586-IC2586
Lab FileID: Z65738.D
Injection Time: 09/07/21 10:06
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

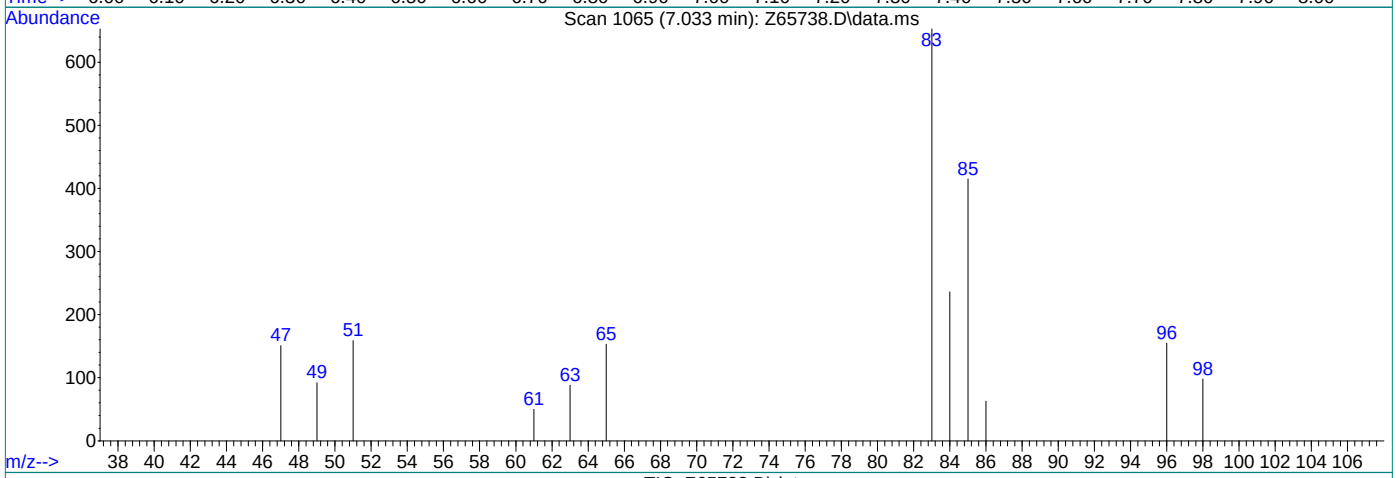
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.26	Overlapping peak
Chloroform	67-66-3		7.03	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,4-Dichlorobenzene	106-46-7		13.41	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.12ug/L

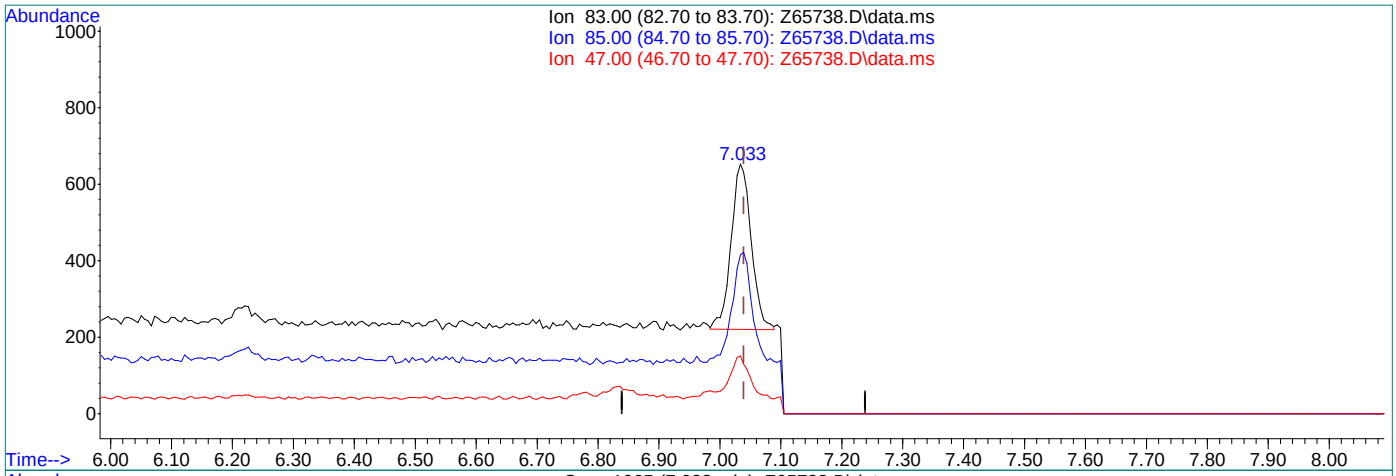
response 2476

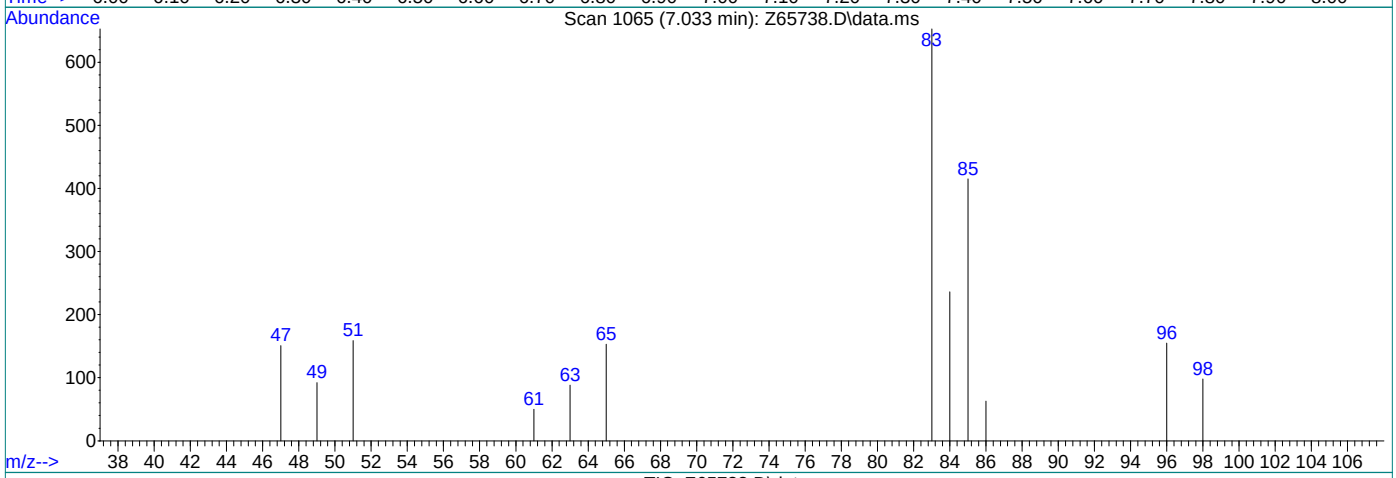
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(9) Chloroform

7.033min (-0.006) 0.05ug/L m

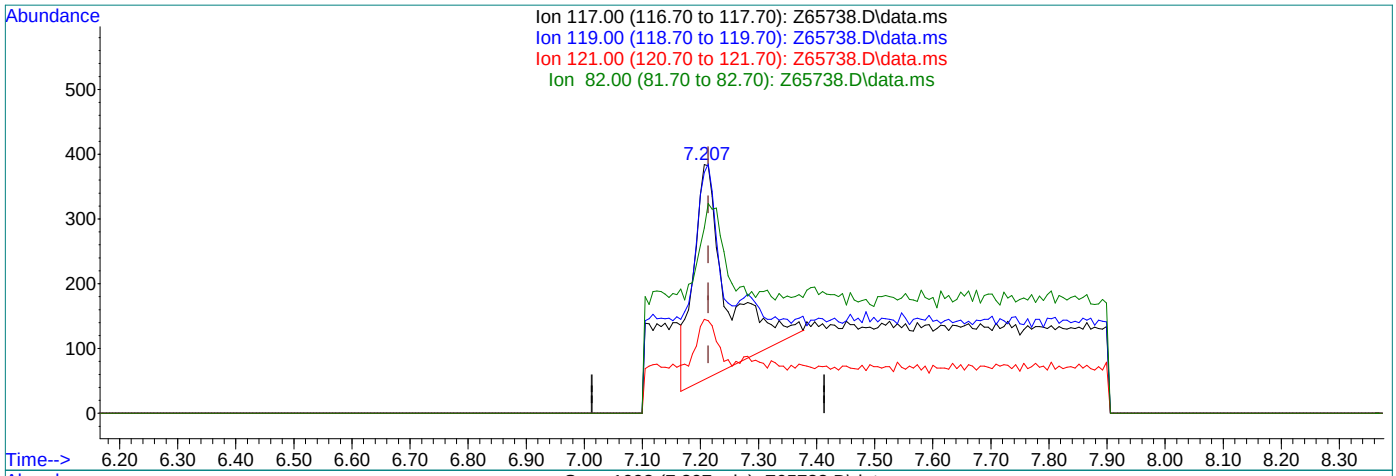
response 998

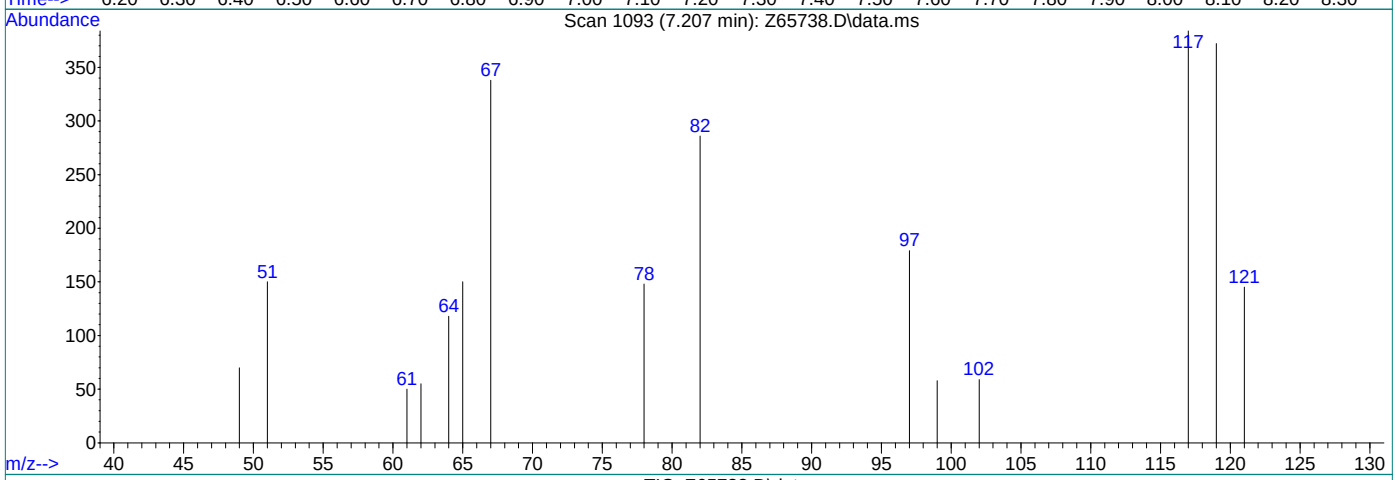
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	63.55
47.00	43.30	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.13ug/L

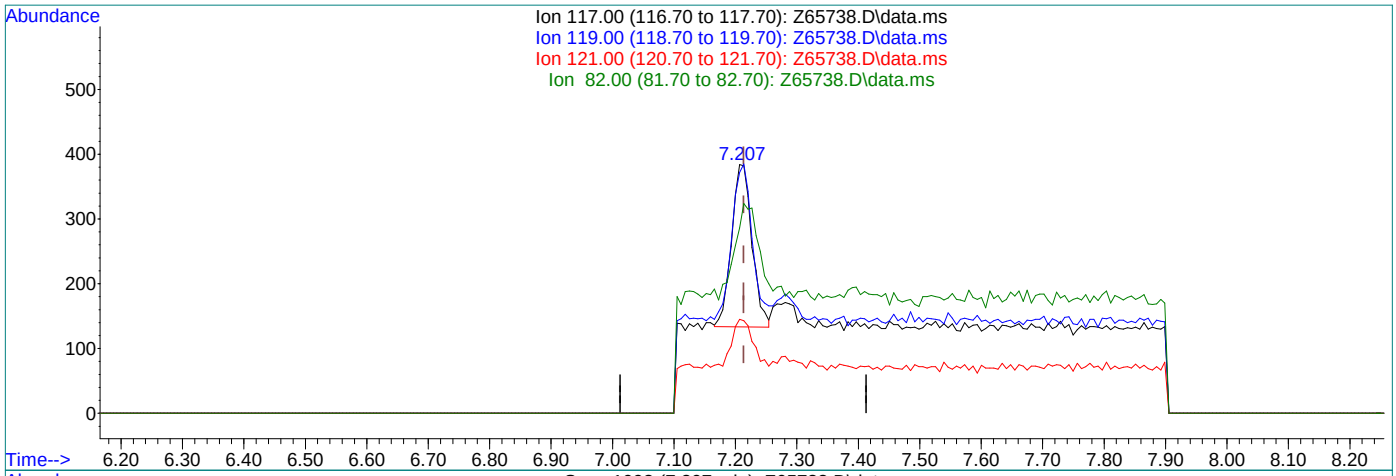
response 1341

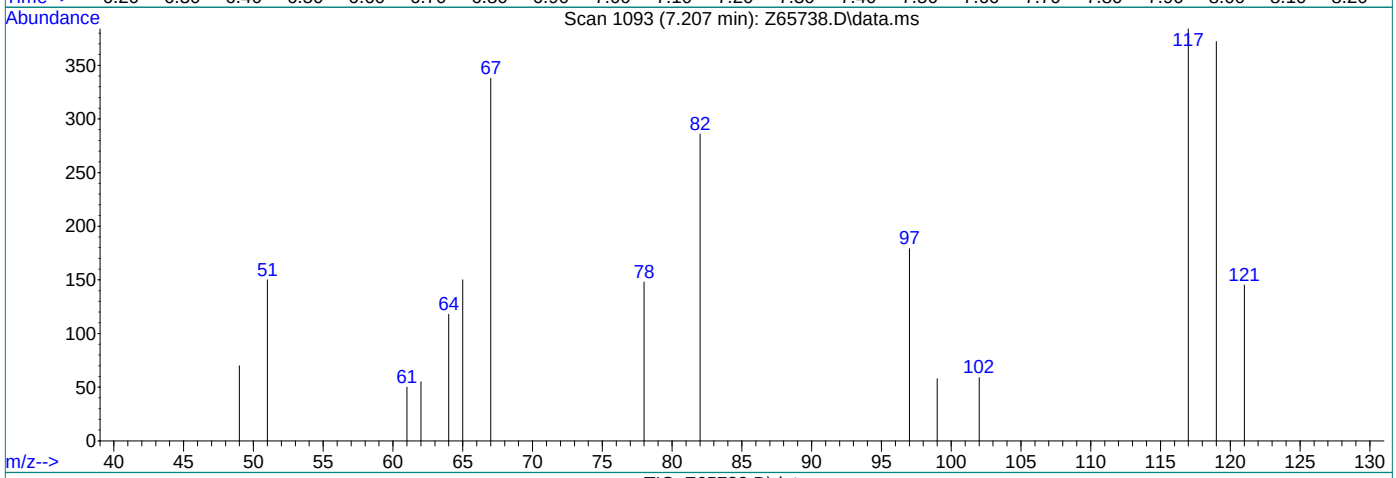
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	88.67
121.00	31.60	27.73
82.00	24.20	41.80

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(10) Carbon Tetrachloride ( )

7.207min (-0.006) 0.05ug/L m

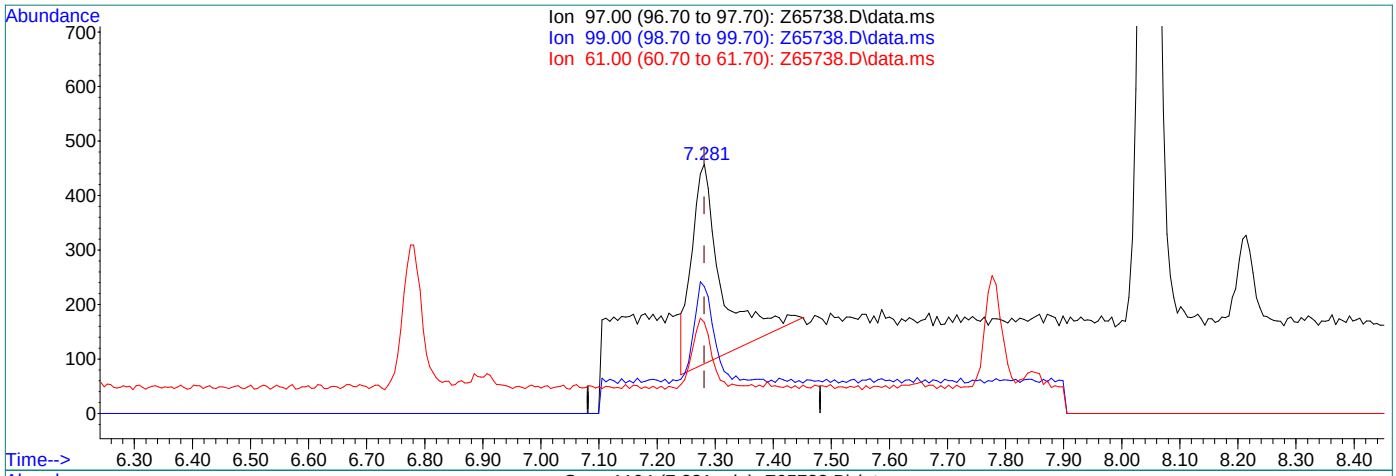
response 576

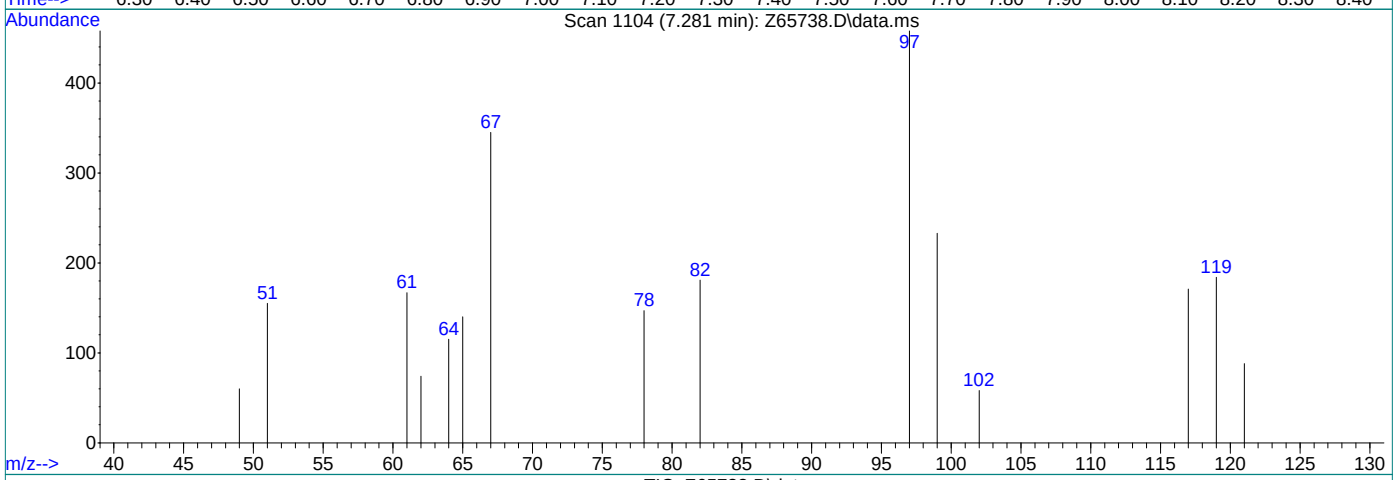
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.88
121.00	31.60	37.76
82.00	24.20	74.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.10ug/L

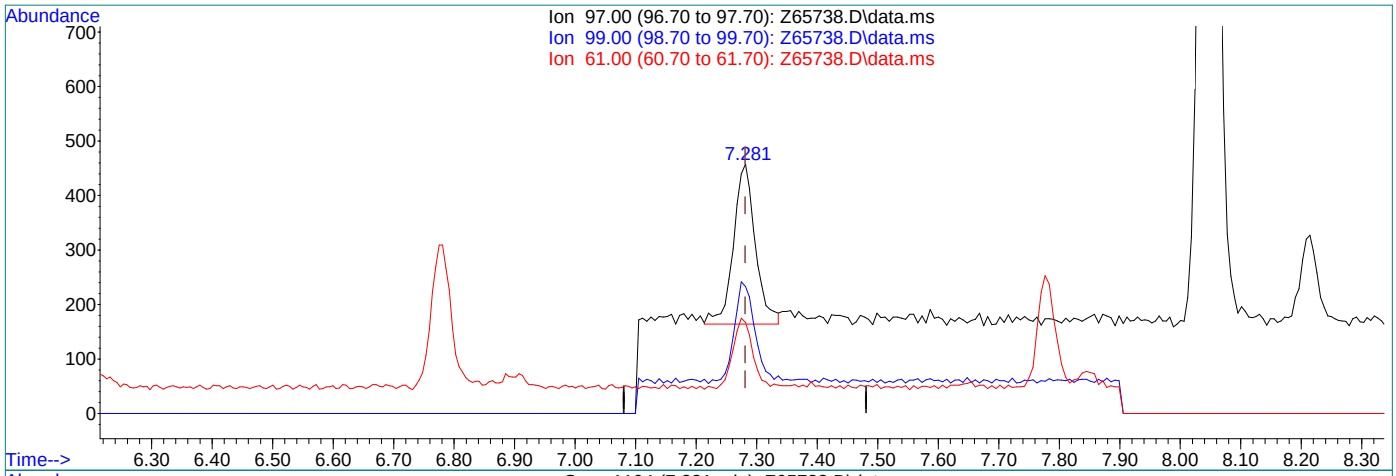
response 1328

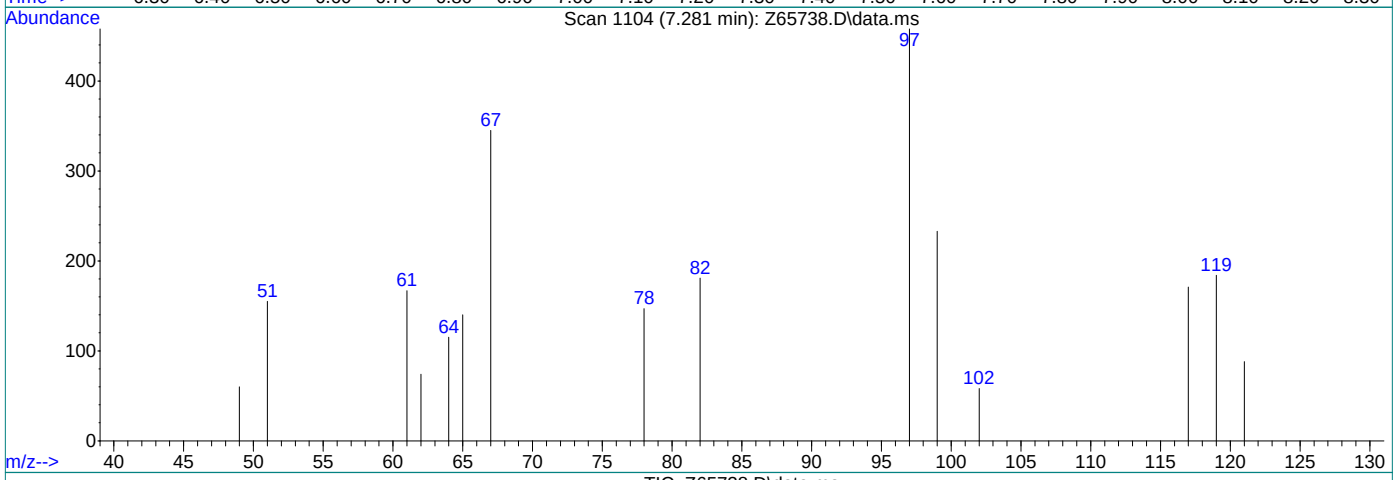
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.77
61.00	61.40	40.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.06ug/L m

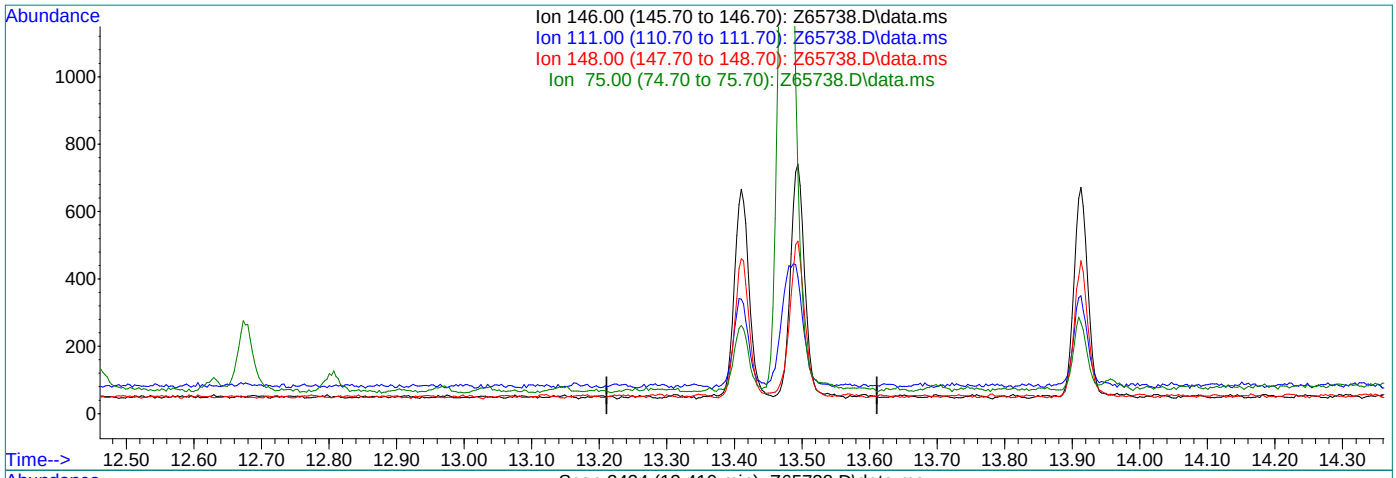
response 741

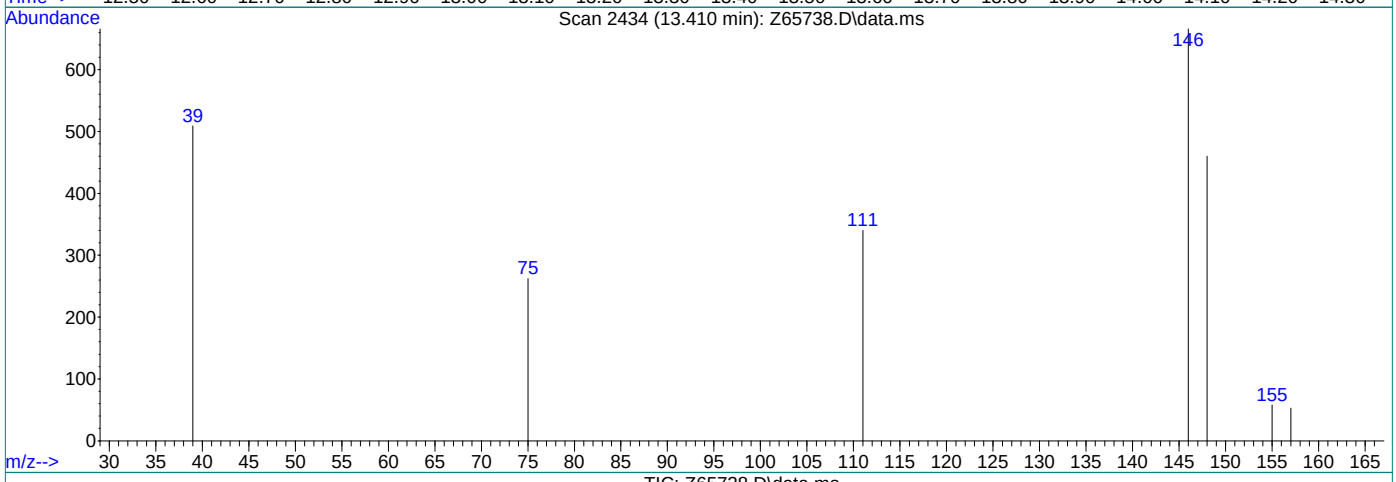
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	50.87
61.00	61.40	36.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.411min (-13.411) 0.00ug/L

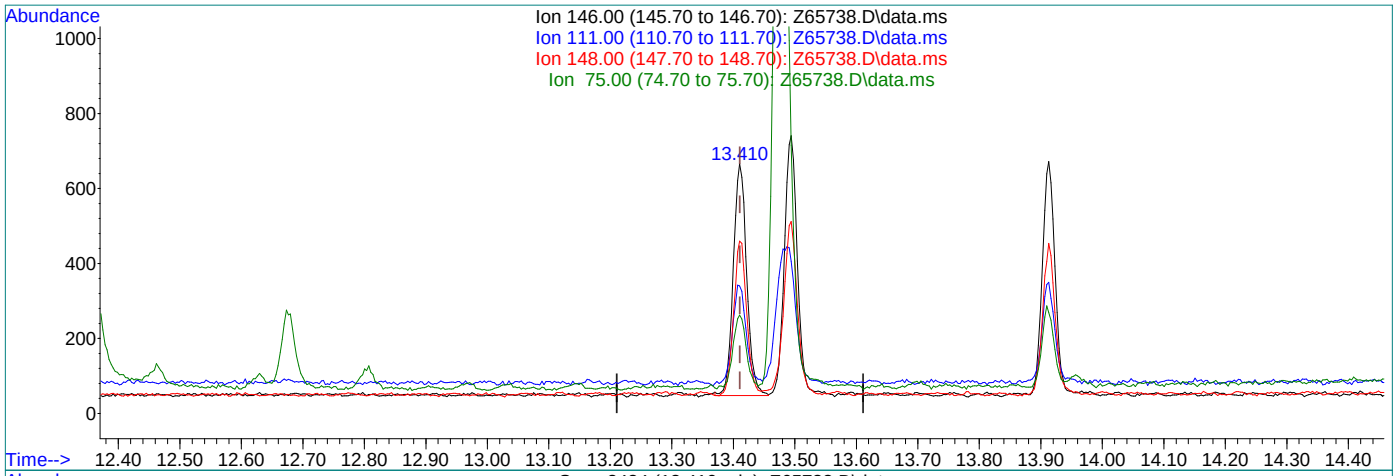
response 0

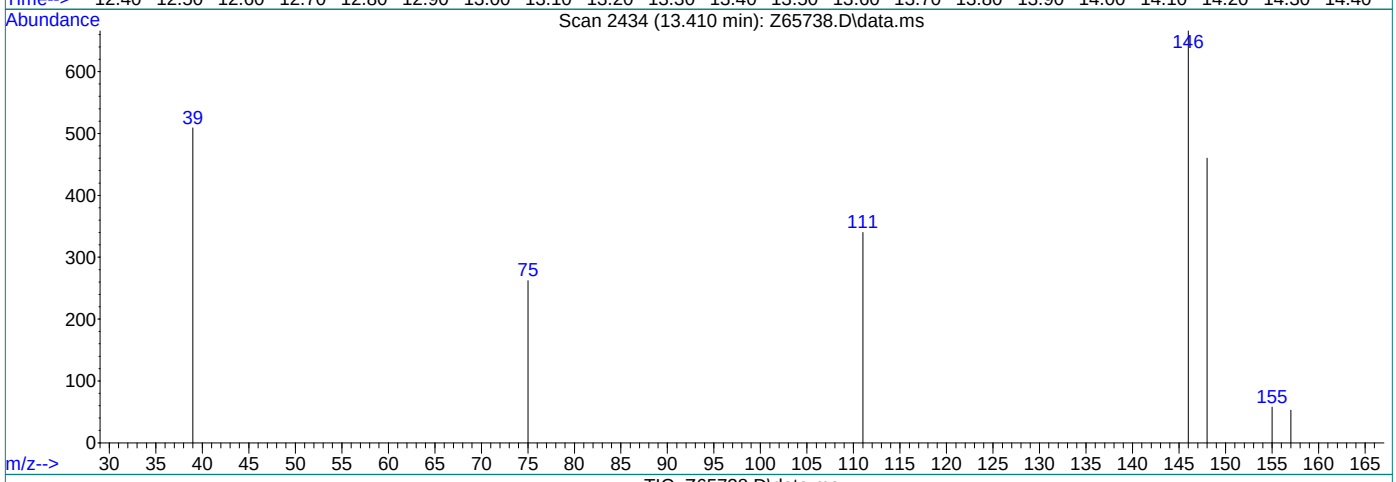
Ion	Exp%	Act%
146.00	100	0.00
111.00	38.50	0.00#
148.00	63.10	0.00#
75.00	17.60	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(22) 1,4-Dichlorobenzene

13.410min (-0.001) 0.07ug/L m

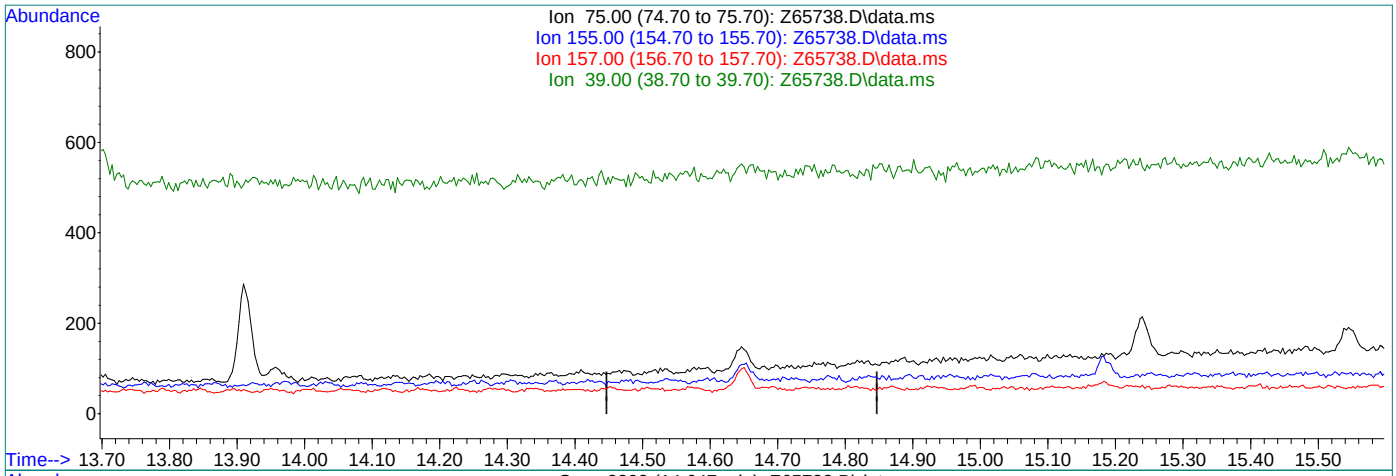
response 936

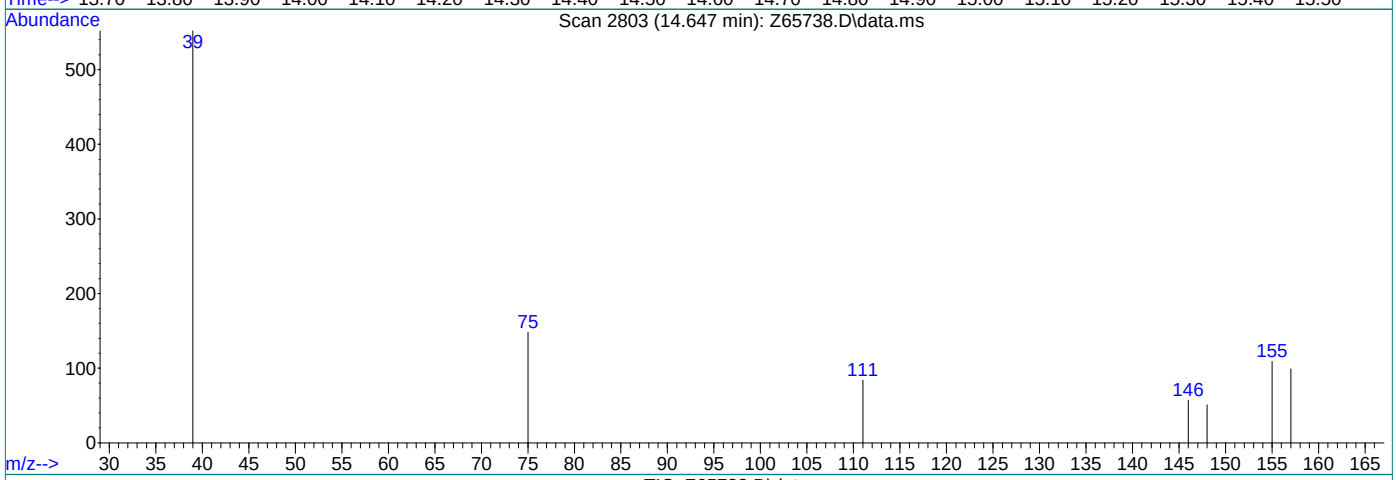
Ion	Exp%	Act%
146.00	100	100
111.00	38.50	51.05
148.00	63.10	69.07
75.00	17.60	39.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

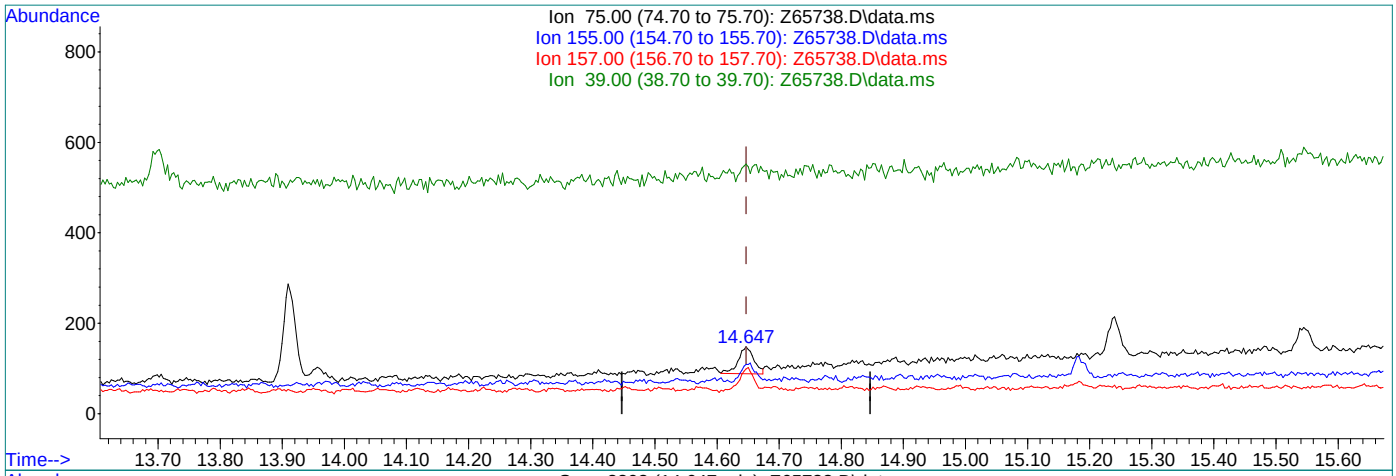
response 0

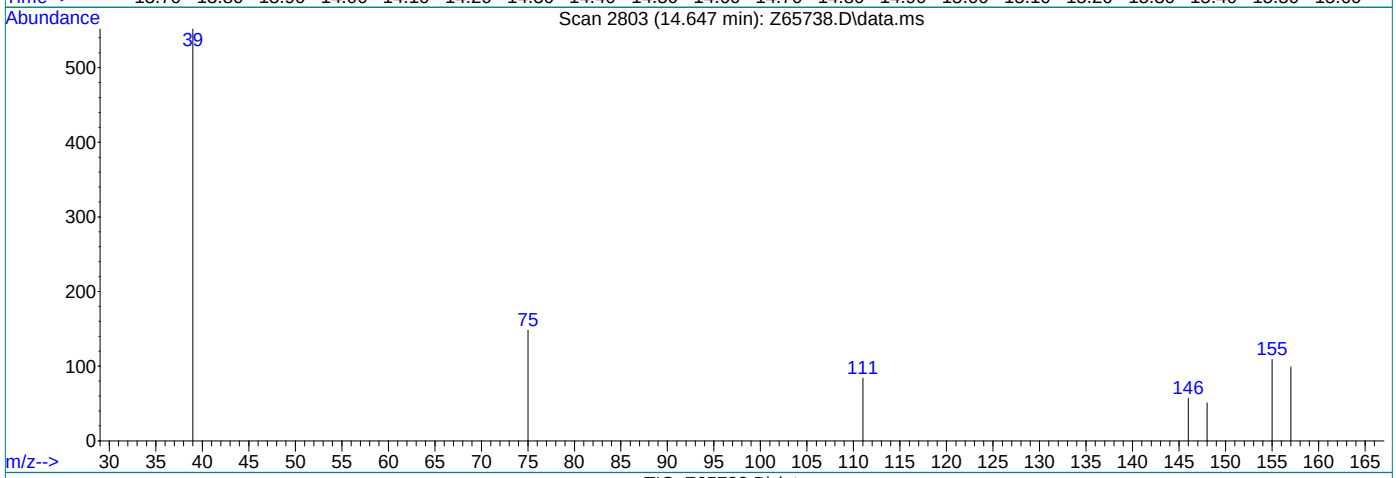
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.10ug/L m

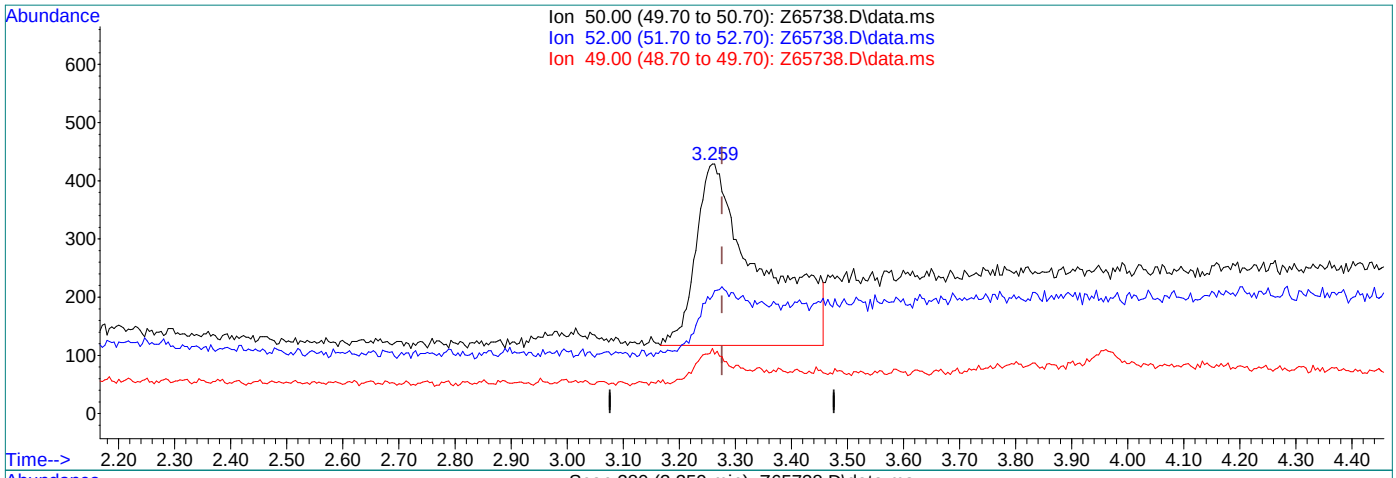
response 104

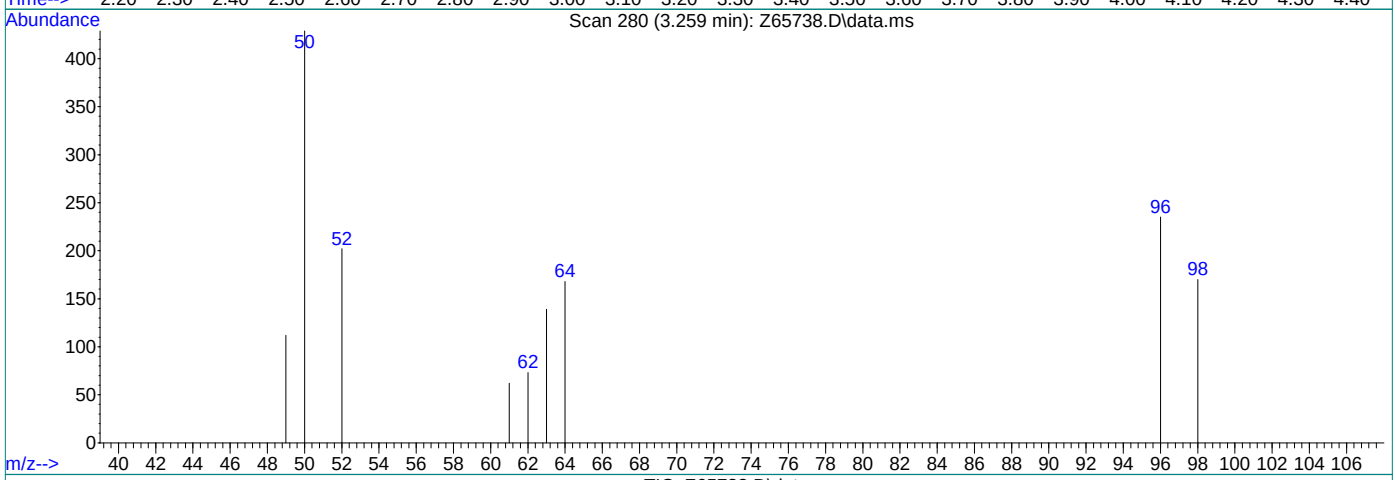
Ion	Exp%	Act%
75.00	100	100
155.00	67.70	73.65
157.00	81.90	66.89
39.00	23.90	372.97#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.19ug/L

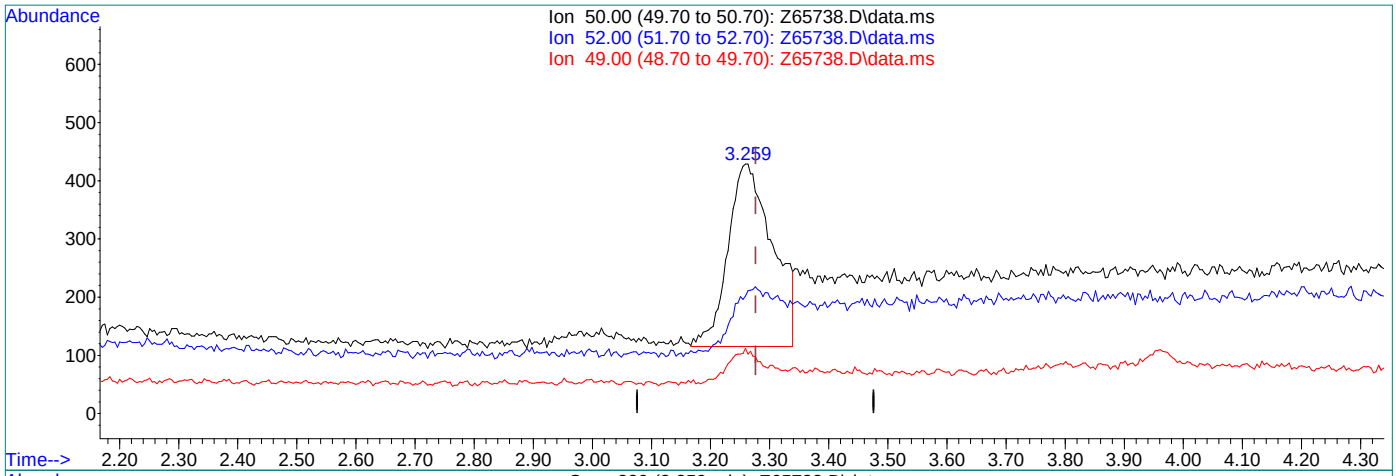
response 2471

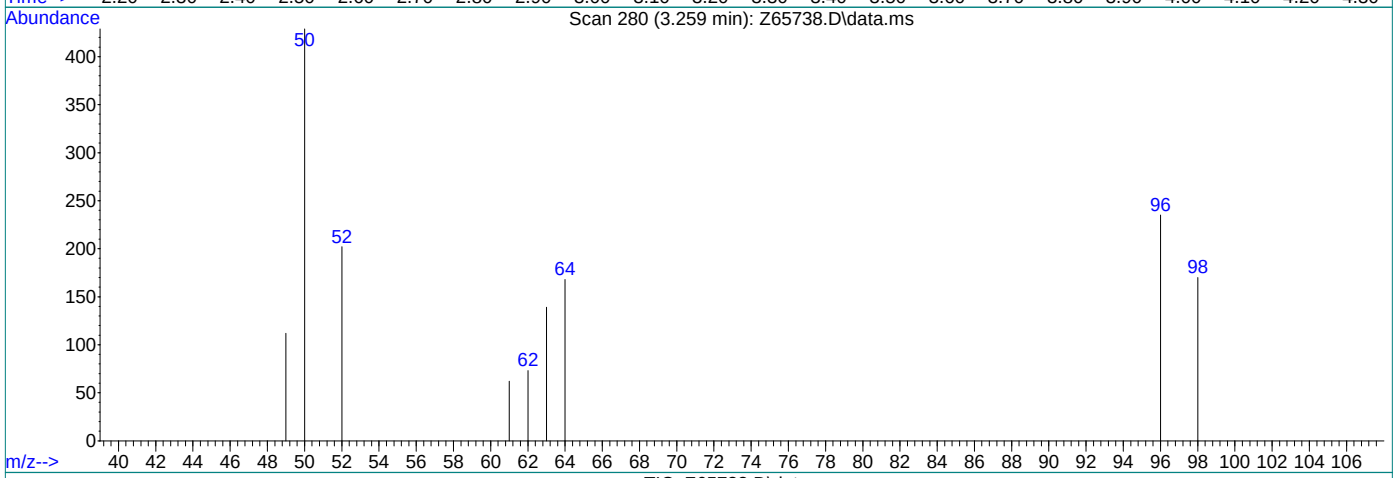
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	30.13
49.00	9.90	18.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65738.D
Acq On : 7 Sep 2021 10:06 am
Operator : CHARLENG
Sample : ic2586-1
Misc : MS49506,VZ2586,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 07 11:40:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Fri Sep 03 09:41:21 2021
Response via : Initial Calibration





TIC: Z65738.D\data.ms

(3) Chloromethane

3.259min (-0.017) 0.13ug/L m

response 1658

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	47.09
49.00	9.90	26.11
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro 09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration

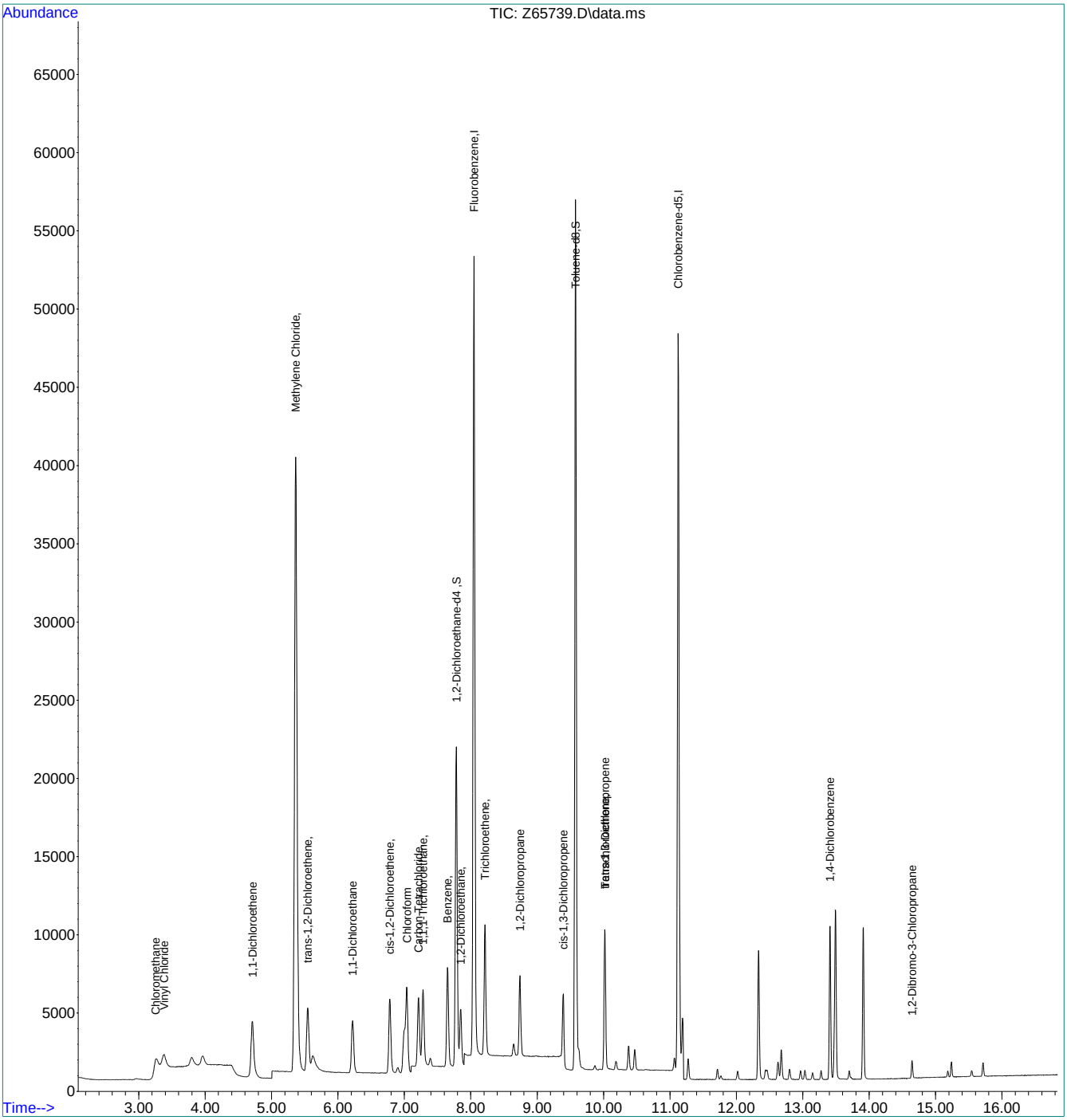
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	61634	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	45214	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	21254	4.20	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 84.00%			
19) Toluene-d8	9.576	98	55507	5.88	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 117.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.381	62	2944m	0.31	ug/L	
3) Chloromethane	3.255	50	4047m	0.38	ug/L	
4) 1,1-Dichloroethene	4.713	61	4309	0.44	ug/L	96
5) Methylene Chloride	5.364	49	36659	0.57	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	4063	0.45	ug/L	81
7) 1,1-Dichloroethane	6.221	63	4733	0.41	ug/L	95
8) cis-1,2-Dichloroethene	6.781	96	3178	0.49	ug/L #	74
9) Chloroform	7.039	83	5704m	0.39	ug/L	
10) Carbon Tetrachloride	7.213	117	3653m	0.41	ug/L	
11) 1,1,1-Trichloroethane	7.281	97	4454m	0.40	ug/L	
12) Benzene	7.648	78	10704	0.45	ug/L	81
14) 1,2-Dichloroethane	7.851	62	3808	0.42	ug/L	82
15) Trichloroethene	8.214	95	3030	0.44	ug/L	92
16) 1,2-Dichloropropane	8.742	63	2735	0.45	ug/L	86
17) cis-1,3-Dichloropropene	9.394	75	3587	0.48	ug/L #	69
20) trans-1,3-Dichloropropene	10.022	75	2476	0.42	ug/L #	73
21) Tetrachloroethene	10.022	166	2944	0.51	ug/L #	97
22) 1,4-Dichlorobenzene	13.410	146	6085	0.52	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	436m	0.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:46:00 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



Manual Integration Approval Summary

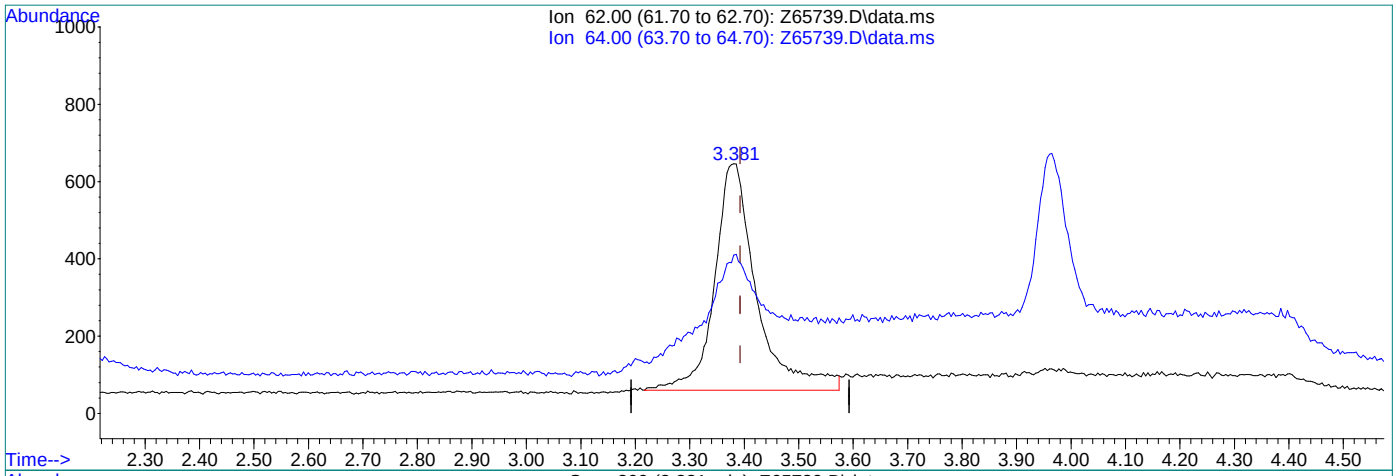
Sample Number: VZ2586-IC2586
Lab FileID: Z65739.D
Injection Time: 09/07/21 10:26
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

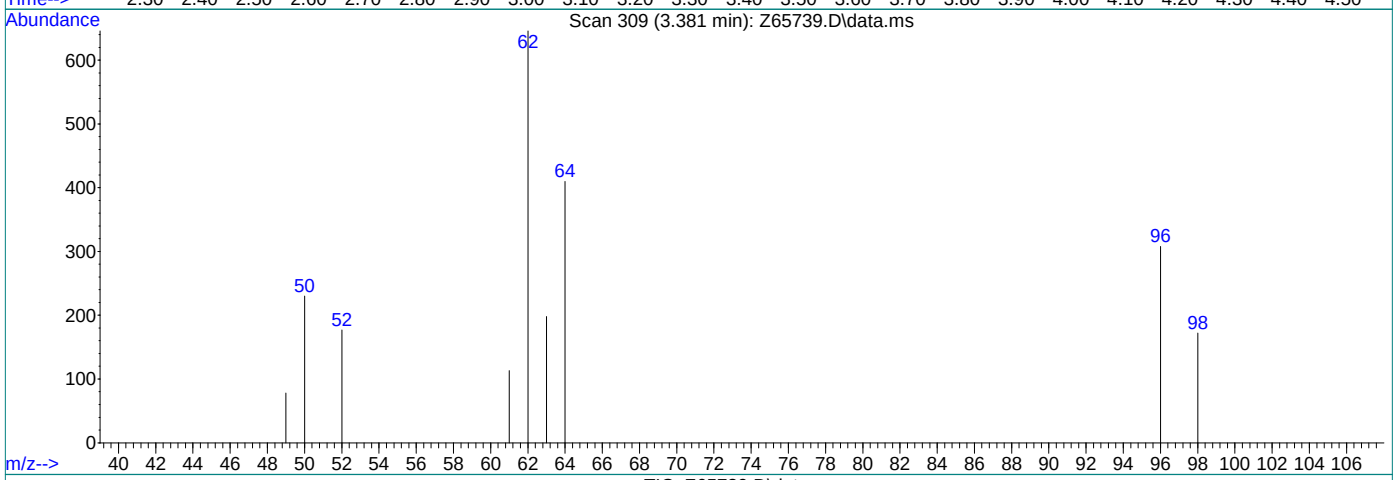
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Chloride	74-87-3		3.25	Overlapping peak
Vinyl Chloride	75-01-4		3.38	Poorly defined baseline
Chloroform	67-66-3		7.04	Poorly defined baseline
Carbon Tetrachloride	56-23-5		7.21	Poorly defined baseline
1,1,1-Trichloroethane	71-55-6		7.28	Poorly defined baseline
1,2-Dibromo-3-chloropropane	96-12-8		14.65	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.33ug/L

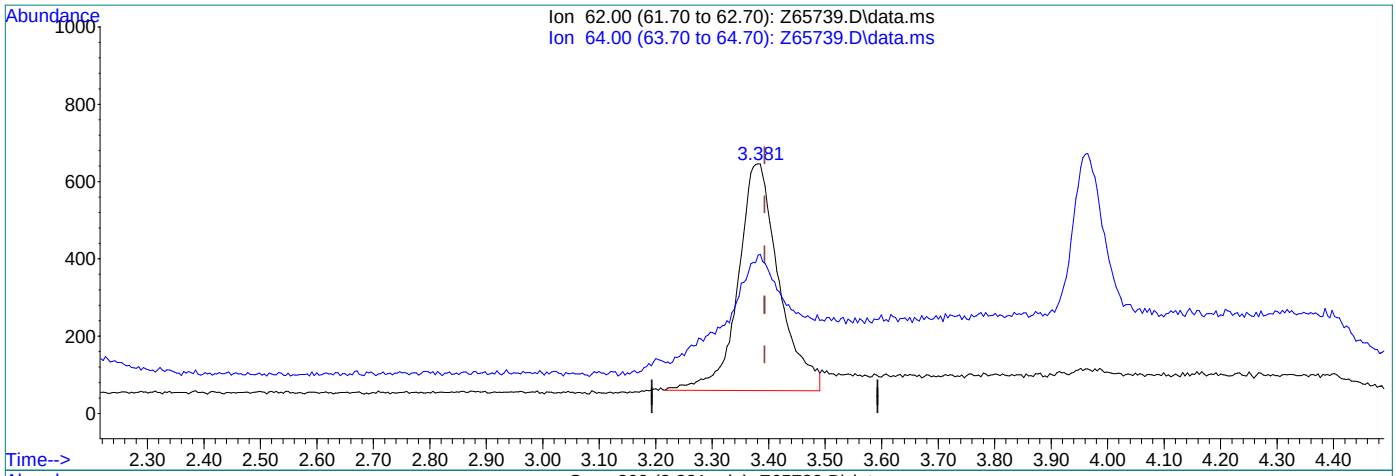
response 3145

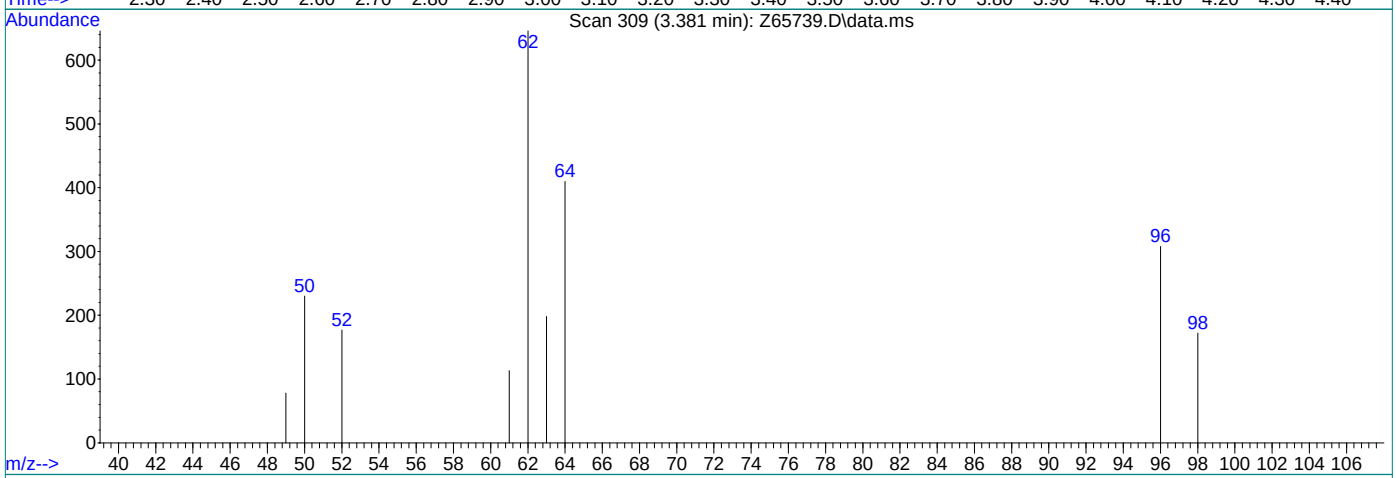
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	47.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(2) Vinyl Chloride

3.381min (-0.012) 0.31ug/L m

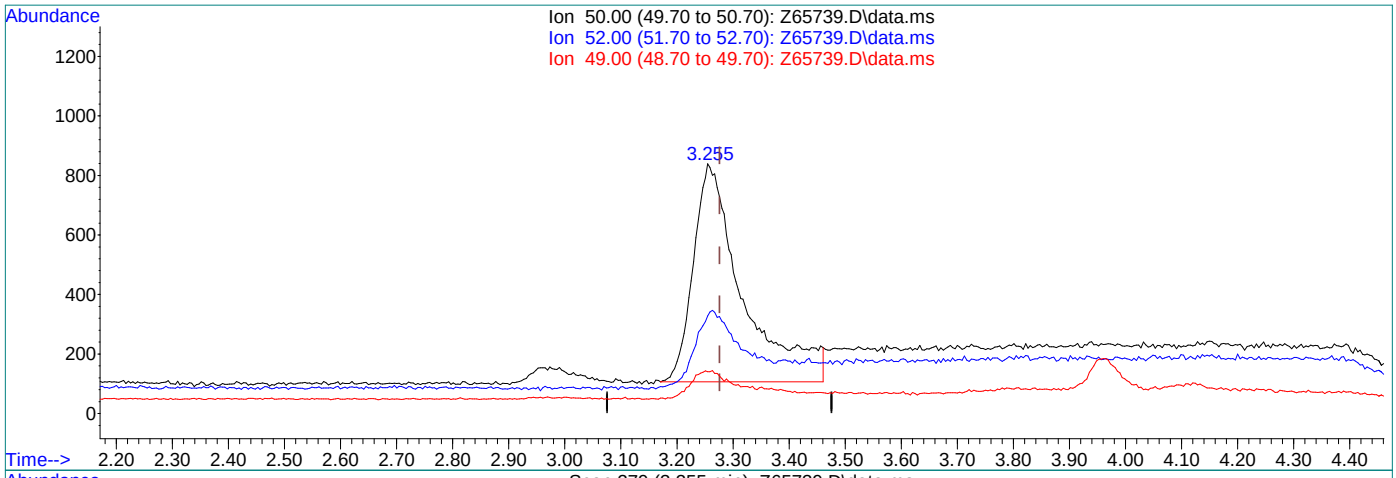
response 2944

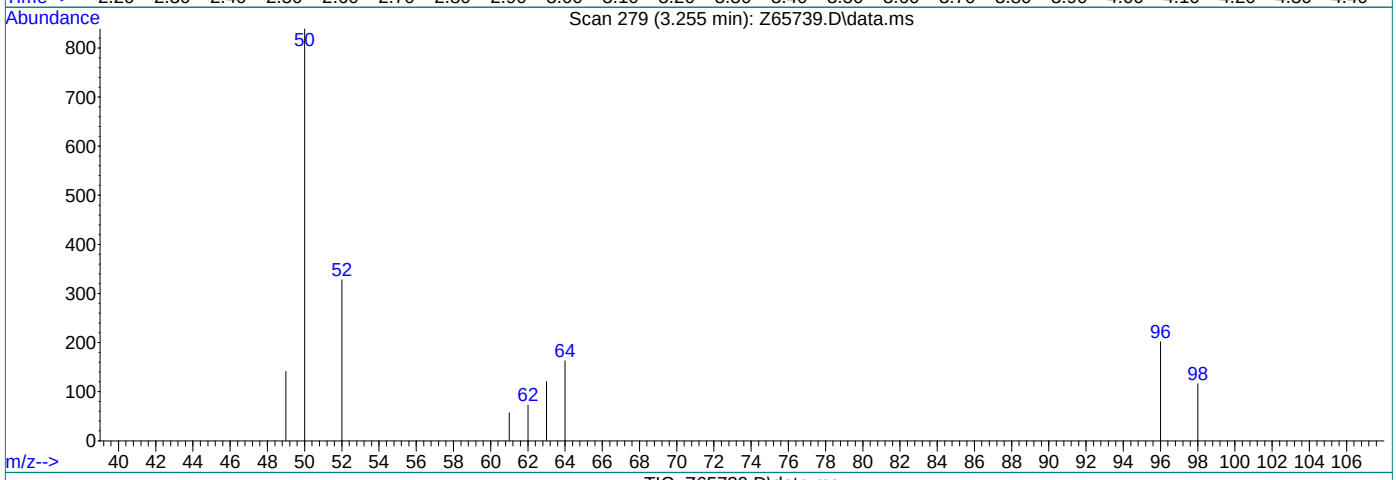
Ion	Exp%	Act%
62.00	100	100
64.00	30.30	63.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.42ug/L

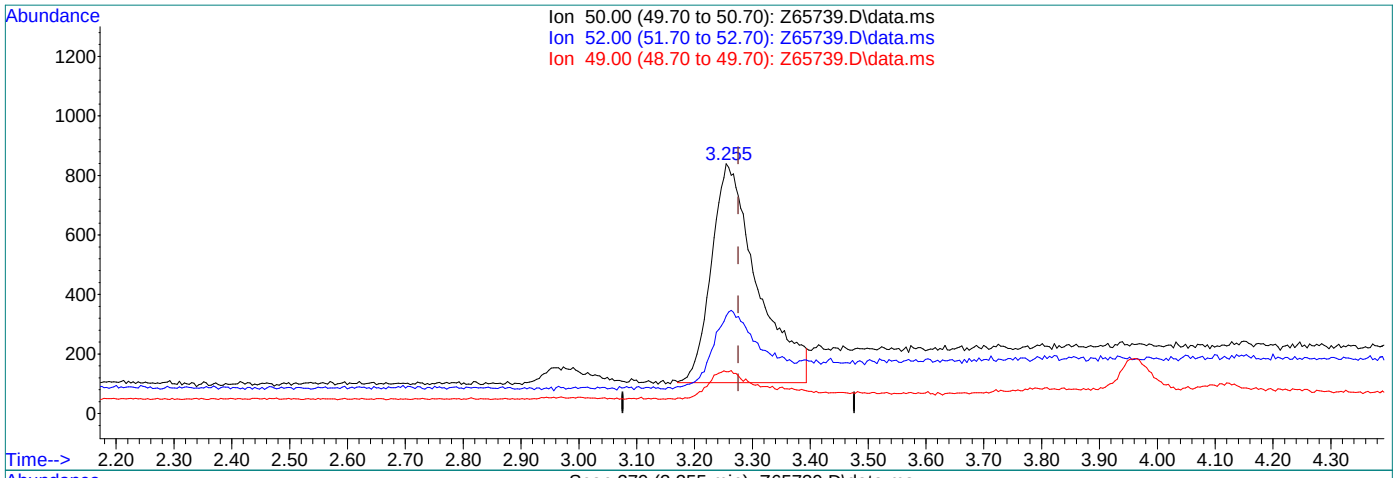
response 4460

Ion	Exp%	Act%
50.00	100	100
52.00	31.80	32.38
49.00	9.90	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration



TIC: Z65739.D\data.ms

(3) Chloromethane

3.255min (-0.021) 0.38ug/L m

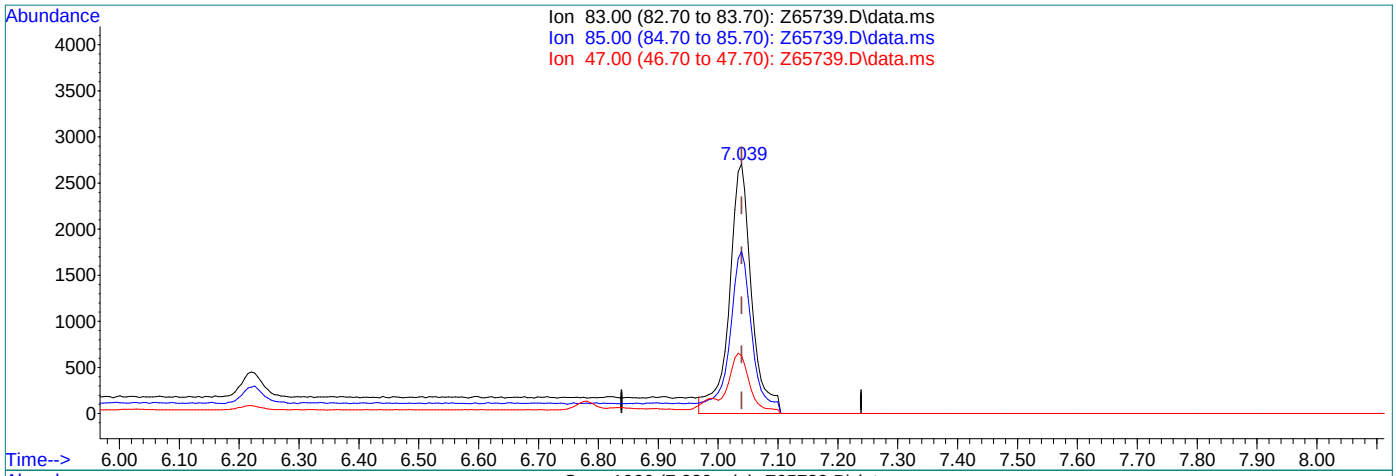
response 4047

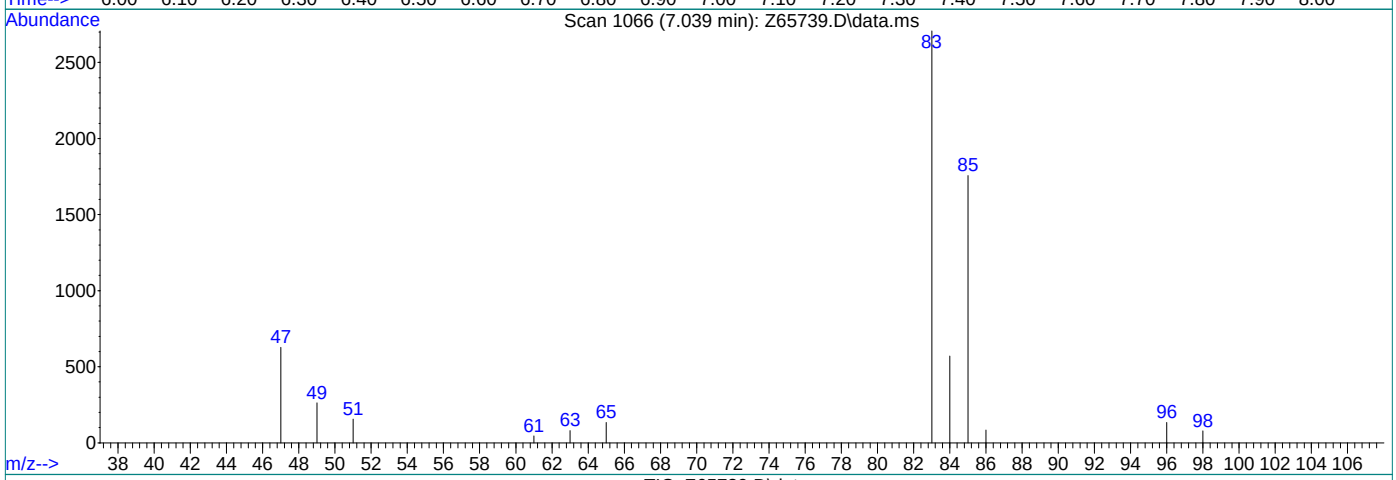
Ion	Exp%	Act%
50.00	100	100
52.00	31.80	39.09
49.00	9.90	16.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.48ug/L

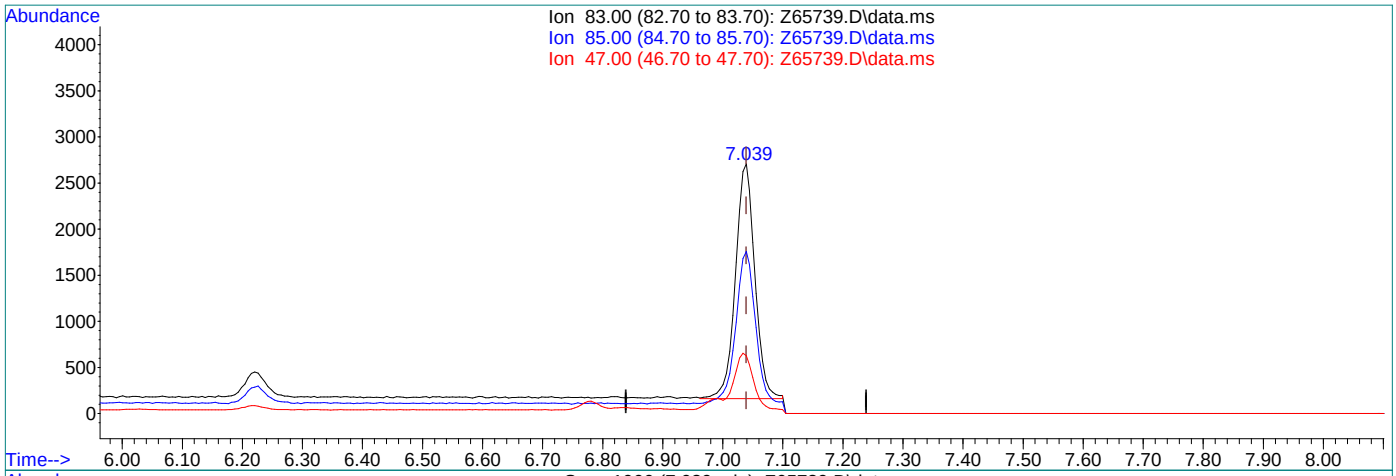
response 7044

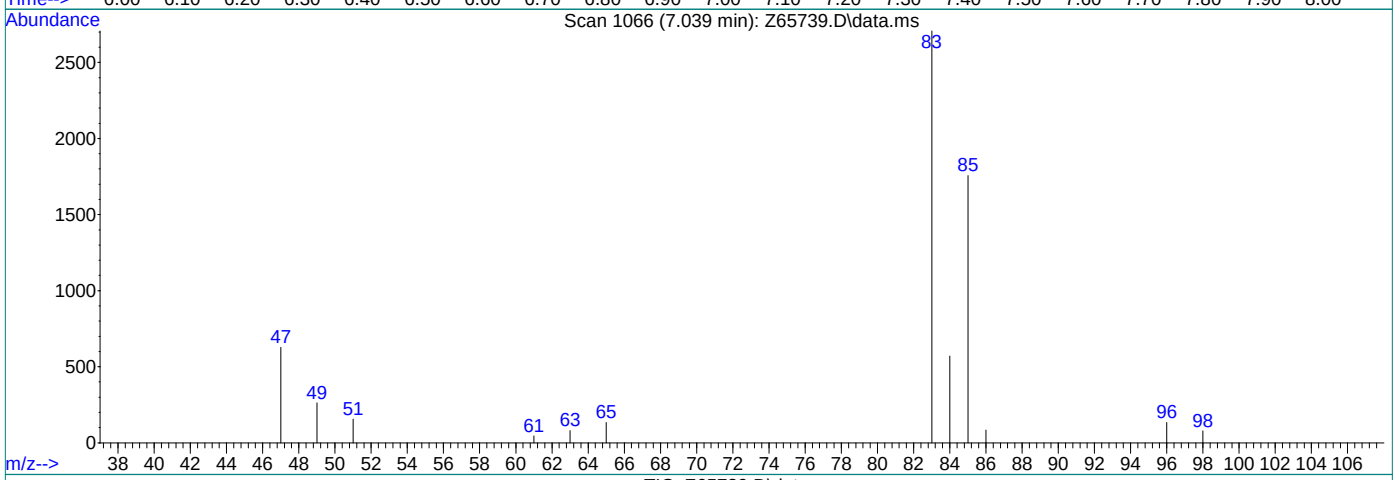
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(9) Chloroform

7.039min (-0.000) 0.39ug/L m

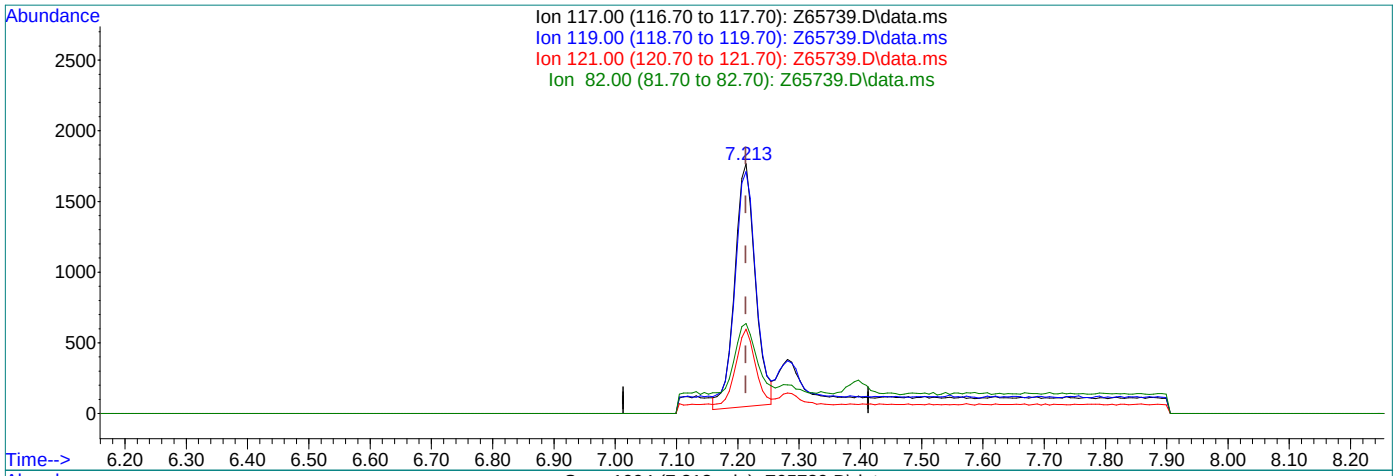
response 5704

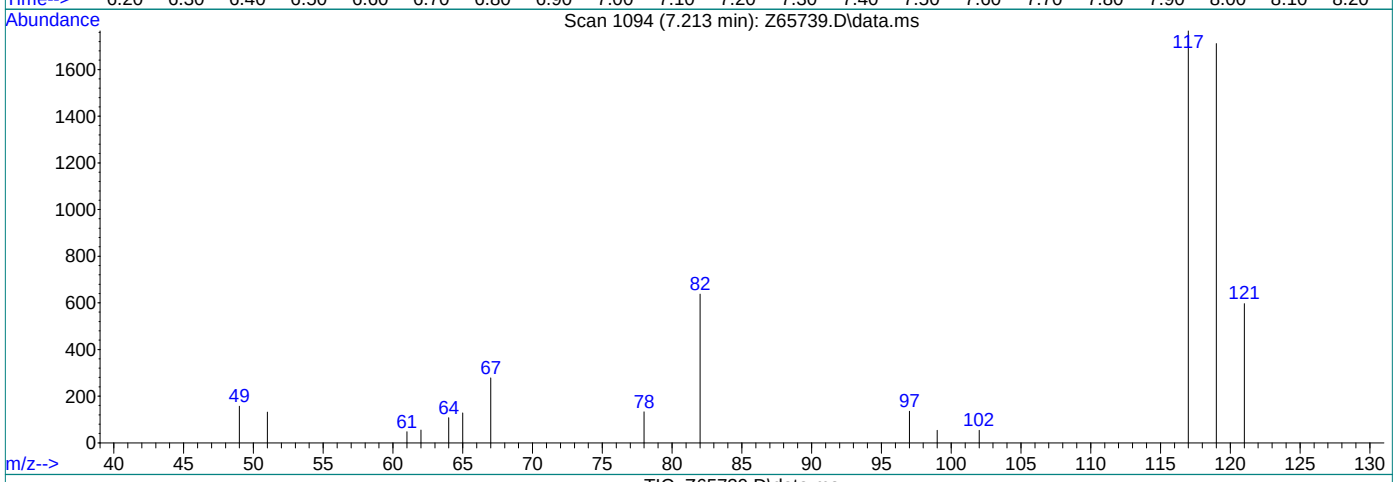
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	64.88
47.00	43.30	23.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.45ug/L

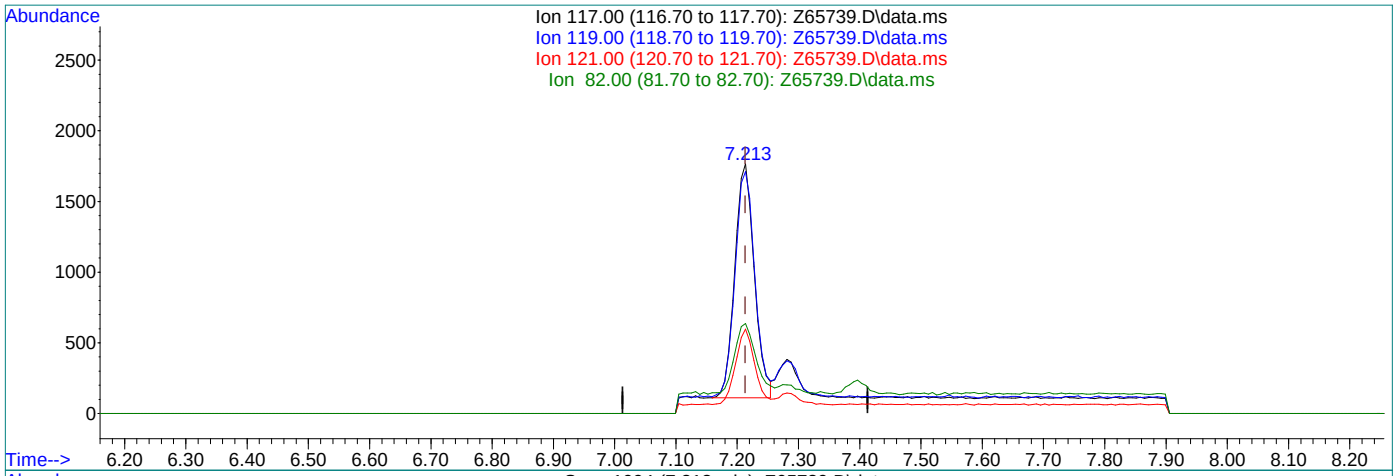
response 4018

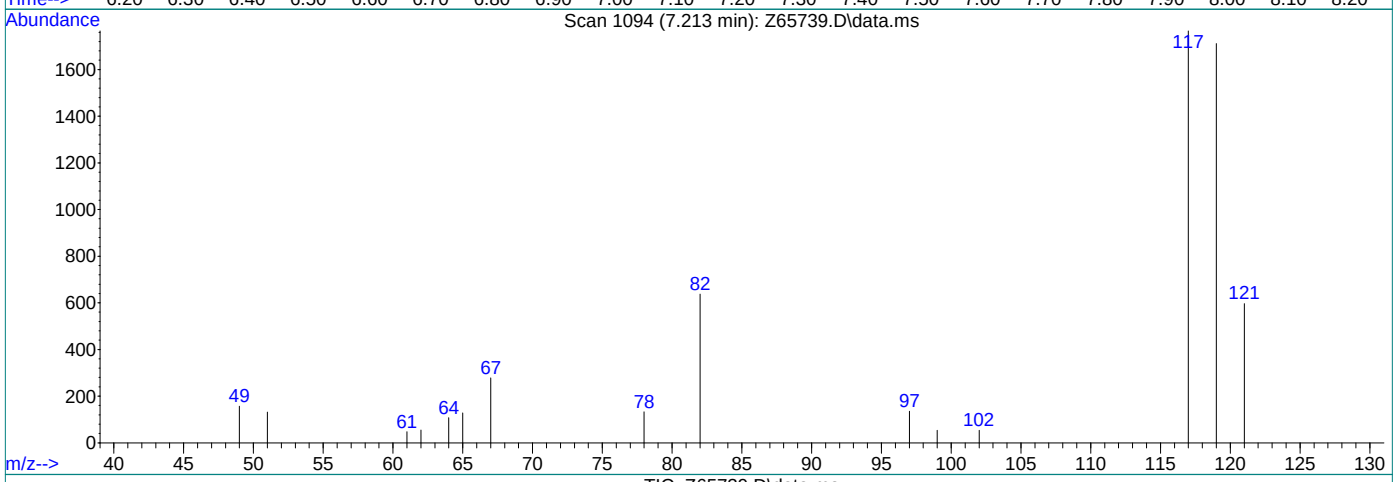
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.13
121.00	31.60	32.21
82.00	24.20	29.61

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(10) Carbon Tetrachloride ( )

7.213min (+0.000) 0.41ug/L m

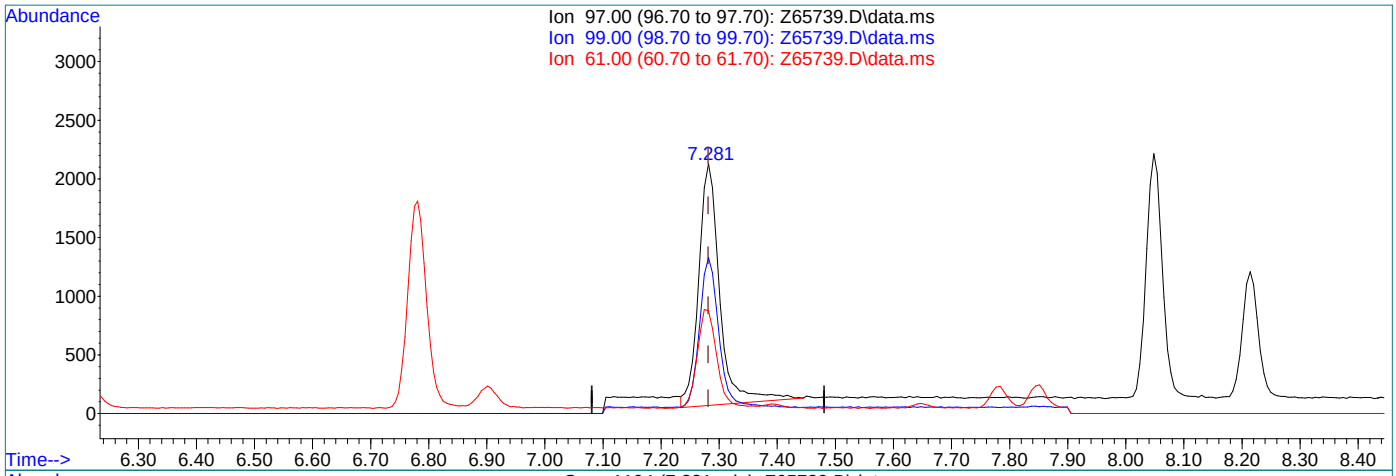
response 3653

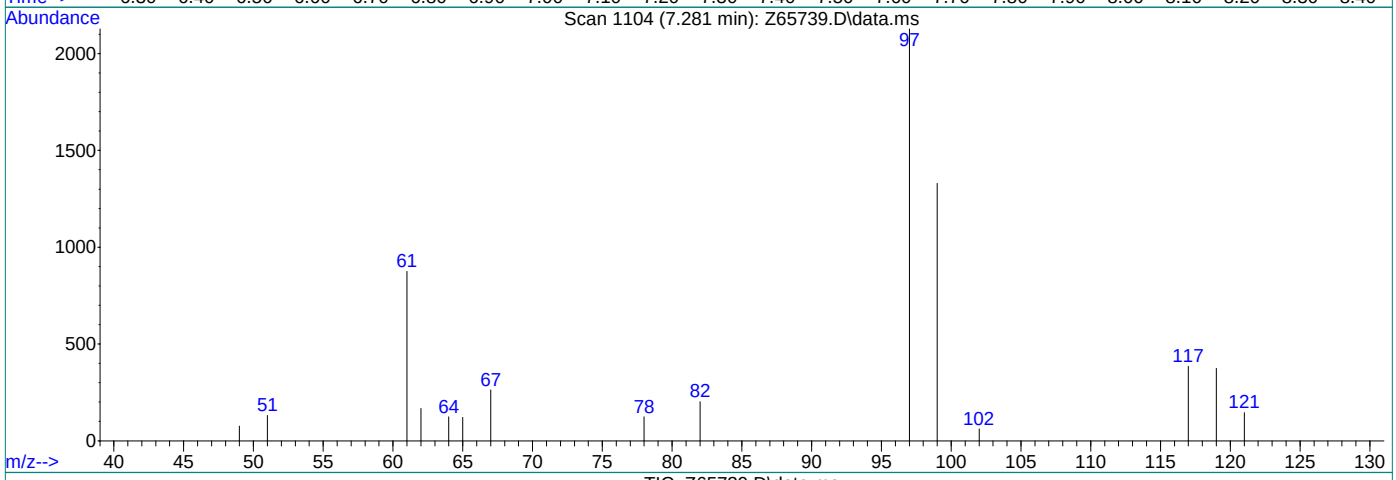
Ion	Exp%	Act%
117.00	100	100
119.00	94.80	96.89
121.00	31.60	33.81
82.00	24.20	36.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.46ug/L

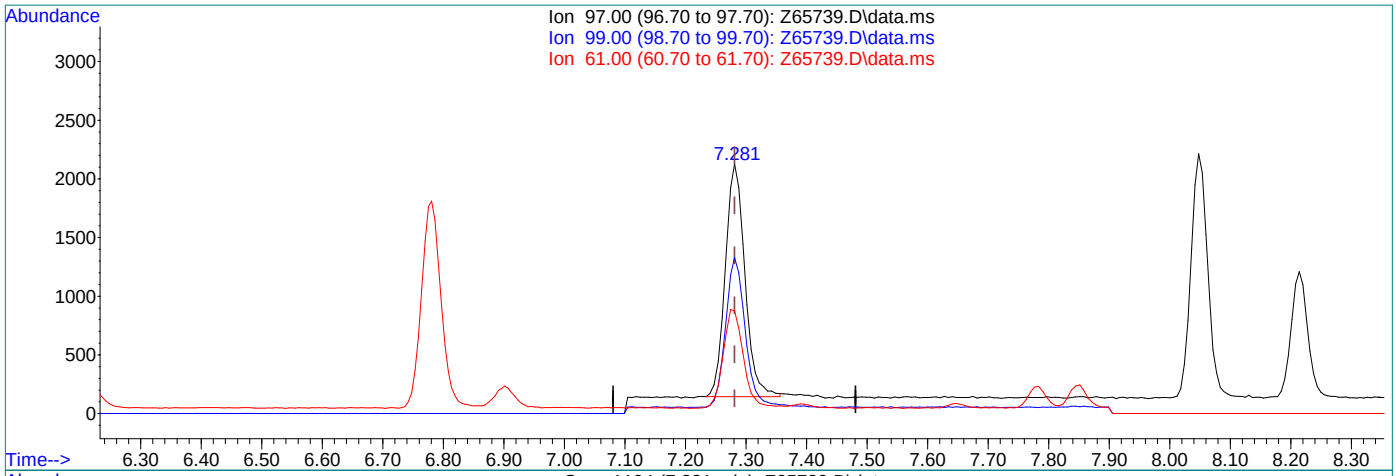
response 5157

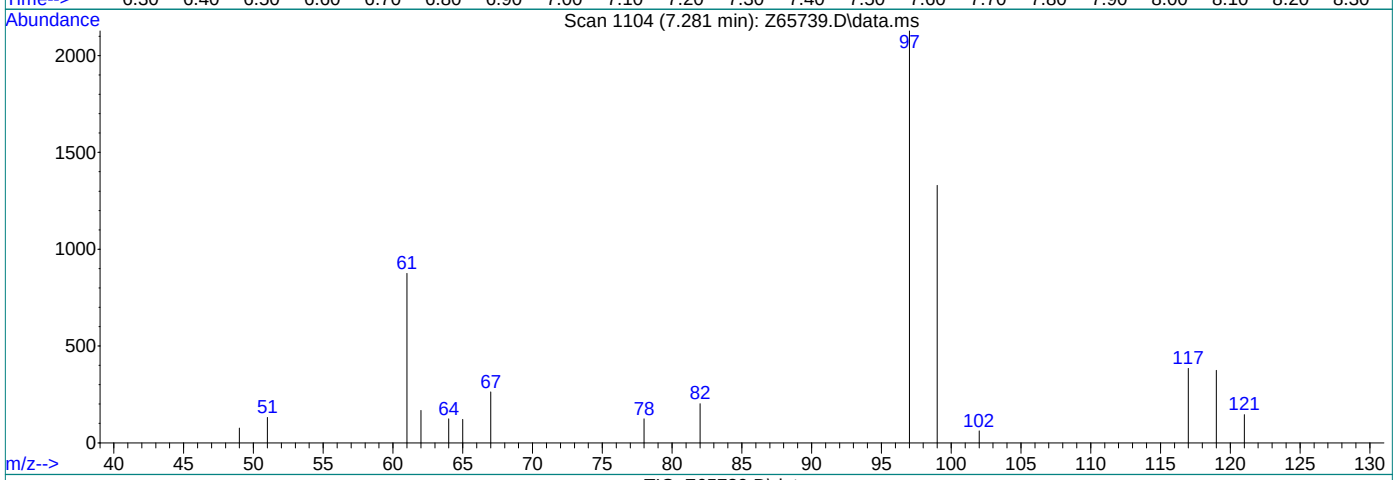
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	63.96
61.00	61.40	41.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(11) 1,1,1-Trichloroethane ( )

7.281min (+0.000) 0.40ug/L m

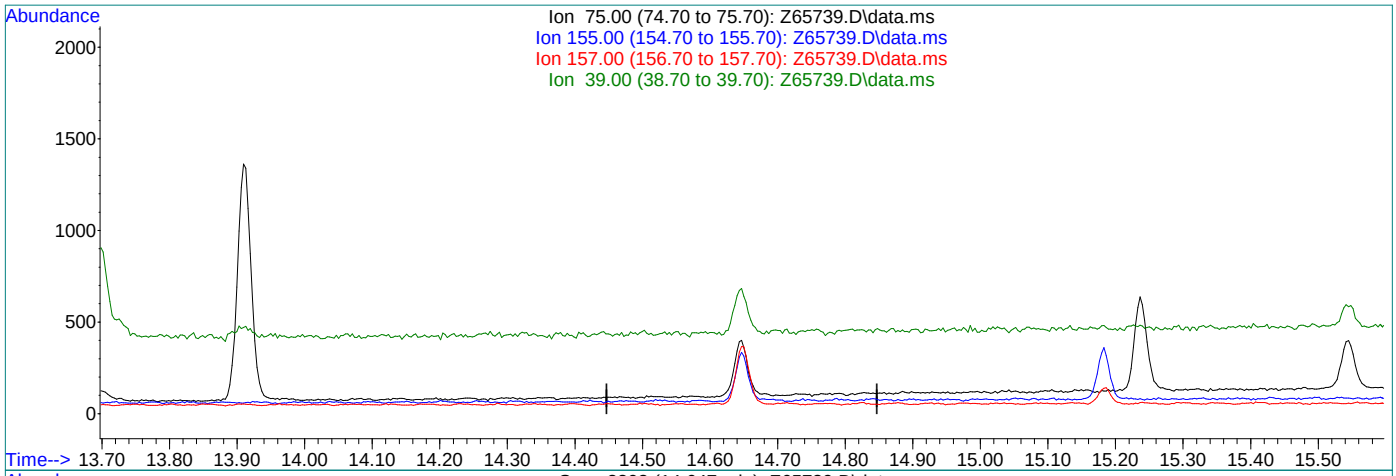
response 4454

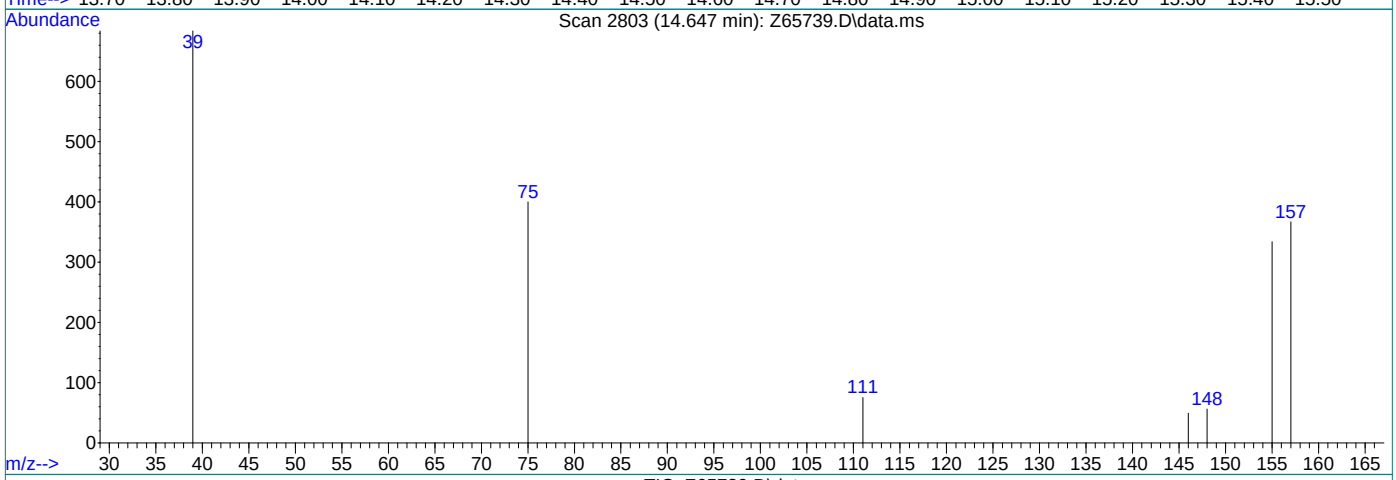
Ion	Exp%	Act%
97.00	100	100
99.00	63.90	62.45
61.00	61.40	41.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-14.647) 0.00ug/L

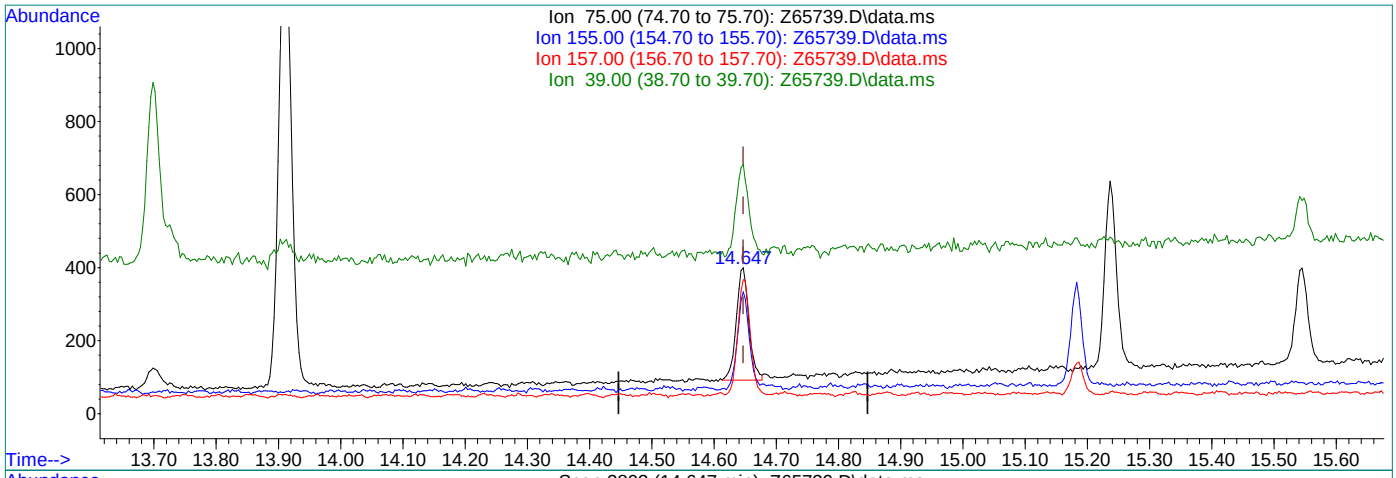
response 0

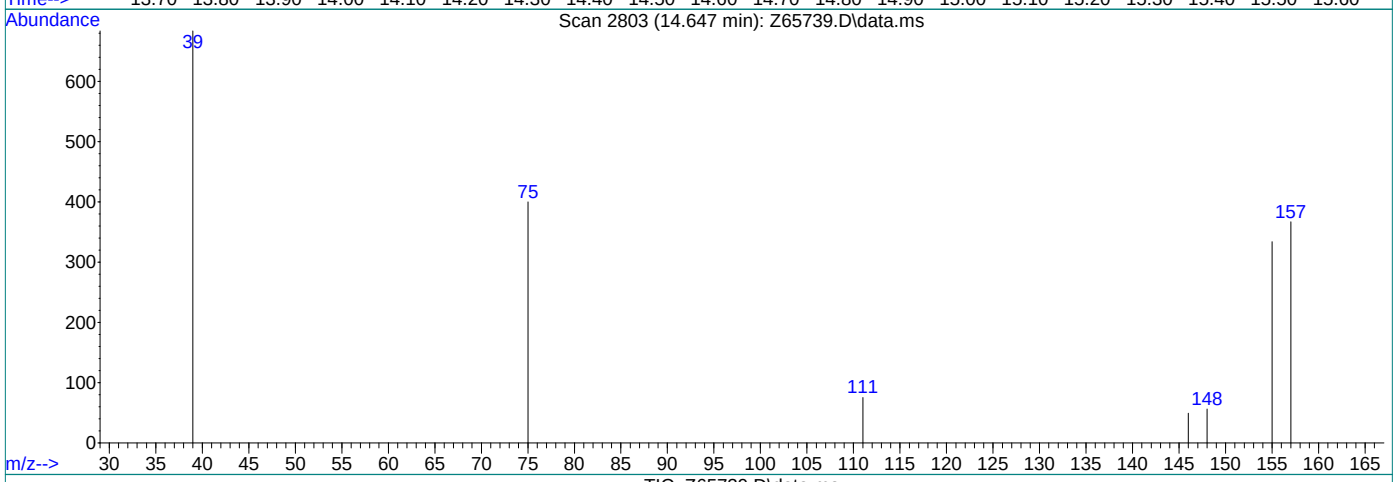
Ion	Exp%	Act%
75.00	100	0.00
155.00	67.70	0.00#
157.00	81.90	0.00#
39.00	23.90	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65739.D
Acq On : 7 Sep 2021 10:26 am
Operator : CHARLENG
Sample : ic2586-2
Misc : MS49506,VZ2586,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 07 11:43:01 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:42:58 2021
Response via : Initial Calibration





TIC: Z65739.D\data.ms

(23) 1,2-Dibromo-3-Chloropropane

14.647min (-0.000) 0.49ug/L m

response 436

Ion	Exp%	Act%
75.00	100	100
155.00	67.70	83.50
157.00	81.90	91.75
39.00	23.90	171.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration

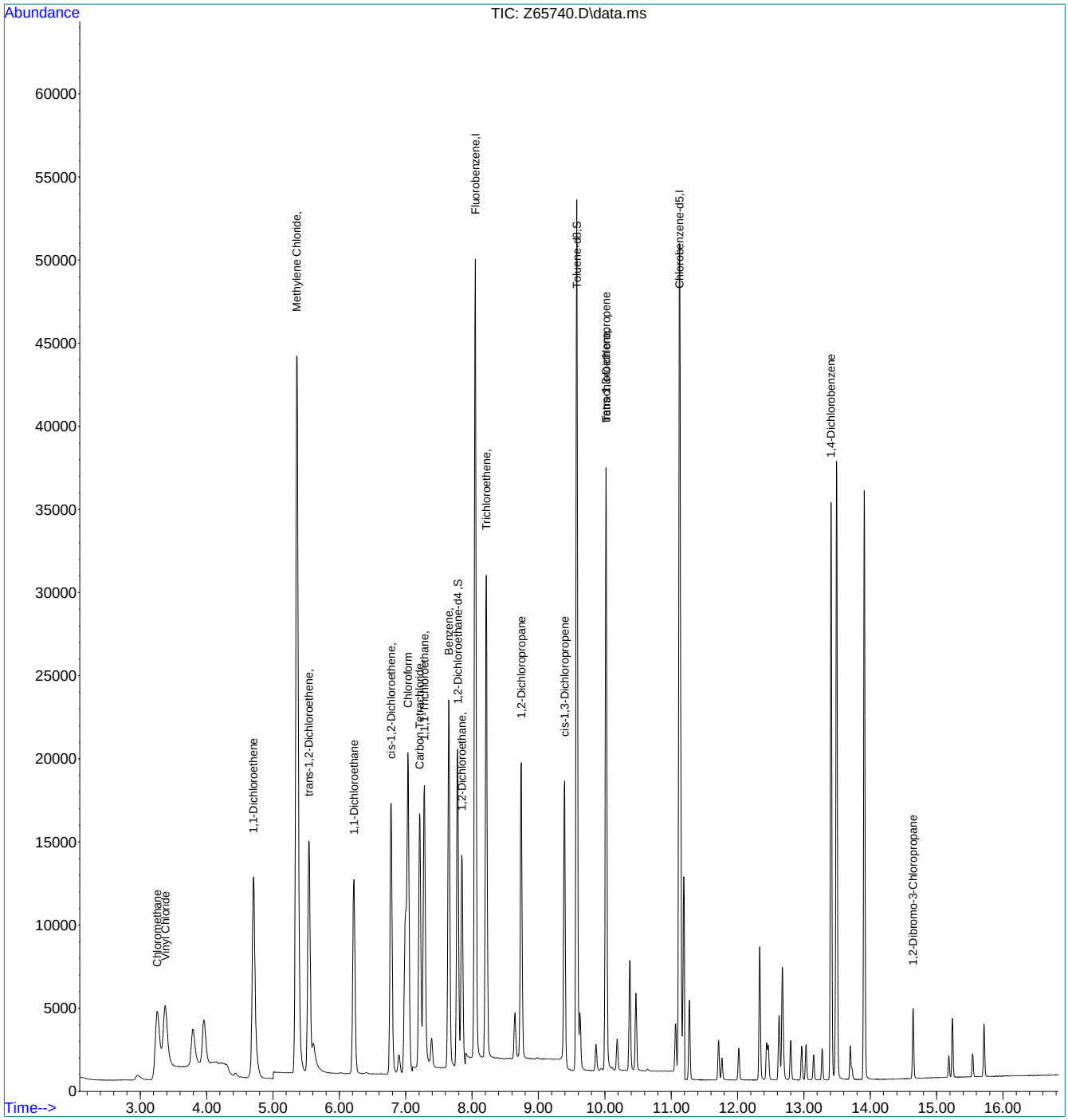
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57686	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	42748	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	20517	4.54	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.80%				
19) Toluene-d8	9.576	98	51803	5.70	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 114.00%#				
Target Compounds							Qvalue
2) Vinyl Chloride	3.377	62	11907	1.46	ug/L		94
3) Chloromethane	3.255	50	14040	1.51	ug/L		97
4) 1,1-Dichloroethene	4.704	61	14790	1.65	ug/L		96
5) Methylene Chloride	5.358	49	40899	0.60	ug/L	#	64
6) trans-1,2-Dichloroethene	5.540	61	13999	1.68	ug/L		82
7) 1,1-Dichloroethane	6.221	63	16259	1.56	ug/L		93
8) cis-1,2-Dichloroethene	6.781	96	10684	1.75	ug/L	#	73
9) Chloroform	7.034	83	20526	1.58	ug/L		88
10) Carbon Tetrachloride	7.207	117	13414	1.62	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	16402	1.62	ug/L		86
12) Benzene	7.648	78	36701	1.66	ug/L		82
14) 1,2-Dichloroethane	7.845	62	13161	1.60	ug/L		85
15) Trichloroethene	8.214	95	10480	1.64	ug/L		93
16) 1,2-Dichloropropane	8.742	63	9350	1.65	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	14475	1.96	ug/L	#	69
20) trans-1,3-Dichloropropene	10.017	75	11913	2.02	ug/L	#	76
21) Tetrachloroethene	10.017	166	10068	1.84	ug/L	#	92
22) 1,4-Dichlorobenzene	13.407	146	21381	1.87	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	1603	1.87	ug/L	#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65740.D
Acq On : 7 Sep 2021 10:46 am
Operator : CHARLENG
Sample : ic2586-3
Misc : MS49506,VZ2586,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 07 11:46:12 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:09 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration

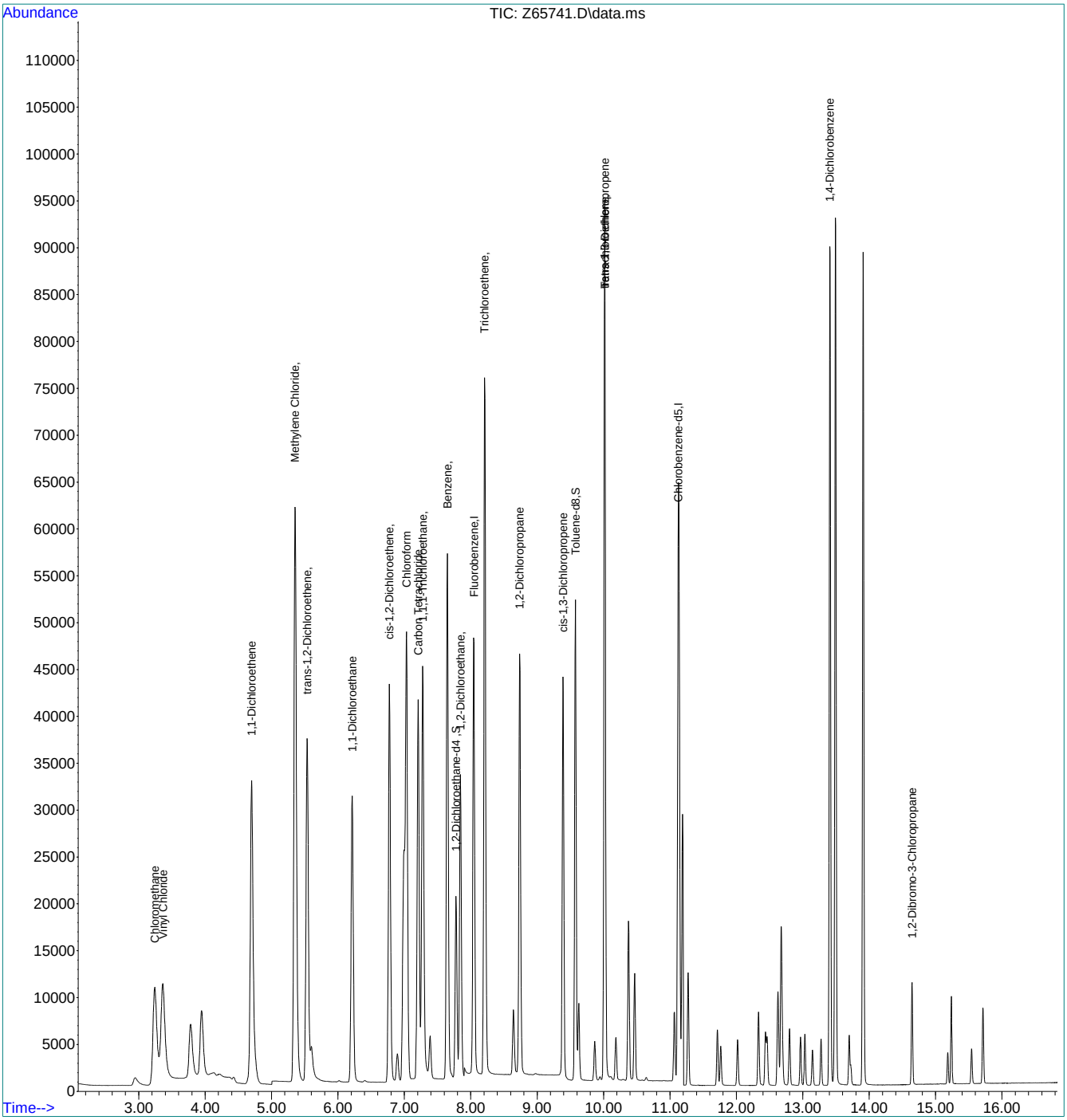
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55914	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41126	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.777	65	18510	4.37	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 87.40%			
19) Toluene-d8	9.577	98	49821	5.56	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 111.20%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.364	62	30259	4.11	ug/L	95
3) Chloromethane	3.242	50	32353	3.74	ug/L	99
4) 1,1-Dichloroethene	4.700	61	37714	4.51	ug/L	97
5) Methylene Chloride	5.353	49	55629	0.82	ug/L #	64
6) trans-1,2-Dichloroethene	5.534	61	35168	4.51	ug/L	82
7) 1,1-Dichloroethane	6.215	63	40749	4.25	ug/L	95
8) cis-1,2-Dichloroethene	6.775	96	26608	4.59	ug/L #	75
9) Chloroform	7.033	83	49094	4.10	ug/L	87
10) Carbon Tetrachloride	7.207	117	33924	4.44	ug/L	99
11) 1,1,1-Trichloroethane	7.274	97	41008	4.37	ug/L	88
12) Benzene	7.648	78	91007	4.36	ug/L	80
14) 1,2-Dichloroethane	7.844	62	32887	4.33	ug/L	85
15) Trichloroethene	8.208	95	26452	4.41	ug/L	97
16) 1,2-Dichloropropane	8.736	63	23022	4.35	ug/L	86
17) cis-1,3-Dichloropropene	9.388	75	36567	5.07	ug/L #	74
20) trans-1,3-Dichloropropene	10.017	75	30470	5.35	ug/L #	76
21) Tetrachloroethene	10.017	166	25440	4.95	ug/L #	92
22) 1,4-Dichlorobenzene	13.407	146	53698	4.93	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	14.647	75	3995	4.89	ug/L #	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65741.D
Acq On : 7 Sep 2021 11:07 am
Operator : CHARLENG
Sample : ic2586-4
Misc : MS49506,VZ2586,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 07 11:46:30 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:28 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:33 2021 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Sean Pioro
09/08/21 10:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration

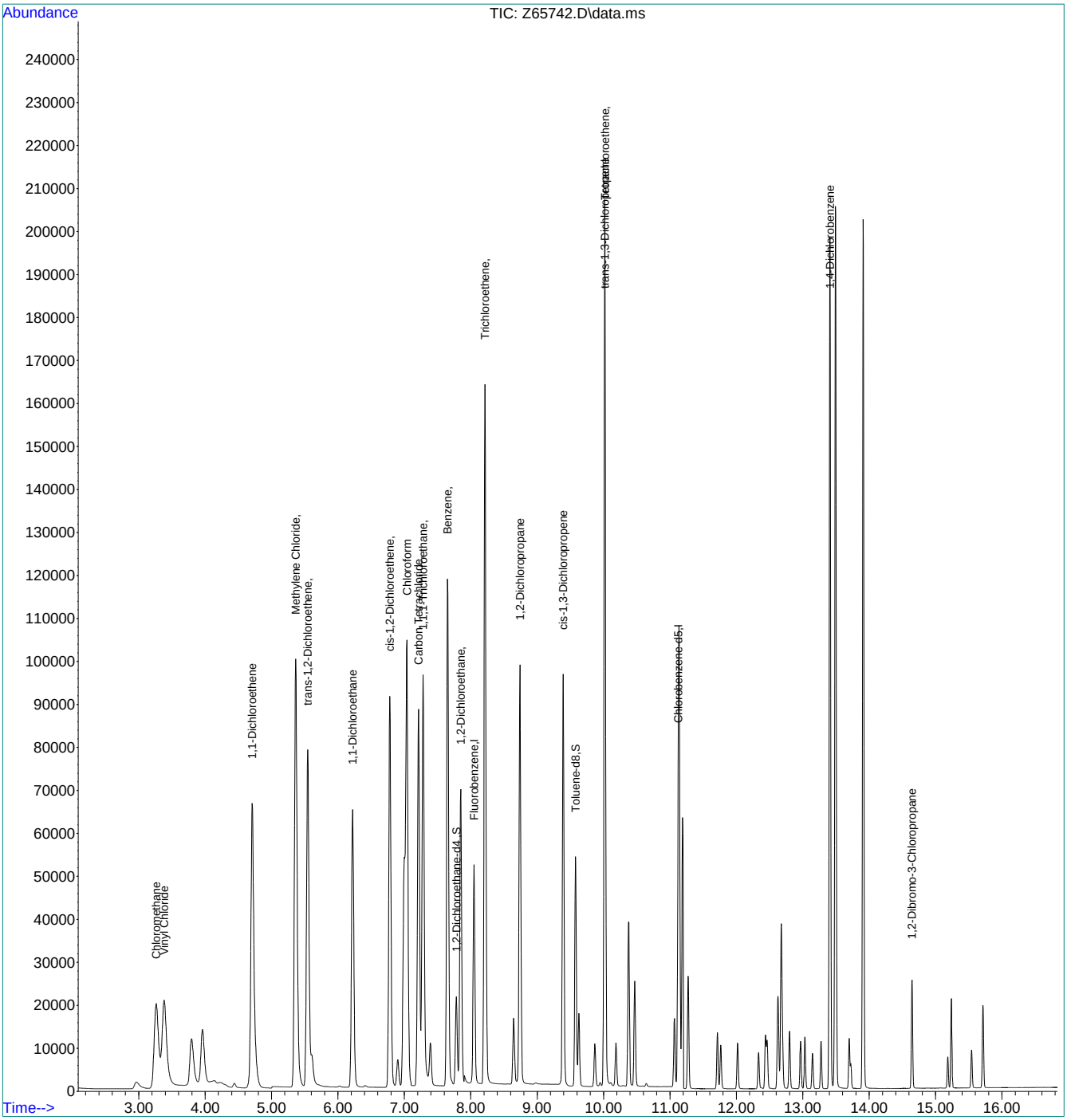
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	60384	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	44007	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.783	65	19882	4.50	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 90.00%				
19) Toluene-d8	9.577	98	53430	5.42	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 108.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	64332	8.57	ug/L		97
3) Chloromethane	3.263	50	67278	7.47	ug/L		98
4) 1,1-Dichloroethene	4.708	61	82511	9.44	ug/L		97
5) Methylene Chloride	5.364	49	94217	1.28	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	77400	9.48	ug/L		80
7) 1,1-Dichloroethane	6.220	63	89464	9.08	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	58466	9.55	ug/L	#	75
9) Chloroform	7.039	83	106015	8.66	ug/L		87
10) Carbon Tetrachloride	7.213	117	73780	9.30	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	89576	9.21	ug/L		87
12) Benzene	7.648	78	198305	9.11	ug/L		82
14) 1,2-Dichloroethane	7.851	62	71810	9.17	ug/L		84
15) Trichloroethene	8.214	95	58012	9.23	ug/L		95
16) 1,2-Dichloropropane	8.742	63	50025	9.09	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	81229	10.39	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	68772m	11.24	ug/L		
21) Tetrachloroethene	10.022	166	55288	10.15	ug/L	#	95
22) 1,4-Dichlorobenzene	13.411	146	119673	10.35	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	9342	10.74	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:47:02 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration



Manual Integration Approval Summary

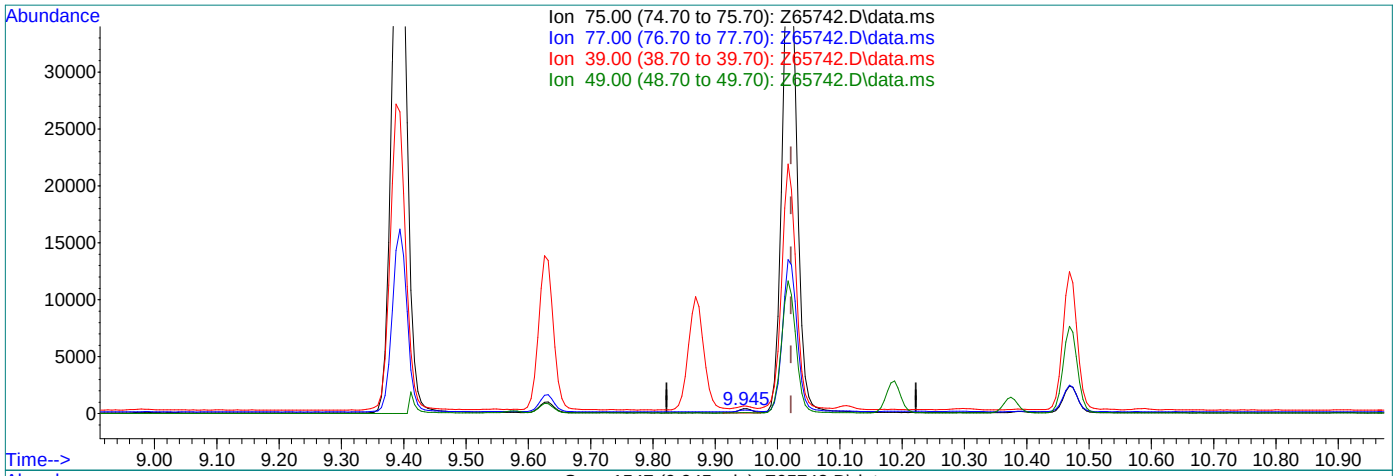
Sample Number: VZ2586-ICC2586
Lab FileID: Z65742.D
Injection Time: 09/07/21 11:27
Method: SW846 8260B BY SIM
Analyst approved: 09/08/21 08:29 Charlene Gonzalez
Supervisor approved: 09/08/21 10:05 Sean Pioro

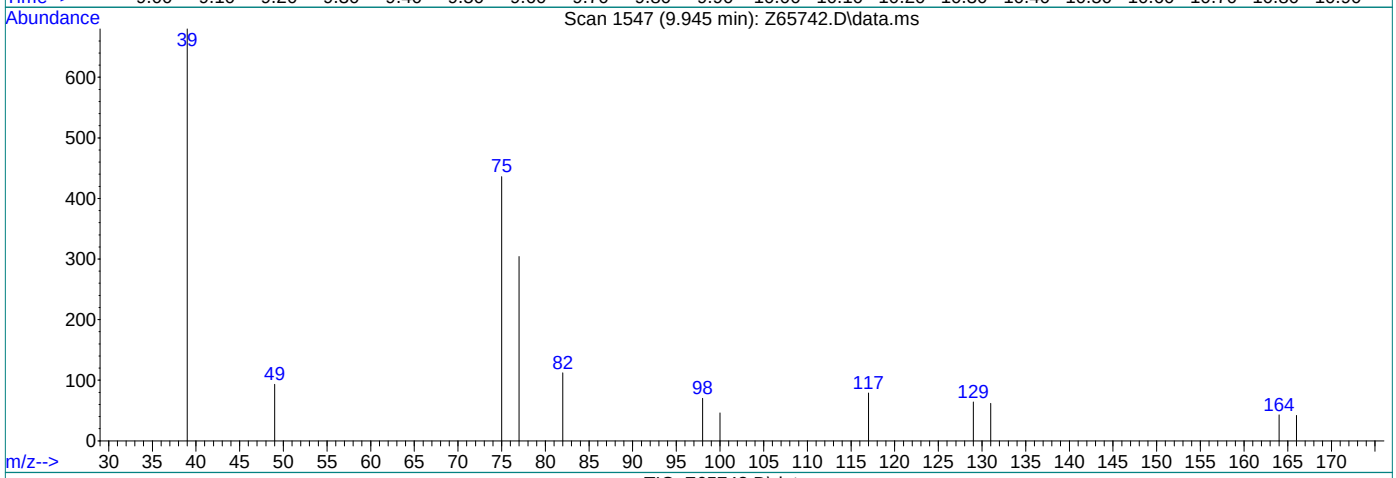
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

9.945min (-0.077) 0.09ug/L

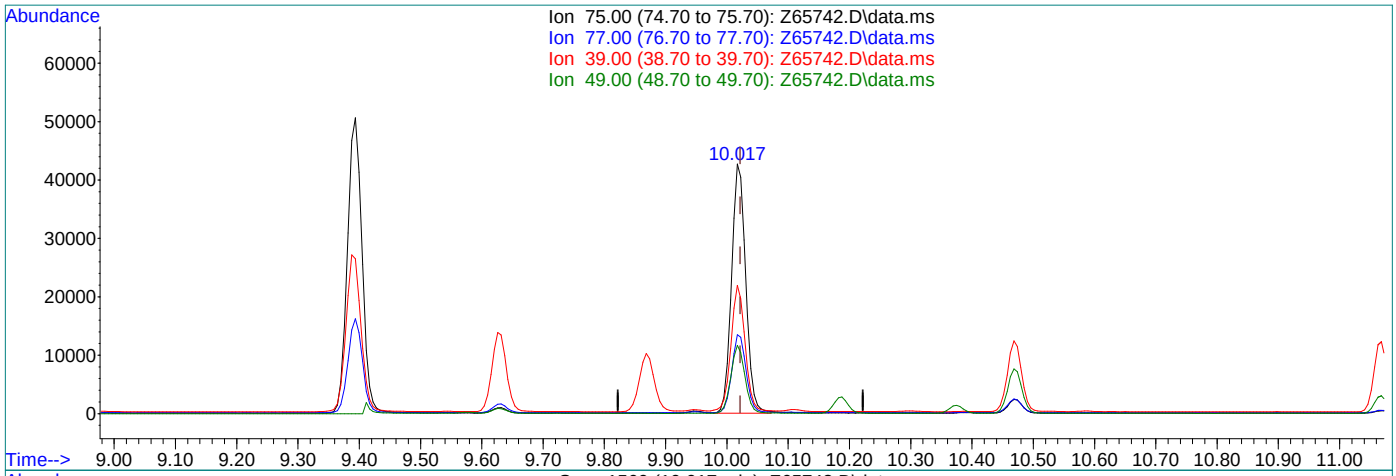
response 572

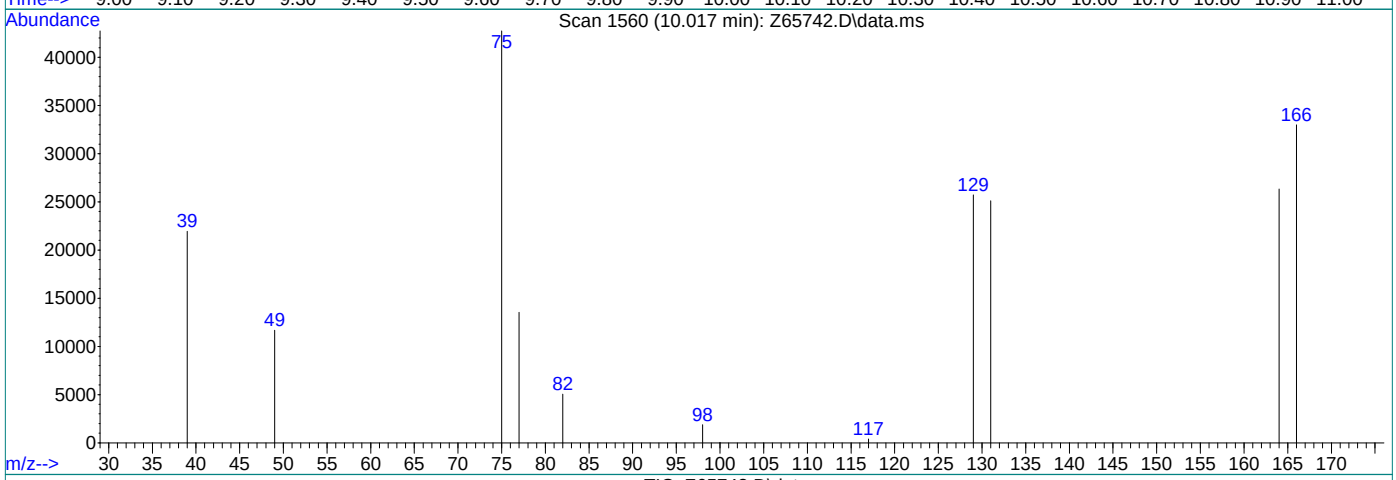
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	37.16
39.00	84.50	57.10
49.00	23.10	12.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65742.D
Acq On : 7 Sep 2021 11:27 am
Operator : CHARLENG
Sample : icc2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 11:46:47 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:46:45 2021
Response via : Initial Calibration





TIC: Z65742.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.005) 11.24ug/L m

response 68772

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.65
39.00	84.50	51.31#
49.00	23.10	27.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

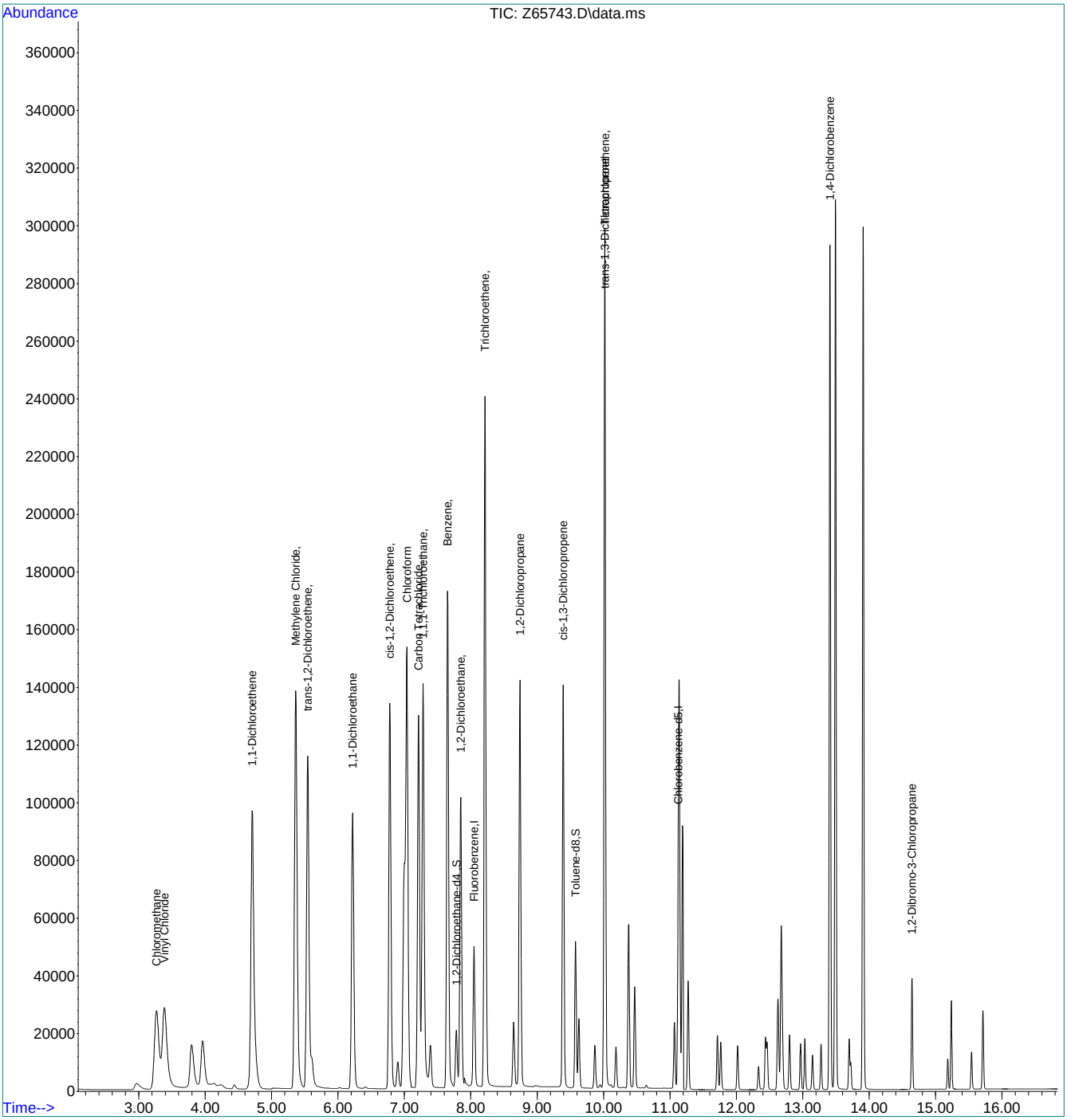
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	57991	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	41634	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.783	65	19125	4.65	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%			
19) Toluene-d8	9.577	98	50016	5.21	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	92413	13.63	ug/L	97
3) Chloromethane	3.267	50	96110	11.53	ug/L	99
4) 1,1-Dichloroethene	4.708	61	121472	14.94	ug/L	97
5) Methylene Chloride	5.364	49	130688	1.85	ug/L #	62
6) trans-1,2-Dichloroethene	5.545	61	114352	15.01	ug/L	80
7) 1,1-Dichloroethane	6.220	63	132244	14.58	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	86668	15.00	ug/L #	76
9) Chloroform	7.039	83	156492	13.93	ug/L	87
10) Carbon Tetrachloride	7.213	117	109314	14.89	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	131563	14.60	ug/L	88
12) Benzene	7.648	78	290426	14.33	ug/L	82
14) 1,2-Dichloroethane	7.851	62	104911	14.47	ug/L	85
15) Trichloroethene	8.214	95	85114	14.53	ug/L	94
16) 1,2-Dichloropropane	8.742	63	72640	14.21	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	118708	15.94	ug/L #	70
20) trans-1,3-Dichloropropene	10.017	75	101613	17.51	ug/L #	75
21) Tetrachloroethene	10.022	166	79427	15.48	ug/L #	95
22) 1,4-Dichlorobenzene	13.411	146	176907	16.16	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.644	75	14159	16.98	ug/L #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65743.D
Acq On : 7 Sep 2021 11:47 am
Operator : CHARLENG
Sample : ic2586-6
Misc : MS49506,VZ2586,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 07 12:29:23 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:37 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration

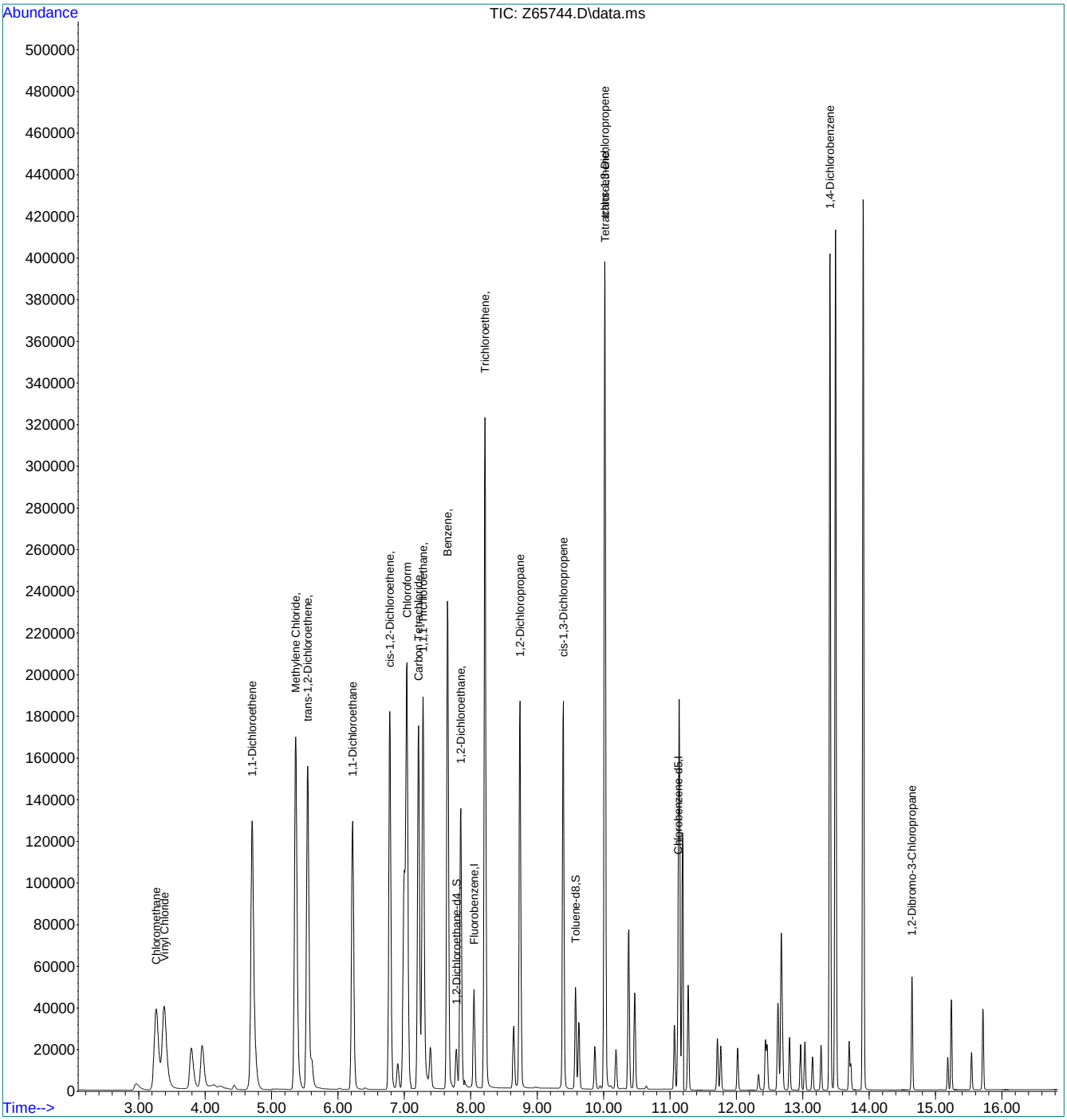
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	55484	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	39994	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	18318	4.65	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 93.00%			
19) Toluene-d8	9.576	98	48062	5.21	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 104.20%			
Target Compounds						Qvalue
2) Vinyl Chloride	3.385	62	126859	19.55	ug/L	97
3) Chloromethane	3.263	50	131510	16.49	ug/L	99
4) 1,1-Dichloroethene	4.708	61	163703	21.04	ug/L	97
5) Methylene Chloride	5.364	49	160840	2.38	ug/L #	61
6) trans-1,2-Dichloroethene	5.545	61	153204	21.03	ug/L	79
7) 1,1-Dichloroethane	6.221	63	176994	20.39	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	116069	21.00	ug/L #	75
9) Chloroform	7.039	83	208704	19.41	ug/L	87
10) Carbon Tetrachloride	7.213	117	147350	20.98	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	176520	20.47	ug/L	87
12) Benzene	7.648	78	389166	20.08	ug/L	82
14) 1,2-Dichloroethane	7.851	62	139247	20.08	ug/L	85
15) Trichloroethene	8.214	95	114255	20.38	ug/L	93
16) 1,2-Dichloropropane	8.742	63	96568	19.75	ug/L	85
17) cis-1,3-Dichloropropene	9.394	75	156449	21.96	ug/L #	69
20) trans-1,3-Dichloropropene	10.017	75	135177	24.24	ug/L #	76
21) Tetrachloroethene	10.022	166	106721	21.65	ug/L #	95
22) 1,4-Dichlorobenzene	13.410	146	238267	22.66	ug/L	94
23) 1,2-Dibromo-3-Chloropr...	14.643	75	19856	24.79	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65744.D
Acq On : 7 Sep 2021 12:08 pm
Operator : CHARLENG
Sample : ic2586-7
Misc : MS49506,VZ2586,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 07 12:29:39 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 11:47:12 2021
Response via : Initial Calibration



SIMCL-09-07-2021.M Tue Sep 07 12:34:39 2021 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

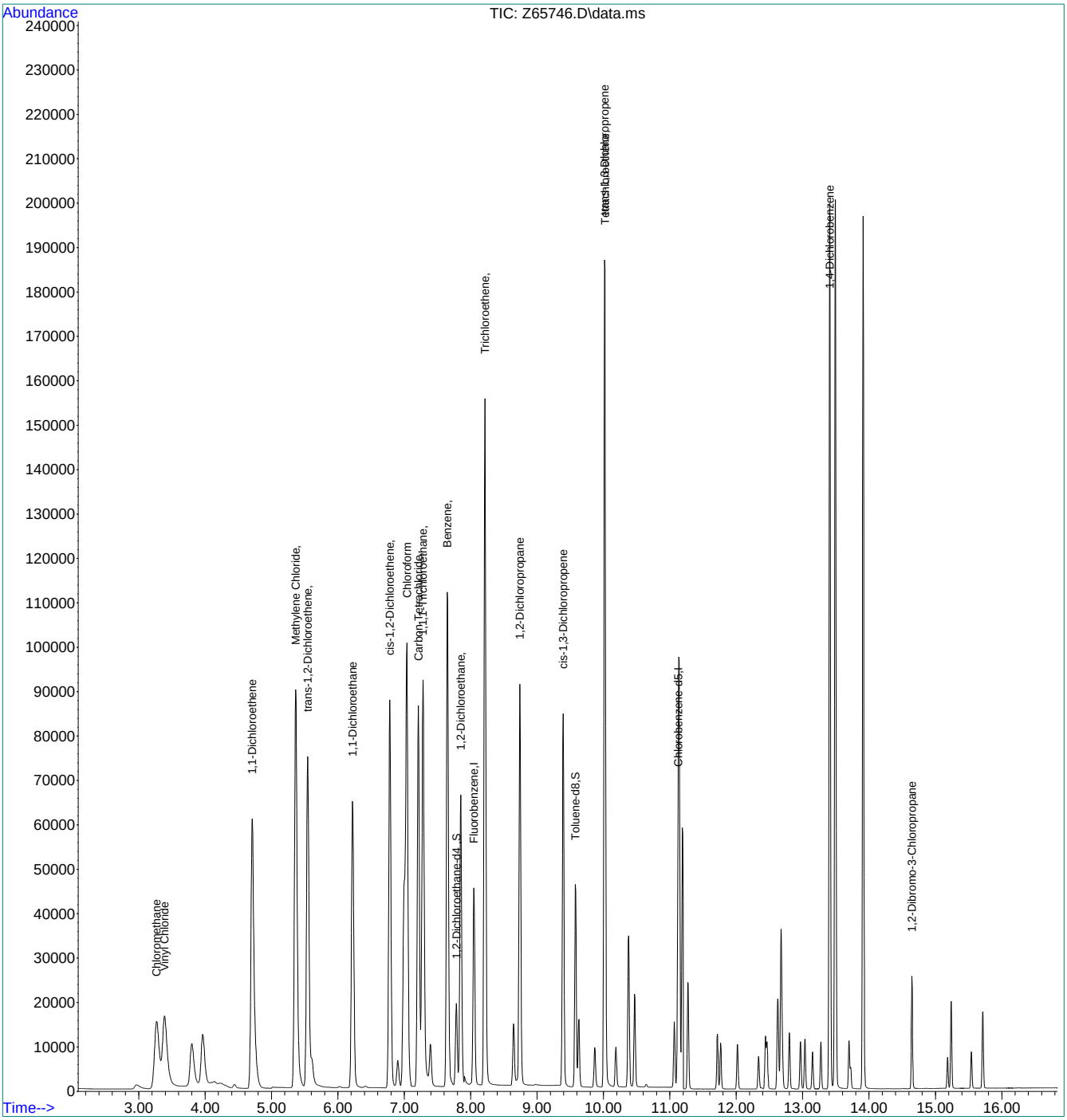
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	53311	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	38388	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	17883	4.97	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%				
19) Toluene-d8	9.576	98	45701	4.92	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 98.40%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.389	62	53617	9.59	ug/L		97
3) Chloromethane	3.267	50	54345	9.20	ug/L		98
4) 1,1-Dichloroethene	4.708	61	79180	11.27	ug/L		96
5) Methylene Chloride	5.364	49	86592	10.76	ug/L	#	62
6) trans-1,2-Dichloroethene	5.545	61	73952	11.25	ug/L		80
7) 1,1-Dichloroethane	6.221	63	89958	11.79	ug/L		95
8) cis-1,2-Dichloroethene	6.781	96	57328	11.40	ug/L	#	75
9) Chloroform	7.039	83	102375	10.96	ug/L		87
10) Carbon Tetrachloride	7.213	117	72294	11.57	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	86591	11.38	ug/L		88
12) Benzene	7.648	78	188159	10.96	ug/L		82
14) 1,2-Dichloroethane	7.851	62	68162	11.07	ug/L		84
15) Trichloroethene	8.214	95	56039	11.27	ug/L		94
16) 1,2-Dichloropropane	8.742	63	46487	10.79	ug/L		85
17) cis-1,3-Dichloropropene	9.394	75	69966	9.83	ug/L	#	70
20) trans-1,3-Dichloropropene	10.017	75	63449	10.56	ug/L	#	76
21) Tetrachloroethene	10.022	166	51685	11.19	ug/L	#	95
22) 1,4-Dichlorobenzene	13.410	146	119017	11.96	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.647	75	9177	11.43	ug/L	#	64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-07\
Data File : Z65746.D
Acq On : 7 Sep 2021 12:48 pm
Operator : CHARLENG
Sample : icv2586-5
Misc : MS49506,VZ2586,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 07 13:06:45 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Chelsea VanDenBurg 09/13/21 10:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:06:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

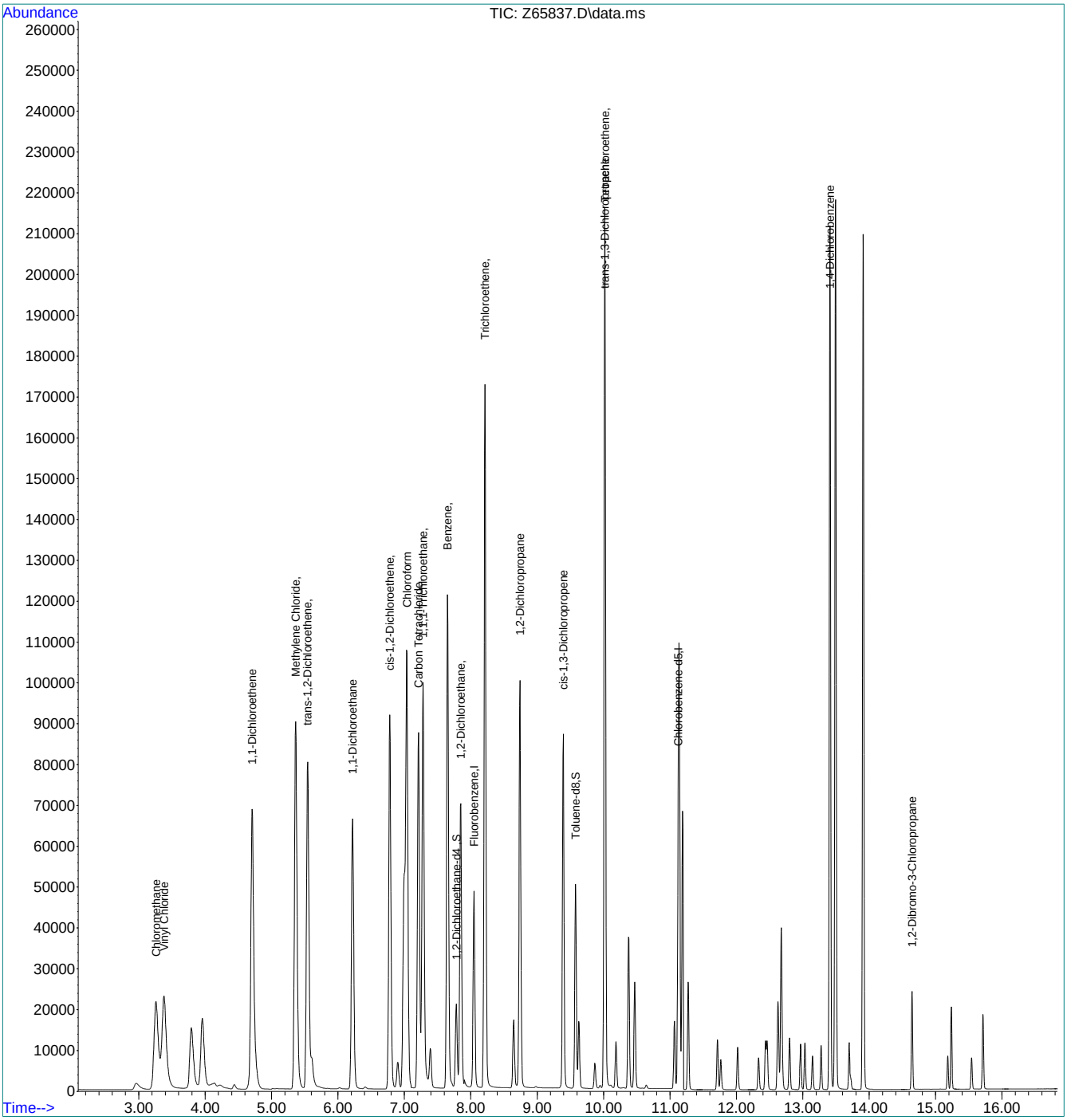
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	8.048	96	57708	5.00	ug/L		0.00
18) Chlorobenzene-d5	11.123	117	46072	5.00	ug/L		0.00
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.784	65	19271	4.94	ug/L		0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 98.80%				
19) Toluene-d8	9.576	98	49622	4.45	ug/L		0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 89.00%				
Target Compounds							Qvalue
2) Vinyl Chloride	3.381	62	69440	11.47	ug/L		97
3) Chloromethane	3.259	50	72760	11.26	ug/L		98
4) 1,1-Dichloroethene	4.708	61	81826	10.76	ug/L		99
5) Methylene Chloride	5.364	49	82874	9.52	ug/L	#	58
6) trans-1,2-Dichloroethene	5.539	61	76892	10.80	ug/L		79
7) 1,1-Dichloroethane	6.221	63	91209	11.05	ug/L		94
8) cis-1,2-Dichloroethene	6.781	96	60562	11.12	ug/L	#	72
9) Chloroform	7.039	83	111237	11.00	ug/L		86
10) Carbon Tetrachloride	7.213	117	73815	10.92	ug/L		97
11) 1,1,1-Trichloroethane	7.281	97	92770	11.26	ug/L		86
12) Benzene	7.648	78	200730	10.81	ug/L		82
14) 1,2-Dichloroethane	7.851	62	72526	10.89	ug/L		85
15) Trichloroethene	8.214	95	61547	11.44	ug/L		90
16) 1,2-Dichloropropane	8.742	63	51933	11.14	ug/L		84
17) cis-1,3-Dichloropropene	9.394	75	74706	9.70	ug/L	#	67
20) trans-1,3-Dichloropropene	10.017	75	62884m	8.85	ug/L		
21) Tetrachloroethene	10.022	166	65169	11.75	ug/L	#	98
22) 1,4-Dichlorobenzene	13.410	146	130111	10.89	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.647	75	8252	8.57	ug/L	#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:06:04 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



Manual Integration Approval Summary

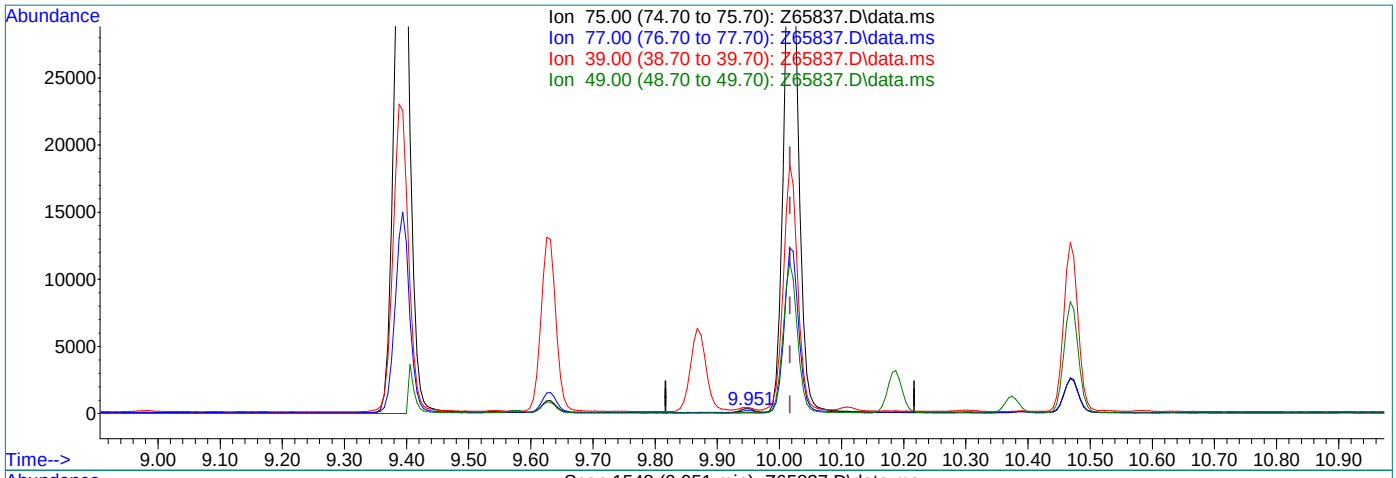
Sample Number: VZ2590-CC2586
Lab FileID: Z65837.D
Injection Time: 09/10/21 14:48
Method: SW846 8260B BY SIM
Analyst approved: 09/11/21 08:49 Charlene Gonzalez
Supervisor approved: 09/13/21 10:27 Chelsea VanDenBurg

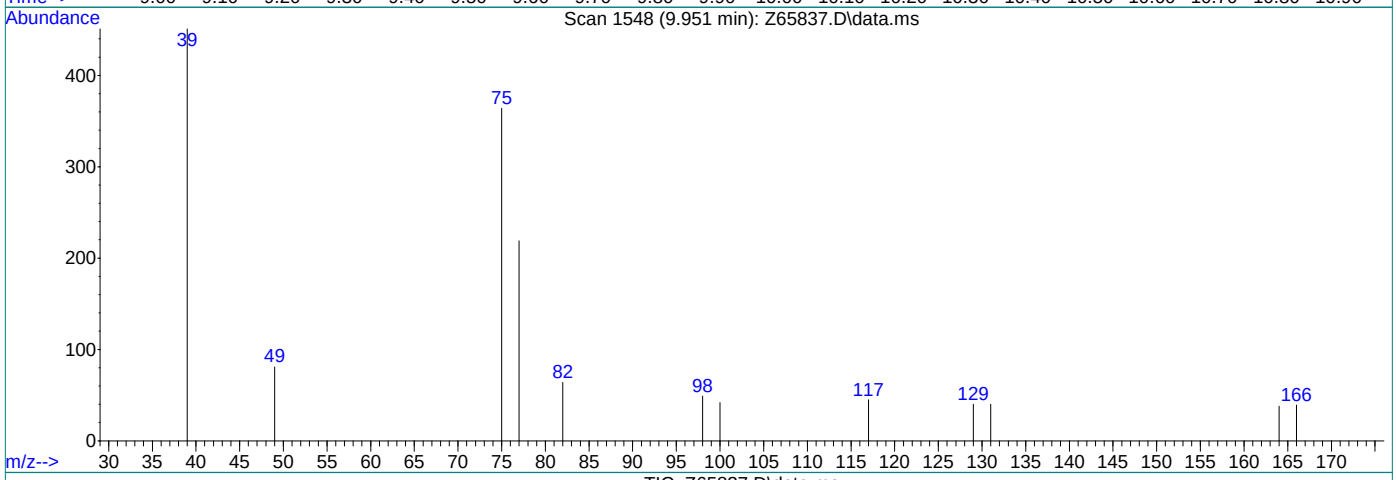
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,3-Dichloropropene	10061-02-6		10.02	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:05:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65837.D\data.ms

(20) trans-1,3-Dichloropropene

9.951min (-0.066) 0.08ug/L

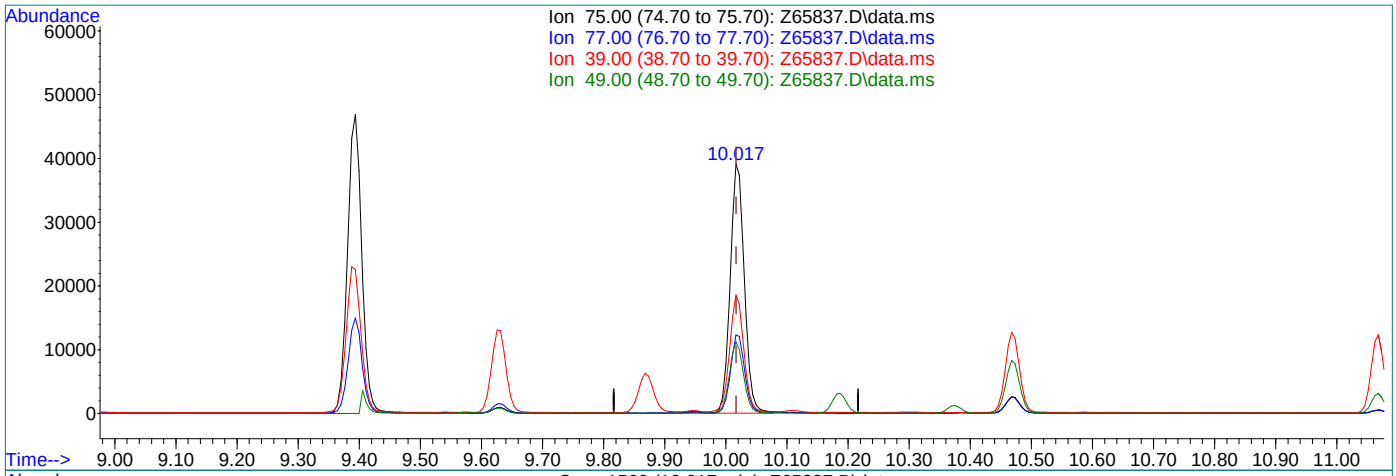
response 493

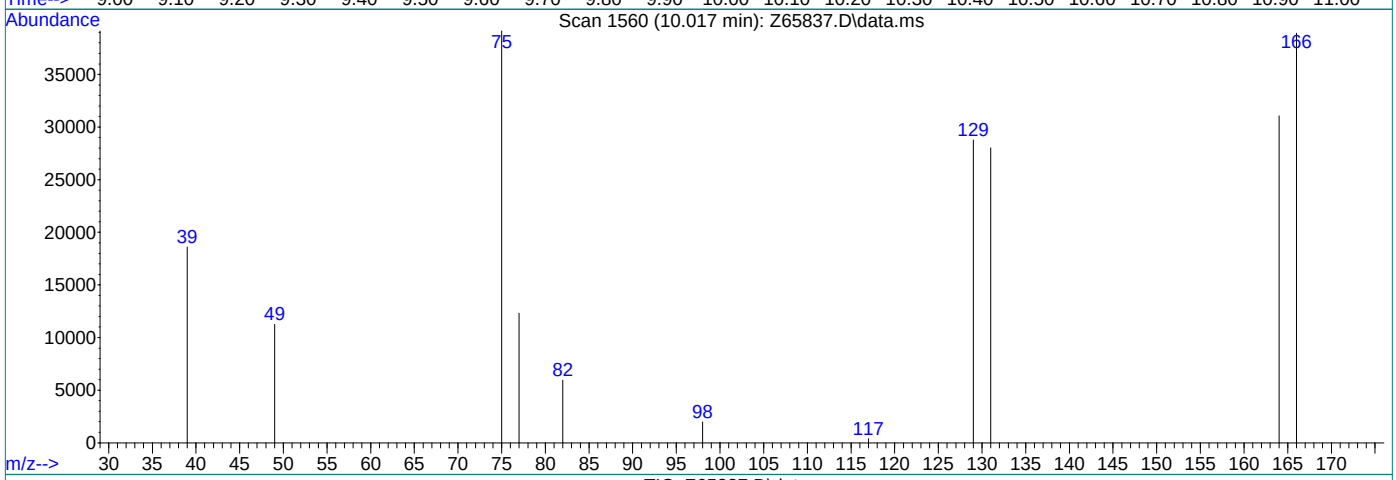
Ion	Exp%	Act%
75.00	100	100
77.00	31.20	41.50
39.00	84.50	57.19
49.00	23.10	12.09

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65837.D
Acq On : 10 Sep 2021 2:48 pm
Operator : CHARLENG
Sample : CC2586-5
Misc : MS49753,VZ2590,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 15:05:48 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration





TIC: Z65837.D\data.ms

(20) trans-1,3-Dichloropropene

10.017min (-0.000) 8.85ug/L m

response 62884

Ion	Exp%	Act%
75.00	100	100
77.00	31.20	31.49
39.00	84.50	47.52#
49.00	23.10	28.74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65862.D
Acq On : 10 Sep 2021 11:18 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 08:25:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration

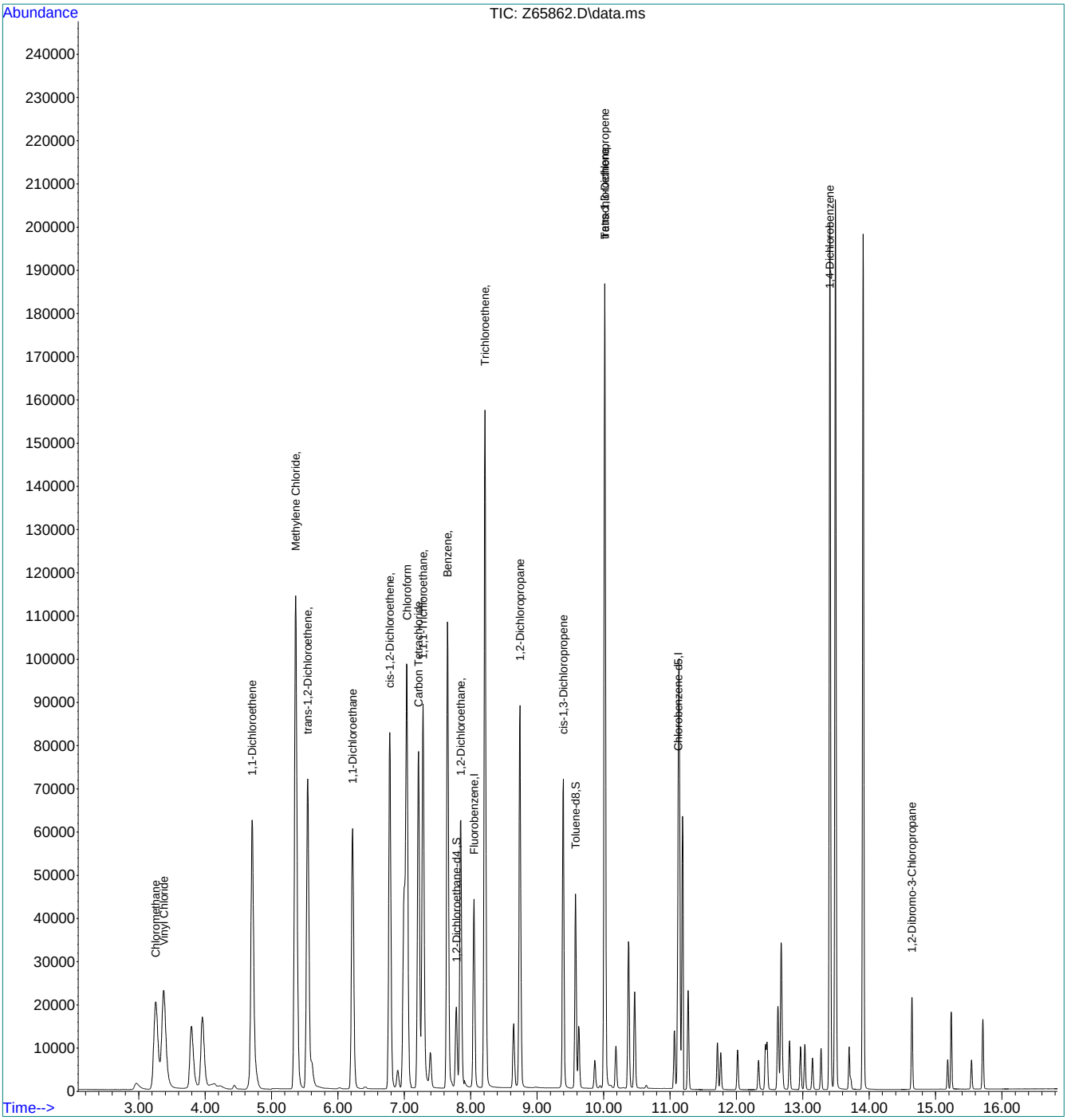
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	8.048	96	52561	5.00	ug/L	0.00
18) Chlorobenzene-d5	11.123	117	42542	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.784	65	17631	4.97	ug/L	0.00
Spiked Amount 5.000	Range 74 - 125		Recovery = 99.40%			
19) Toluene-d8	9.576	98	44592	4.33	ug/L	0.00
Spiked Amount 5.000	Range 88 - 111		Recovery = 86.60%#			
Target Compounds						Qvalue
2) Vinyl Chloride	3.377	62	66010	11.98	ug/L	98
3) Chloromethane	3.255	50	68057	11.54	ug/L	98
4) 1,1-Dichloroethene	4.709	61	70882	10.24	ug/L	99
5) Methylene Chloride	5.364	49	103832	13.09	ug/L #	58
6) trans-1,2-Dichloroethene	5.545	61	68434	10.56	ug/L	74
7) 1,1-Dichloroethane	6.221	63	82525	10.97	ug/L	94
8) cis-1,2-Dichloroethene	6.781	96	55142	11.12	ug/L #	72
9) Chloroform	7.039	83	102105	11.08	ug/L	86
10) Carbon Tetrachloride	7.214	117	66725	10.83	ug/L	97
11) 1,1,1-Trichloroethane	7.281	97	82005	10.93	ug/L	87
12) Benzene	7.648	78	180155	10.65	ug/L	81
14) 1,2-Dichloroethane	7.852	62	64831	10.68	ug/L	85
15) Trichloroethene	8.214	95	57382	11.71	ug/L	89
16) 1,2-Dichloropropane	8.742	63	45941	10.82	ug/L	84
17) cis-1,3-Dichloropropene	9.394	75	61749	8.84	ug/L #	66
20) trans-1,3-Dichloropropene	10.017	75	54039	8.28	ug/L #	73
21) Tetrachloroethene	10.017	166	57122	11.16	ug/L #	95
22) 1,4-Dichlorobenzene	13.407	146	122081	11.07	ug/L	96
23) 1,2-Dibromo-3-Chloropr...	14.644	75	7304	8.21	ug/L #	53

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-09-10\
Data File : Z65862.D
Acq On : 10 Sep 2021 11:18 pm
Operator : CHARLENG
Sample : ECC2586-5
Misc : MS49709,VZ2590,,,,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 08:25:36 2021
Quant Method : C:\msdchem\1\methods\SIMCL-09-07-2021.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Sep 07 12:33:13 2021
Response via : Initial Calibration



SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/07/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response: 1894893	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2586		DATE VERIFIED: 09/08/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65736	BFB	-	-	w	1	BFB_SIM		-	-	-	Passed Autofind
Z65737	MB	-	-	w	2	BFB_SIM		-	-	-	
Z65738	IC2586-1	-	-	w	3	ACQ_SIMCLB	#3 OP ; 9-11 PDB ; 22, 23 MP	-	-	-	1µL → 100mL ✓
Z65739	IC2586-2	-	-	w	4	ACQ_SIMCLB	#2, 3 OP ; 9-11 PDB ; 23 MP	-	-	-	5µL → 100mL ✓
Z65740	IC2586-3	-	-	w	5	ACQ_SIMCLB		-	-	-	10µL → 50mL ✓
Z65741	IC2586-4	-	-	w	6	ACQ_SIMCLB		-	-	-	25µL → 50mL ✓
Z65742	ICC2586-5	-	-	w	7	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65743	IC2586-6	-	-	w	8	ACQ_SIMCLB		-	-	-	75µL → 50mL ✓
Z65744	IC2586-7	-	-	w	9	ACQ_SIMCLB		-	-	-	100µL → 50mL ✓
Z65745	MB	-	-	w	10	ACQ_SIMCLB		-	-	-	
Z65746	ICV2586-5	-	-	w	11	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓
Z65747	BS	-	-	w	12	ACQ_SIMCLB		-	-	-	20µL → 40mL (not used, VC↓)
Z65748	MB	-	-	w	13	ACQ_SIMCLB		-	-	-	
Z65749	BS	-	-	w	14	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65750	MB	-	-	w	15	ACQ_SIMCLB		-	-	-	MeC hit
Z65751	FA88617-2	1x	1	w	16	ACQ_SIMCLB		1	N	-	
Z65752	FA88617-3	1x	1	w	17	ACQ_SIMCLB		1	N	-	
Z65753	FA88617-11	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65754	FA88619-1	1x	1	w	19	ACQ_SIMCLB		1	N	-	
Z65755	FA88619-2	1x	1	w	20	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65756	FA88617-1	1x	1	w	21	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65757	FA88617-4	1x	1	w	22	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65758	FA88617-5	1x	1	w	23	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65759	FA88617-6	1x	1	w	24	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65760	FA88617-7	1x	1	w	25	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65761	FA88617-8	1x	1	w	26	ACQ_SIMCLB	#11 PDB	1	N	-	
Z65762	FA88617-9	1x	1	w	27	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65763	FA88617-10	1x	1	w	28	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65764	FA88617-12	1x	1	w	29	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65765	FA88619-2MS	5x	1	w	30	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65766	FA88619-2MSD	5x	1	w	31	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65767	ECC2586-5	-	-	w	32	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rationale SOP QA029 **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, BR Baseline Ripple, **PII** Poor Instrument Integration

Analyst's Signature: CharleneG.

SGS -ORLANDO

MSVOA15-Z-ANALYSIS LOG

DATE: 09/10/2021	METHOD(s): SimChloride	BFB: V26371	PH LOT: 1 to 12 pH lot #: 200814
COLUMN TYPE: RTX-VMS	METHOD FILE(s): SIMCL-09-07-2021.M	ICAL/CC: VS1466, VS1471	0 to 3 pH lot#: 220416
DETECTOR: 5975C MSD			KI PAPER LOT: 060117
INSTRUMENT: MSVOA15-Z	CALIB. DATE: 09/07/2021	ISTD/SURR: VS1465	Processed By: CG
PURGE PRESSURE: 13.6psi	EM VOLTAGE: 1482V	ICV/QC: VS1467, VS1472	SAMPLE VERIFIED BY: CG
PURGE VOLUME: 5 mL	BFB Response:1404952	AFA: N/A	
ANALYST: Charlene G	Run I.D VZ2590		DATE VERIFIED: 09/11/2021

Data File	Sample ID	DIL.	VIAL #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONAL, PEAK #	PH	CL ?	RR	COMMENTS
Z65835	MB	-	-	w	1	BFB_SIM		-	-	-	
Z65836	BFB	-	-	w	2	BFB_SIM		-	-	-	Passed Autofind
Z65837	CC2586-5	-	-	w	3	ACQ_SIMCLB	#20 MP	-	-	-	50µL → 50mL ✓
Z65838	BS	-	-	w	4	ACQ_SIMCLB		-	-	-	20µL → 40mL ✓
Z65839	MB	-	-	w	5	ACQ_SIMCLB		-	-	-	
Z65840	FA88620-1	1x	1	w	6	ACQ_SIMCLB		1	N	-	
Z65841	FA88606-1	1x	1	w	7	ACQ_SIMCLB		1	N	-	
Z65842	FA88606-2	1x	1	w	8	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65843	FA88606-3	1x	1	w	9	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65844	FA88606-4	1x	1	w	10	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65845	FA88606-5	1x	1	w	11	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65846	FA88606-6	1x	1	w	12	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65847	FA88606-7	1x	1	w	13	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65848	FA88606-8	1x	1	w	14	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65849	FA88606-9	1x	1	w	15	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65850	FA88606-10	1x	1	w	16	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65851	FA88606-11	1x	1	w	17	ACQ_SIMCLB	#10 PDB	1	N	-	
Z65852	FA88606-12	1x	1	w	18	ACQ_SIMCLB		1	N	-	
Z65853	FA88606-13	1x	1	w	19	ACQ_SIMCLB	#9 PDB	1	N	-	
Z65854	FA88606-14	1x	1	w	20	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65855	FA88606-15	1x	1	w	21	ACQ_SIMCLB		1	N	-	
Z65856	FA88606-16	1x	1	w	22	ACQ_SIMCLB		1	N	-	
Z65857	FA88606-17	1x	1	w	23	ACQ_SIMCLB		1	N	-	
Z65858	FA88606-18	1x	1	w	24	ACQ_SIMCLB	#9, 10 PDB	1	N	-	
Z65859	FA88606-19	1x	1	w	25	ACQ_SIMCLB		1	N	-	
Z65860	FA88606-3MS	5x	1	w	26	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65861	FA88606-3MSD	5x	1	w	27	ACQ_SIMCLB		1	N	-	20µL → 40mL ✓
Z65862	ECC2586-5	-	-	w	28	ACQ_SIMCLB		-	-	-	50µL → 50mL ✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005. Matrix: Designate "W" for Water "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration.

Analyst's Signature: Charlene G.

Appendix B

Select Monitoring Wells COC Trends

Table B1. Well Trend Figure List

By Well ID/Figure #			
Well ID	**Figure #B**	**Hydraulic Zone**	**EISB Deployment Area**
A-Aquifer			
EISB-EW-01	1	5	Pilot Study
EISB-EW-02	2	5	Pilot Study
EISB-EW-09	3	5	Pilot Study
EISB-MW-01	4	5	Pilot Study
EW-BW-109-A	5	1	1C
EW-BW-124-A	6	4	2A
EW-BW-129-A	7	4	2A
EW-BW-132-A	8	4	2B
EW-BW-135-A	9	4	2A
EW-BW-149-A	10	4	2B
EW-BW-155-A	11	4	2B
EW-BW-160-A	12	2	3A
EW-BW-165-A	13	3	3A
EW-BW-166-A	14	3	3A
EW-BW-167-A	15	3	3A
EW-BW-168-A	16	3	3A
EW-BW-169-A	17	3	3A
MP-BW-46-095	18	1	1C
MW-B-14-A	19	4	2B
MW-BW-15-A	20	4	2B
MW-BW-17-A	21	4	2A
MW-BW-24-A	22	1	None
MW-BW-26-A	23	4	2A
MW-BW-28-A	24	4	None
MW-BW-31-A	25	4	None
MW-BW-32-A	26	4	None
MW-BW-35-A	27	4	None
MW-BW-36-A	28	4	None
MW-BW-42-A	29	4	None
MW-BW-49-A	30	5	None
MW-BW-56-A	31	3	3A
MW-BW-60-A	32	4	2B
MW-BW-65-A	33	5	None
MW-BW-66-A	34	5	Pilot Study
MW-BW-74-A	35	5	None
MW-BW-75-A	36	5	None
MW-BW-79-A	37	5	None
MW-BW-80-A	38	5	None
MW-BW-82-A	39	5	None
MW-BW-85-A	40	2	None
MW-BW-87-A	41	2	3A

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-88-A	42	3	None
MW-BW-89-A	43	3	None
MW-BW-90-A	44	2	None
MW-BW-91-A	45	2	3A
MW-BW-92-A	46	4	None
MW-BW-93-A	47	3	None
MW-BW-94-AR	48	2	None
MW-BW-95-A	49	3	None
Upper 180-Foot Aquifer			
EW-OU2-09-180	50	6	N/A
MP-BW-46-170	51	6	N/A
MW-BW-52-180	52	6	N/A
MW-BW-57-180	53	6	N/A
MW-OU2-64-180	54	6	N/A
MW-OU2-67-180	55	6	N/A
Lower 180-Foot Aquifer			
Airfield	56	8	N/A
EW-OU2-07-180	57	N/A	N/A
FO-29	58	N/A	N/A
FO-30	59	N/A	N/A
FO-31	60	N/A	N/A
MP-BW-31-292	61	8	N/A
MP-BW-41-353	62	N/A	N/A
MP-BW-42-345	63	N/A	N/A
MP-BW-49-316	64	7	N/A
MP-BW-49-400	65	7	N/A
MP-BW-50-339	66	7	N/A
MP-BW-50-384	67	7	N/A
MP-BW-51-405	68	7	N/A
MW-BW-04-180	69	N/A	N/A
MW-BW-59-180	70	N/A	N/A
MW-OU2-69-180	71	7	N/A
MW-OU2-72-180	72	N/A	N/A
MW-OU2-82-180	73	N/A	N/A

Notes:

#: number

EISB: enhanced in-situ bioremediation

N/A: not applicable

Table B1. Well Trend Figure List

By Hydraulic Zone			
Well ID	**Figure #B**	**Hydraulic Zone**	**EISB Deployment Area**
A-Aquifer			
EW-BW-109-A	5	1	1C
MP-BW-46-095	18	1	1C
MW-BW-24-A	22	1	None
EW-BW-160-A	12	2	3A
MW-BW-85-A	40	2	None
MW-BW-87-A	41	2	3A
MW-BW-90-A	44	2	None
MW-BW-91-A	45	2	3A
MW-BW-94-AR	48	2	None
EW-BW-165-A	13	3	3A
EW-BW-166-A	14	3	3A
EW-BW-167-A	15	3	3A
EW-BW-168-A	16	3	3A
EW-BW-169-A	17	3	3A
MW-BW-56-A	31	3	3A
MW-BW-88-A	42	3	None
MW-BW-89-A	43	3	None
MW-BW-93-A	47	3	None
MW-BW-95-A	49	3	None
EW-BW-124-A	6	4	2A
EW-BW-129-A	7	4	2A
EW-BW-132-A	8	4	2B
EW-BW-135-A	9	4	2A
EW-BW-149-A	10	4	2B
EW-BW-155-A	11	4	2B
MW-B-14-A	19	4	2B
MW-BW-15-A	20	4	2B
MW-BW-17-A	21	4	2A
MW-BW-26-A	23	4	2A
MW-BW-28-A	24	4	None
MW-BW-31-A	25	4	None
MW-BW-32-A	26	4	None
MW-BW-35-A	27	4	None
MW-BW-36-A	28	4	None
MW-BW-42-A	29	4	None
MW-BW-60-A	32	4	2B
MW-BW-92-A	46	4	None
EISB-EW-01	1	5	Pilot Study
EISB-EW-02	2	5	Pilot Study
EISB-EW-09	3	5	Pilot Study
EISB-MW-01	4	5	Pilot Study

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-49-A	30	5	None
MW-BW-65-A	33	5	None
MW-BW-66-A	34	5	Pilot Study
MW-BW-74-A	35	5	None
MW-BW-75-A	36	5	None
MW-BW-79-A	37	5	None
MW-BW-80-A	38	5	None
MW-BW-82-A	39	5	None
Upper 180-Foot Aquifer			
EW-OU2-09-180	50	6	N/A
MP-BW-46-170	51	6	N/A
MW-BW-52-180	52	6	N/A
MW-BW-57-180	53	6	N/A
MW-OU2-64-180	54	6	N/A
MW-OU2-67-180	55	6	N/A
Lower 180-Foot Aquifer			
MP-BW-49-316	64	7	N/A
MP-BW-49-400	65	7	N/A
MP-BW-50-339	66	7	N/A
MP-BW-50-384	67	7	N/A
MP-BW-51-405	68	7	N/A
MW-OU2-69-180	71	7	N/A
Airfield	56	8	N/A
MP-BW-31-292	61	8	N/A
EW-OU2-07-180	57	N/A	N/A
FO-29	58	N/A	N/A
FO-30	59	N/A	N/A
FO-31	60	N/A	N/A
MP-BW-41-353	62	N/A	N/A
MP-BW-42-345	63	N/A	N/A
MW-BW-04-180	69	N/A	N/A
MW-BW-59-180	70	N/A	N/A
MW-OU2-72-180	72	N/A	N/A
MW-OU2-82-180	73	N/A	N/A

Notes:

#: number

EISB: enhanced in-situ bioremediation

N/A: not applicable

Table B1. Well Trend Figure List

By EISB Deployment Area (A-Aquifer only)			
Well ID	**Figure #B**	**Hydraulic Zone**	**EISB Deployment Area**
A-Aquifer			
EISB-EW-01	1	5	Pilot Study
EISB-EW-02	2	5	Pilot Study
EISB-EW-09	3	5	Pilot Study
EISB-MW-01	4	5	Pilot Study
MW-BW-66-A	34	5	Pilot Study
EW-BW-109-A	5	1	1C
MP-BW-46-095	18	1	1C
EW-BW-124-A	6	4	2A
EW-BW-129-A	7	4	2A
EW-BW-135-A	9	4	2A
MW-BW-17-A	21	4	2A
MW-BW-26-A	23	4	2A
EW-BW-132-A	8	4	2B
EW-BW-149-A	10	4	2B
EW-BW-155-A	11	4	2B
MW-B-14-A	19	4	2B
MW-BW-15-A	20	4	2B
MW-BW-60-A	32	4	2B
EW-BW-160-A	12	2	3A
EW-BW-165-A	13	3	3A
EW-BW-166-A	14	3	3A
EW-BW-167-A	15	3	3A
EW-BW-168-A	16	3	3A
EW-BW-169-A	17	3	3A
MW-BW-56-A	31	3	3A
MW-BW-87-A	41	2	3A
MW-BW-91-A	45	2	3A
MW-BW-24-A	22	1	None
MW-BW-28-A	24	4	None
MW-BW-31-A	25	4	None
MW-BW-32-A	26	4	None
MW-BW-35-A	27	4	None
MW-BW-36-A	28	4	None
MW-BW-42-A	29	4	None
MW-BW-49-A	30	5	None
MW-BW-65-A	33	5	None
MW-BW-74-A	35	5	None
MW-BW-75-A	36	5	None
MW-BW-79-A	37	5	None
MW-BW-80-A	38	5	None
MW-BW-82-A	39	5	None

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-85-A	40	2	None
MW-BW-88-A	42	3	None
MW-BW-89-A	43	3	None
MW-BW-90-A	44	2	None
MW-BW-92-A	46	4	None
MW-BW-93-A	47	3	None
MW-BW-94-AR	48	2	None
MW-BW-95-A	49	3	None

Notes:

#: number

EISB: enhanced in-situ bioremediation

N/A: not applicable

Table B2. CT Well Trend Analysis

Hydraulic Zone CT Trend Summary 2020-2021								
Aquifer	**Hydraulic Zone**	**Number of Wells above CT ACL**	**2020-2021 Max CT Quarter**	**2020-2021 Max CT Concentration (µg/L)**	**Qual**	**Max Well Identification**	**CT Trend**	**App B Figure#**
A-Aquifer	1	1	2021-1Q	**1.4**	**J+**	EW-BW-109-A	Down	B5
A-Aquifer	2	6	2021-1Q	**3.9**	**J+**	MW-BW-87-A	Up	B41
A-Aquifer	3	3	2021-1Q	**1.4**		MW-BW-95-A	Down	B49
A-Aquifer	4	11	2020-4Q	**4.1**		EW-BW-129-A	Down	B7
A-Aquifer	5	7	2021-3Q	**5.4**		MW-BW-80-A	Up	B38
A-Aquifer	Total/Max	28	2021-3Q	**5.4**		MW-BW-80-A	Up	B38
Upper	6	4	2021-1Q	**8.7**	**J+**	MW-OU2-64-180	Steady	B54
Lower	7	4	2021-1Q	**4.1**	**J+**	MP-BW-49-316	Up	B64
Lower	8	0	2021-2Q	0.44	J	AIRFIELD	Down	B56

Wells above CT ACL Trend Summary 2020-2021									
Aquifer	**Hydraulic Zone**	**Well Identification**	**Historic Max CT Quarter**	**Historic Max CT Concentration (µg/L)**	**Qual**	**2020-2021 Max CT Concentration (µg/L)**	**Qual**	**CT Trend**	**App B Figure#**
A-Aquifer	1	EW-BW-109-A	2012-1Q	**6.6**		**1.4**	**J+**	Down	B5
A-Aquifer	2	EW-BW-160-A	2019-2Q	**3.2**		**2.1**		Steady	B12
A-Aquifer	2	MW-BW-85-A	2019-1Q	**1.4**	**J+**	**1.2**	**J+**	Steady	B40
A-Aquifer	2	MW-BW-87-A	2016-3Q	**5.1**	**J+**	**3.9**	**J+**	Up	B41
A-Aquifer	2	MW-BW-90-A	2020-3Q	**1.9**		**1.4**		Steady	B44
A-Aquifer	2	MW-BW-91-A	2017-4Q	**4.4**		**1.3**		Steady	B45
A-Aquifer	2	MW-BW-94-AR	2020-3Q	**0.64**		**0.56**		Down	B48
A-Aquifer	3	MW-BW-88-A	2017-3Q	**3.0**		**0.92**		Steady	B42
A-Aquifer	3	MW-BW-89-A	2015-4Q	**2.4**		**0.73**		Down	B43
A-Aquifer	3	MW-BW-95-A	2018-4Q	**1.5**		**1.4**		Down	B49
A-Aquifer	4	EW-BW-124-A	2011-2Q	**20.0**		**0.94**	**J+**	Steady	B6
A-Aquifer	4	EW-BW-129-A	2011-1Q	**6.9**		**4.1**		Down	B7
A-Aquifer	4	EW-BW-140-A	2011-2Q	**2.8**		**0.97**	**J+**	Steady	-

Table B2. CT Well Trend Analysis

Wells above CT ACL 2020-2021									
Aquifer	**Hydraulic Zone**	**Well Identification**	**Historic Max CT Quarter**	**Historic Max CT Concentration (µg/L)**	**Qual**	**2020-2021 Max CT Concentration (µg/L)**	**Qual**	**CT Trend**	**App B Figure#**
A-Aquifer	4	EW-BW-155-A	2013-1Q	**15.6**		**0.95**		Steady	B11
A-Aquifer	4	MW-B-14-A	2011-4Q	**12.1**		**0.55**		Down	B19
A-Aquifer	4	MW-BW-26-A	2018-2Q	**6.9**		**3.7**		Down	B23
A-Aquifer	4	MW-BW-28-A	2011-4Q	**2.3**		**0.60**		Steady	B24
A-Aquifer	4	MW-BW-31-A	2019-2Q	**1.5**		**0.88**		Up	B25
A-Aquifer	4	MW-BW-32-A	2001-3Q	**8.9**		**1.2**		Steady	B26
A-Aquifer	4	MW-BW-36-A	2015-2Q	**3.4**		**0.65**		Down	B28
A-Aquifer	4	MW-BW-92-A	2015-4Q	**3.1**		**1.2**		Steady	B46
A-Aquifer	5	EISB-EW-09	2008-3Q	**6.5**	**J+**	**1.1**		Steady	B3
A-Aquifer	5	MW-BW-65-A	2013-4Q	**1.6**		**0.56**		Up	B33
A-Aquifer	5	MW-BW-66-A	2011-4Q	**9.1**		**0.53**		Steady	B34
A-Aquifer	5	MW-BW-75-A	2021-1Q	**2.9**	**J+**	**2.9**	**J+**	Up	B36
A-Aquifer	5	MW-BW-79-A	2019-1Q	**2.4**	**J+**	**0.64**		Up	B37
A-Aquifer	5	MW-BW-80-A	**2021-3Q**	**5.4**		**5.4**		Up	B38
A-Aquifer	5	MW-BW-82-A	**2021-1Q**	**1.4**		**1.4**		Steady	B39
Upper	6	MP-BW-46-170	2019-1Q	**8.9**	**J**	**6.4**	**J+**	Steady	B51
Upper	6	MW-BW-52-180	2004-2Q	**4.4**		**0.70**		Down	B52
Upper	6	MW-BW-57-180	2020-1Q	**1.1**		**0.82**		Down	B53
Upper	6	MW-OU2-64-180	2014-4Q	**10.5**		**8.7**	**J+**	Steady	B54
Lower	7	MP-BW-49-287	2019-1Q	**1.9**		**0.86**	**J+**	Steady	-
Lower	7	MP-BW-49-316	**2021-1Q**	**4.1**	**J+**	**4.1**	**J+**	Up	B64
Lower	7	MP-BW-50-339	2019-2Q	**1.3**		**1.2**		Up	B66
Lower	7	MW-OU2-69-180	**2021-1Q**	**1.4**	**J+**	**1.4**	**J+**	Up	B71

Table B2. CT Well Trend Analysis

Notes:

-: no figure in Appendix B

Concentrations listed in **bold** are above the established ACL.

Quarters listed in **bold** are during the current reporting period.

Hydraulic zones are based on the areas of groundwater with COC concentrations above ACLS are influenced by the groundwater remedy as shown in the QAPP.

CT Trend Analysis conducted visually using recent data.

Acronyms and Abbreviations:

µg/L: micrograms per liter

2020-2021 Max.: maximum concentration detected from 10/1/2020 through 9/30/2021

ACL: Aquifer Cleanup Level

App: appendix

CT: Carbon tetrachloride

EW: Extraction Well

Max: maximum

MW: Monitoring Well

N/A: not applicable

ND: Not detected

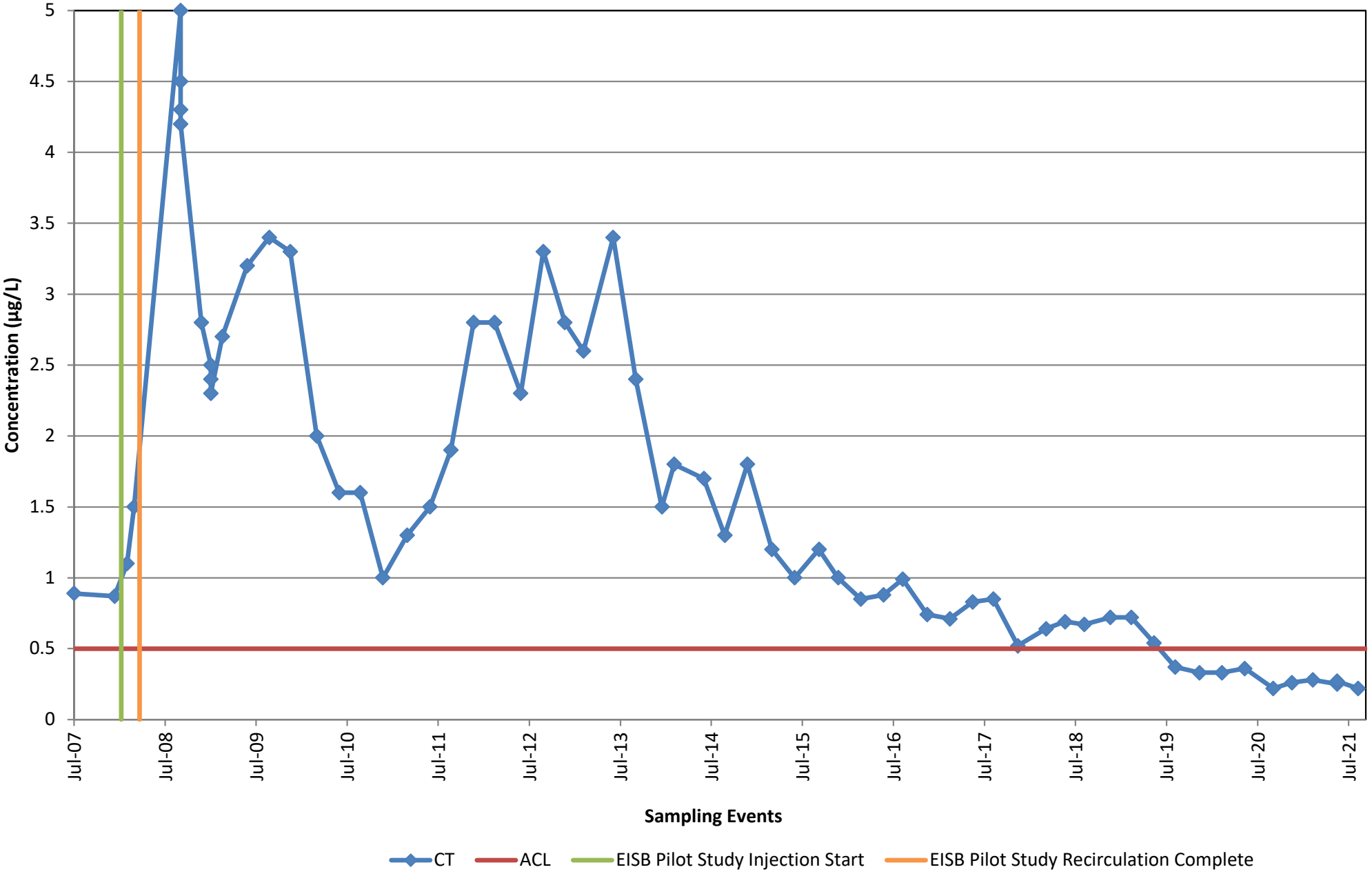
OUCTP: Operable Unit Tetrachloride Plume

QAPP: Quality Assurance Project Plan

Qual: qualifier

Data Validation Qualifiers:

J: Laboratory or validation qualifier, estimated result between detection limit and limit of quantitation with a possible high (+) or low (-) bias.

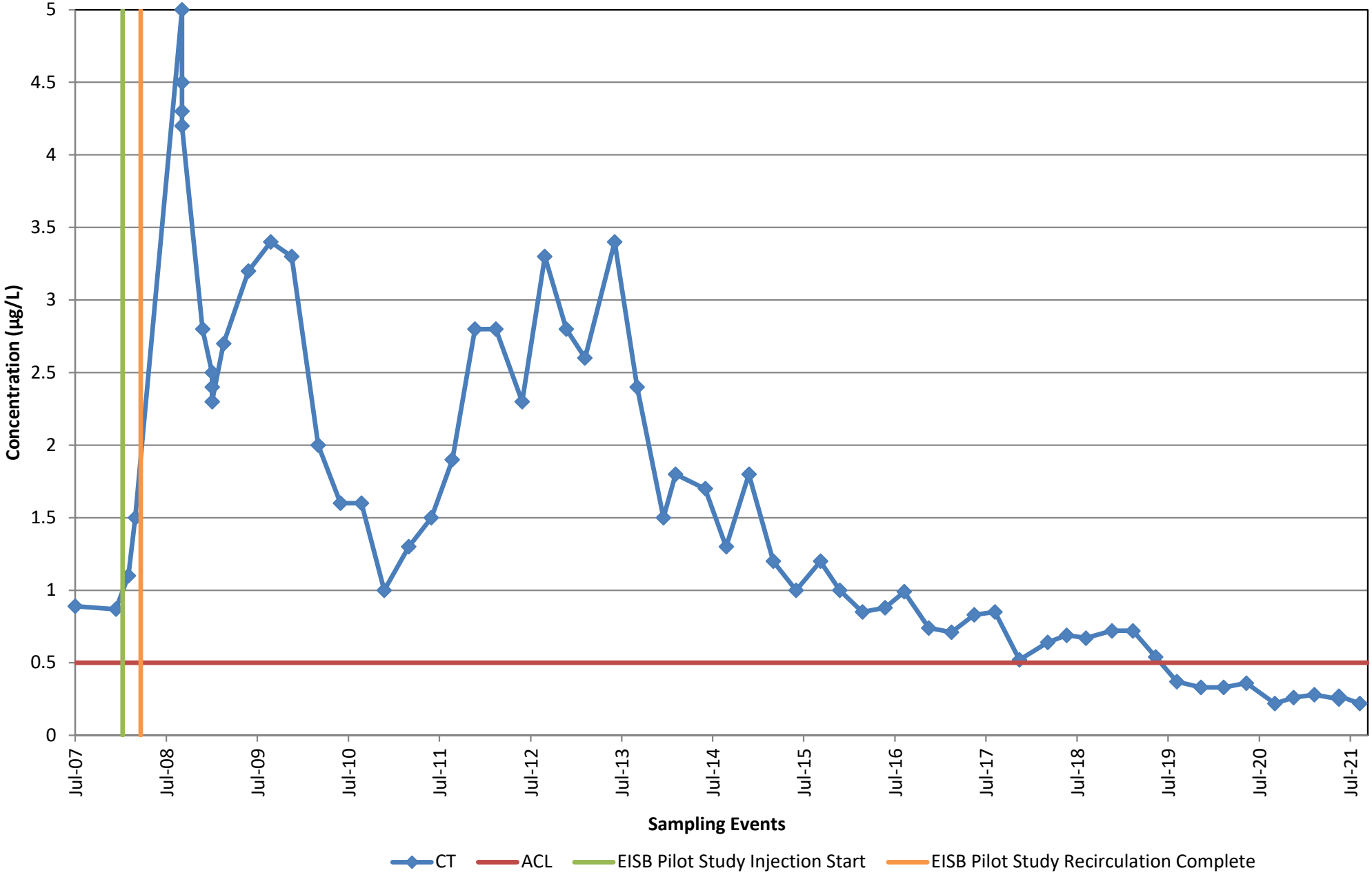


Ahtna

EISB-EW-01
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B1

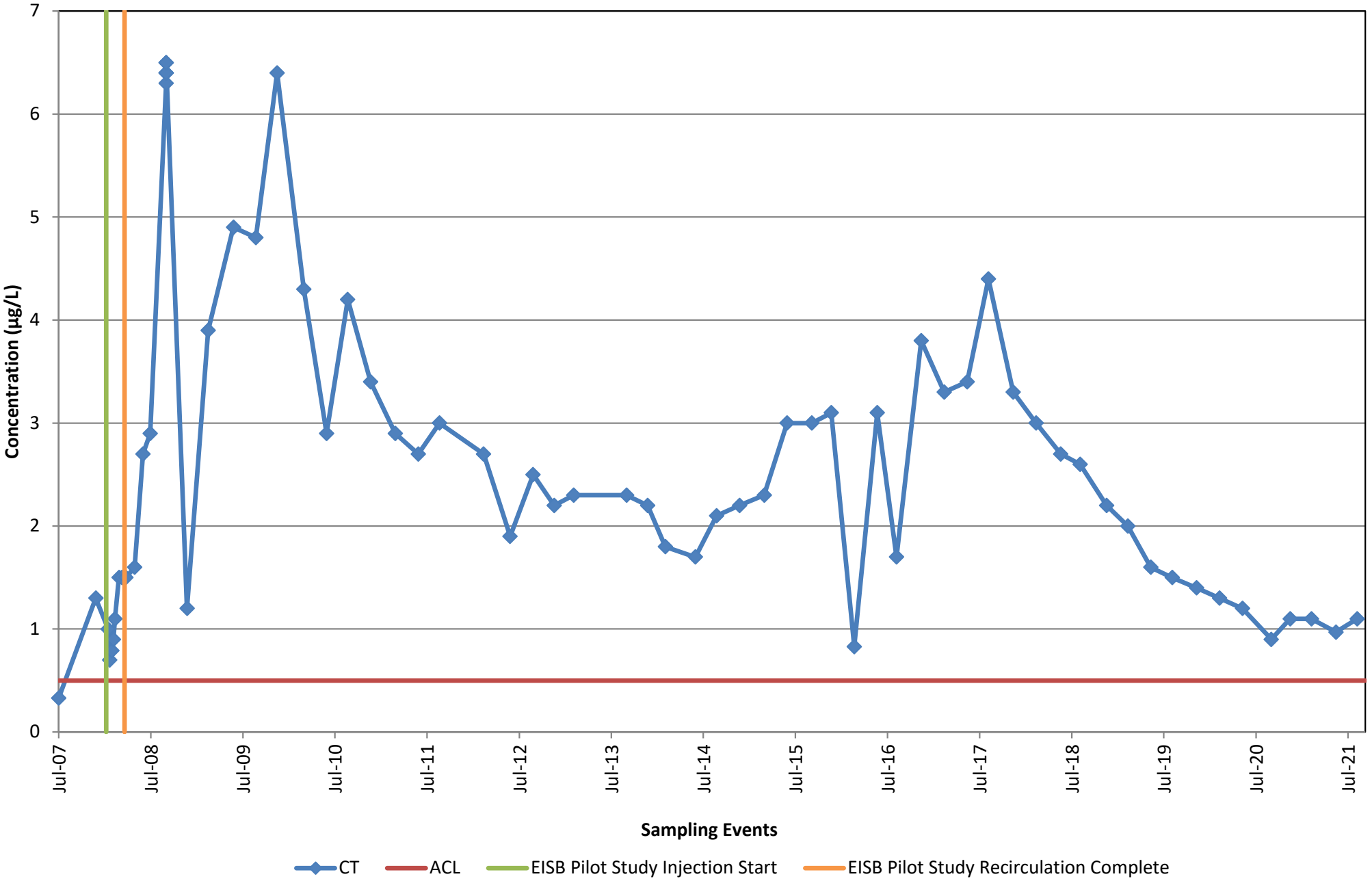


Ahtna

EISB-EW-02
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B2



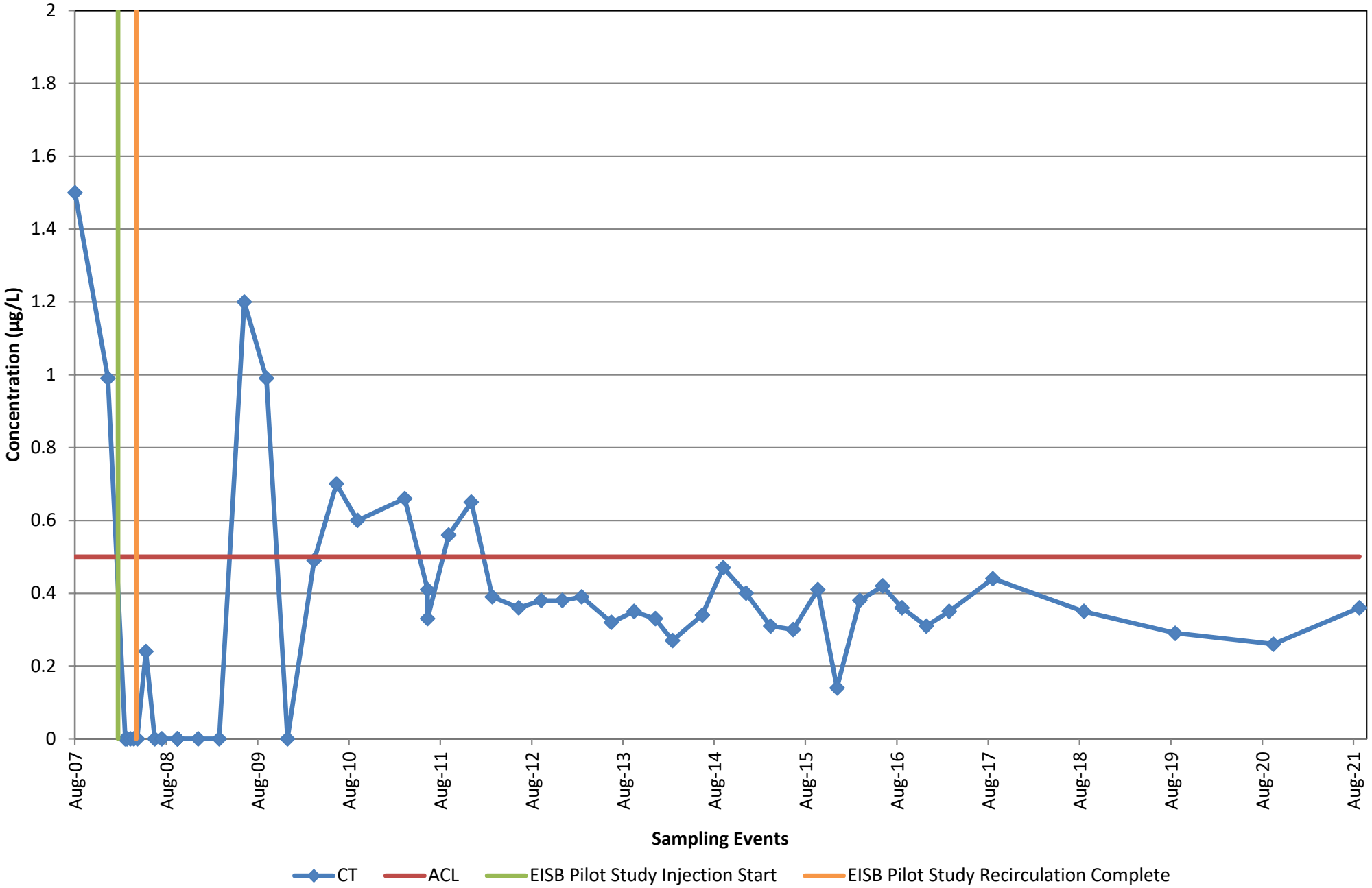
Ahtna

EISB-EW-09
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B3



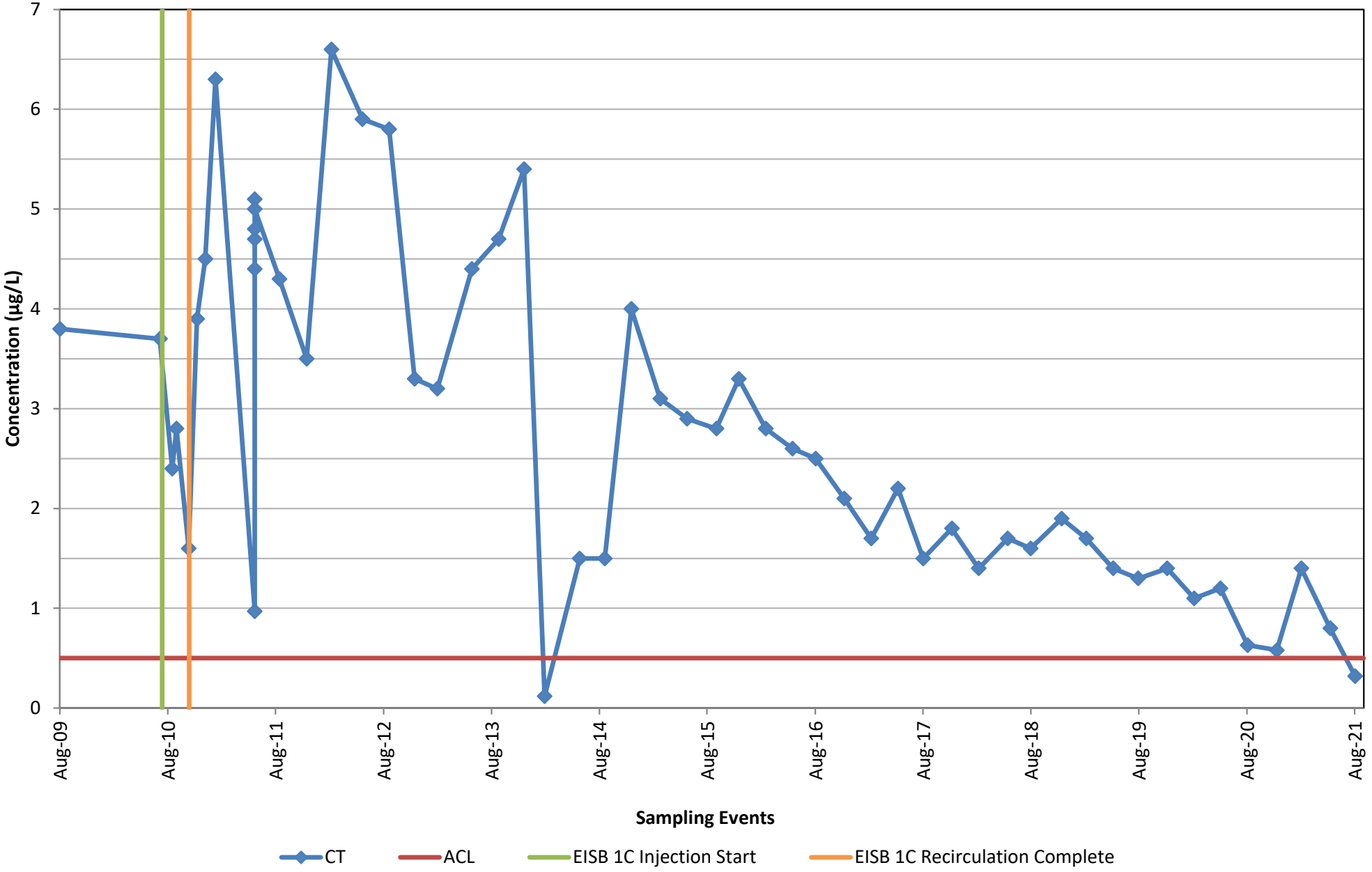
Ahtna

EISB-MW-01
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B4



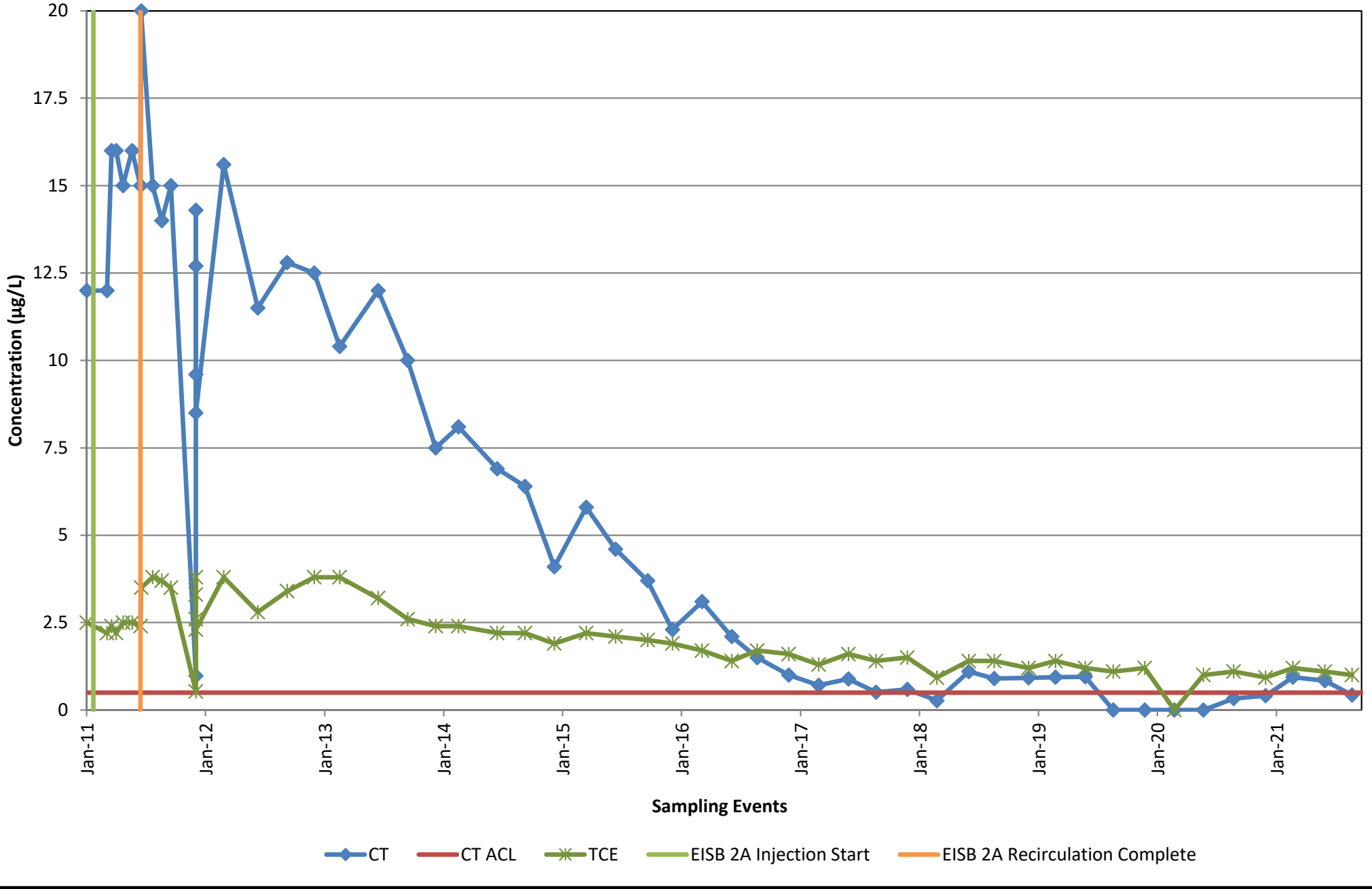
Ahtna

EW-BW-109-A
(Hydraulic Zone 1) [EISB Deployment Area 1C]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B5



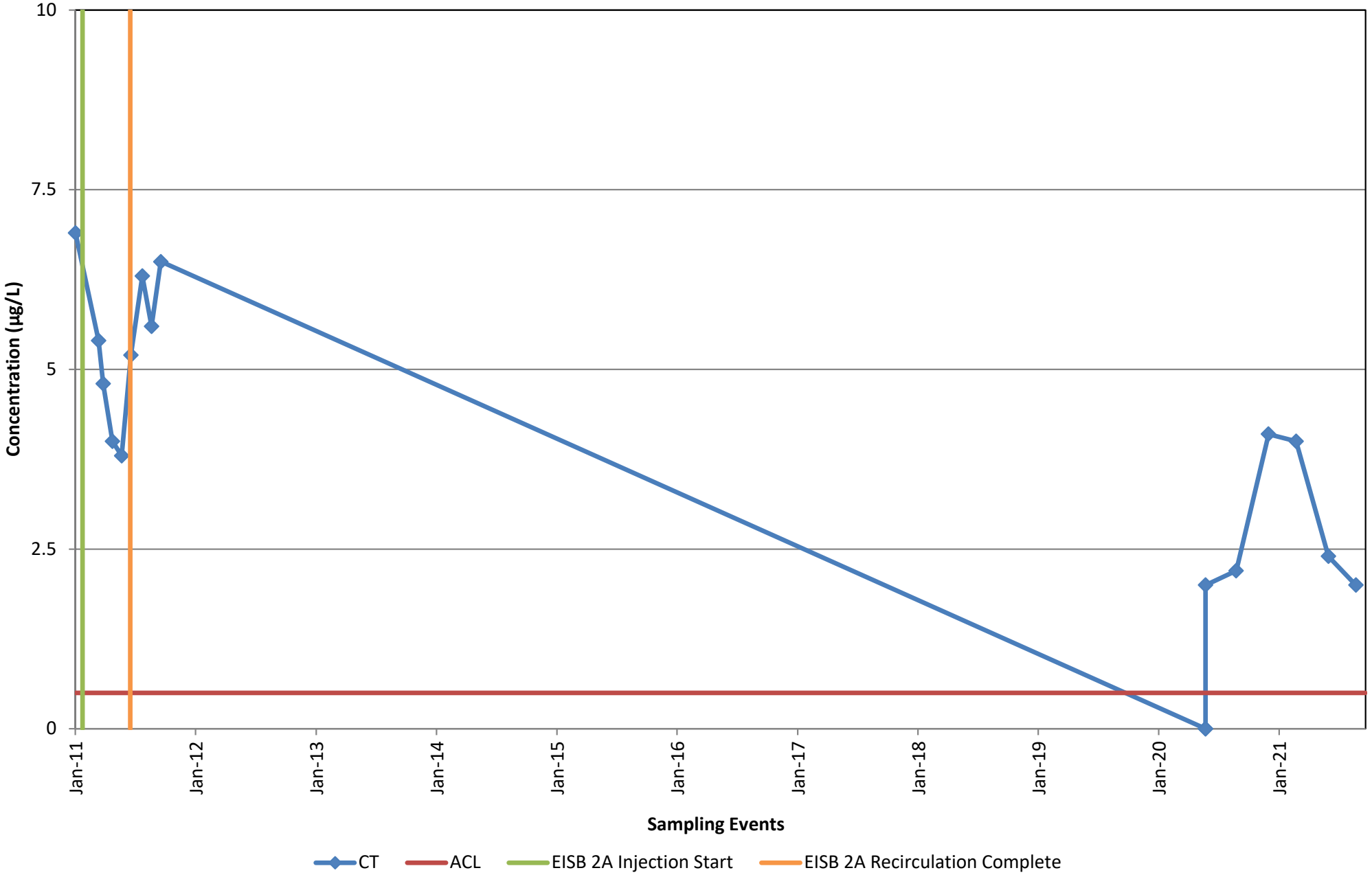
Ahtna

EW-BW-124-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B6



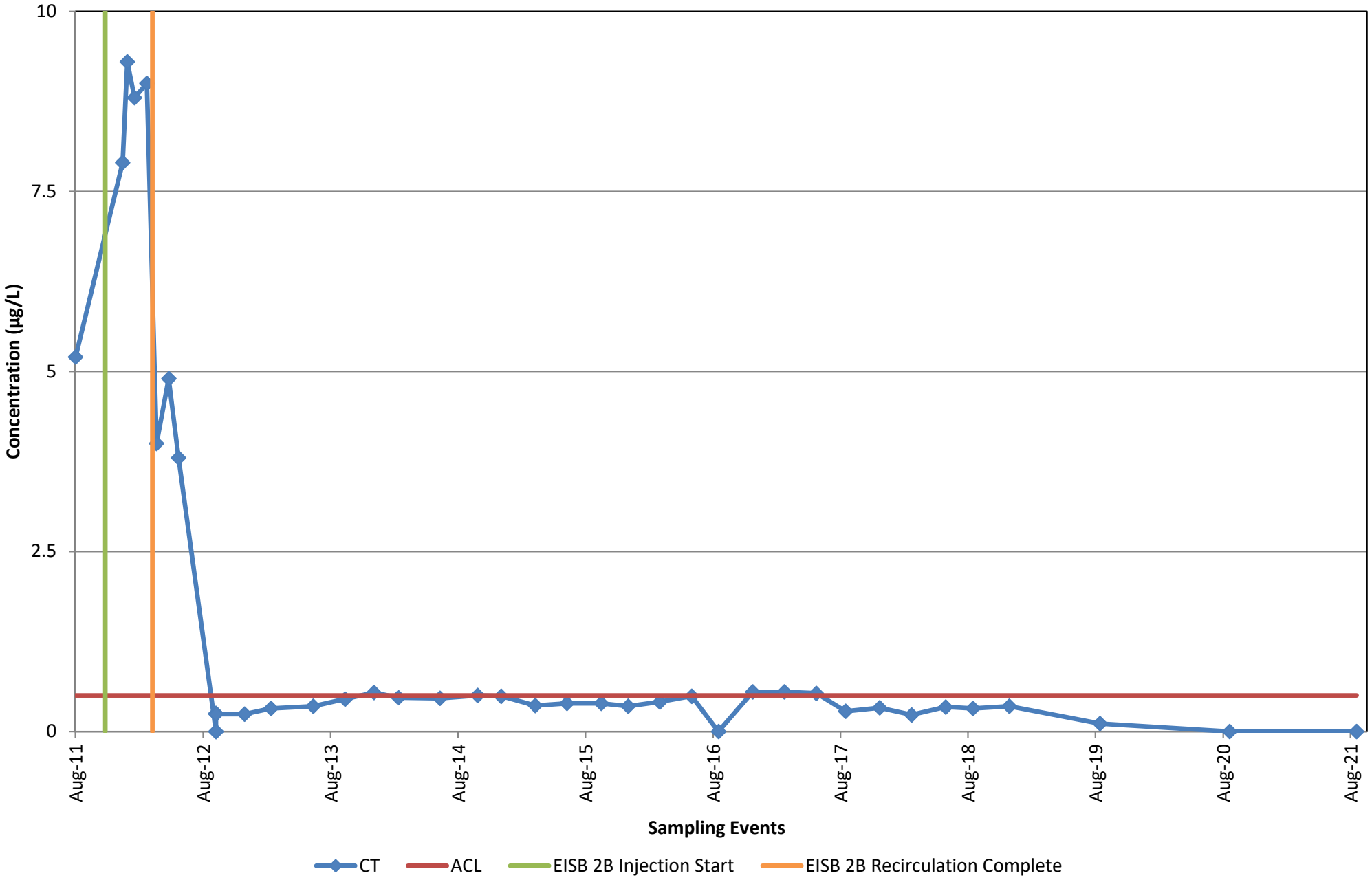
Ahtna

EW-BW-129-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B7



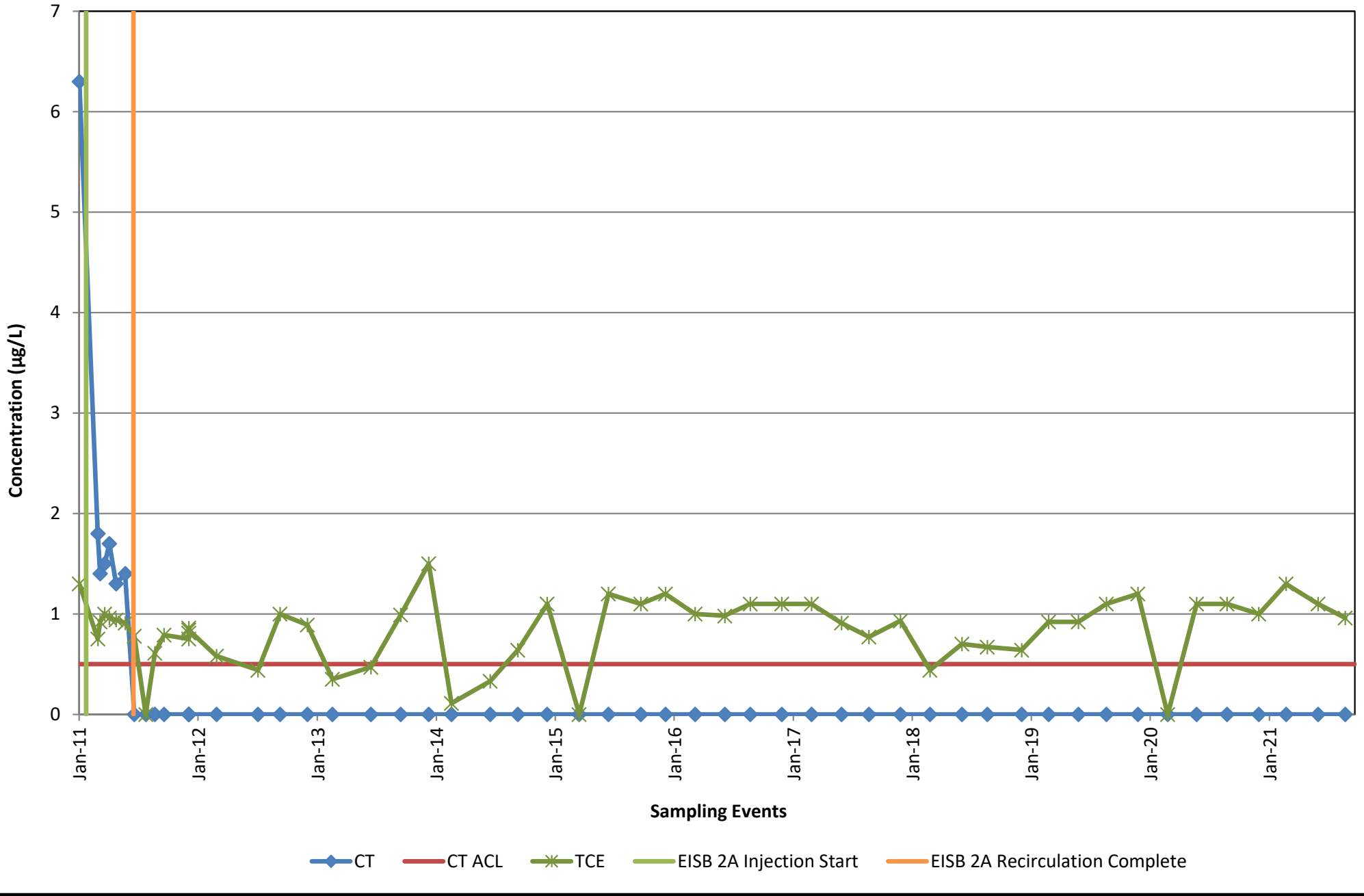
Ahtna

EW-BW-132-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B8



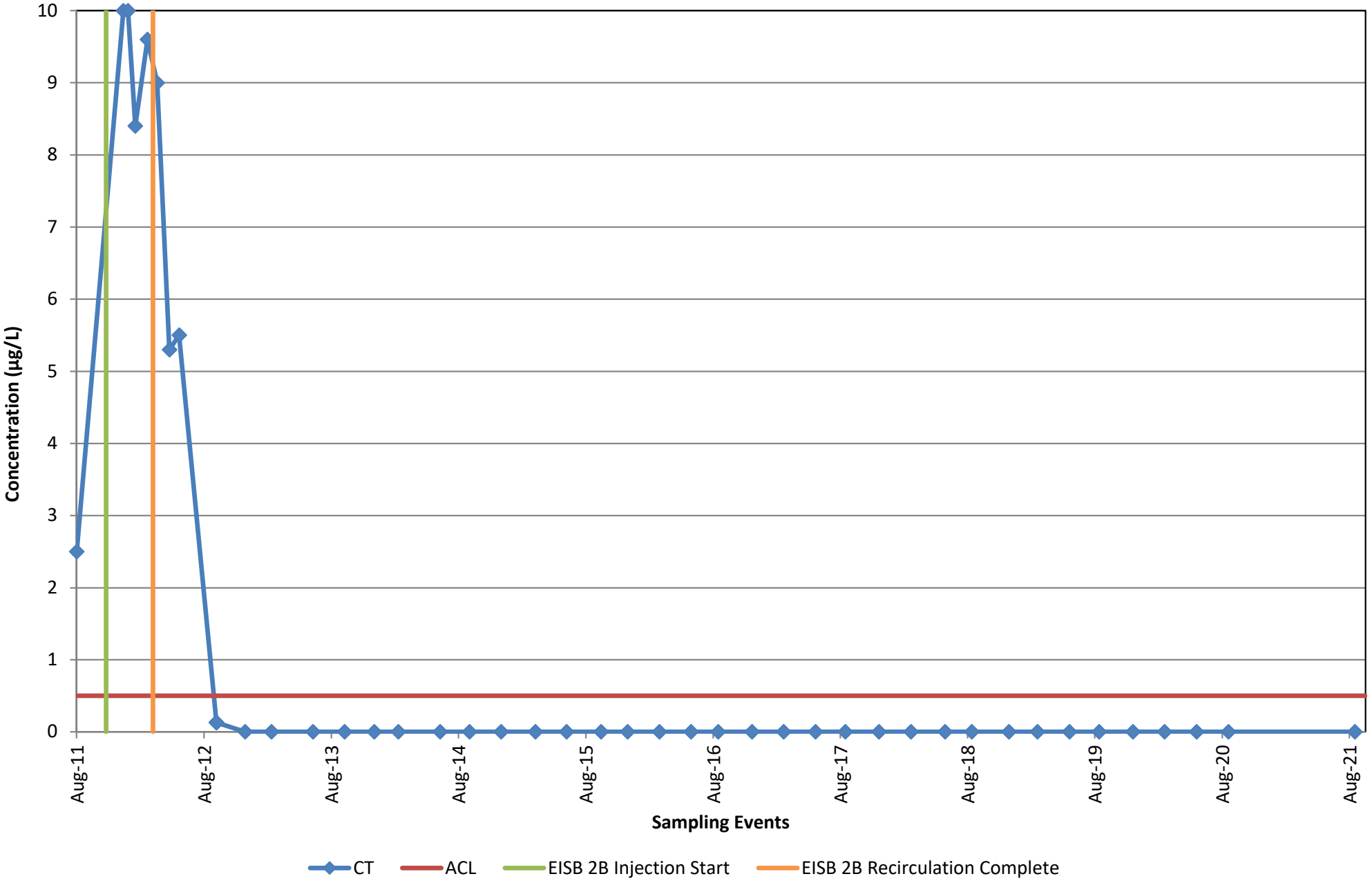
Ahtna

EW-BW-135-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B9



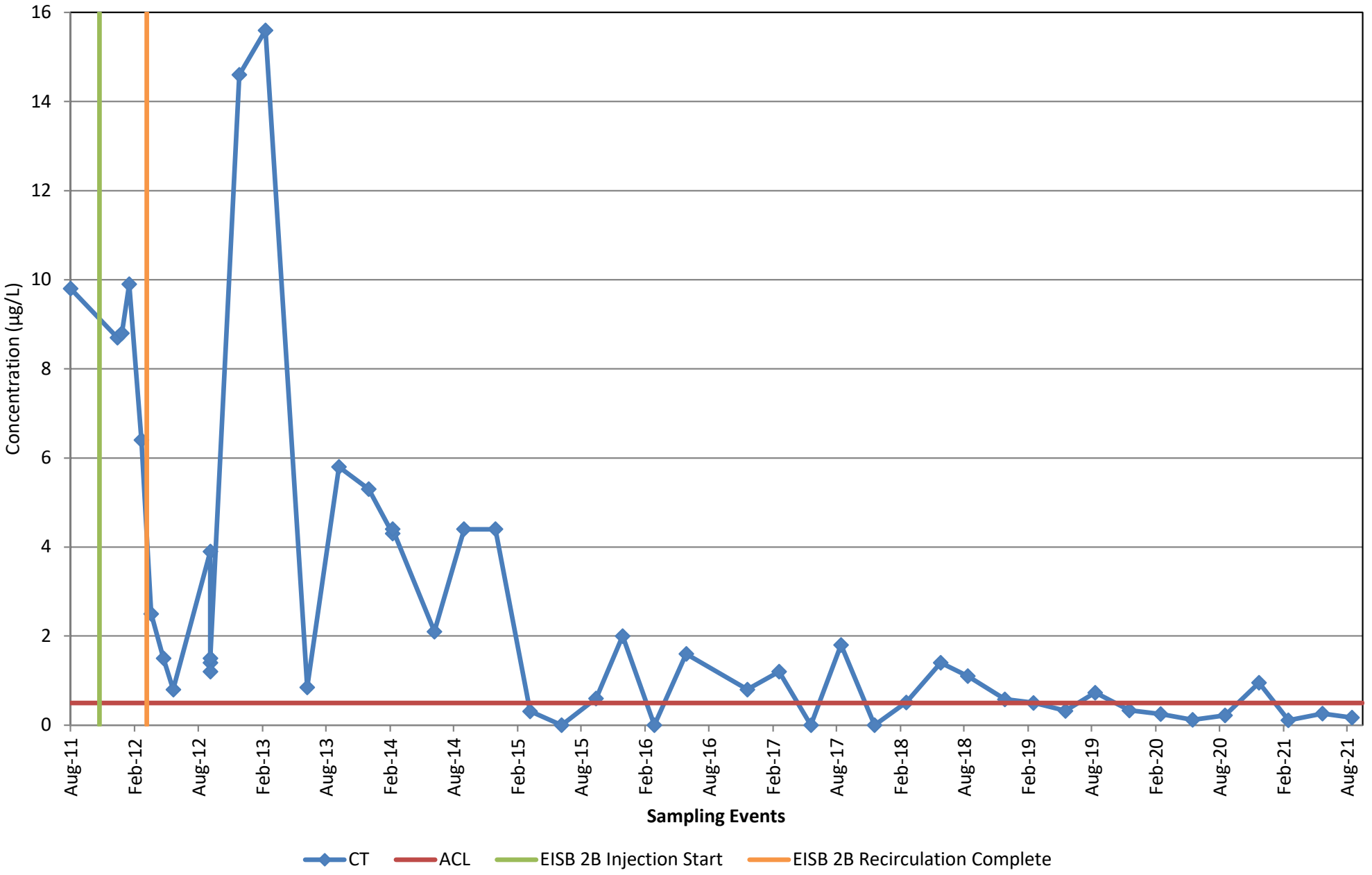
Ahtna

EW-BW-149-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B10



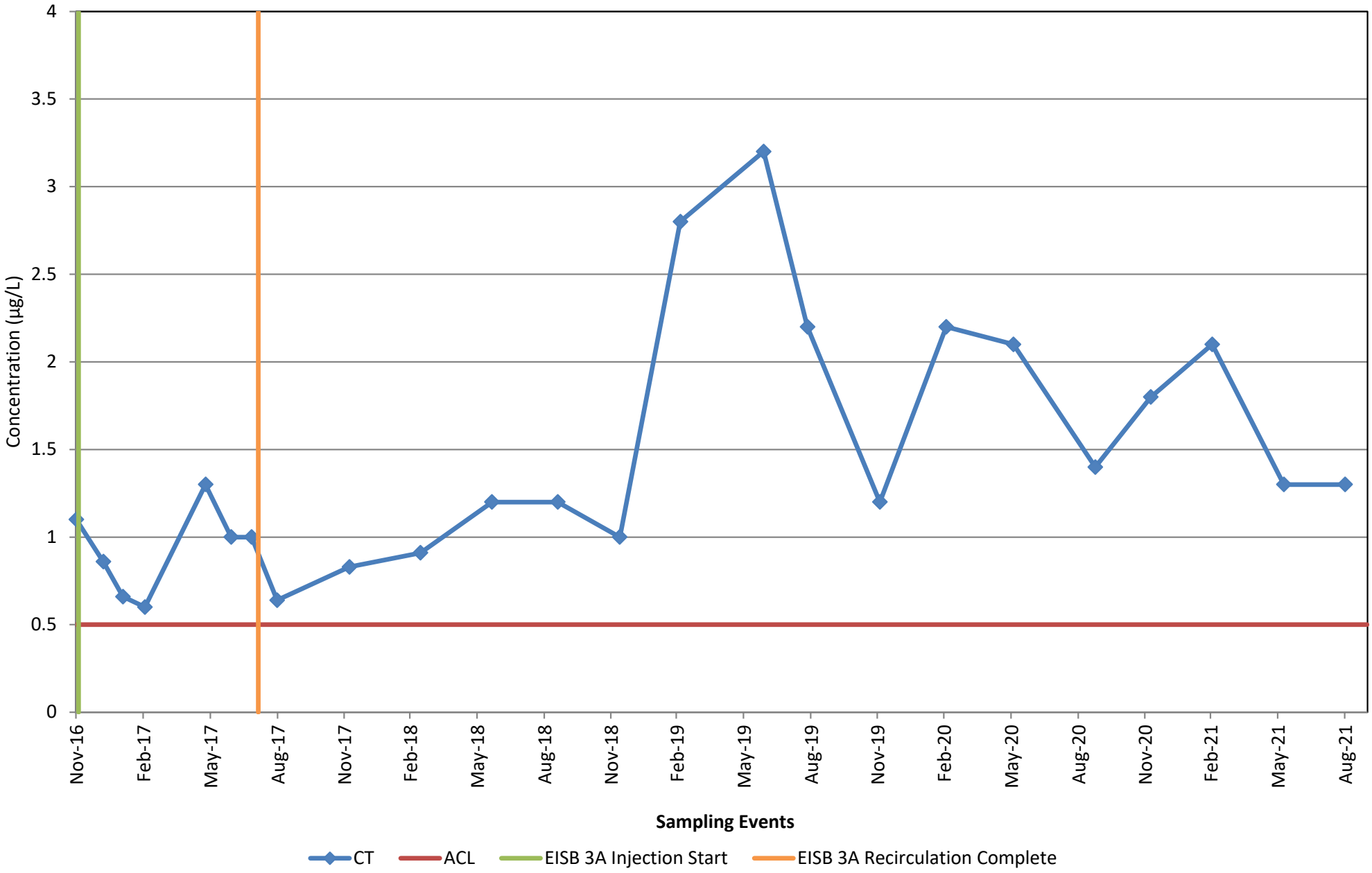
Ahtna

EW-BW-155-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B11



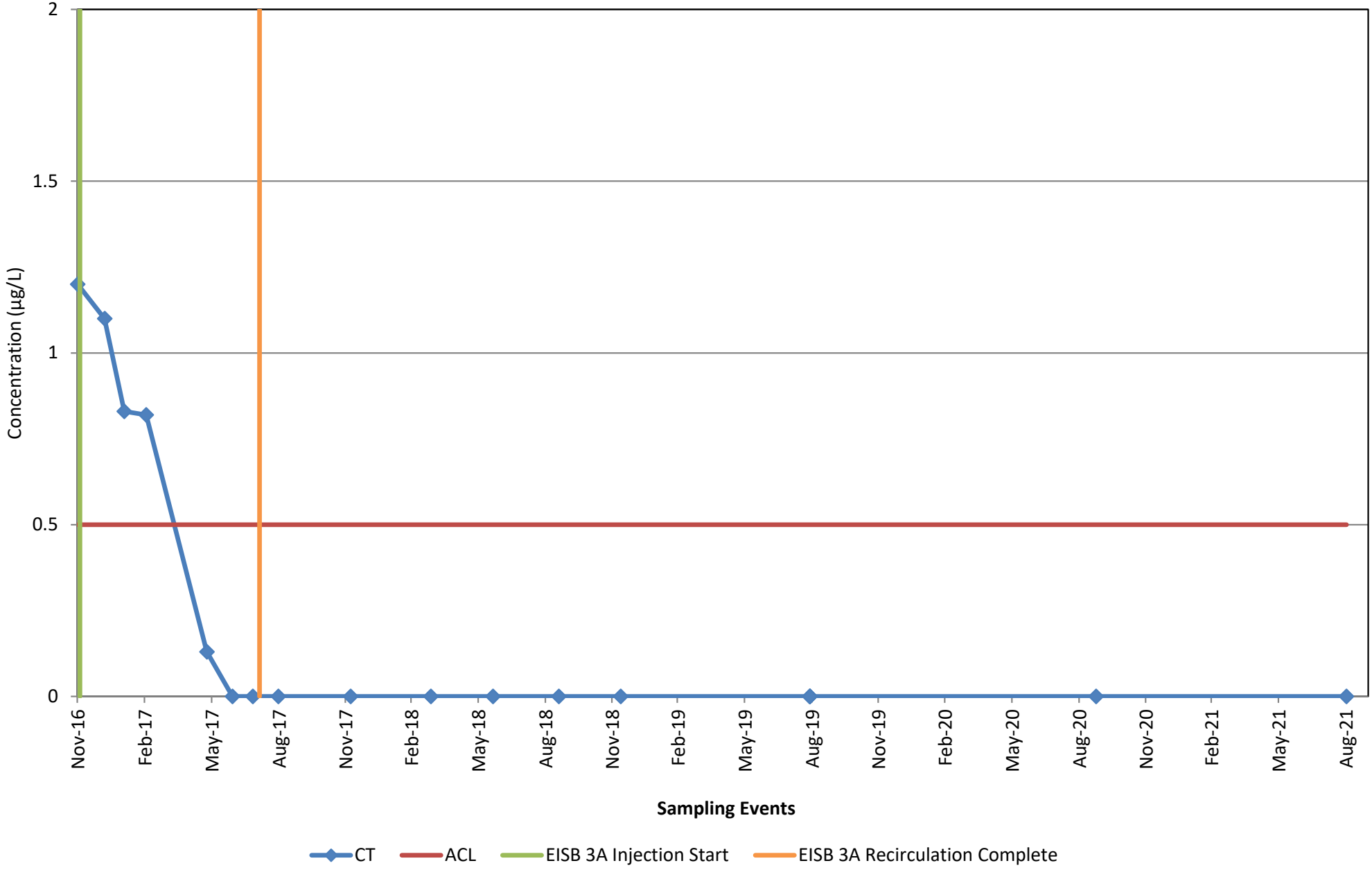
Ahtna

EW-BW-160-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B12



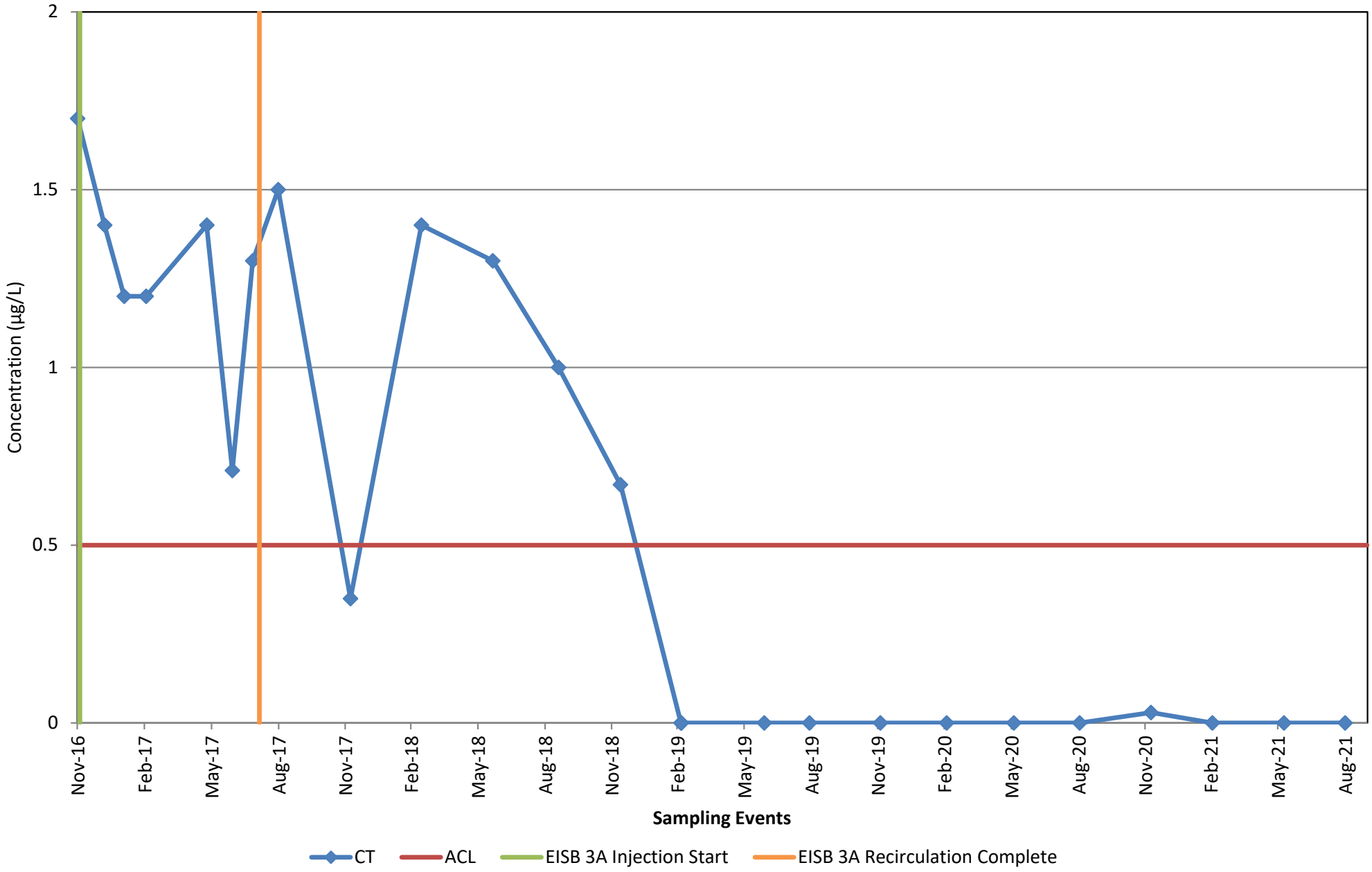
Ahtna

EW-BW-165-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B13



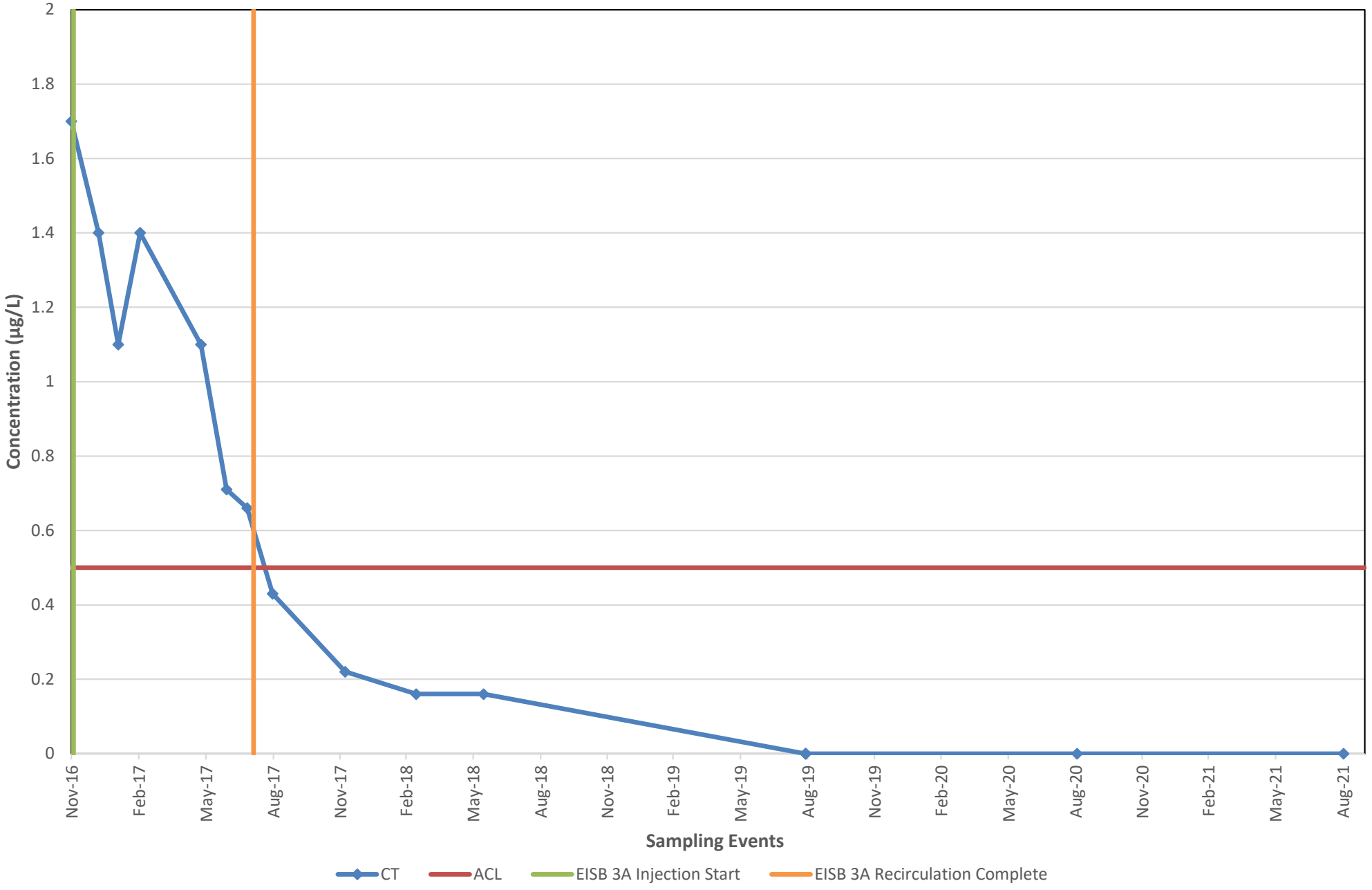
Ahtna

EW-BW-166-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B14



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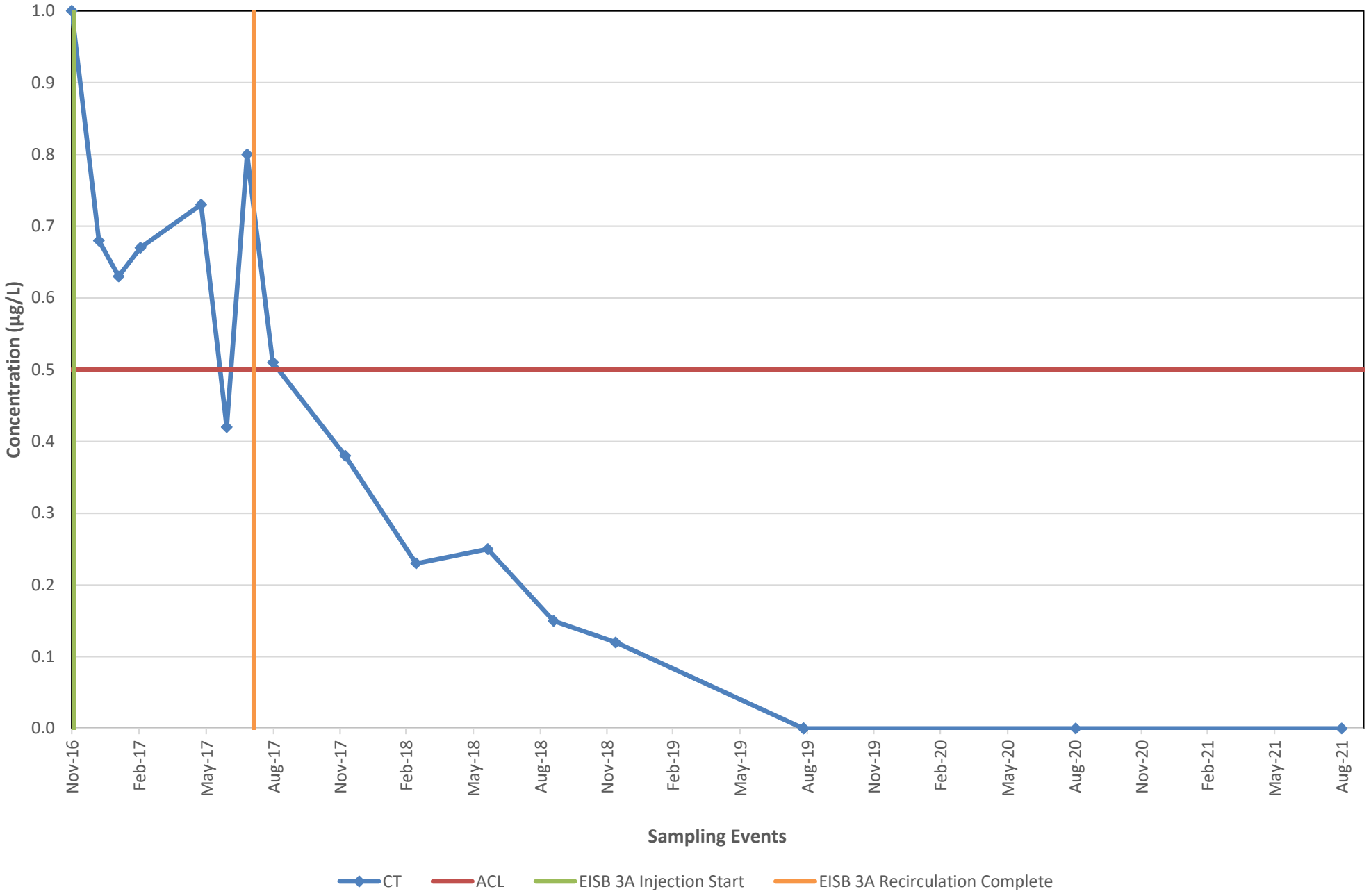
EW-BW-167-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B15



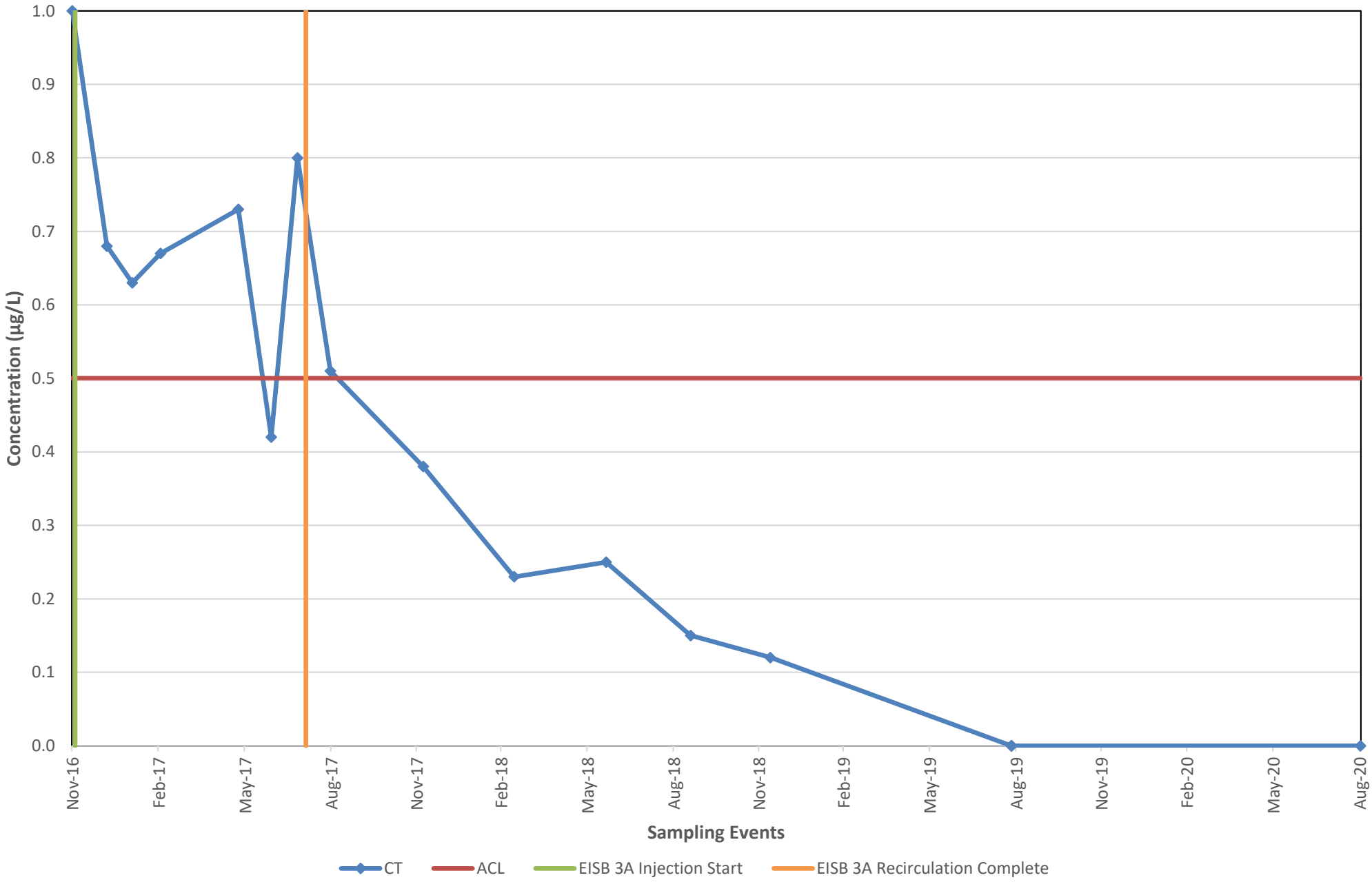
Ahtna

EW-BW-168-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B16



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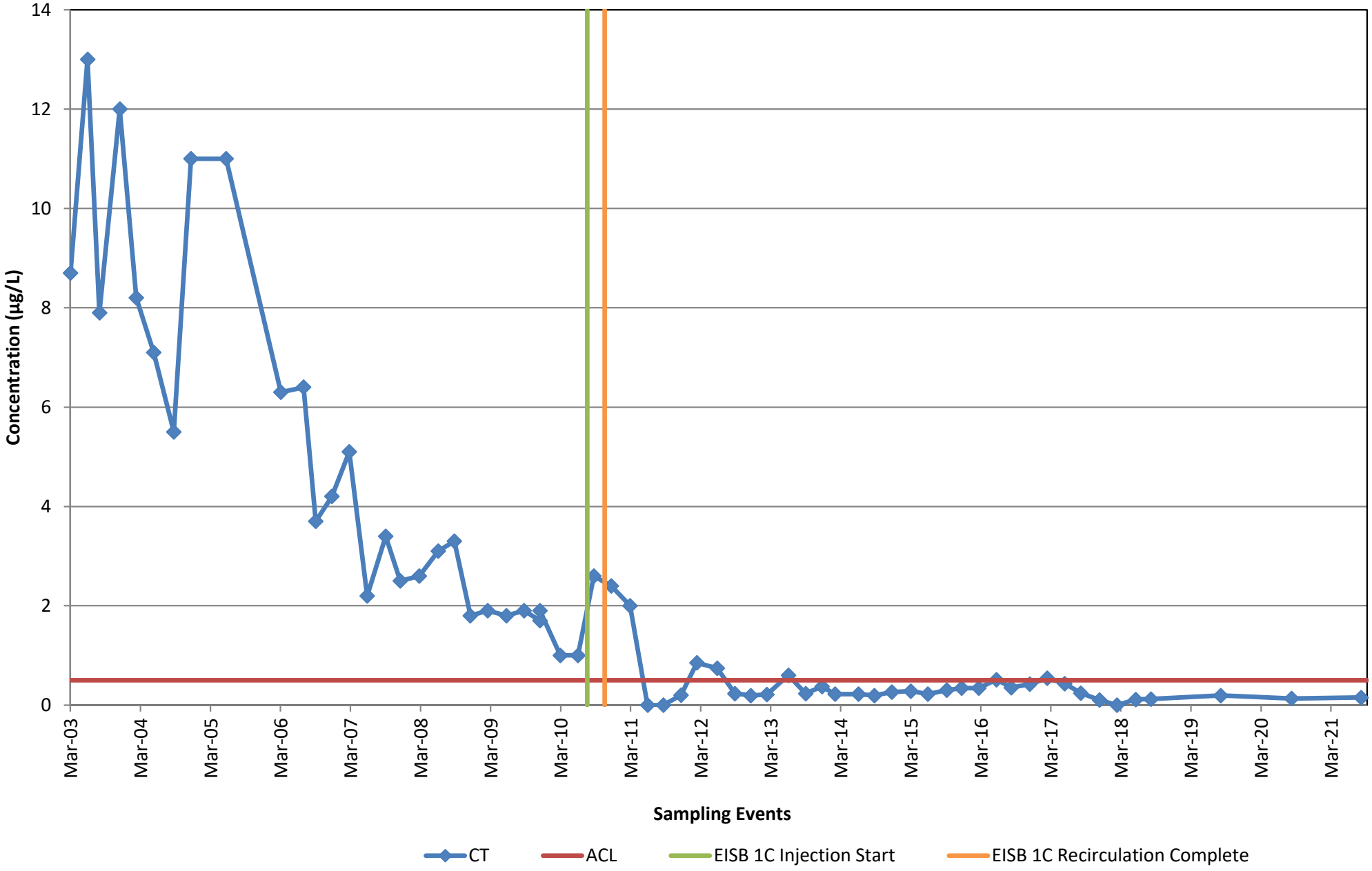
EW-BW-169-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B17



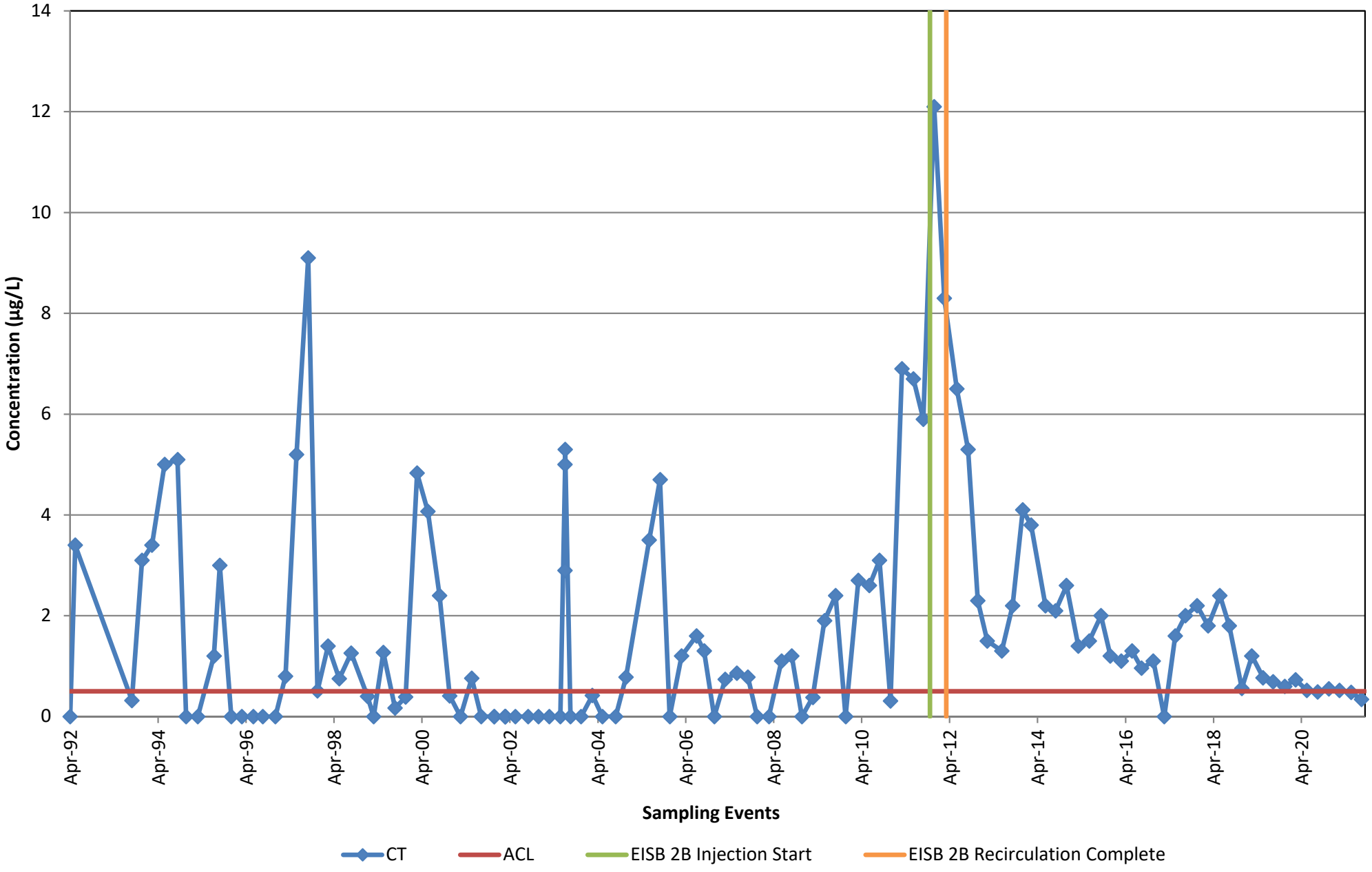
Ahtna

MP-BW-46-095
(Hydraulic Zone 1) [EISB Deployment Area 1C]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B18



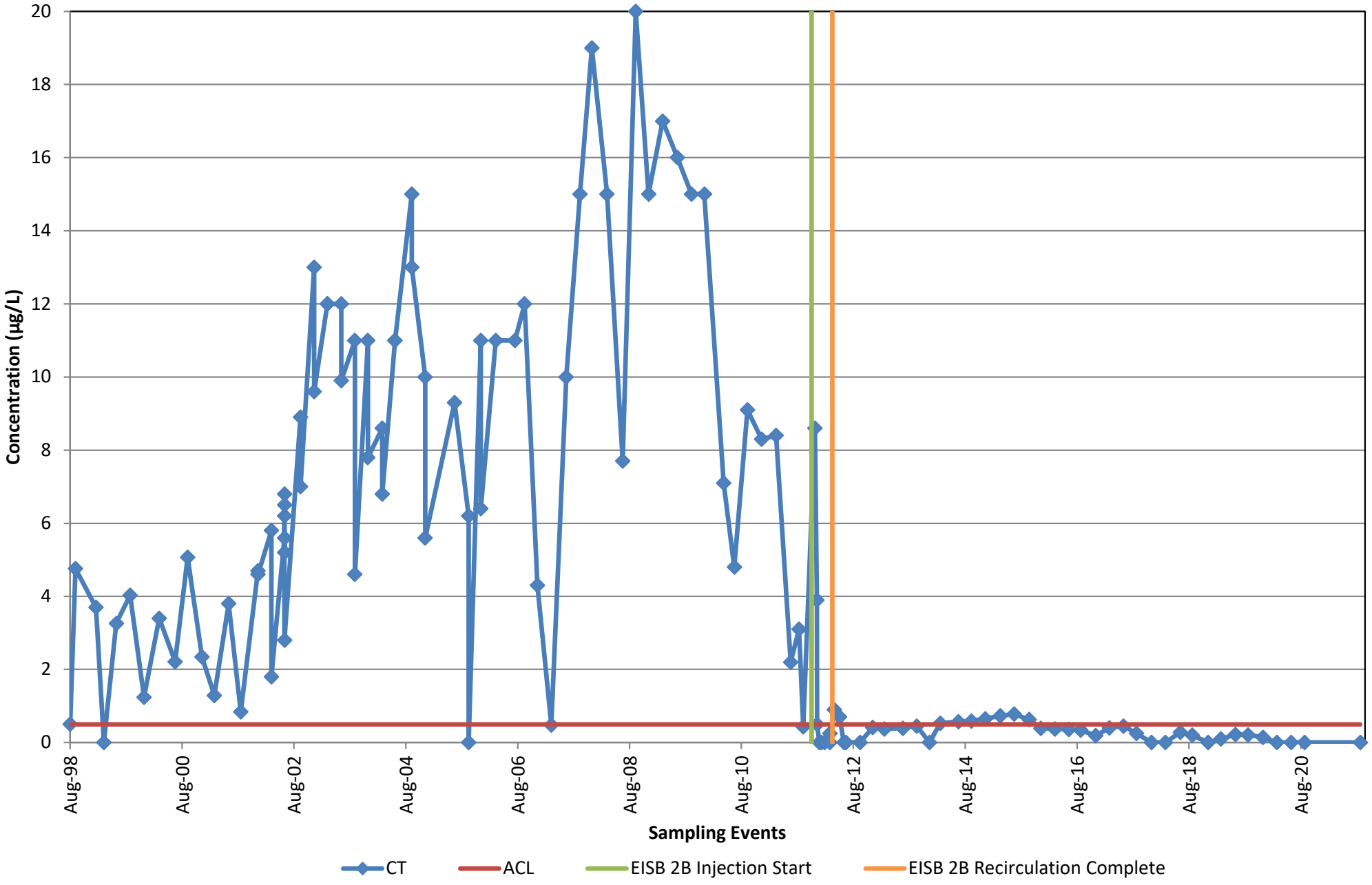
Ahtna

MW-B-14-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B19



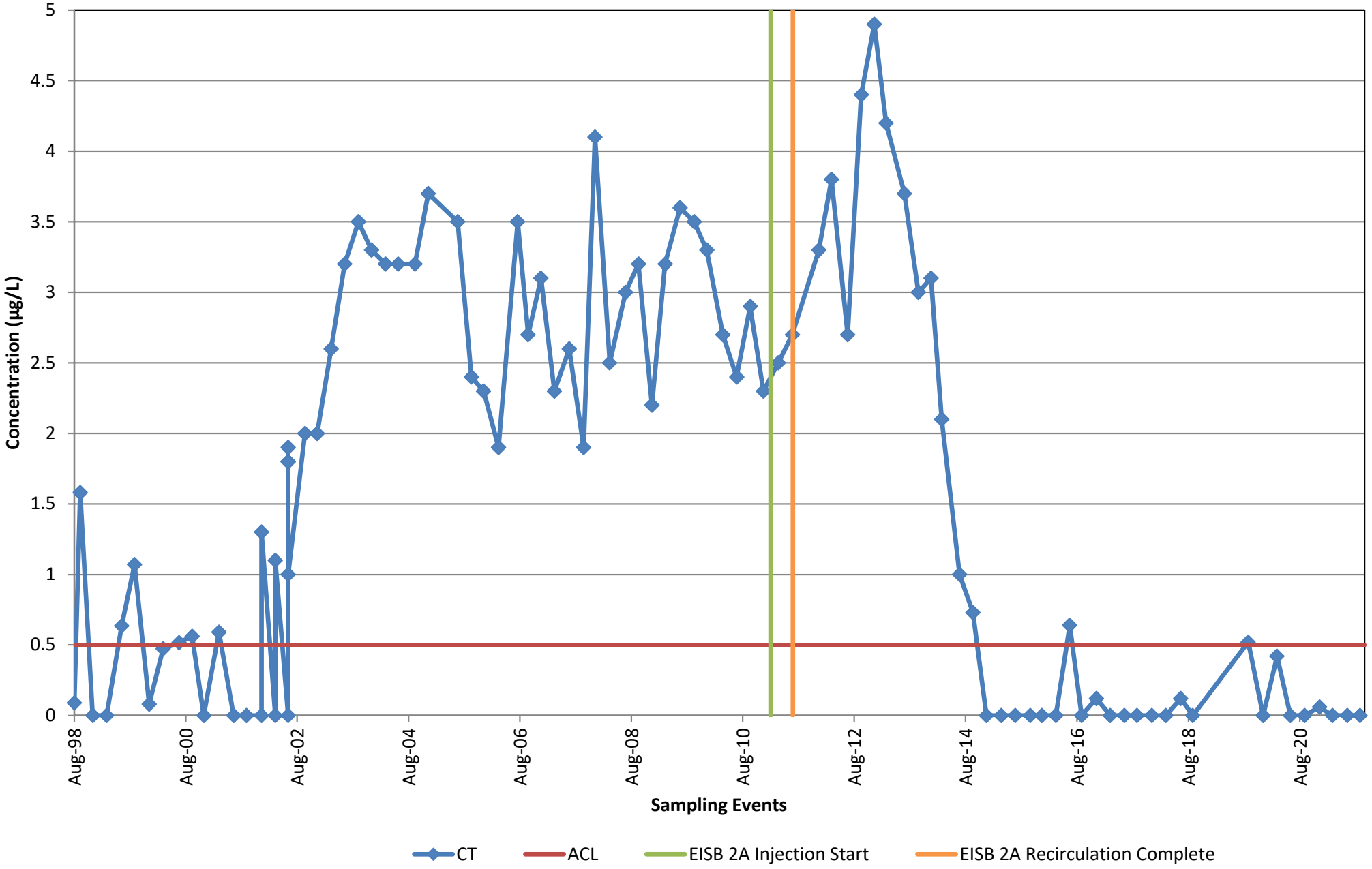
Ahtna

MW-BW-15-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B20



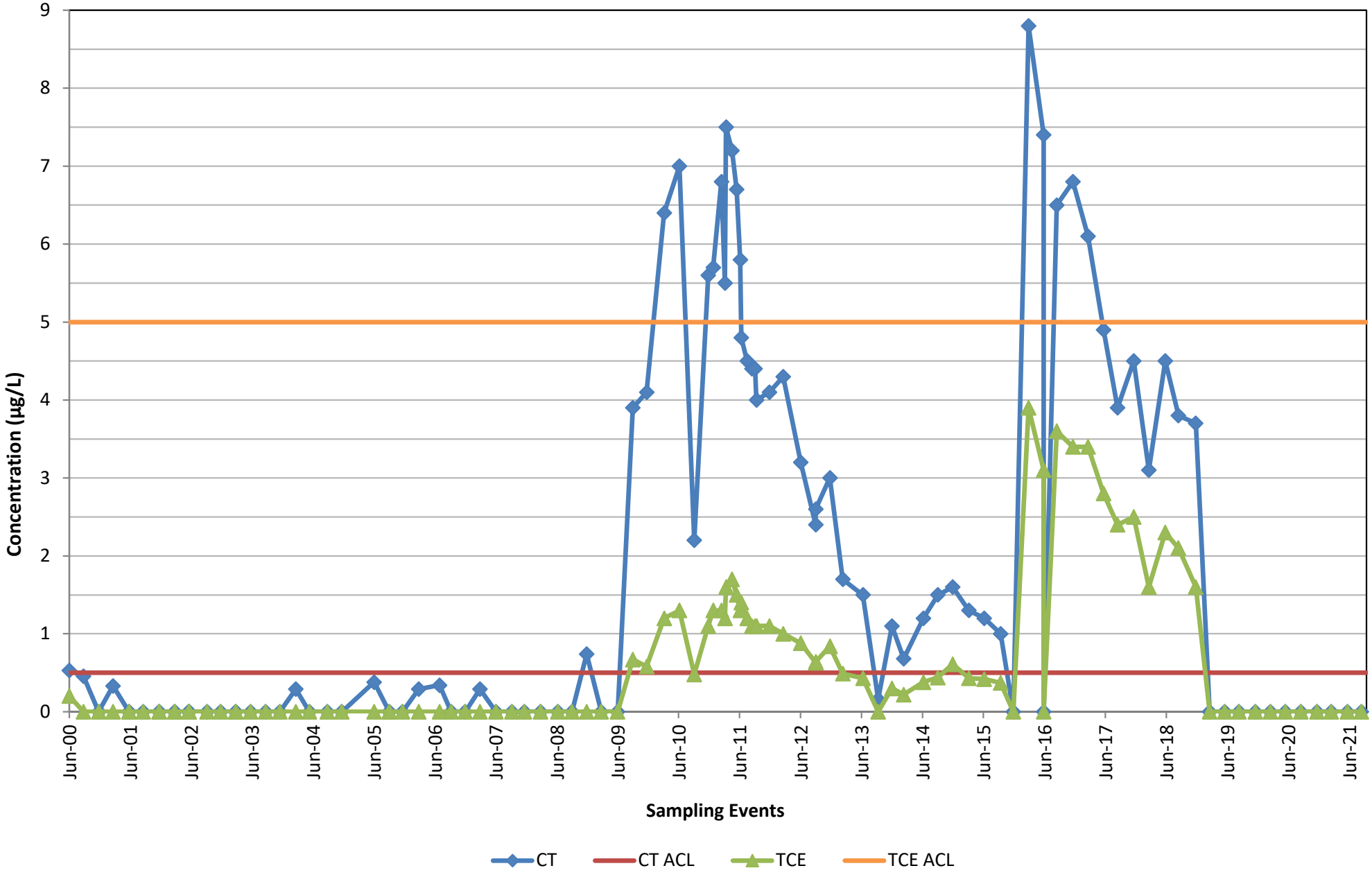
Ahtna

MW-BW-17-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B21

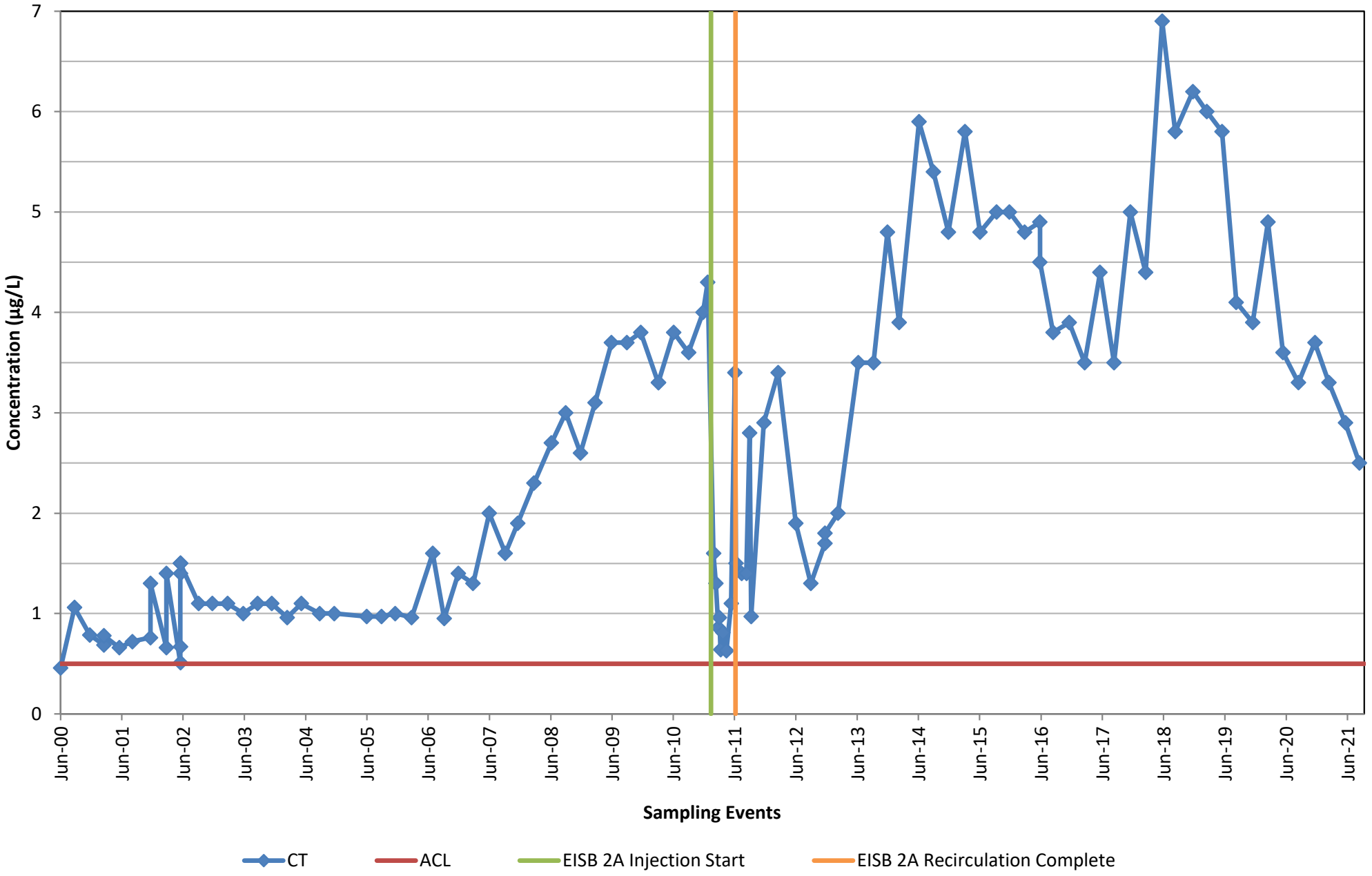


Ahtna

MW-BW-24-A
(Hydraulic Zone 1) [Southeast of EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B22



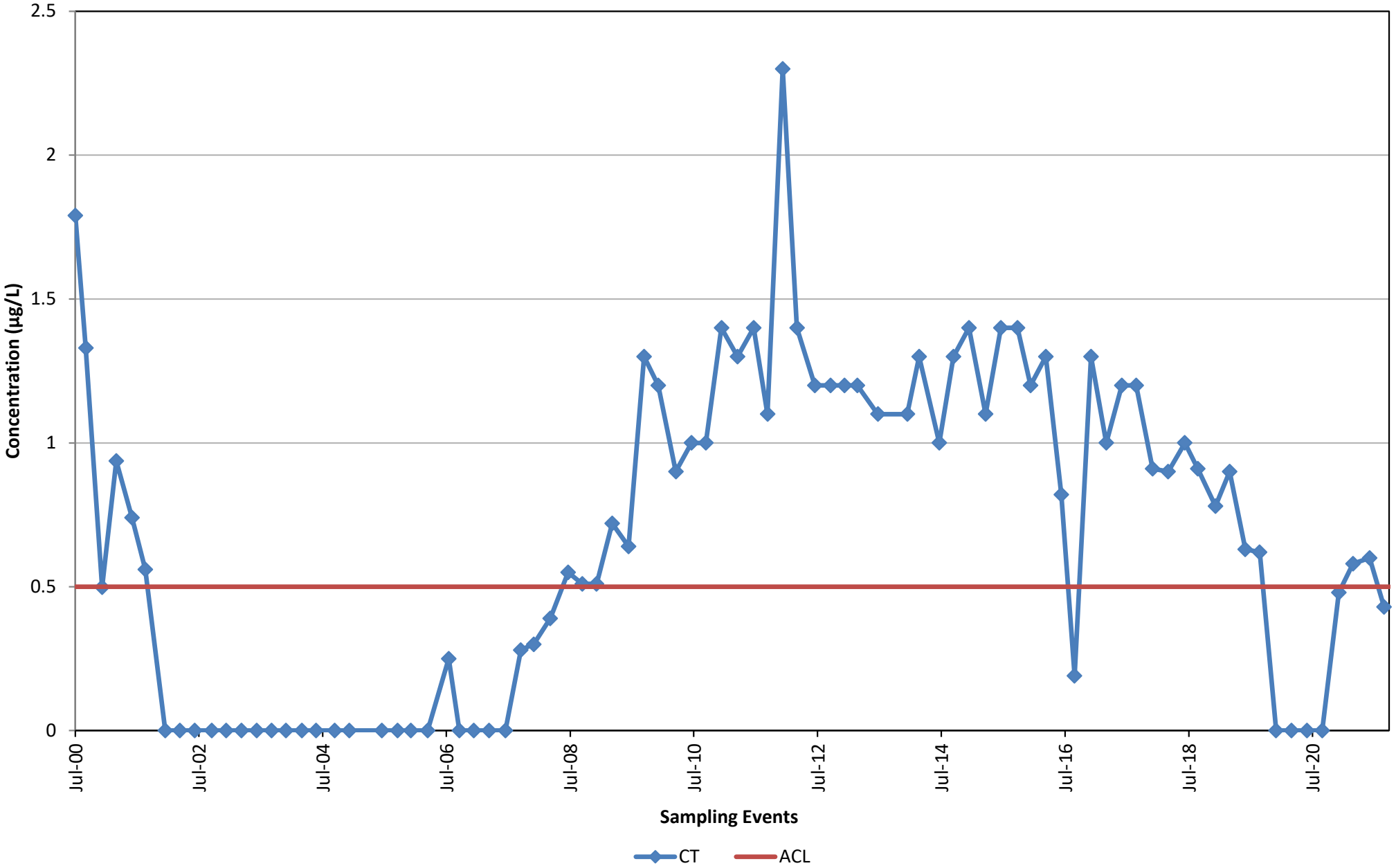
Ahtna

MW-BW-26-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B23



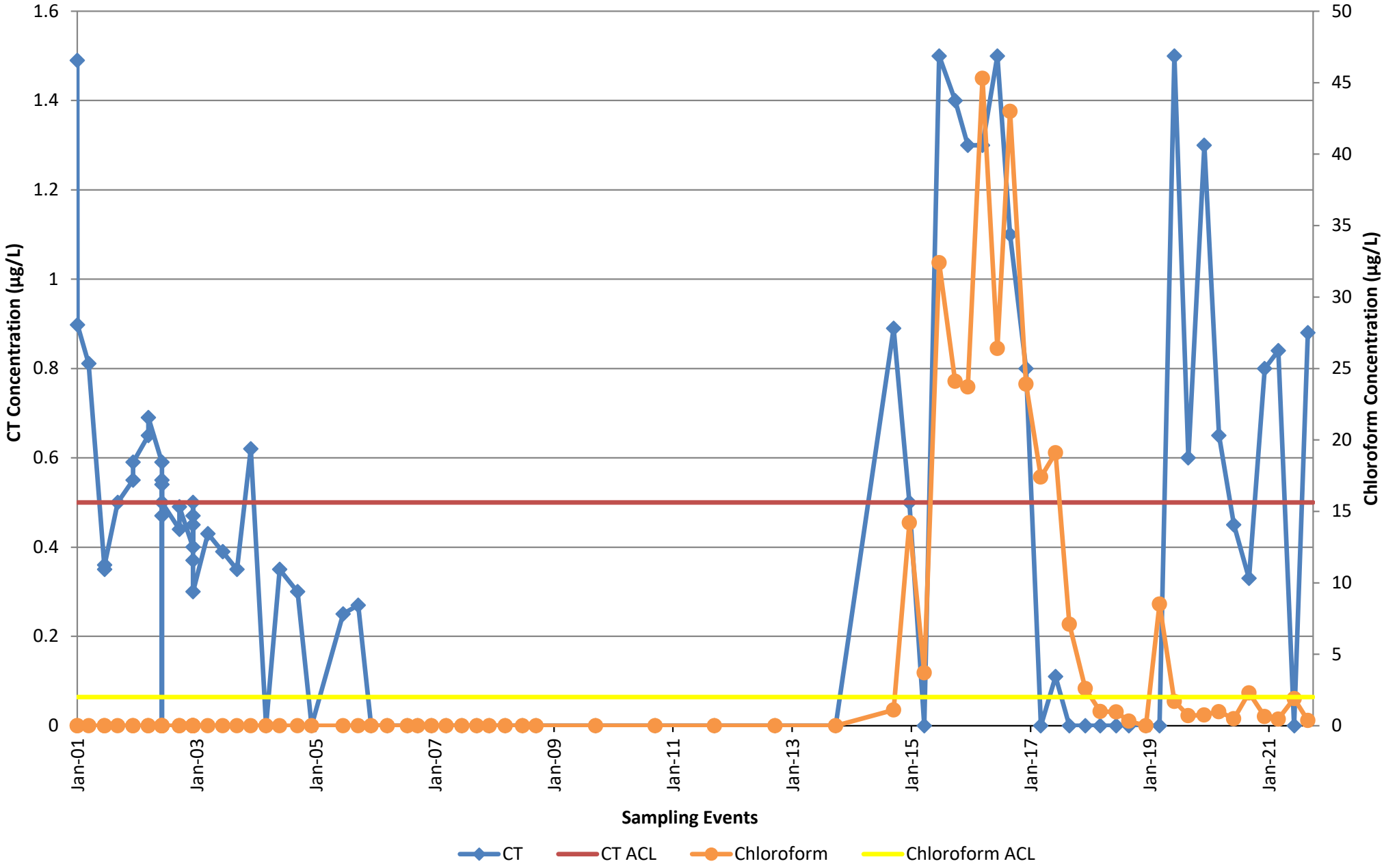
Ahtna

MW-BW-28-A
(Hydraulic Zone 4) [north of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B24

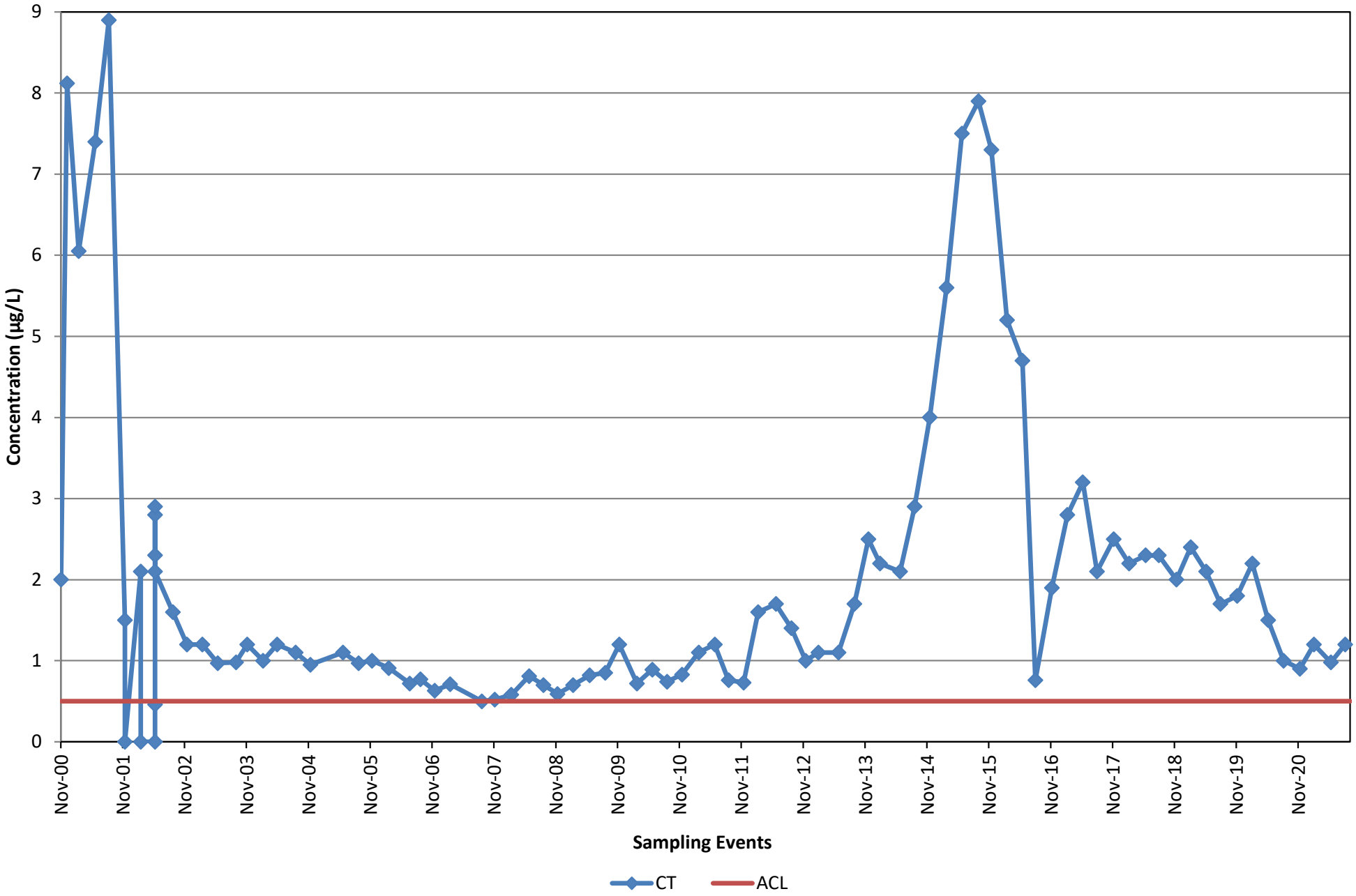


Ahtna

MW-BW-31-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B25



Ahtna

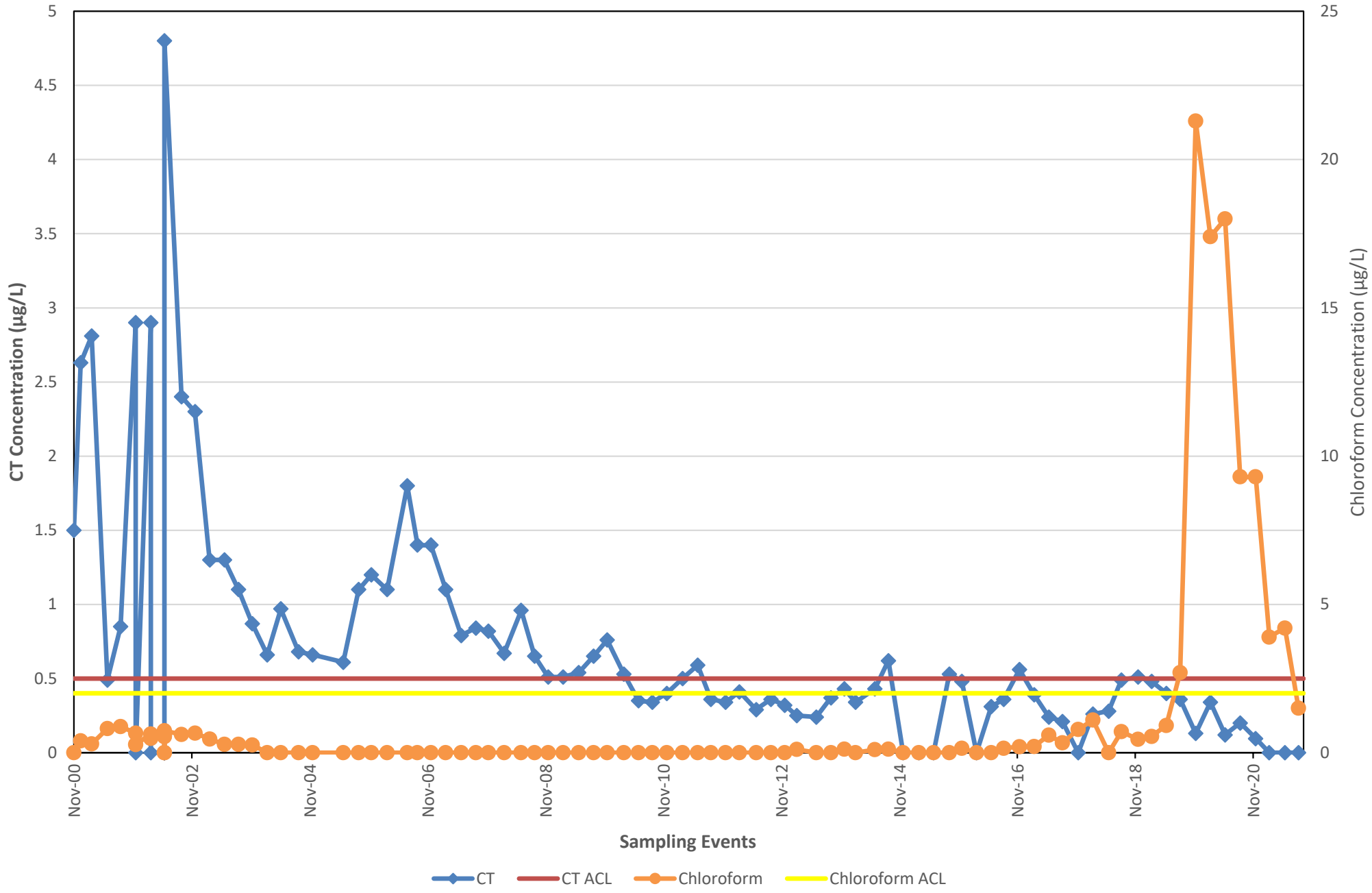
MW-BW-32-A

(Hydraulic Zone 4) [southeast of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B26



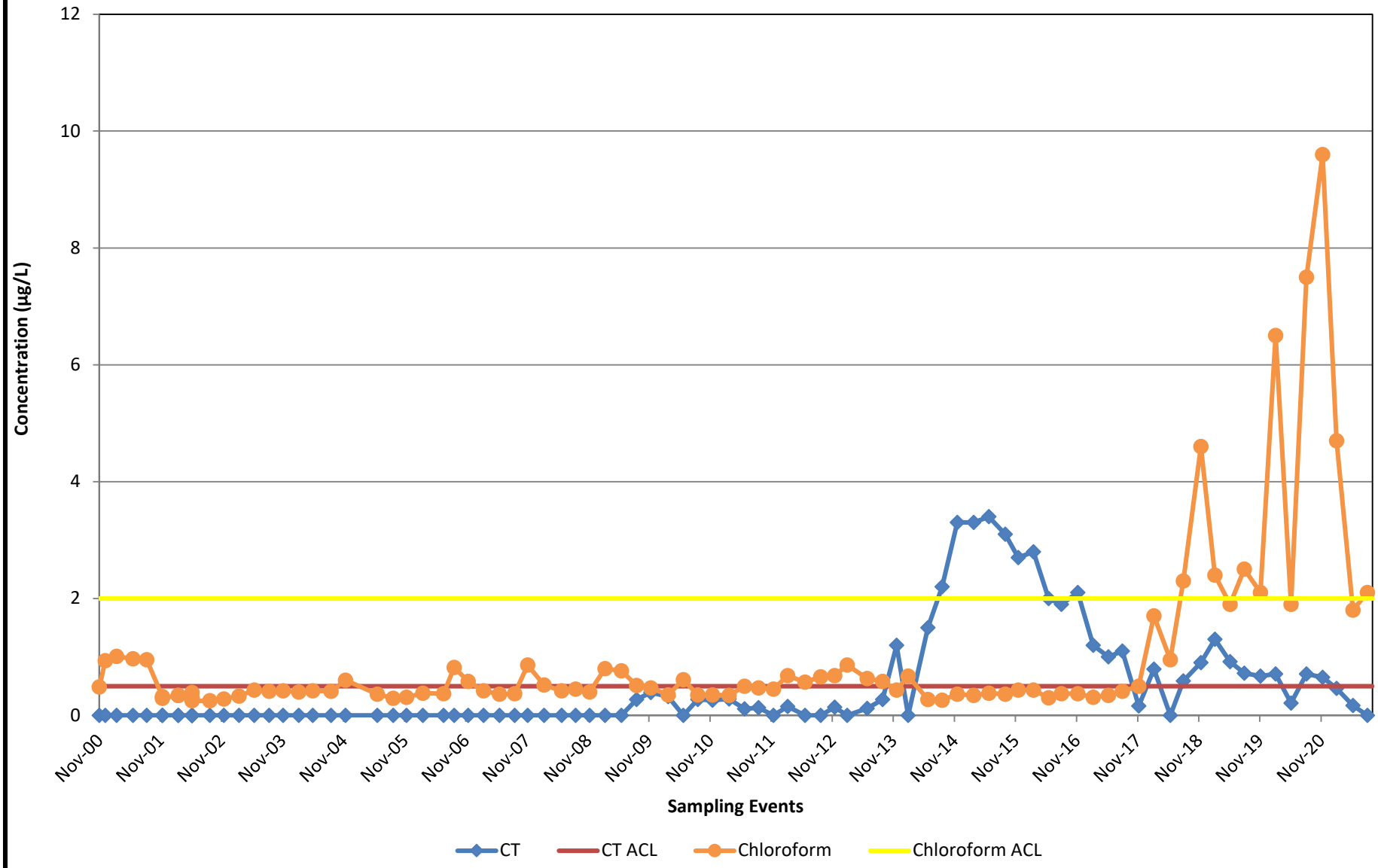
Ahtna

MW-BW-35-A
(Hydraulic Zone 4) [southeast of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B27



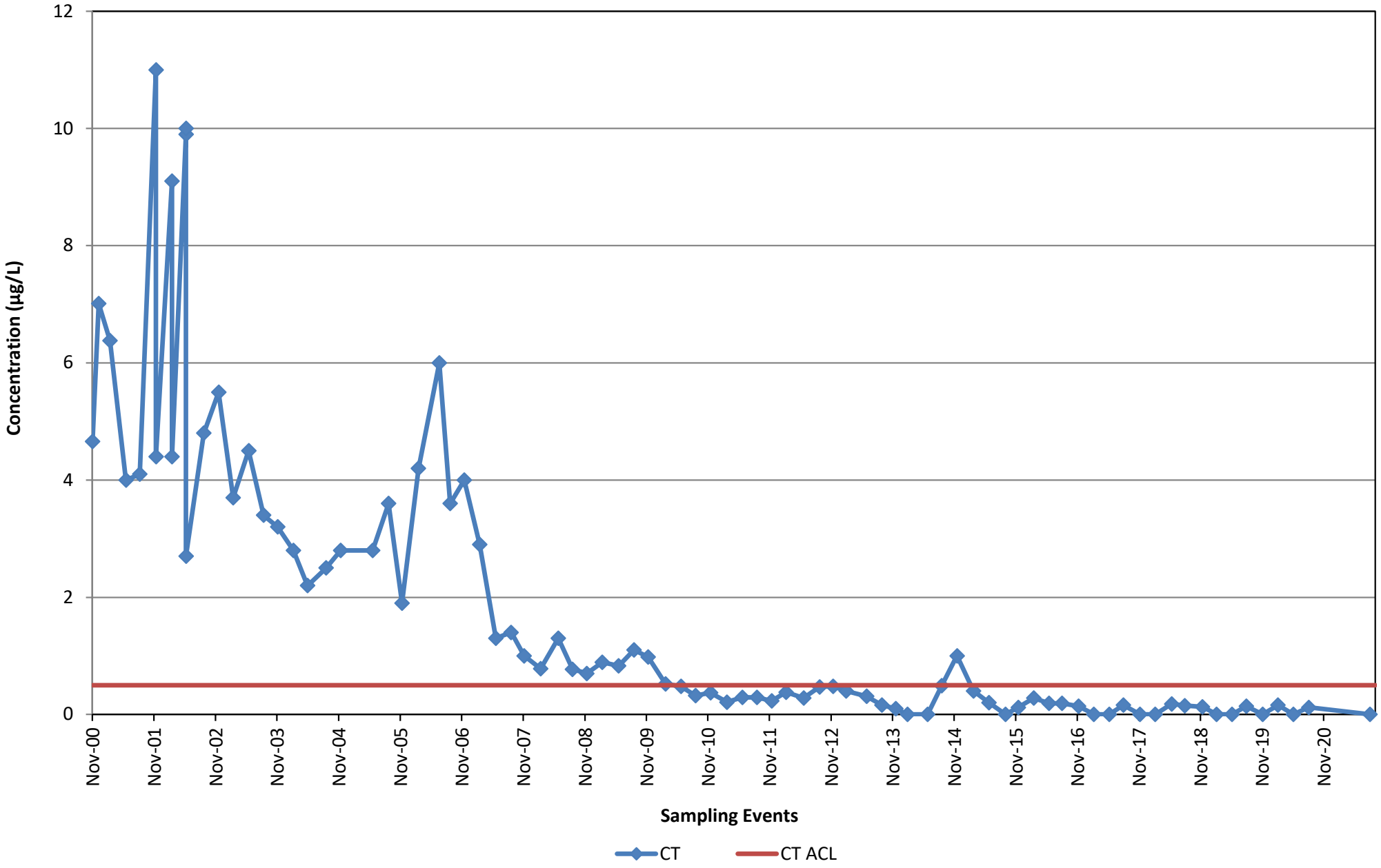
Ahtna

MW-BW-36-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B28



Ahtna

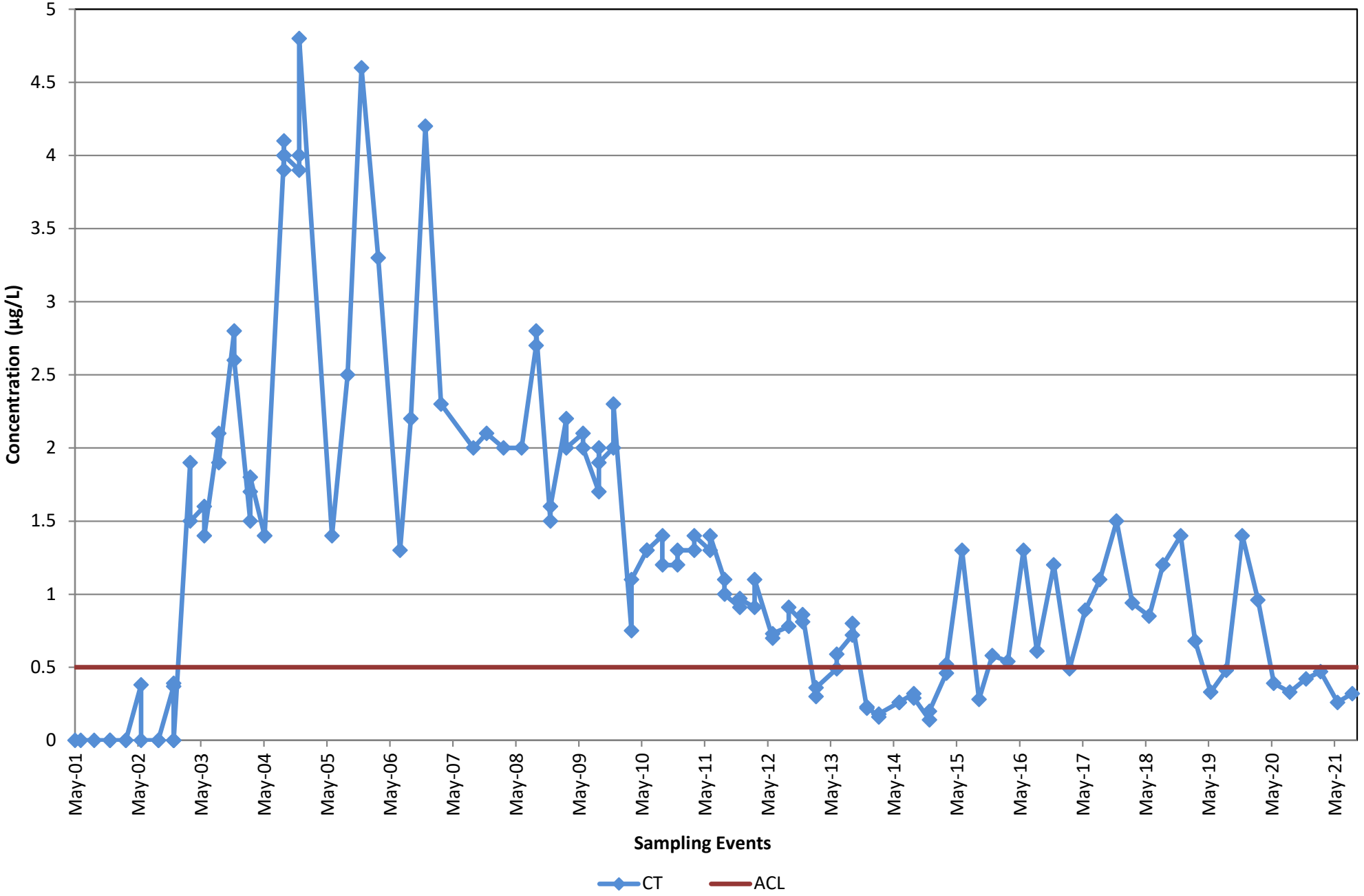
MW-BW-42-A

(Hydraulic Zone 4) [southeast of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2019 through Third Quarter 2020
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B29



Ahtna

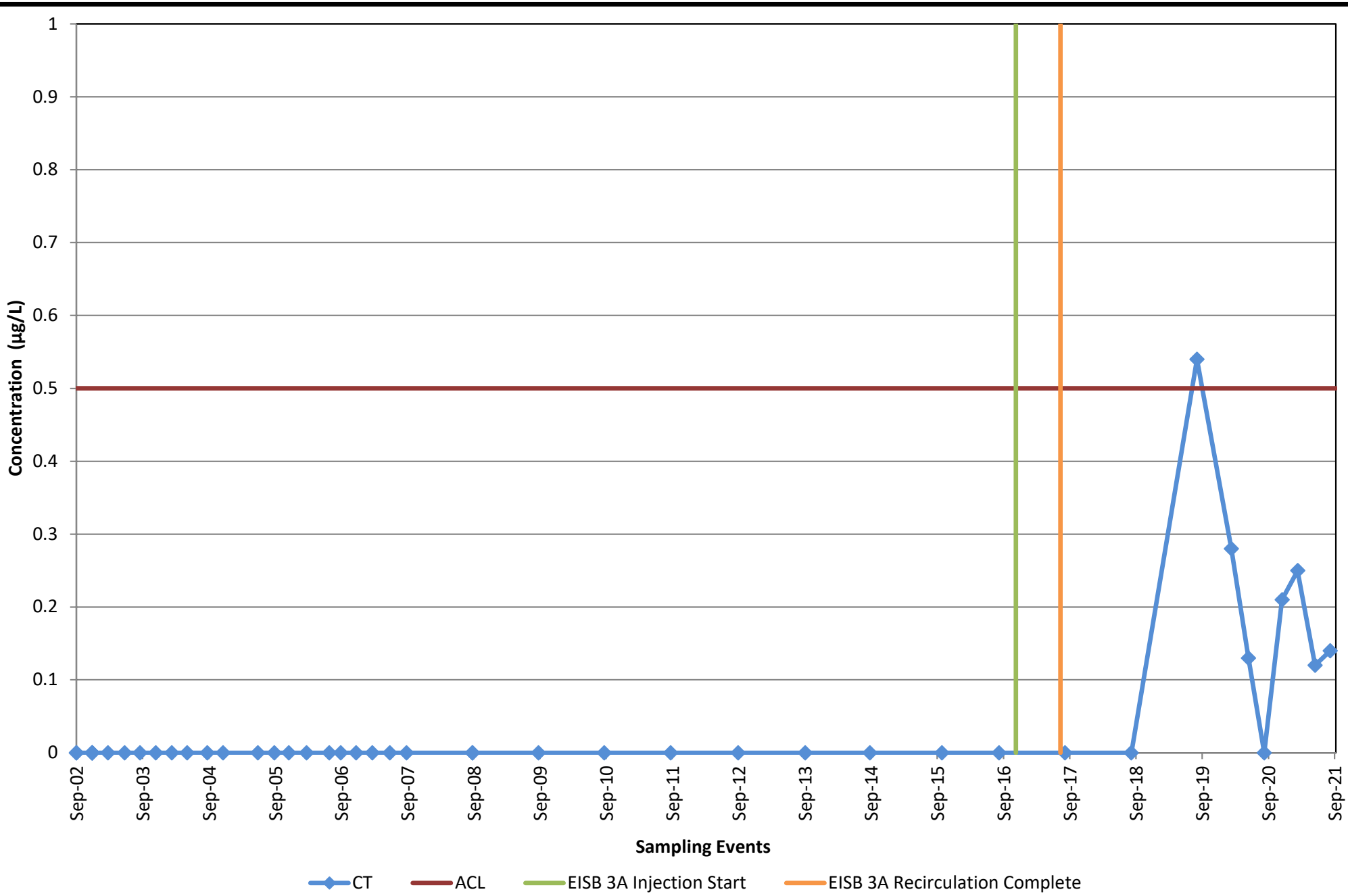
MW-BW-49-A

(Hydraulic Zone 5) [west of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B30



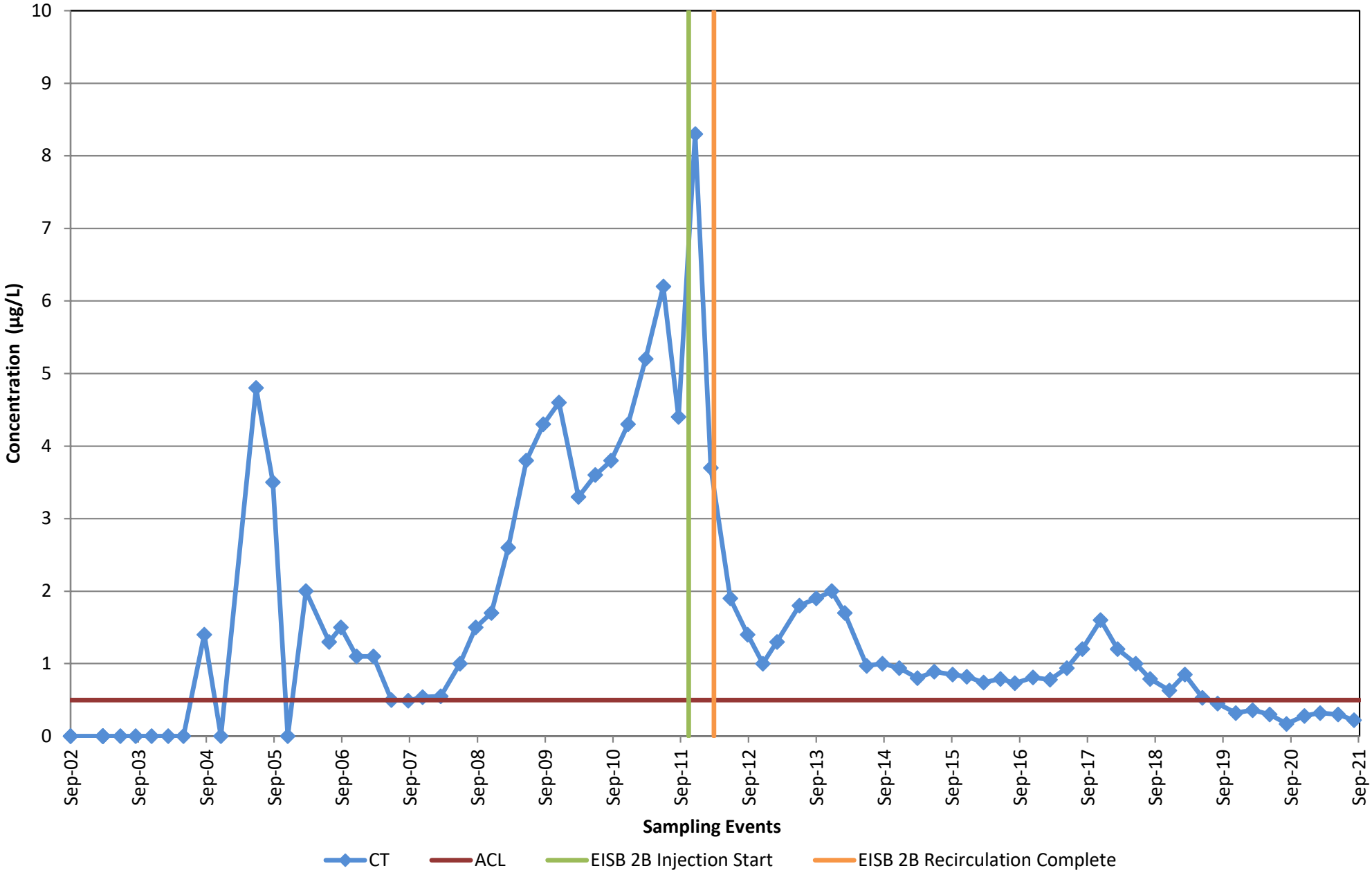
Ahtna

MW-BW-56-A
(Hydraulic Zone 3) [EISB Deployment Area]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B31



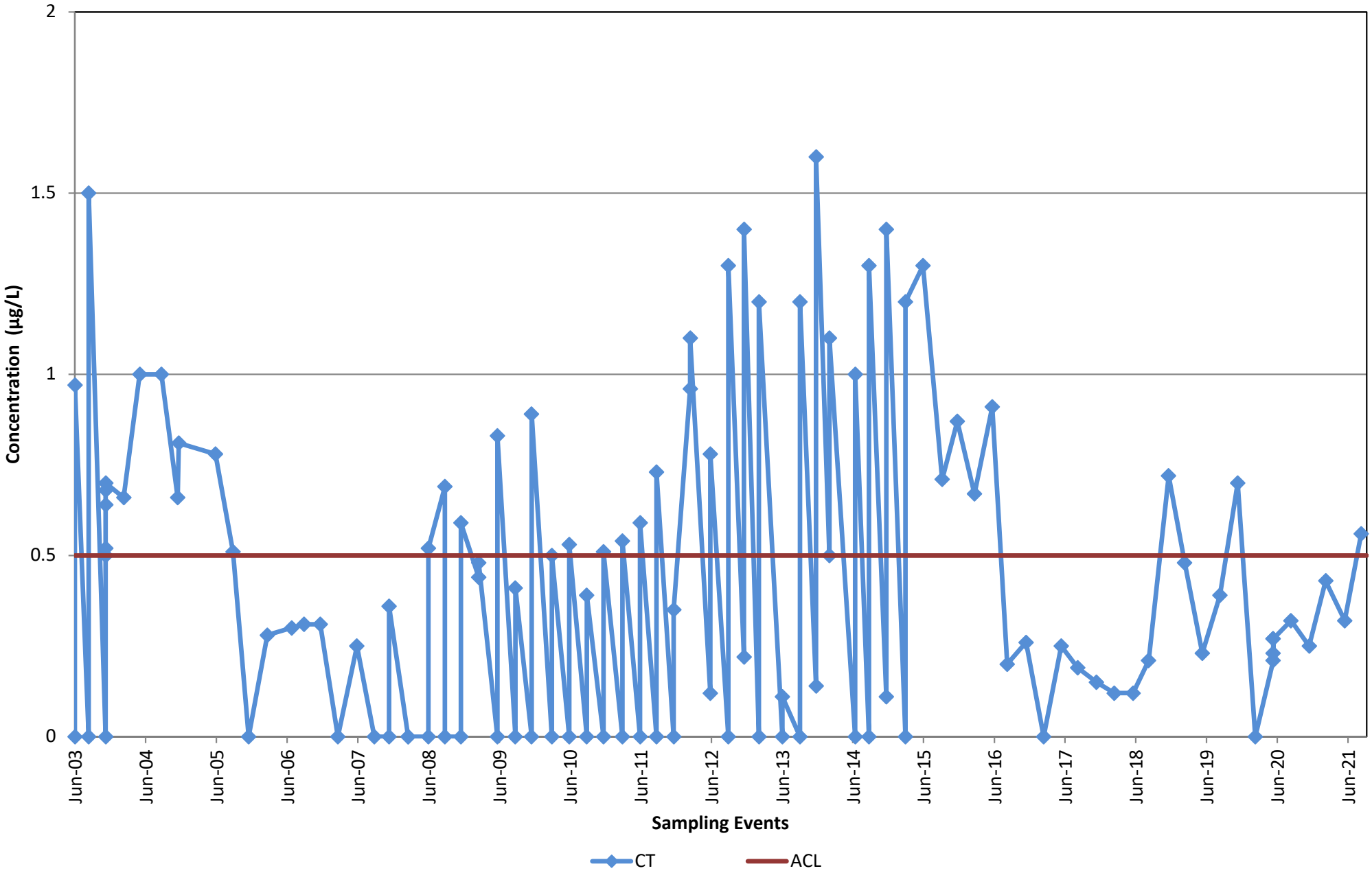
Ahtna

MW-BW-60-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B32

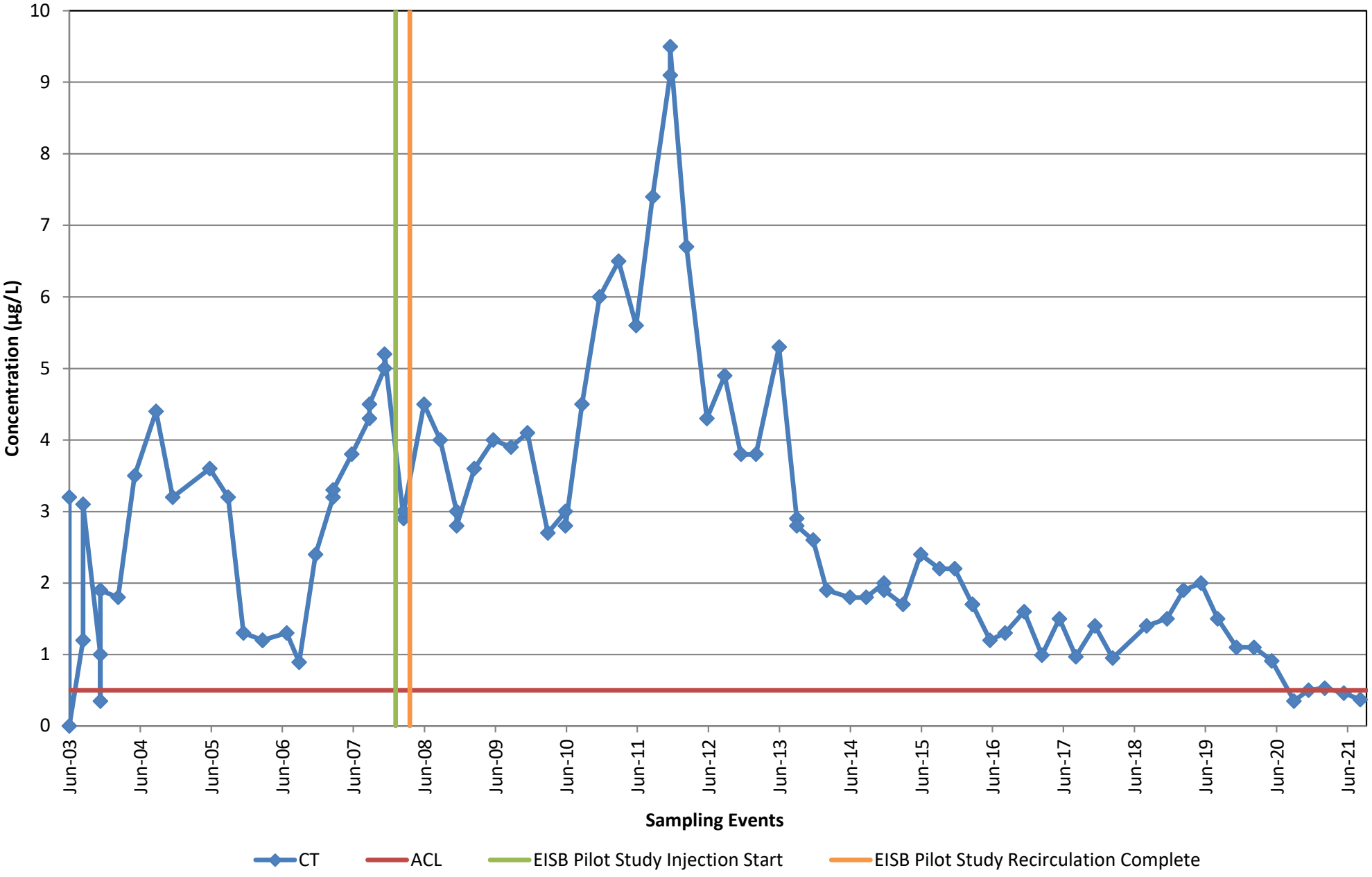


Ahtna

MW-BW-65-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B33



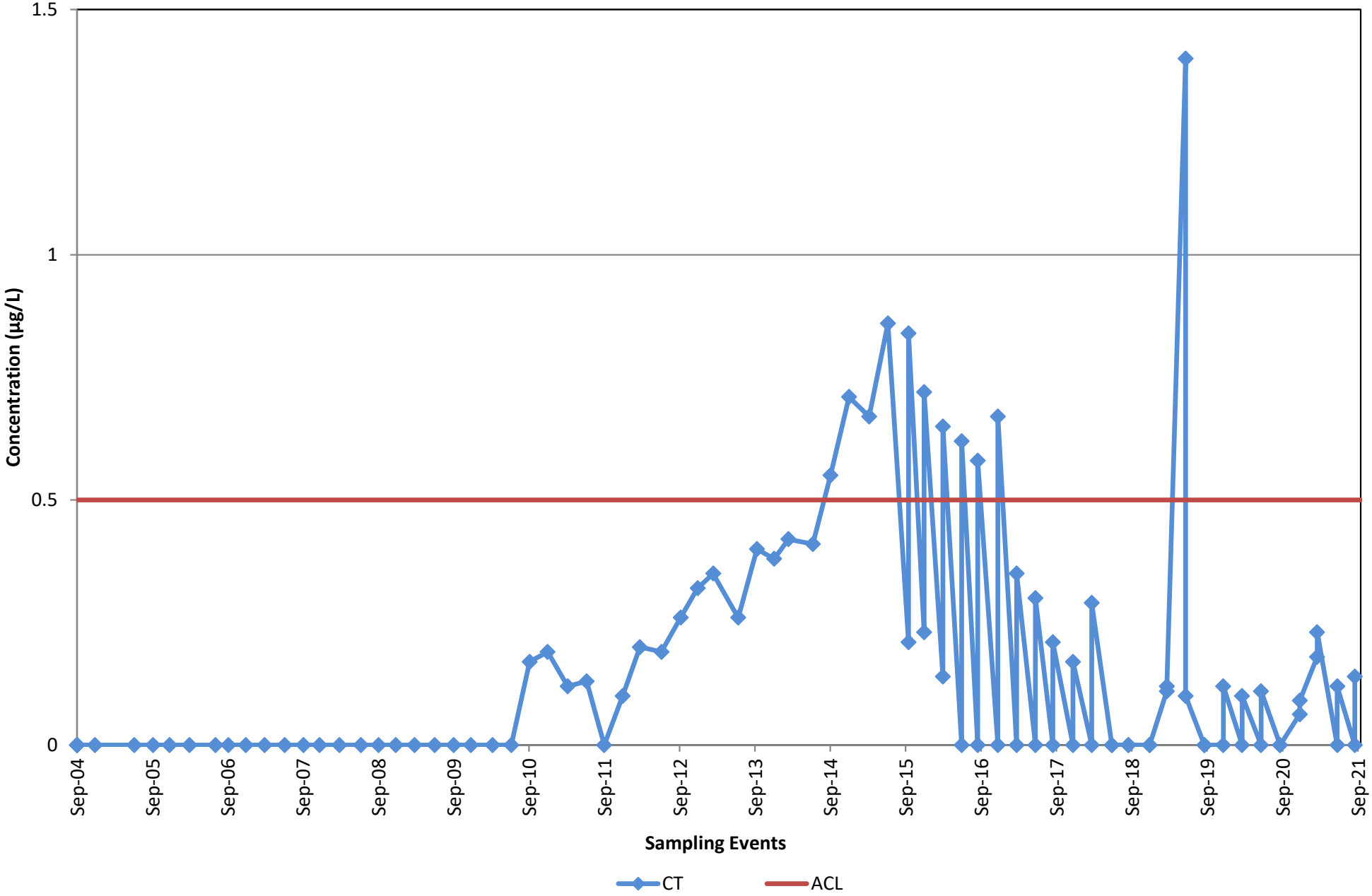
Ahtna

MW-BW-66-A
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B34

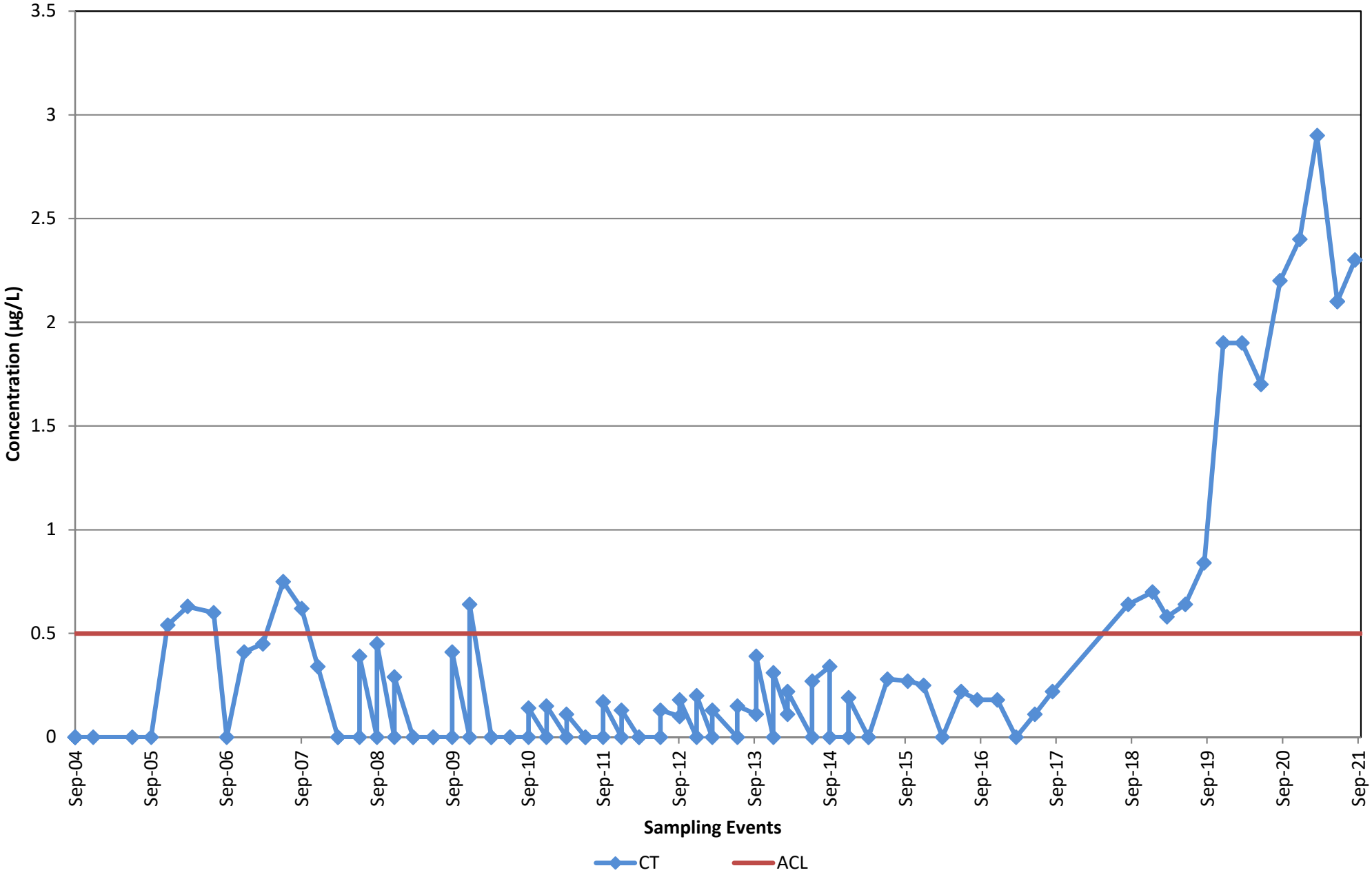


Ahtna

MW-BW-74-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B35



Ahtna

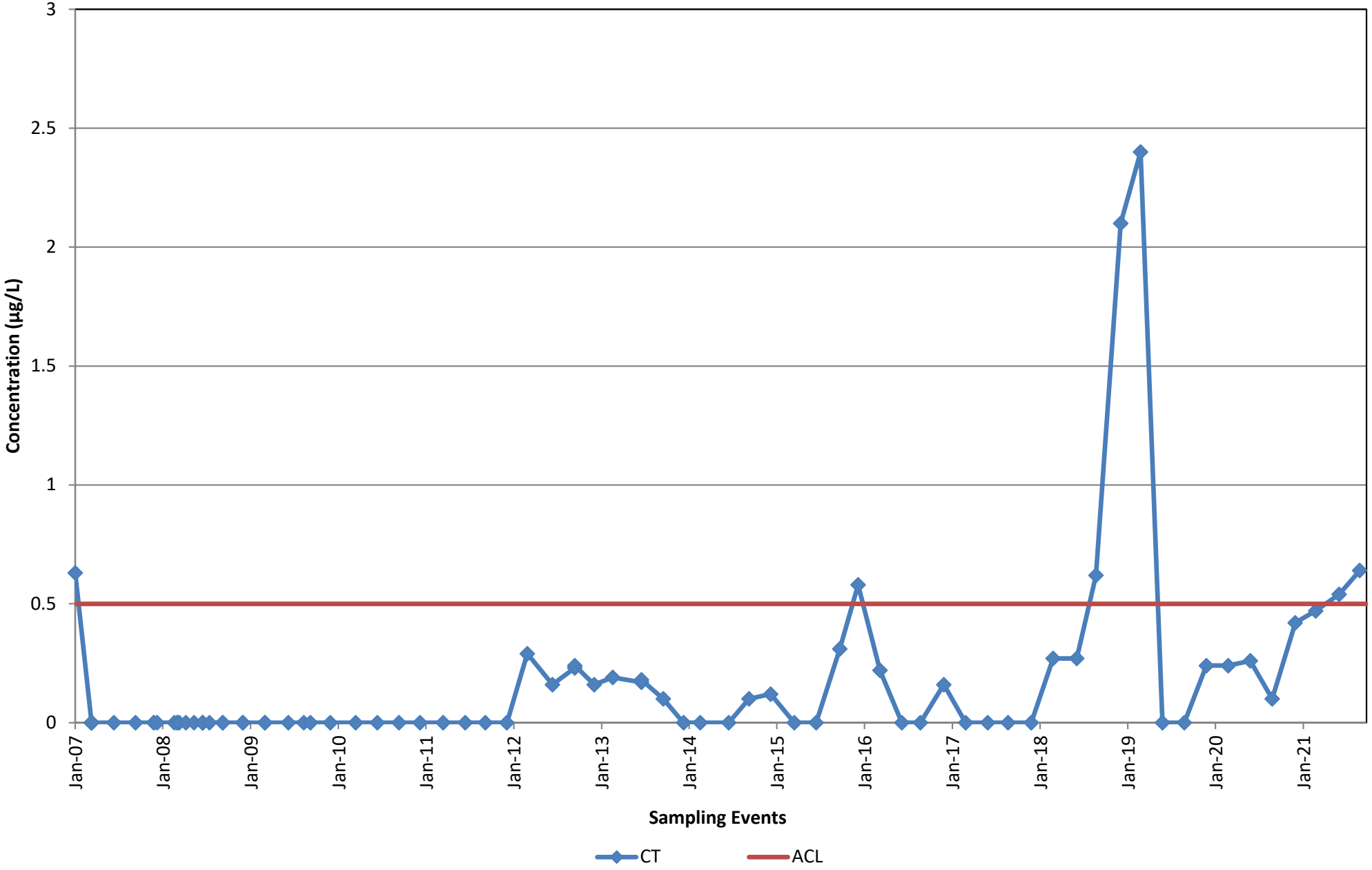
MW-BW-75-A

(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B36

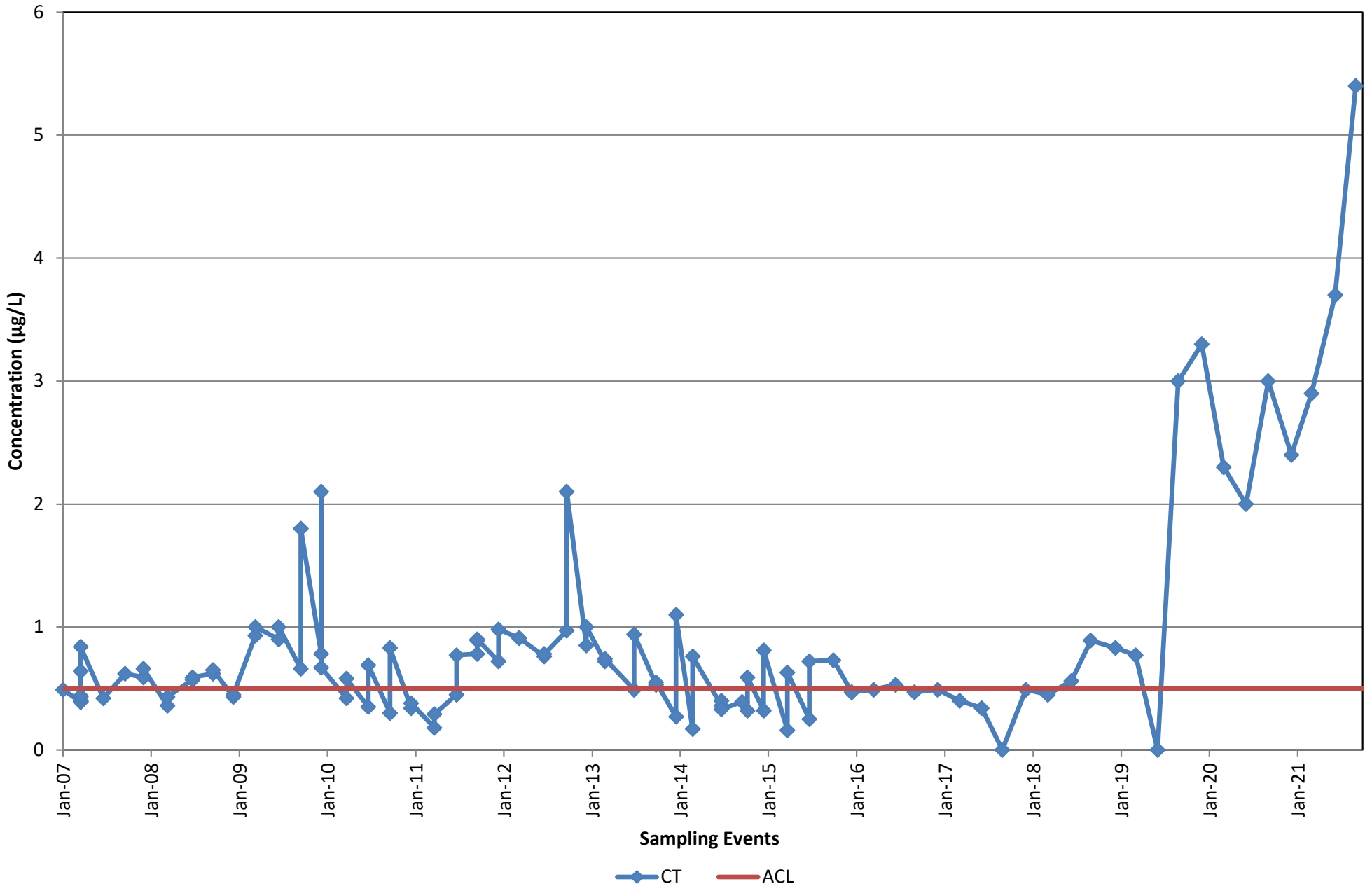


Ahtna

MW-BW-79-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B37



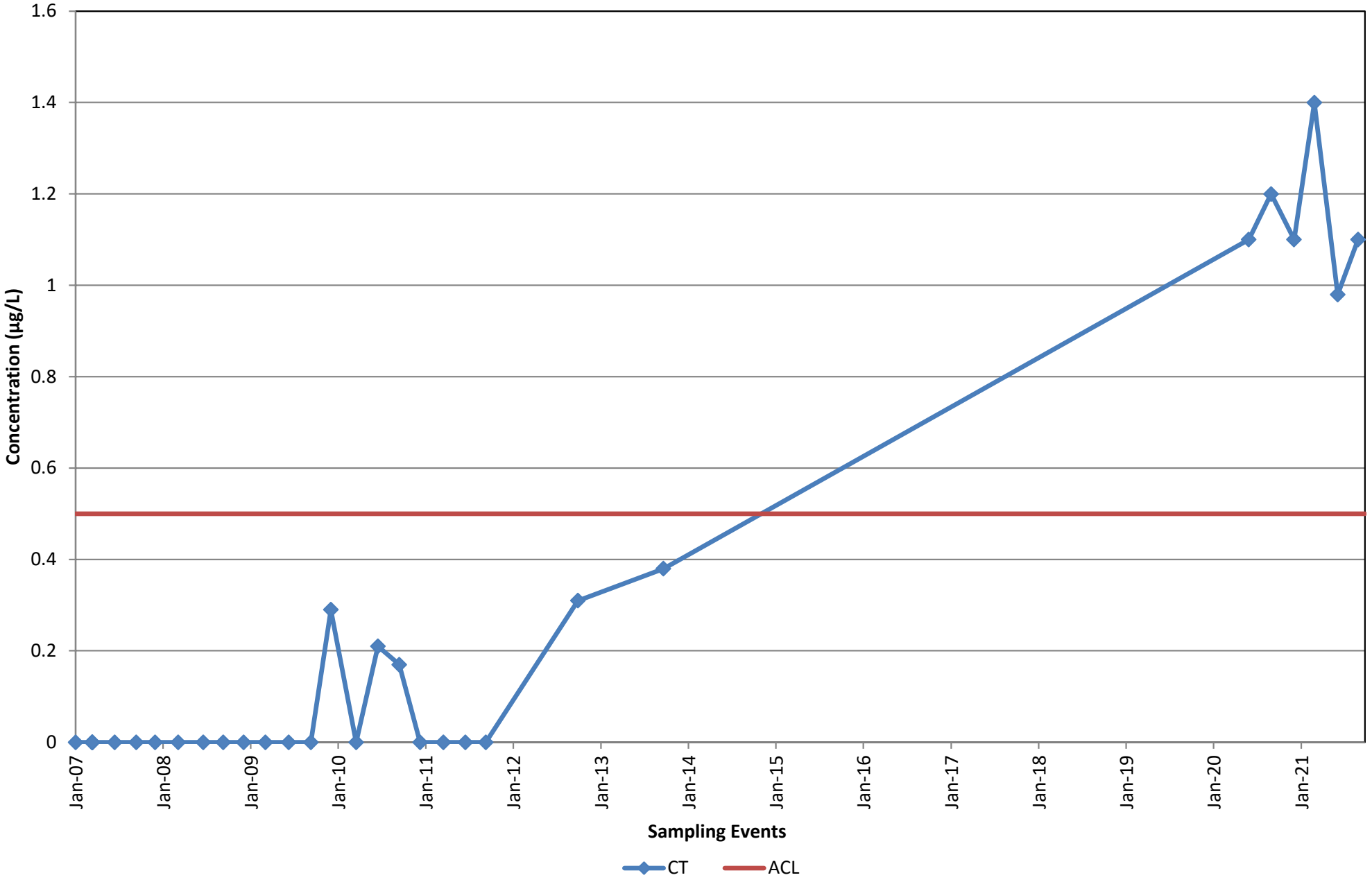
Ahtna

MW-BW-80-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B38



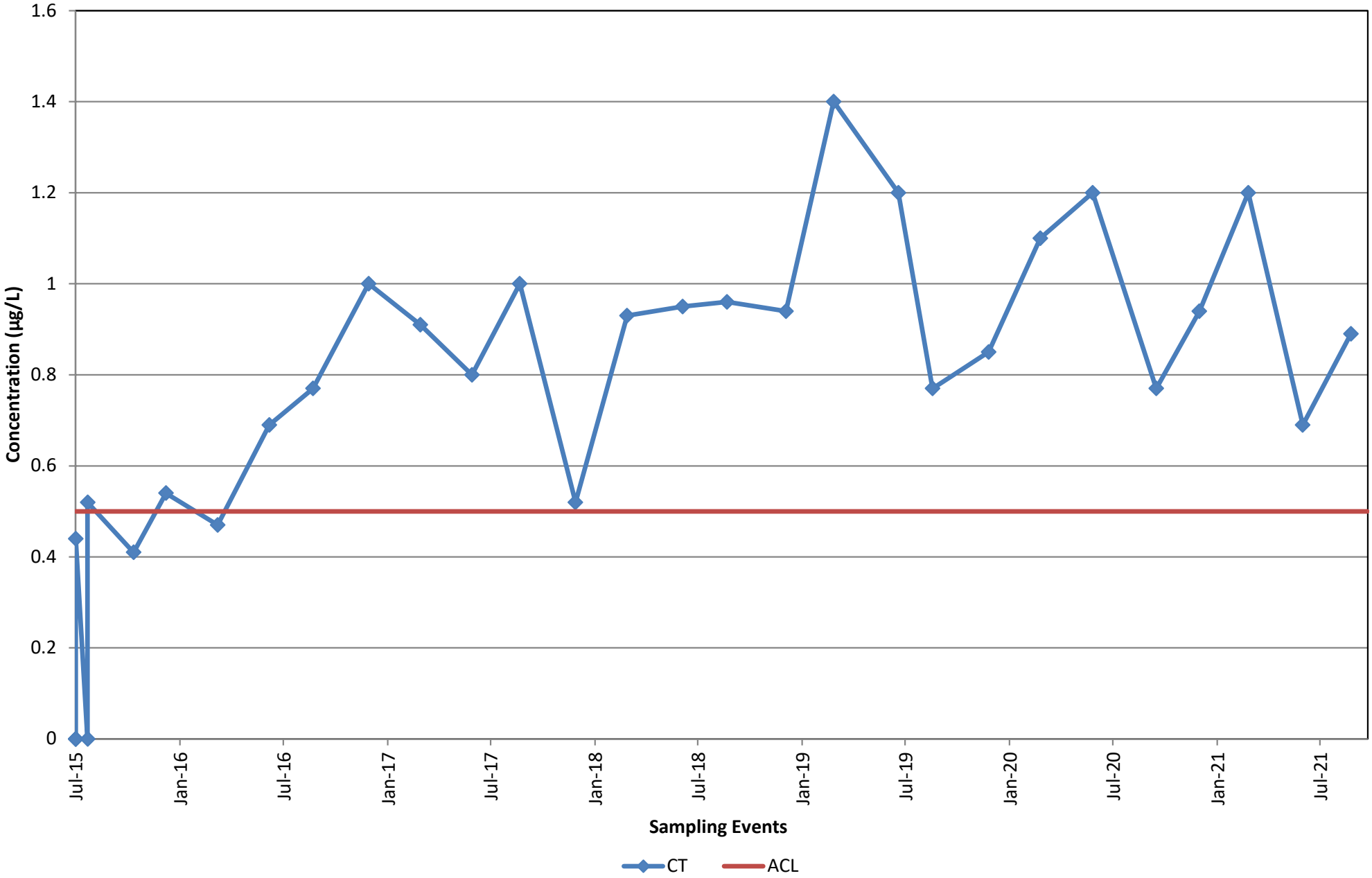
Ahtna

MW-BW-82-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B39



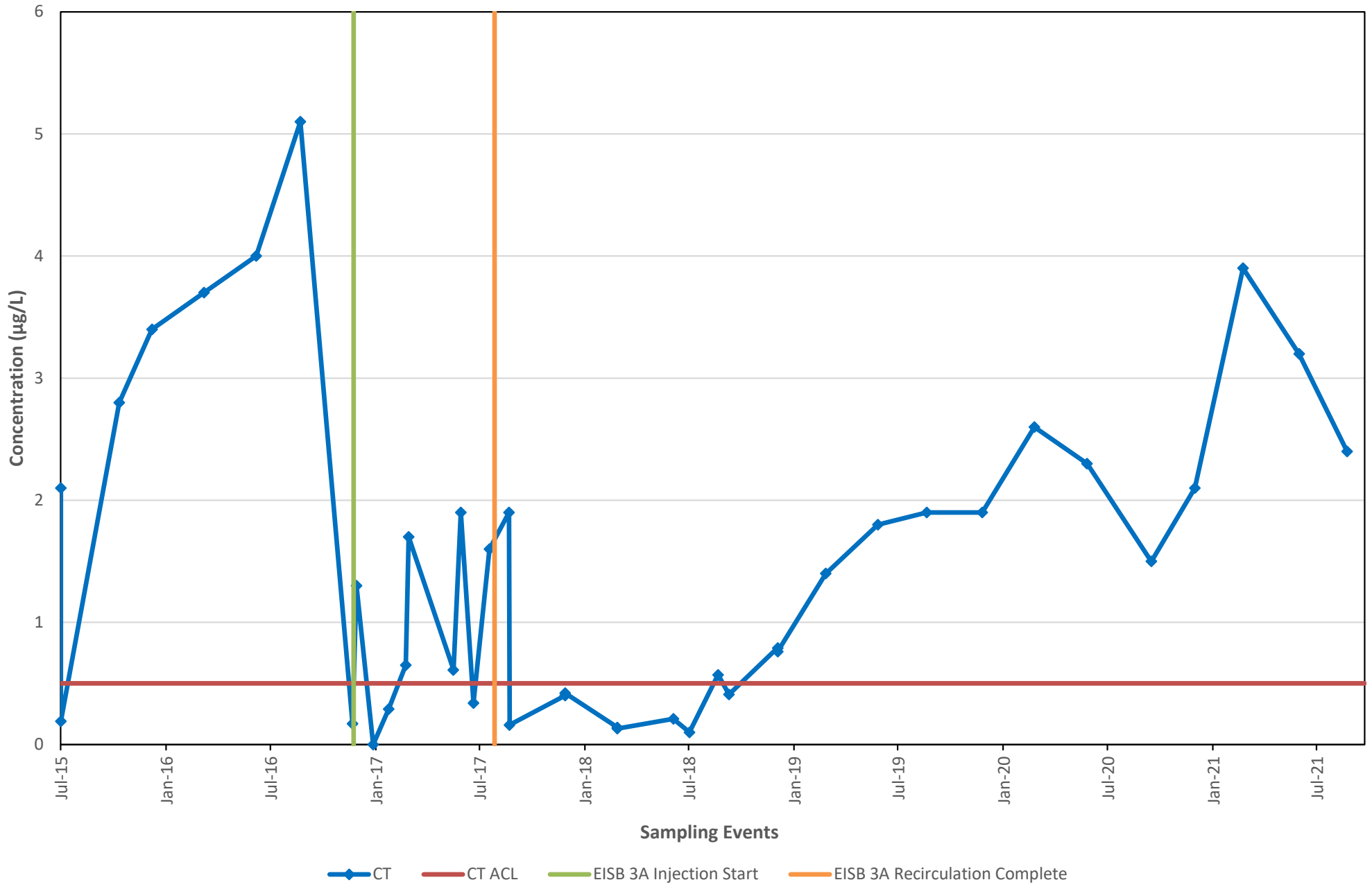
Ahtna

MW-BW-85-A
(Hydraulic Zone 2) [southeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B40



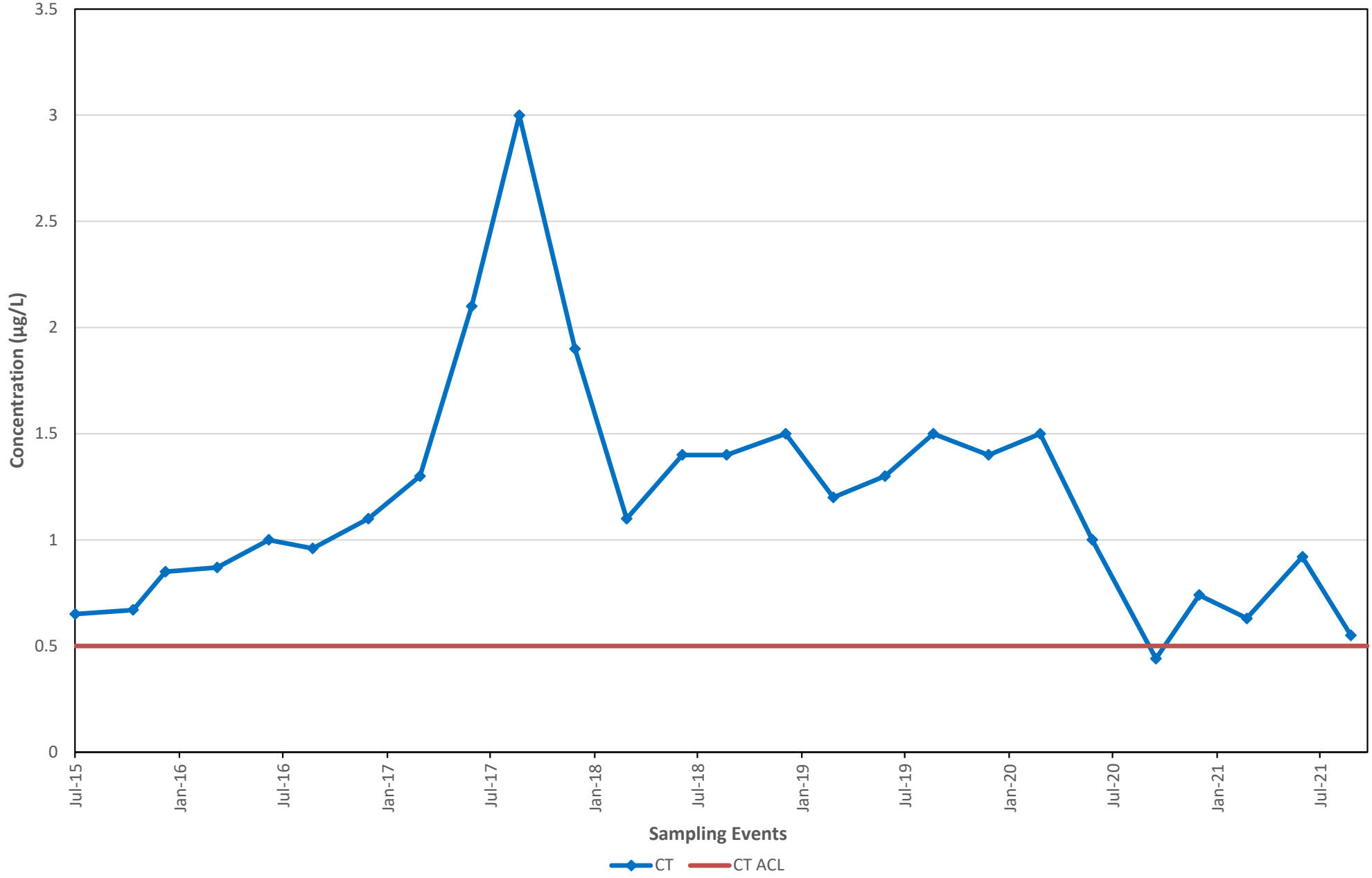
Ahtna

MW-BW-87-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B41



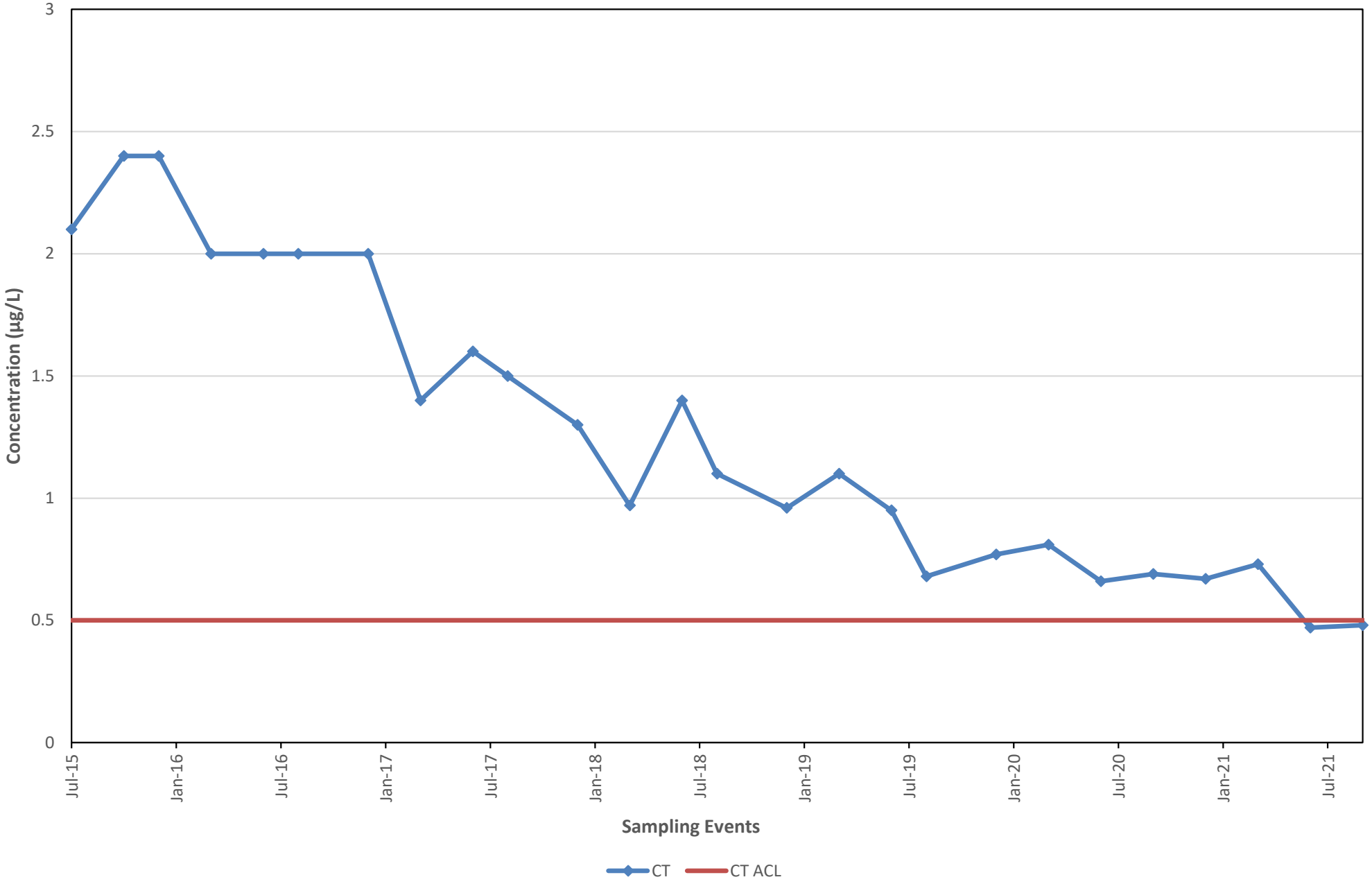
Ahtna

MW-BW-88-A
(Hydraulic Zone 2) [north of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B42



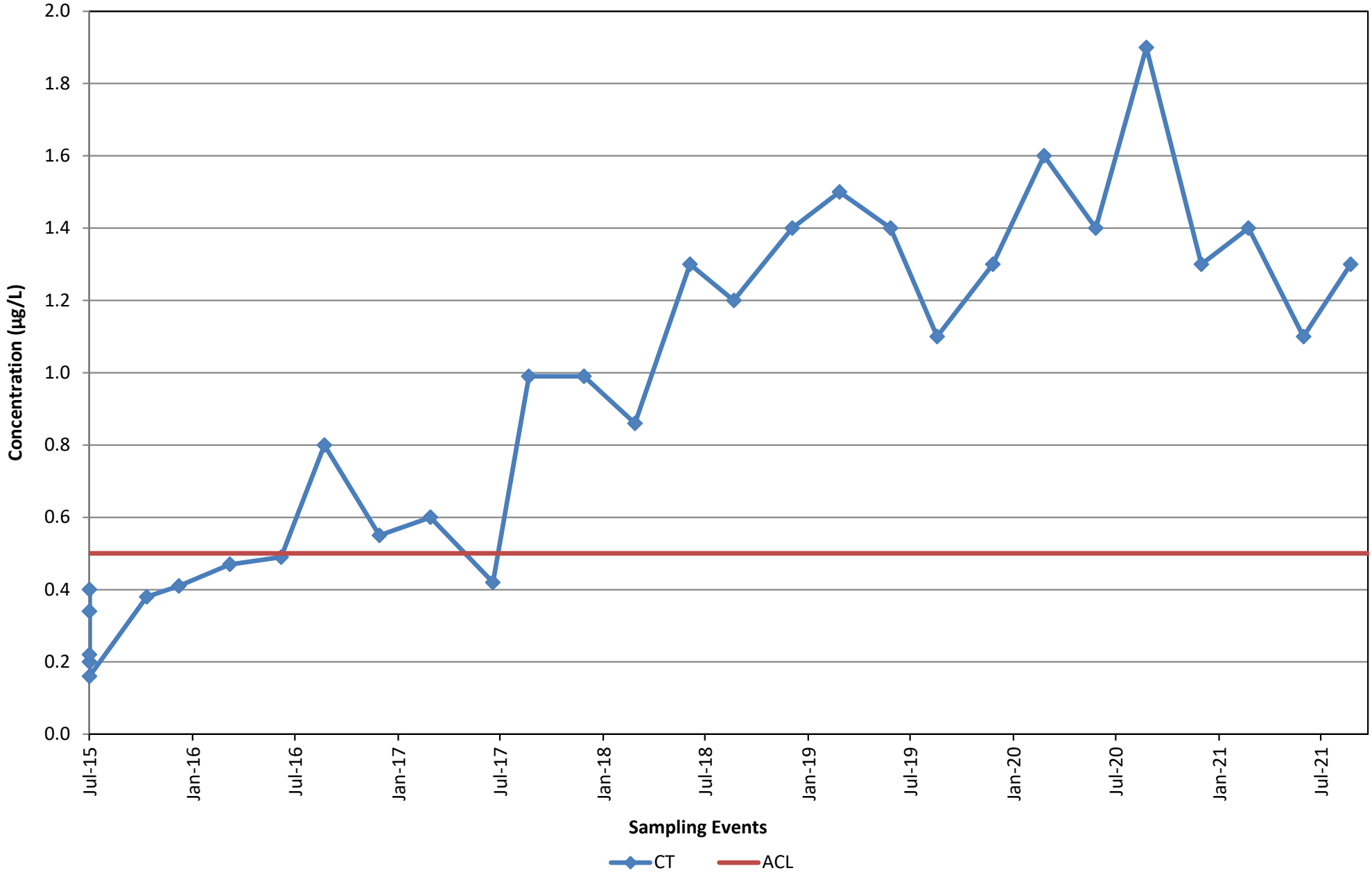
Ahtna

MW-BW-89-A
(Hydraulic Zone 3) [northeast of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B43



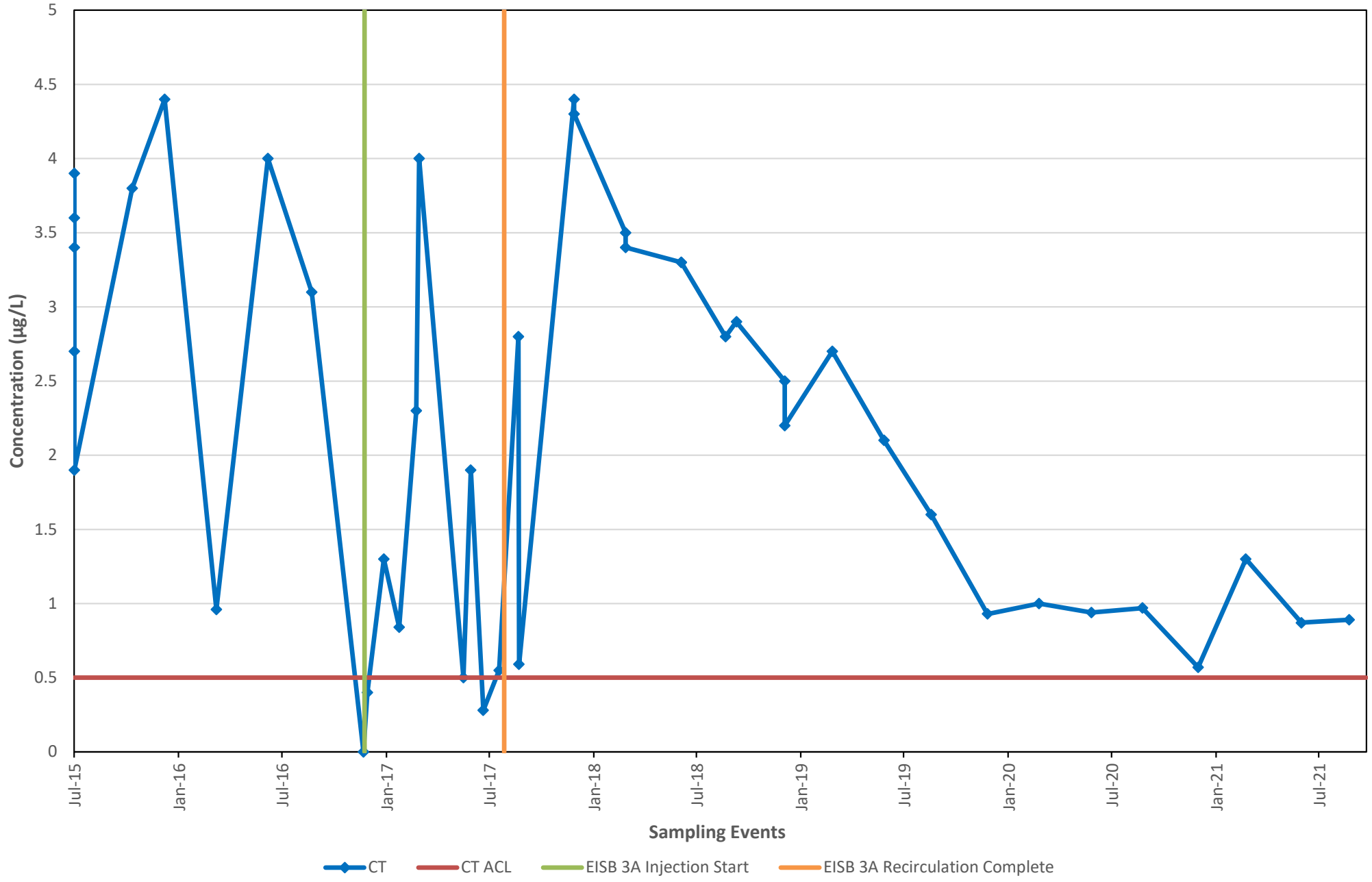
Ahtna

MW-BW-90-A
(Hydraulic Zone 2) [northeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B44



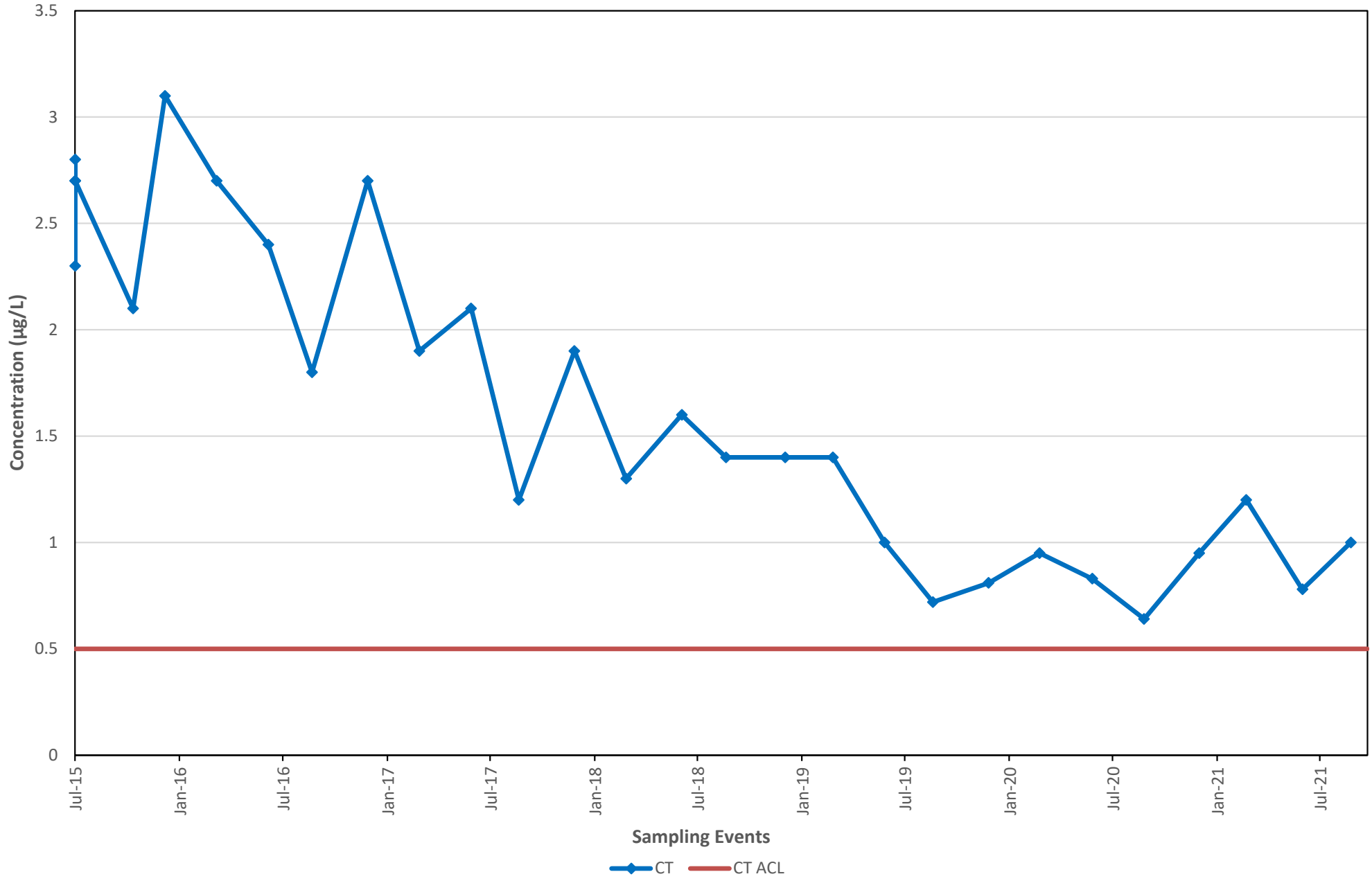
Ahtna

MW-BW-91-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B45



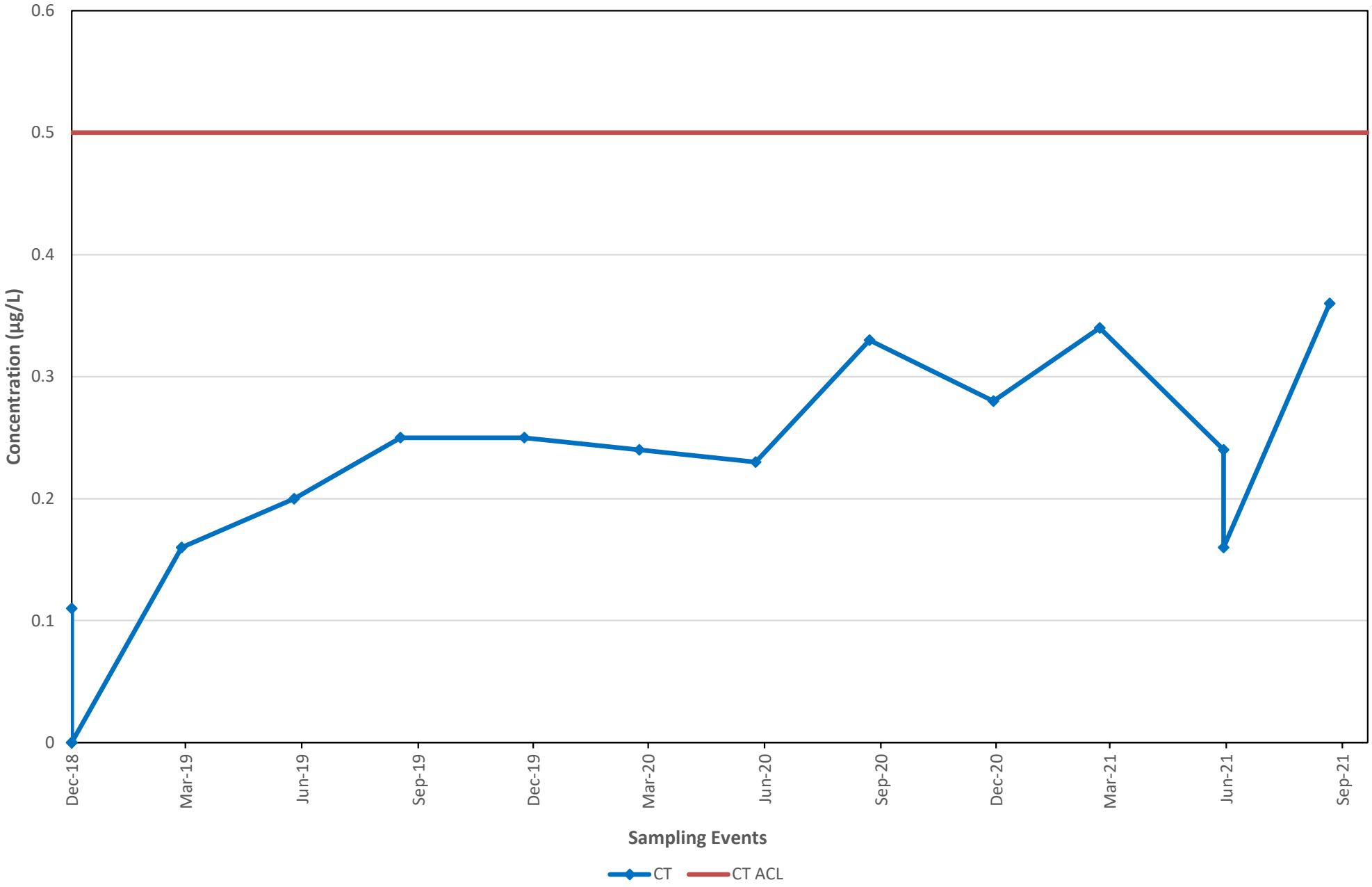
Ahtna

MW-BW-92-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B46



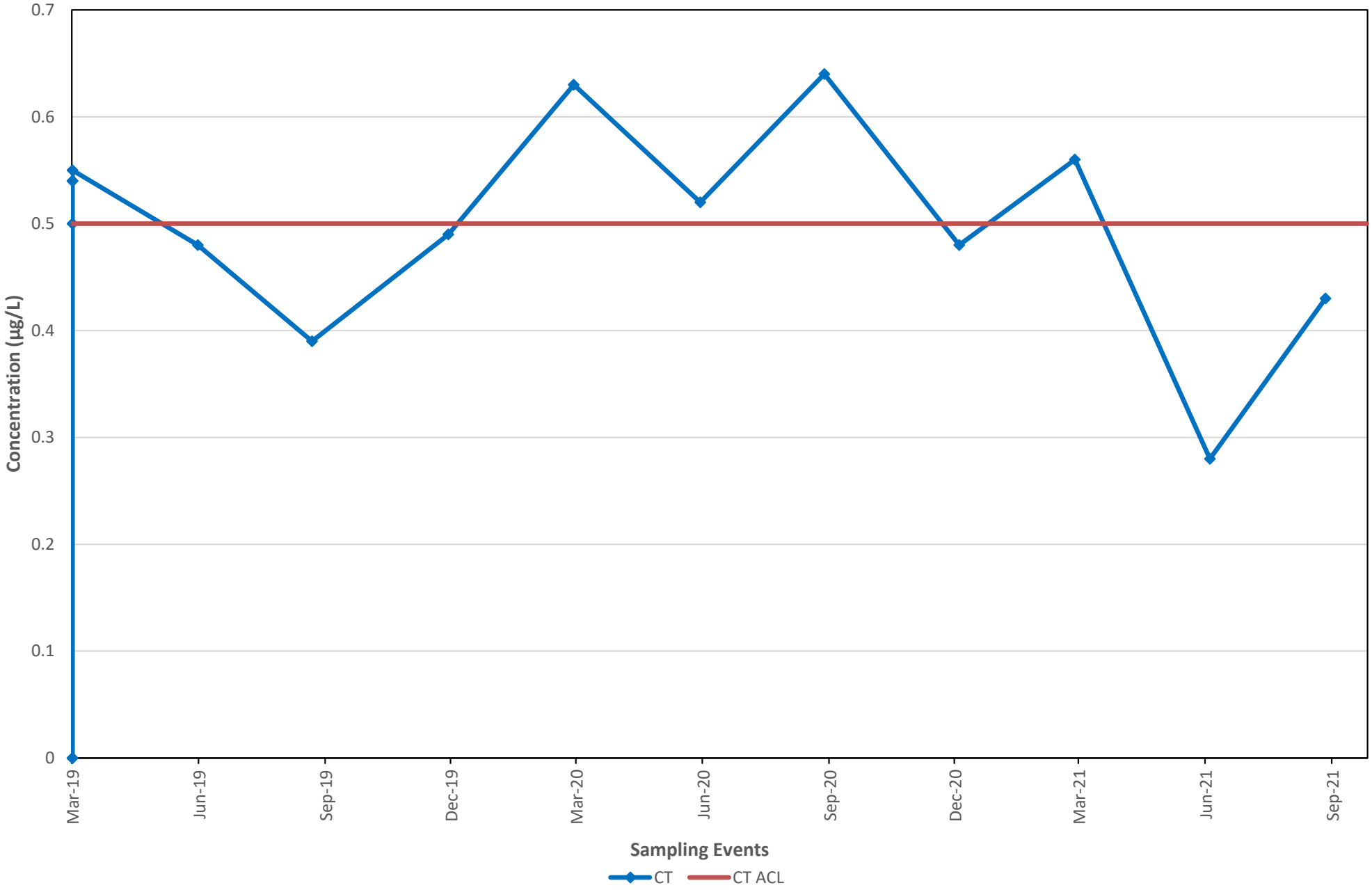
Ahtna

MW-BW-93-A
(Hydraulic Zone 3) [northwest of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B47



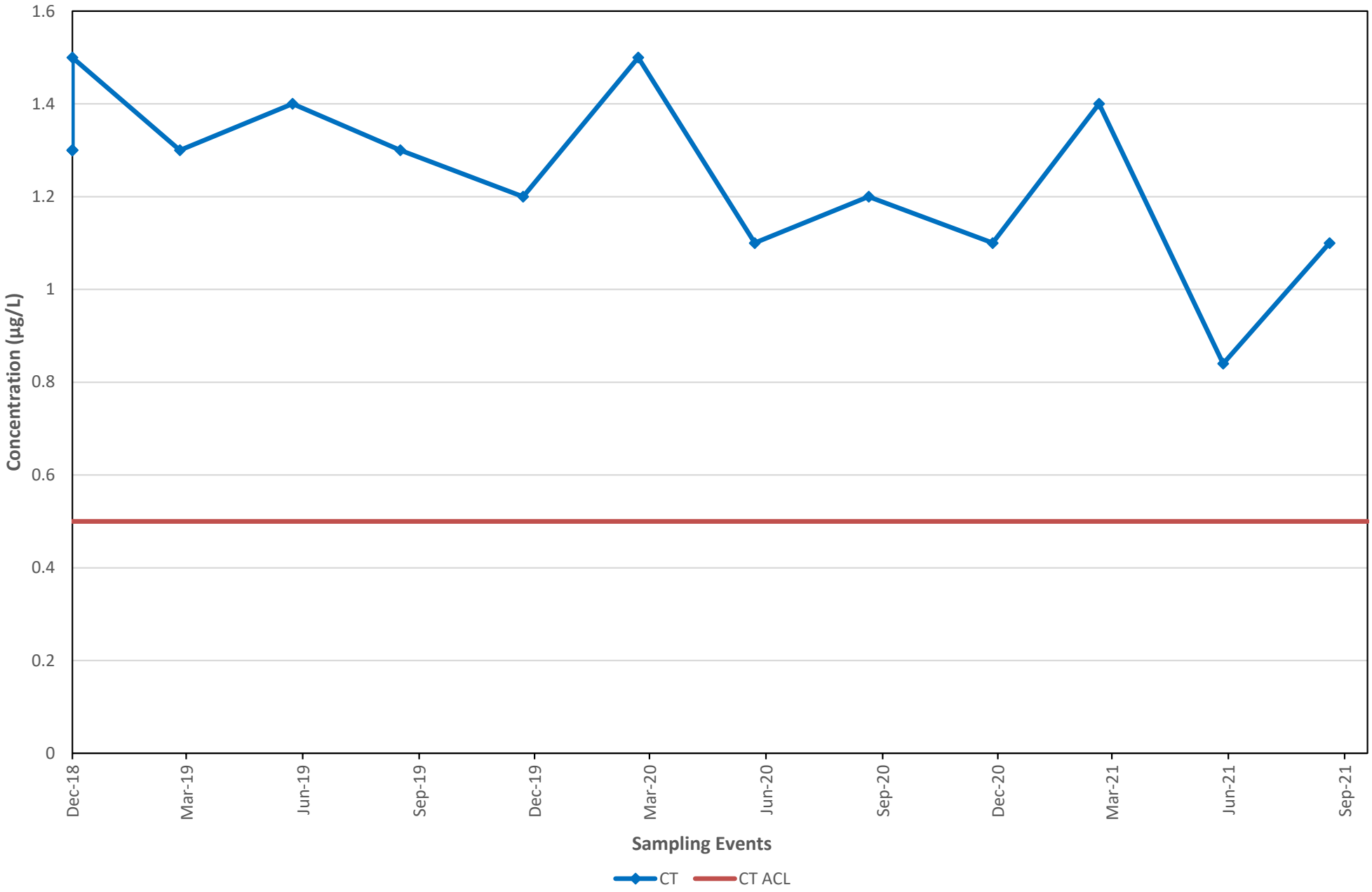
Ahtna

MW-BW-94-AR
(Hydraulic Zone 2) [northeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B48



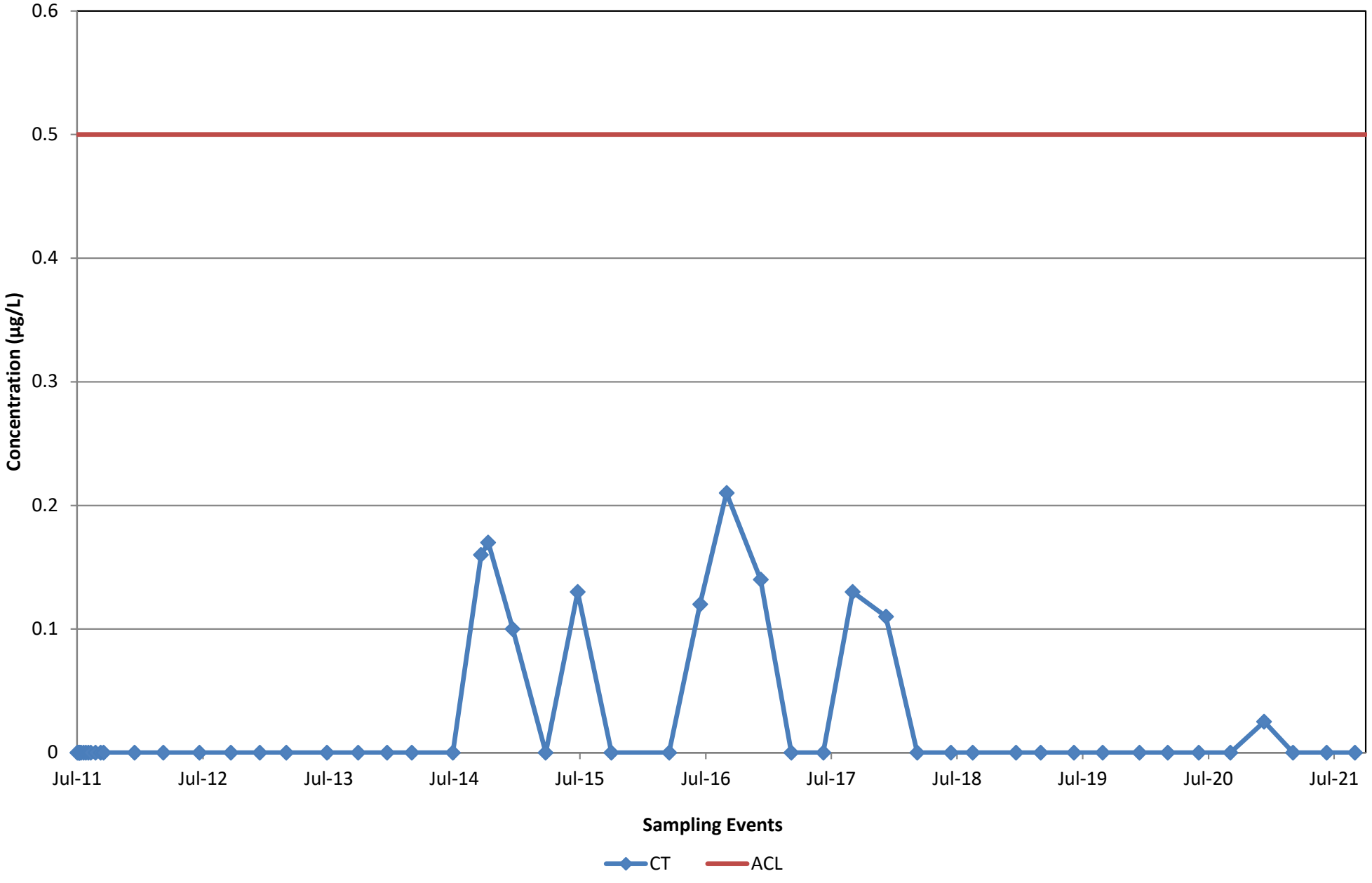
Ahtna

MW-BW-95-A
(Hydraulic Zone 3) [north of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B49

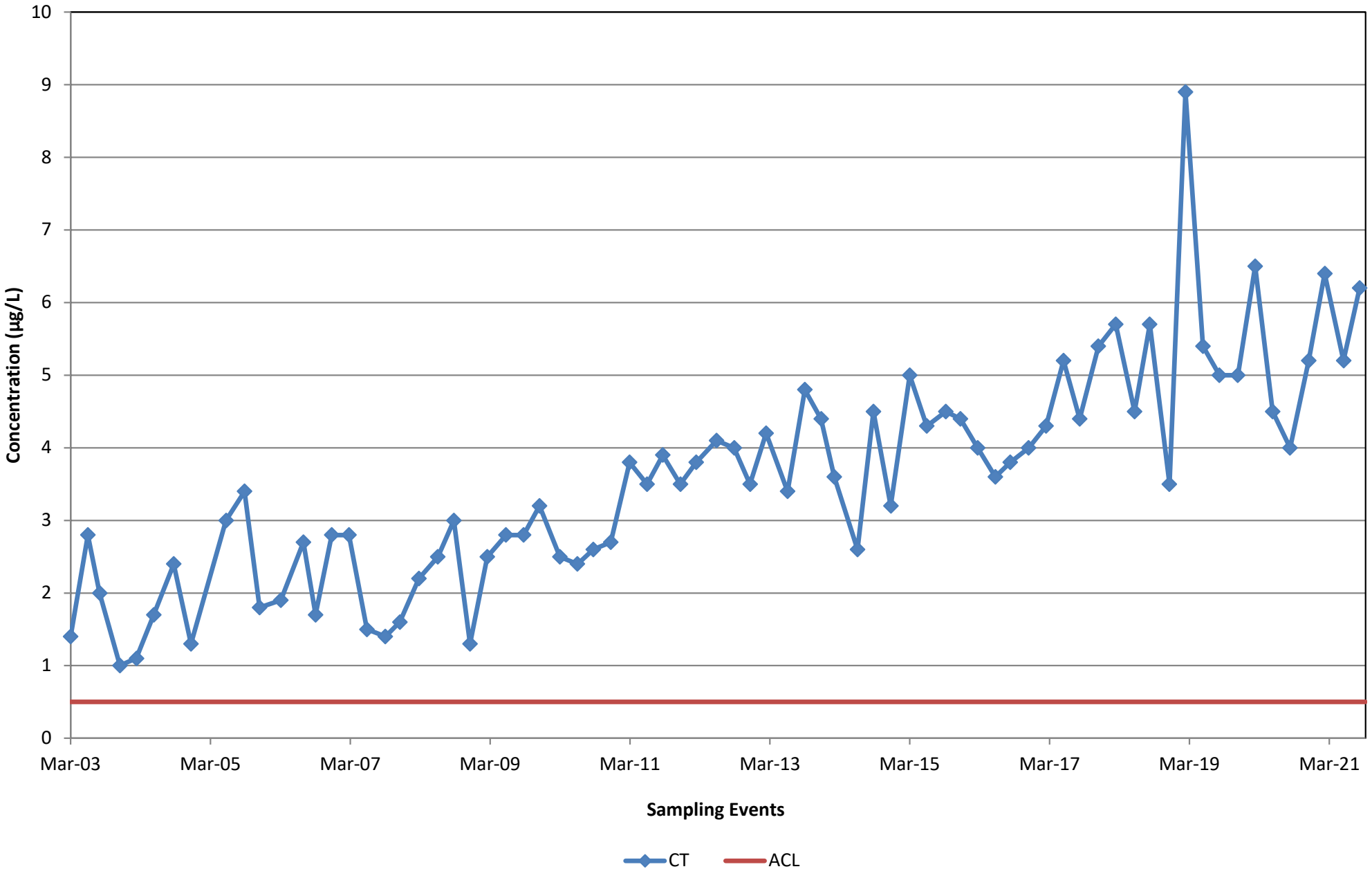


EW-OU2-09-180
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B50



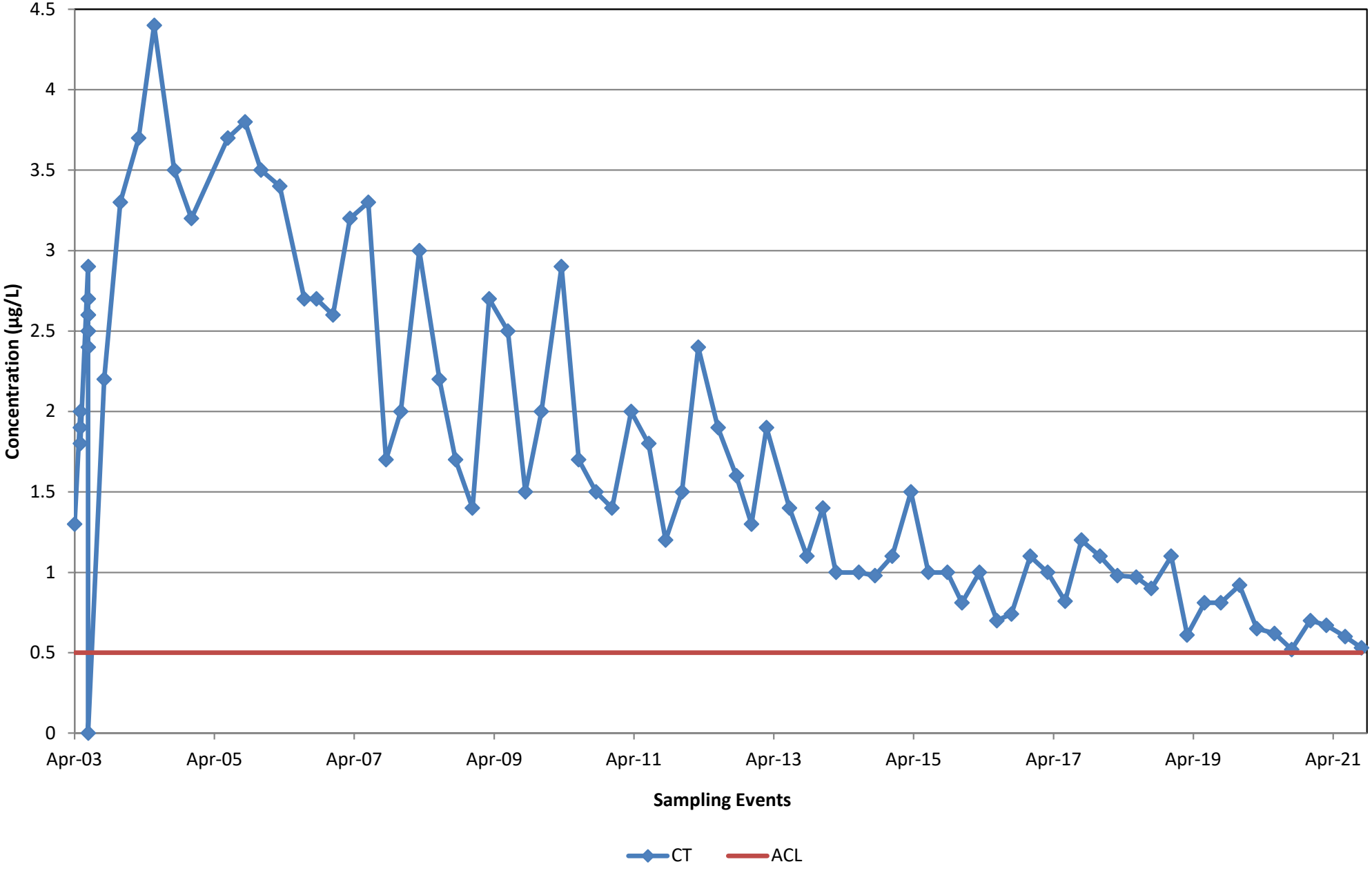
Ahtna

MP-BW-46-170
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B51



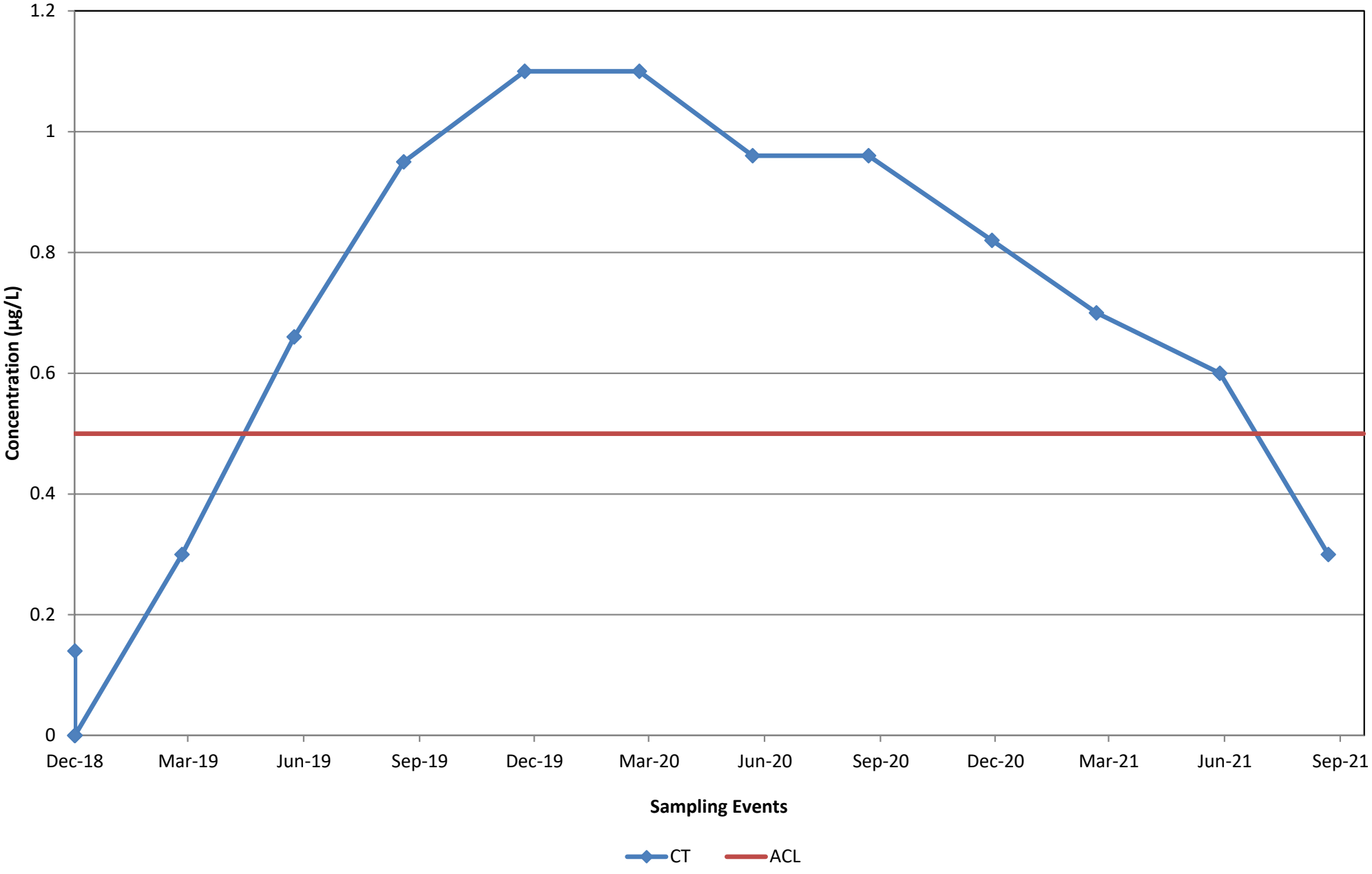
Ahtna

MW-BW-52-180
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B52



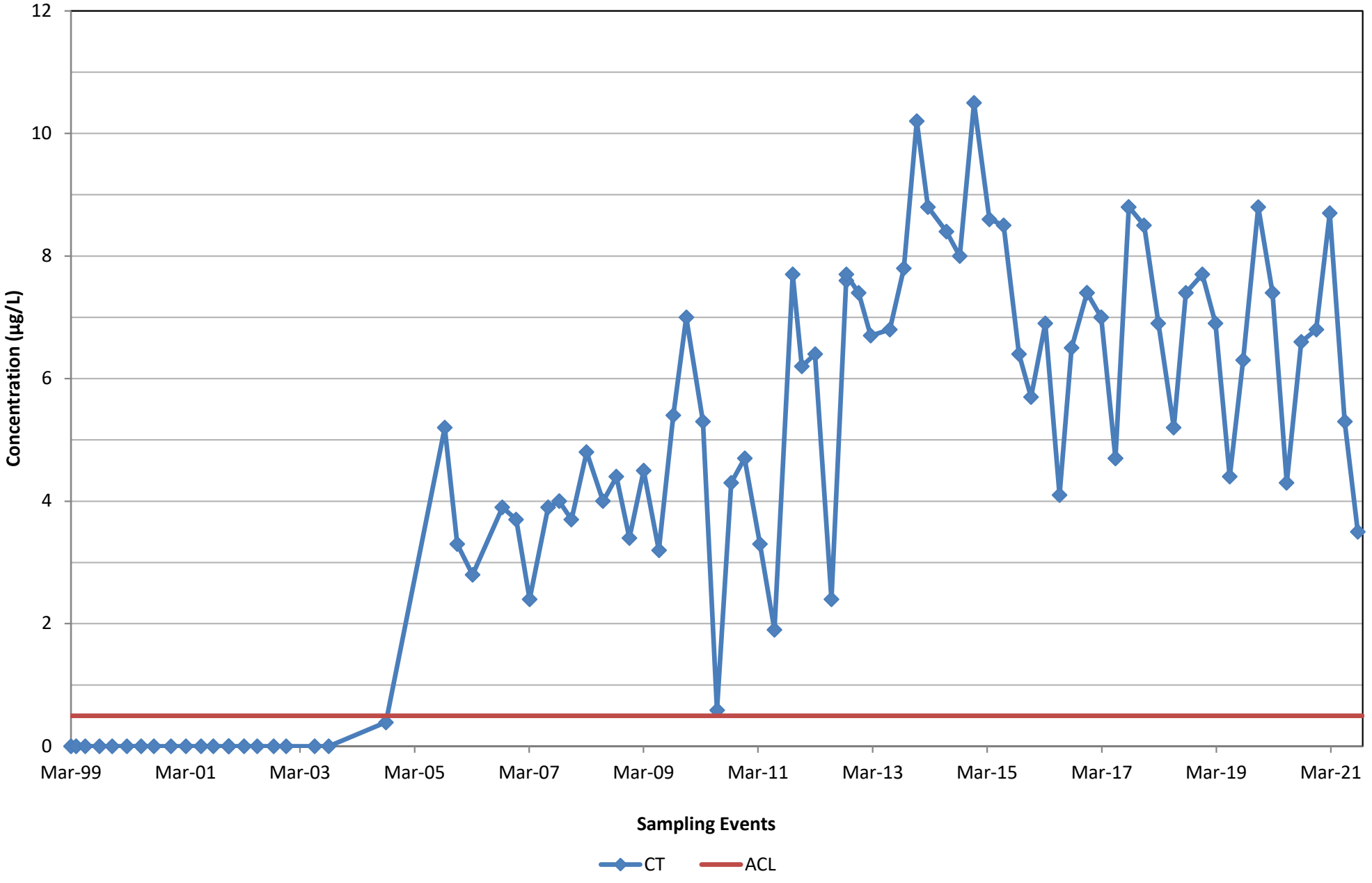
Ahtna

MW-BW-57-180
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B53



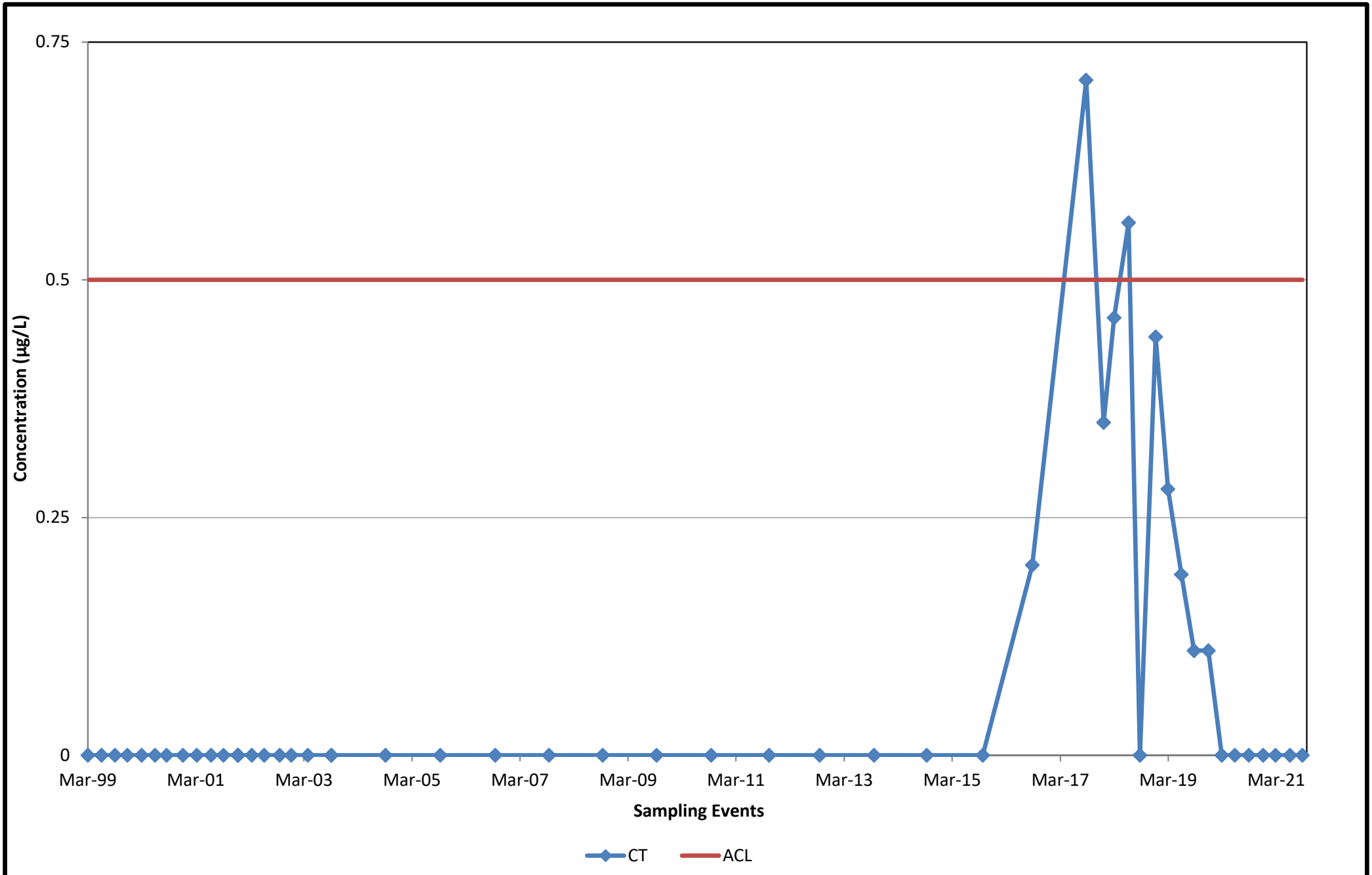
Ahtna

MW-OU2-64-180
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B54



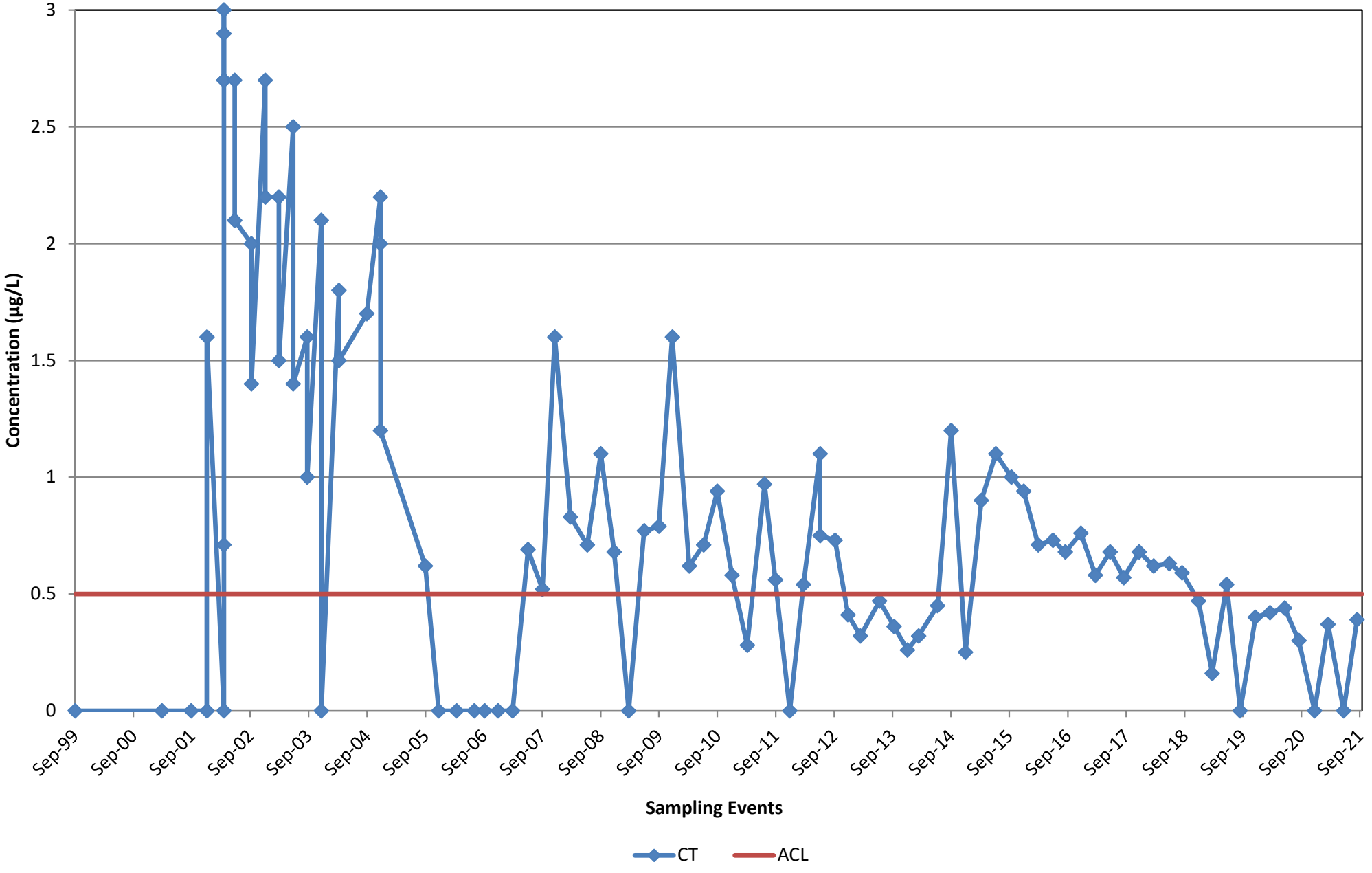
Ahtna

MW-OU2-67-180
(Hydraulic Zone 6)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B55



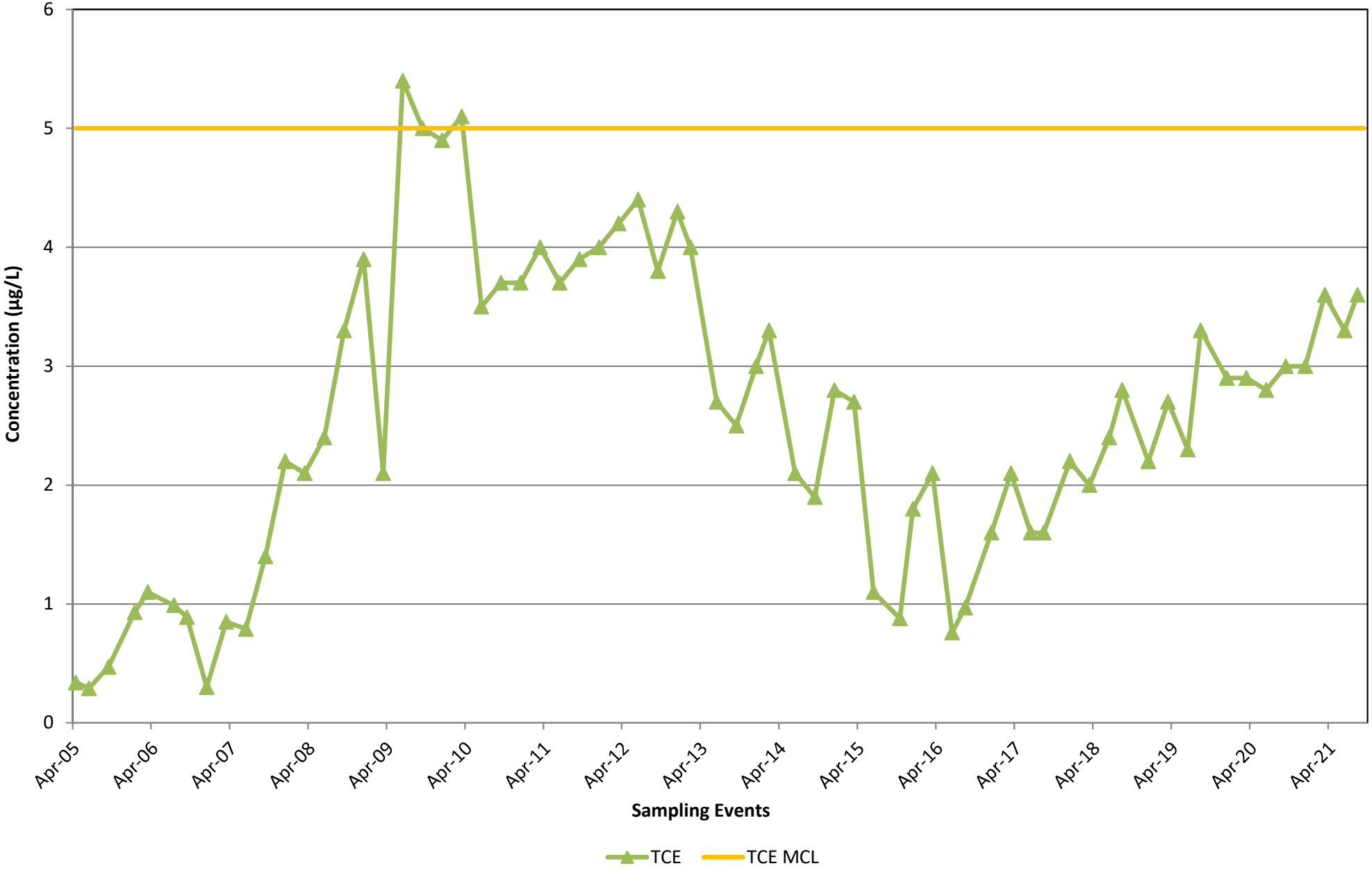
Ahtna

Airfield
(Hydraulic Zone 8)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B56



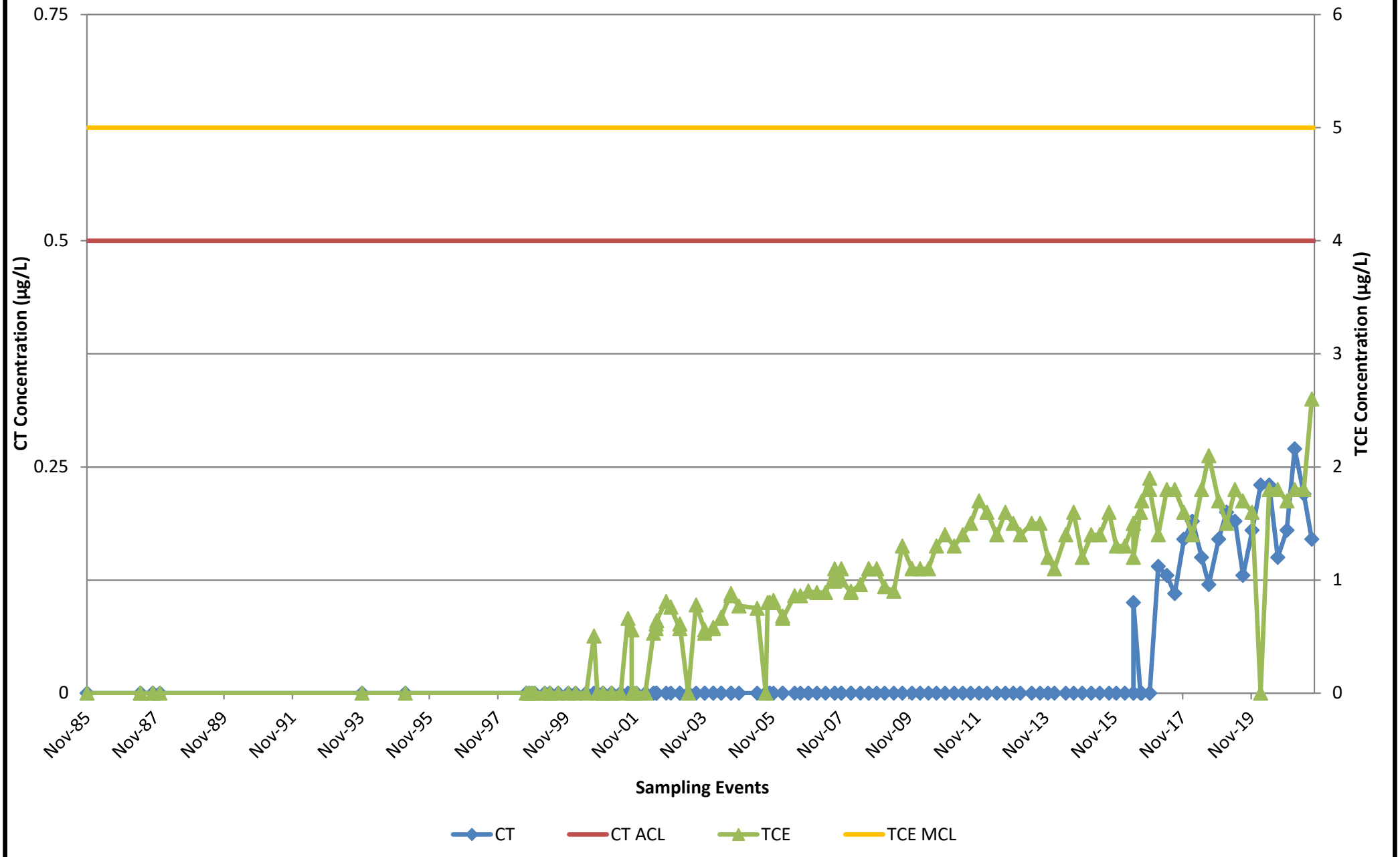
Ahtna

EW-OU2-07-180
(southwest of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B57



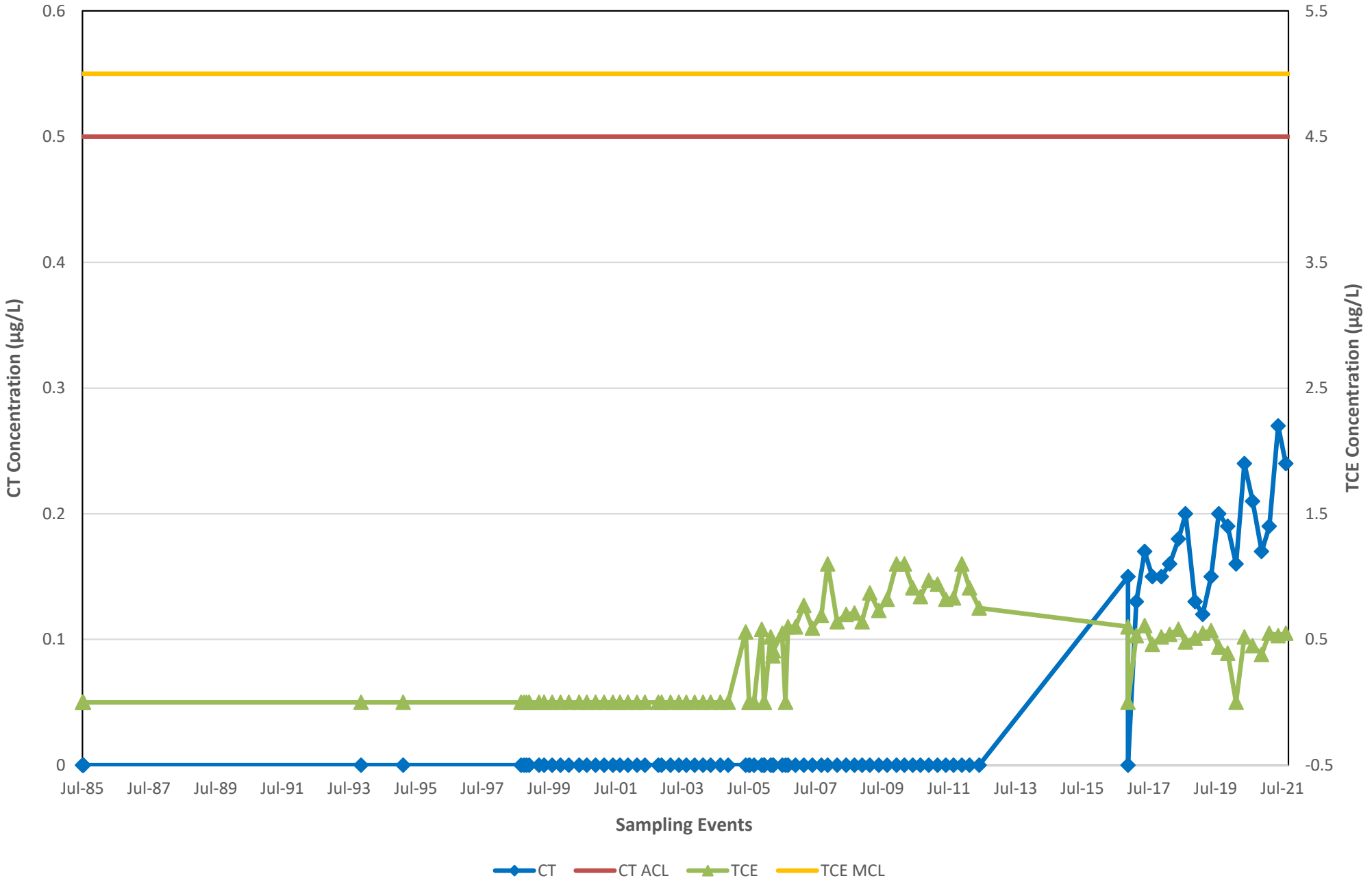
Ahtna

FO-29
(southeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B58



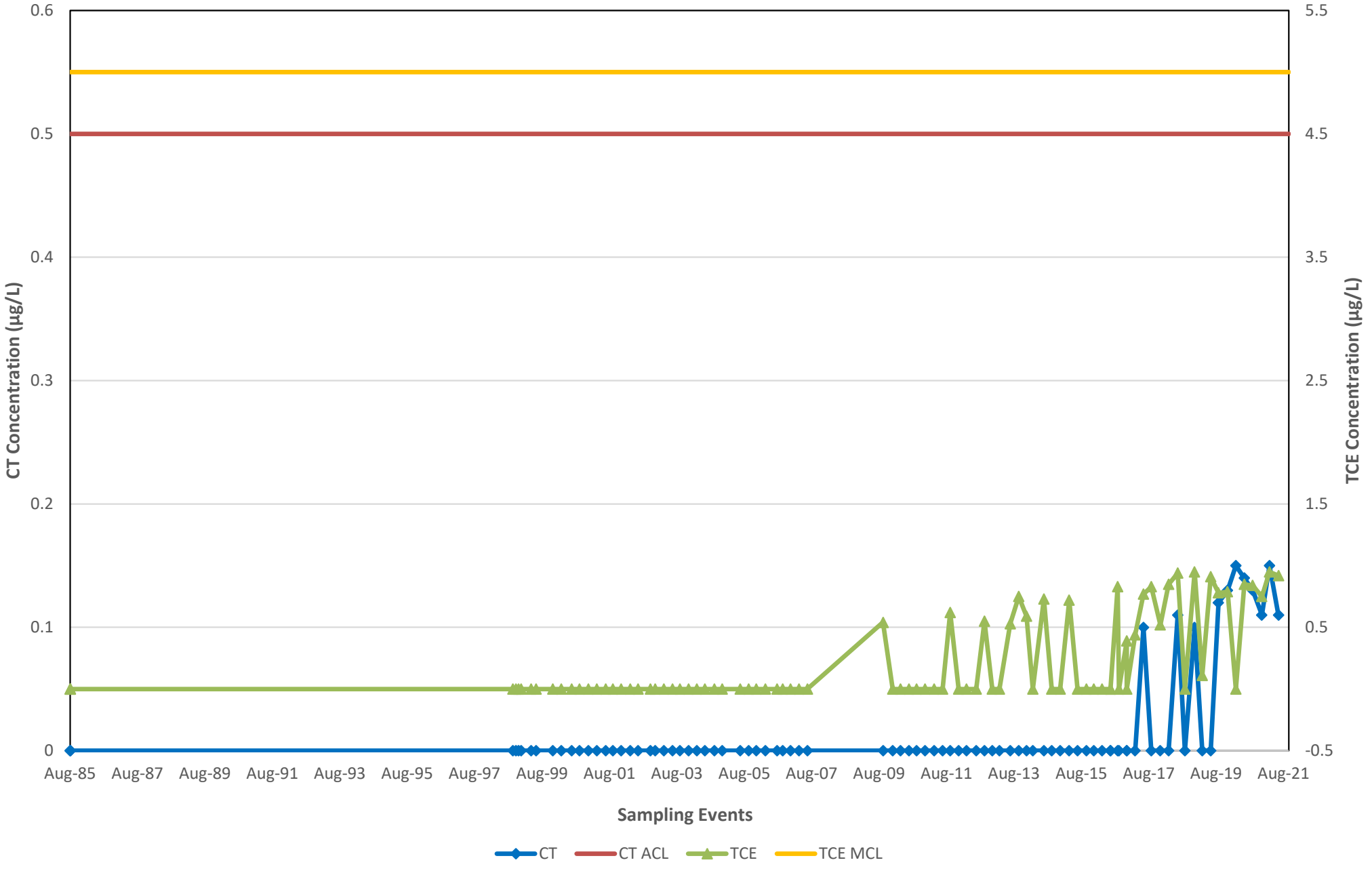
Ahtna

FO-30
(northeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B59



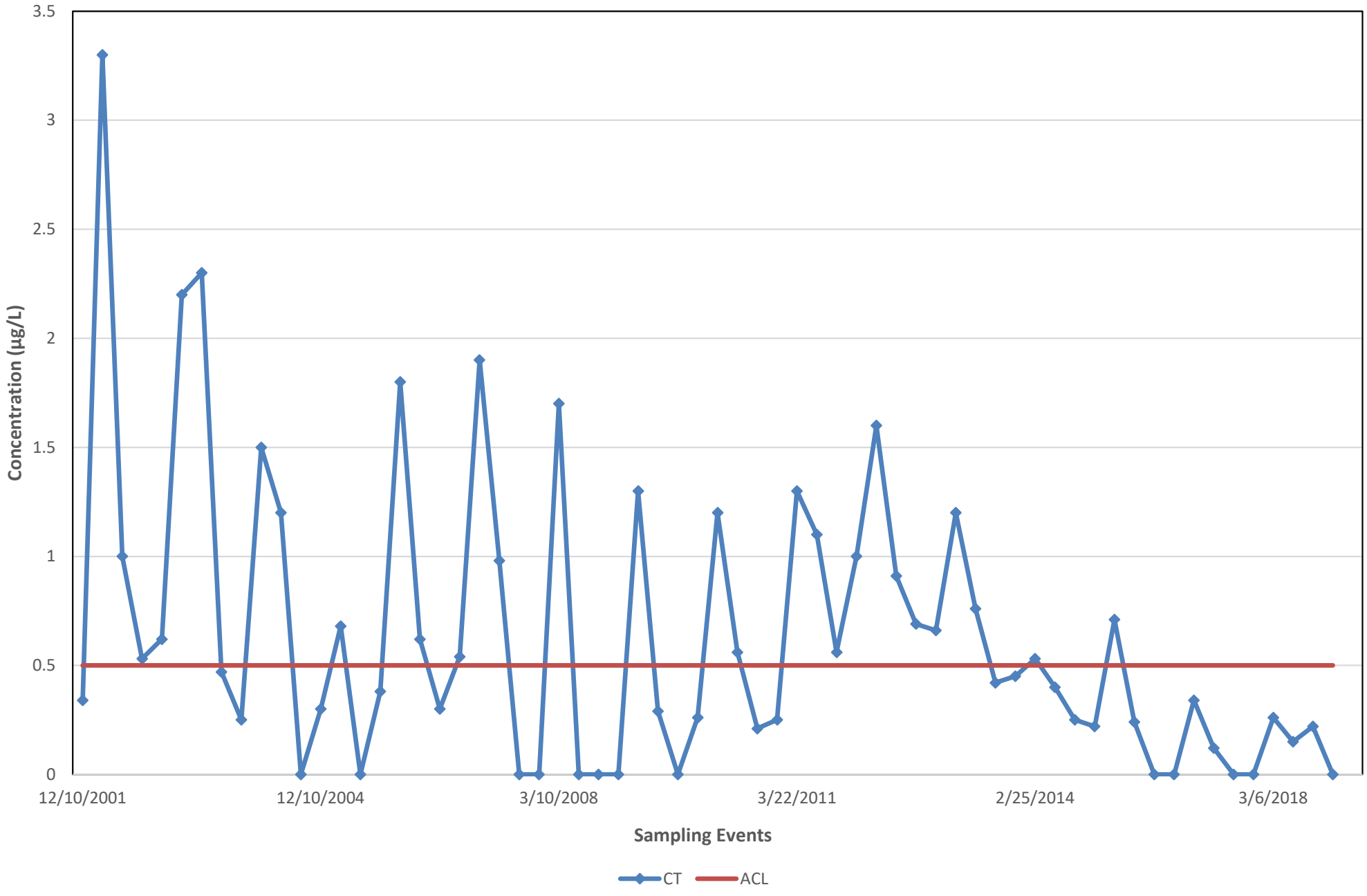
Ahtna

FO-31
(southeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B60



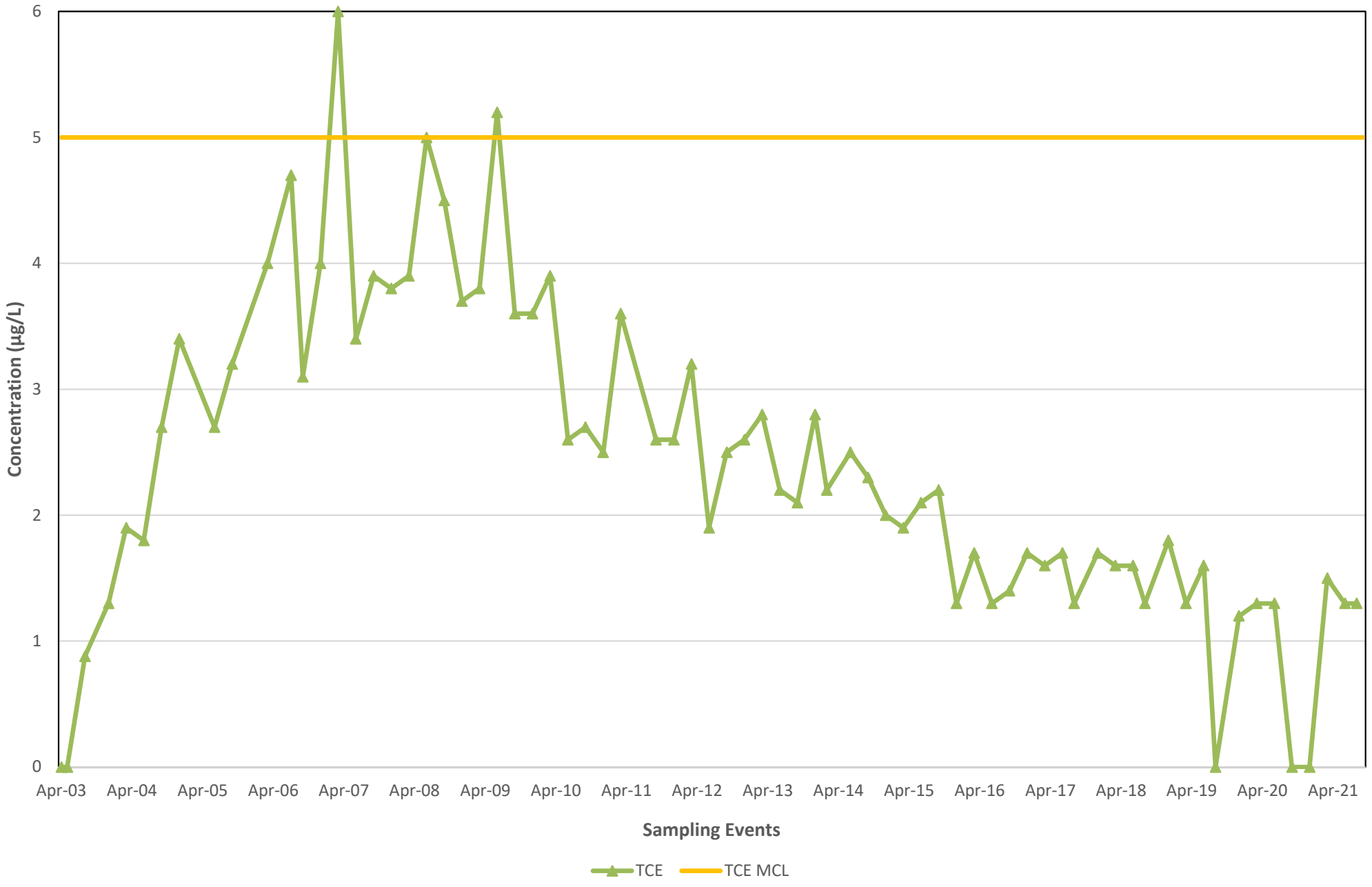
Ahtna

MP-BW-31-292
(Hydraulic Zone 8)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B61



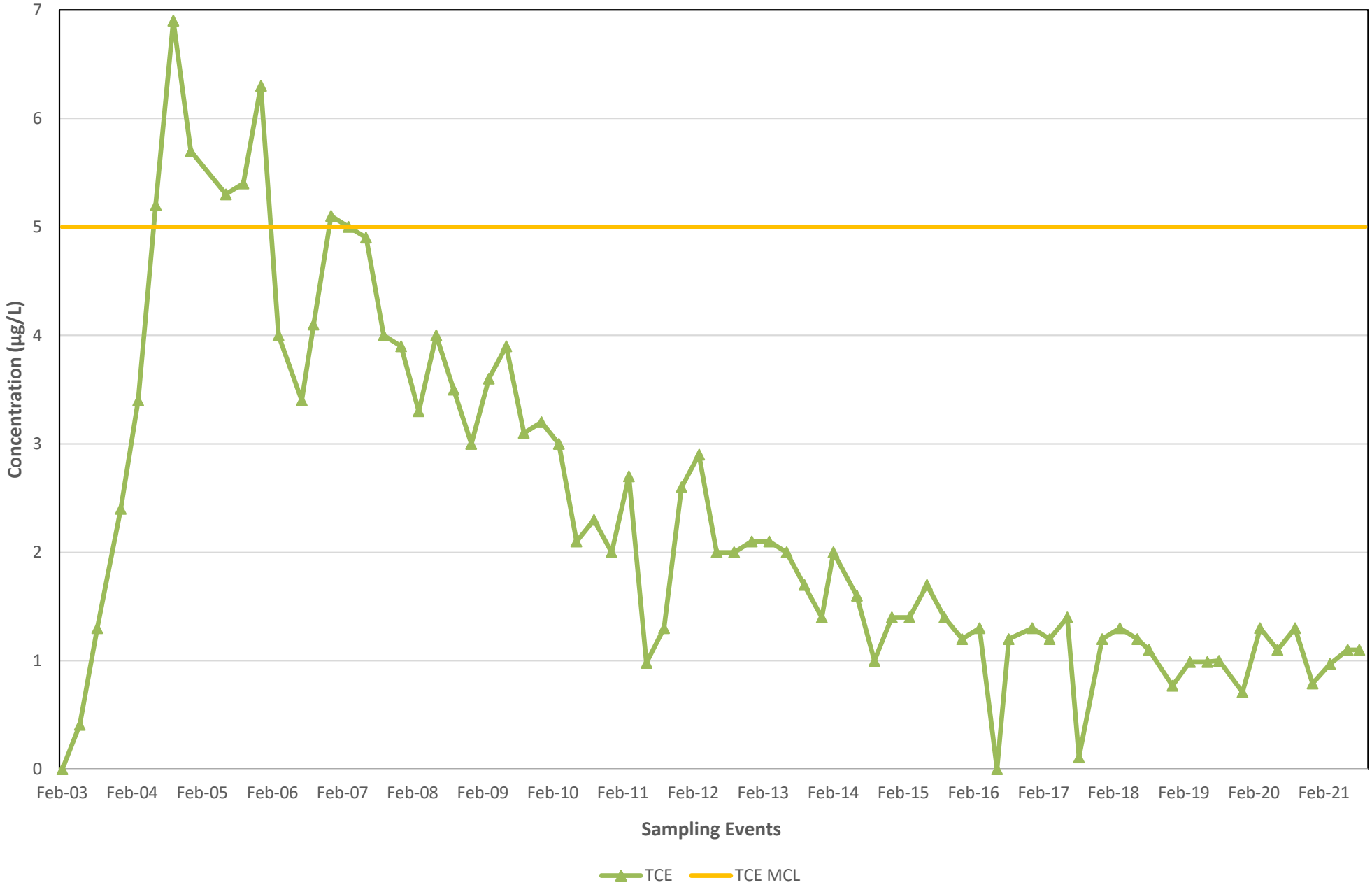
Ahtna

MP-BW-41-353
(west of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B62



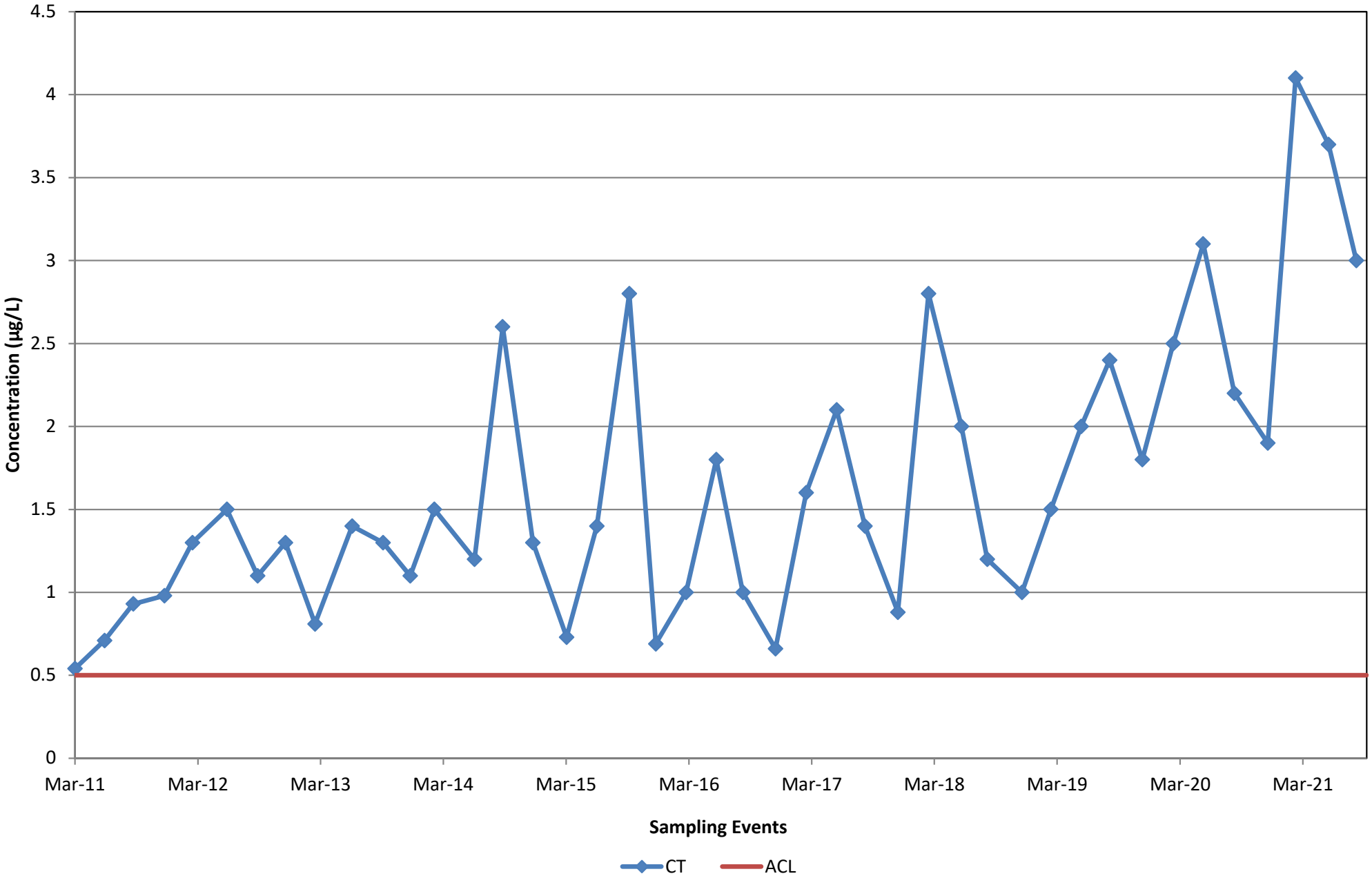
Ahtna

MP-BW-42-345
(northwest of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B63



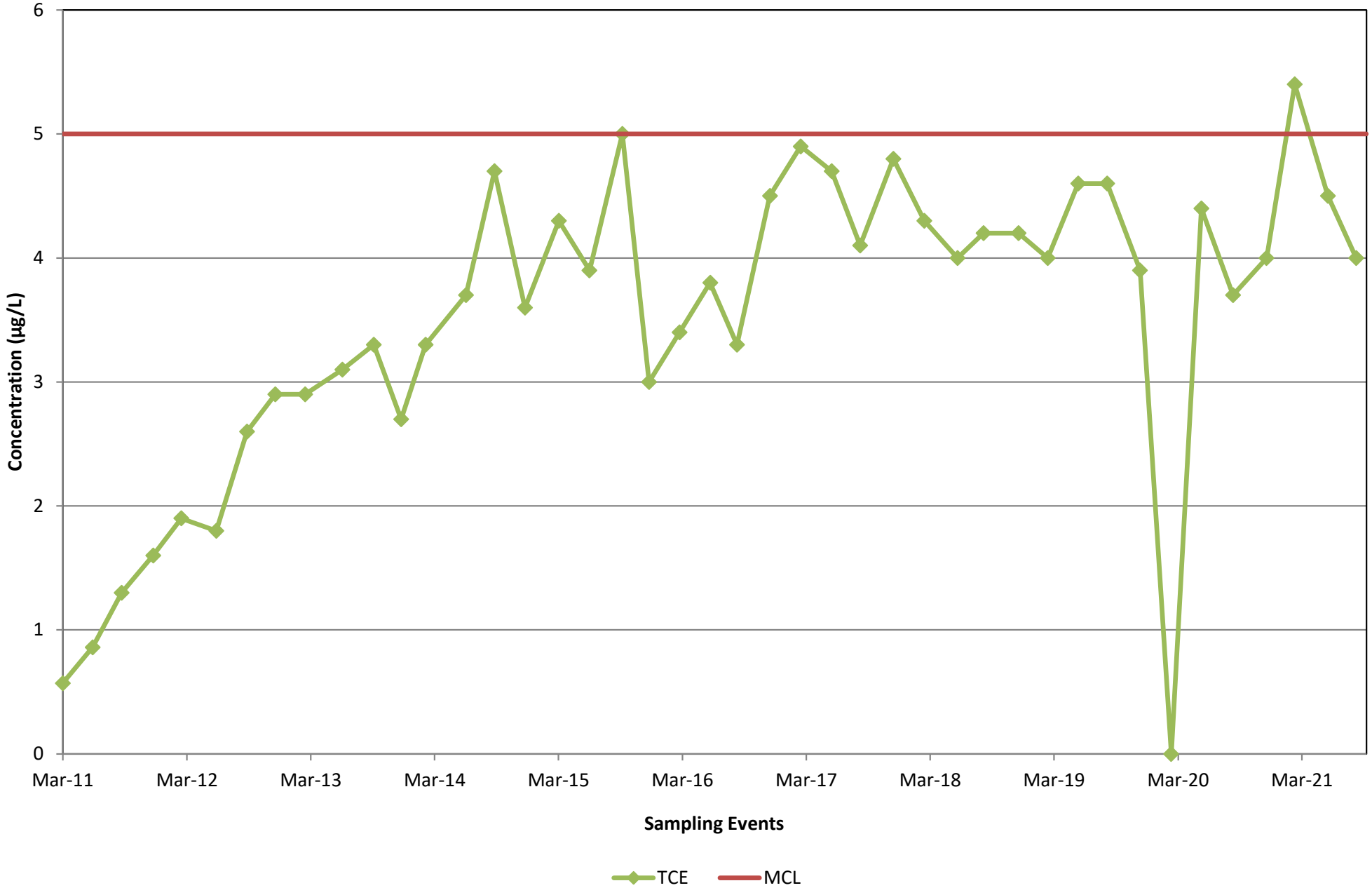
Ahtna

MP-BW-49-316
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B64



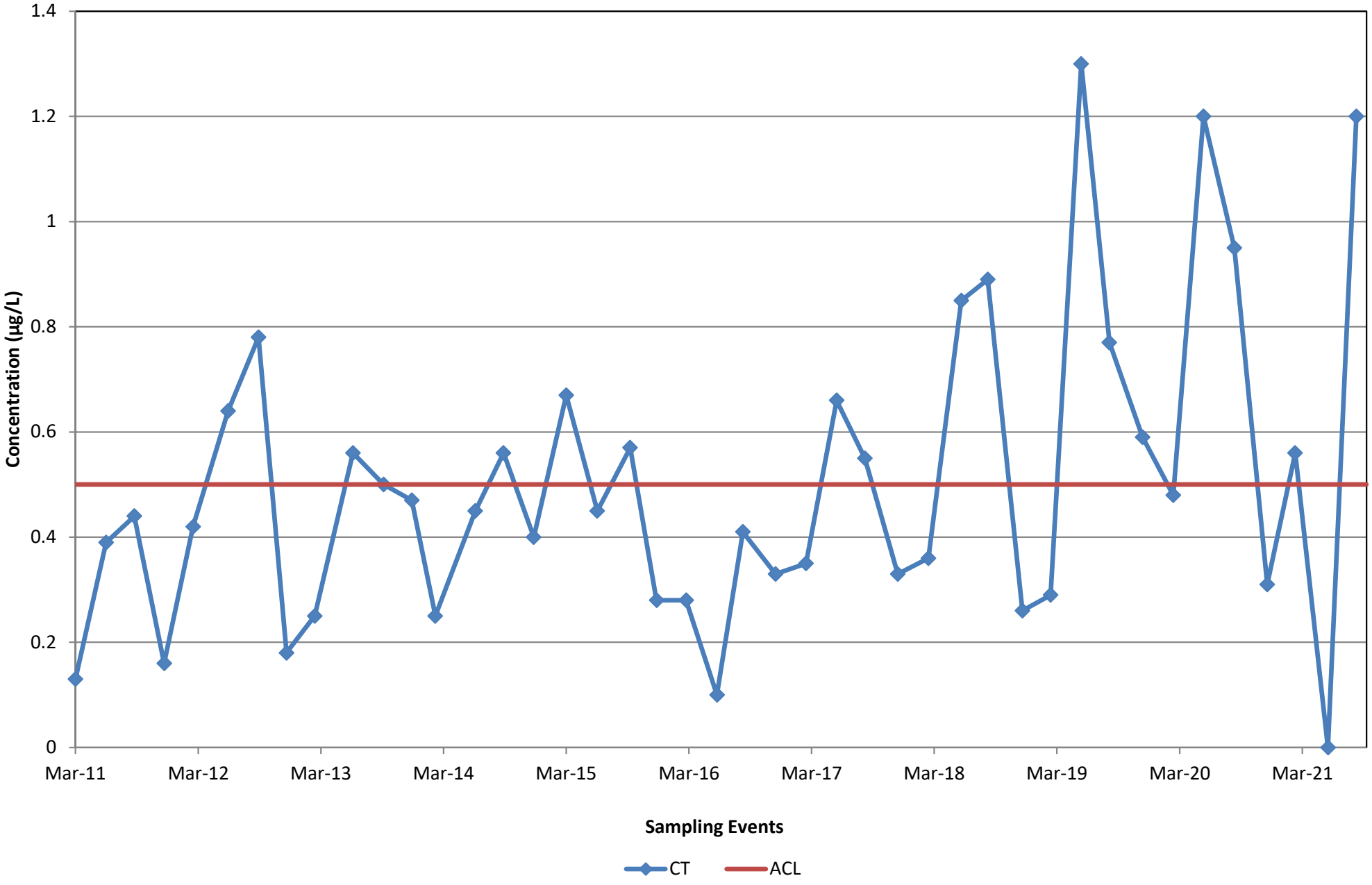
Ahtna

MP-BW-49-400
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B65



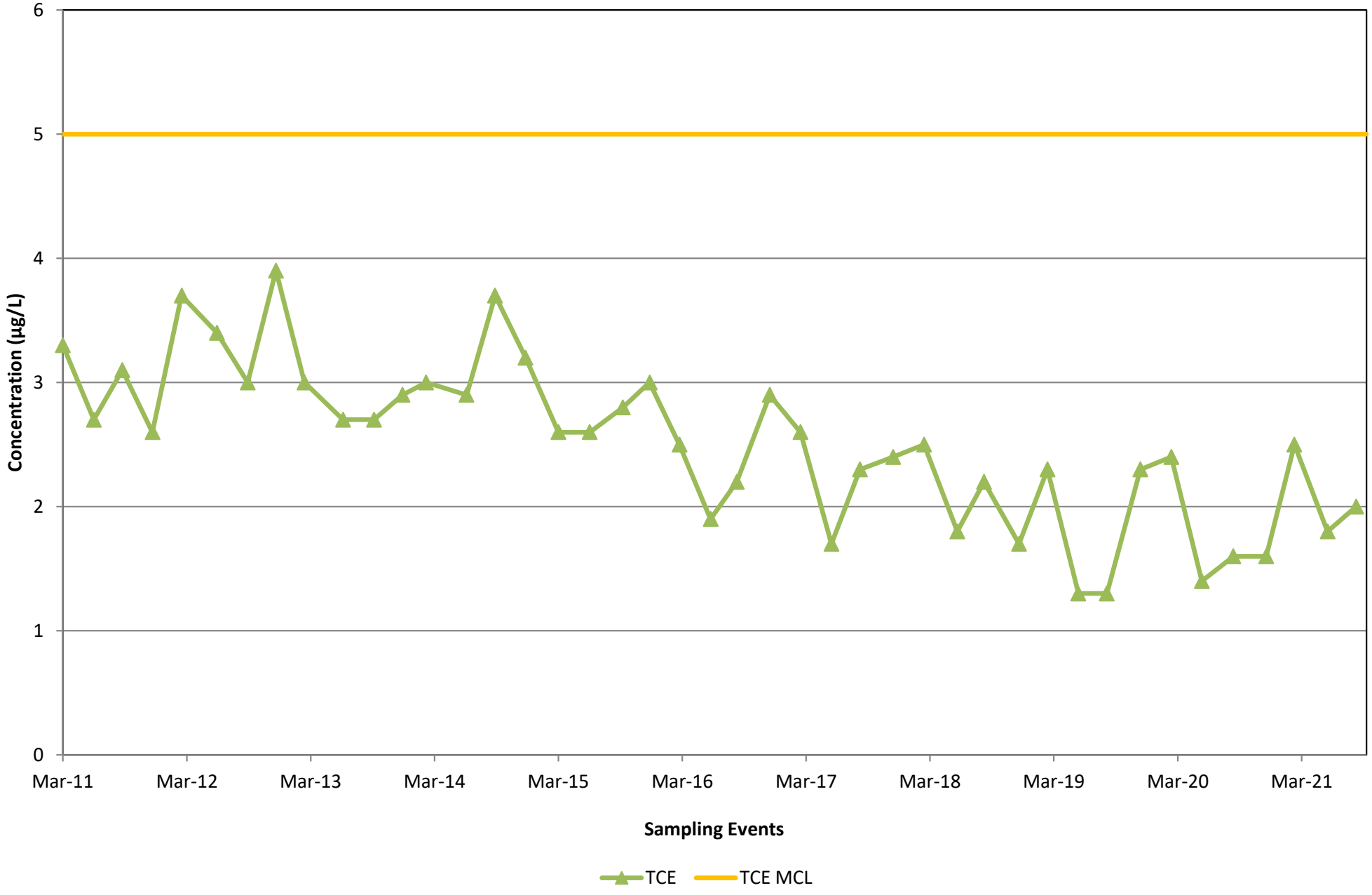
Ahtna

MP-BW-50-339
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B66



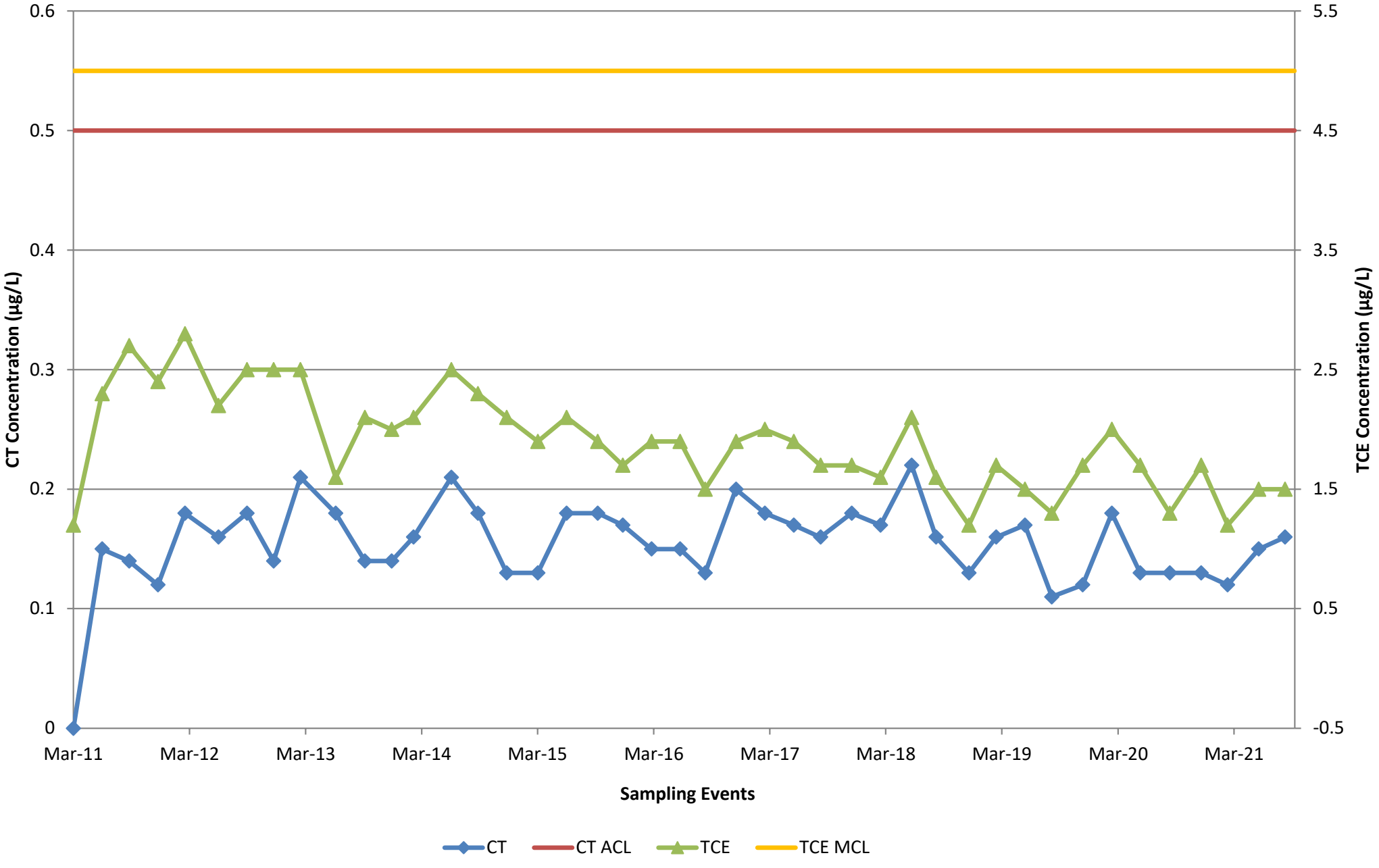
Ahtna

MP-BW-50-384
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B67



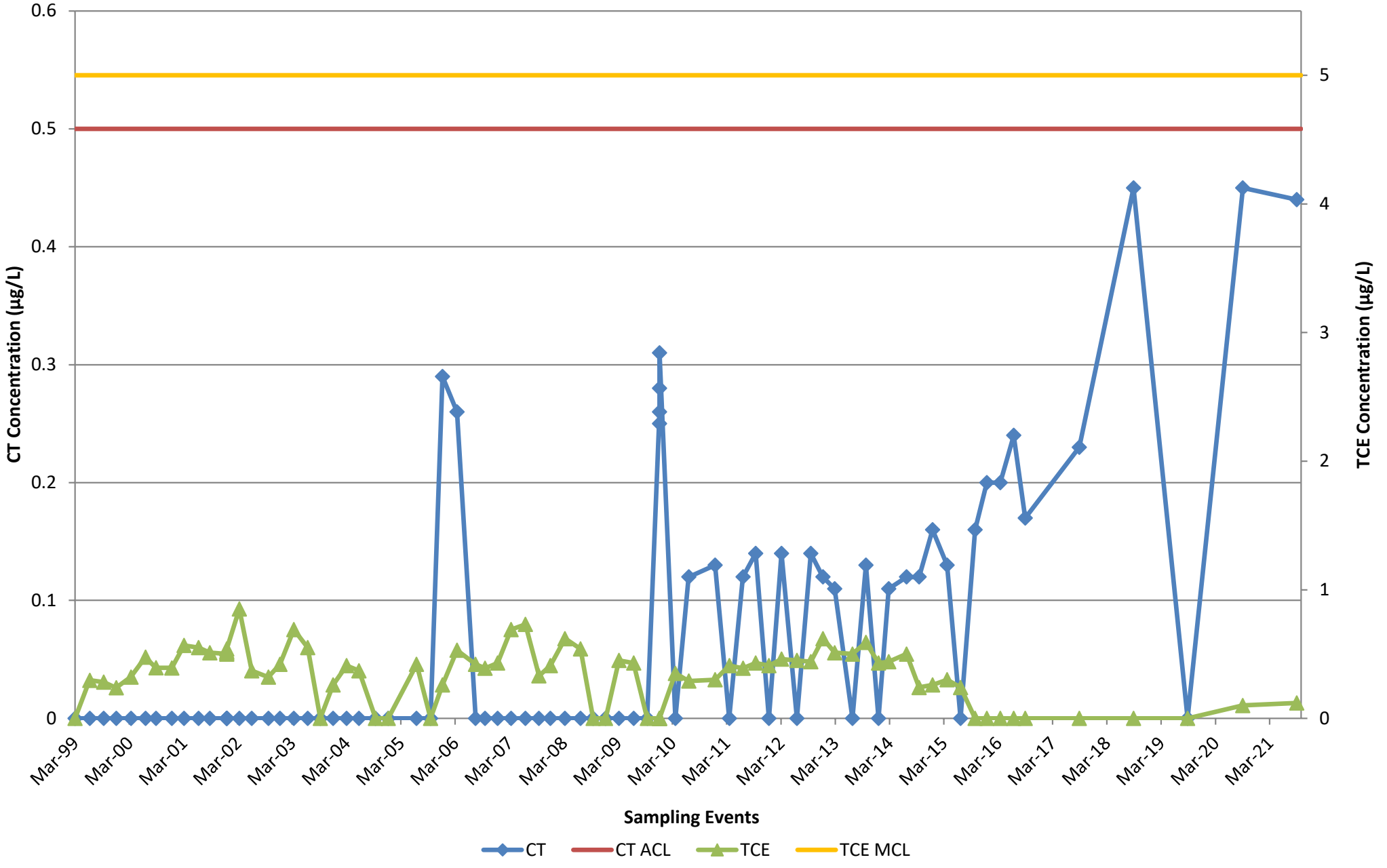
Ahtna

MP-BW-51-405
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B68



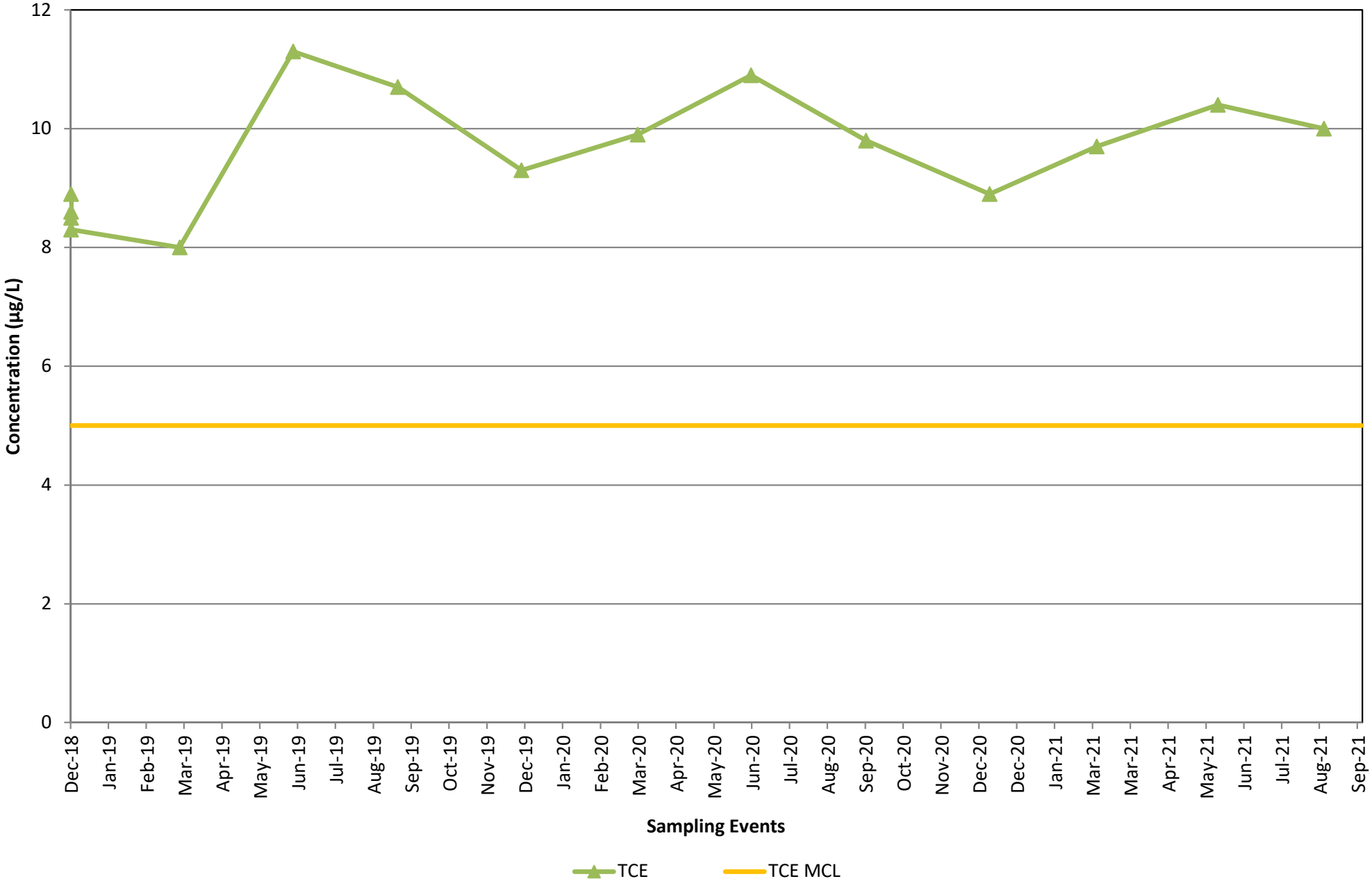
Ahtna

MW-BW-04-180
(northeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B69



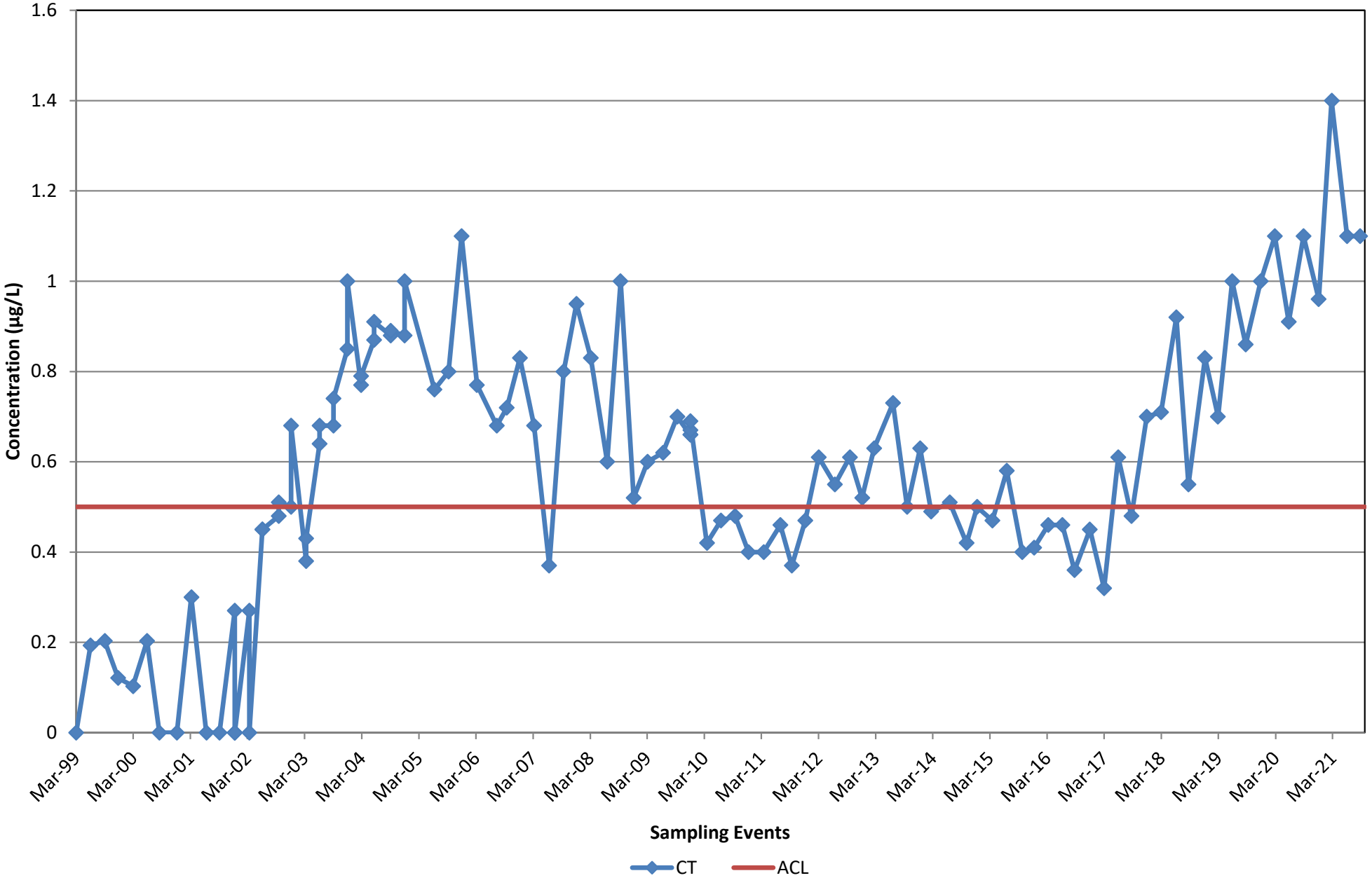
Ahtna

MW-BW-59-180
(southwest of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B70



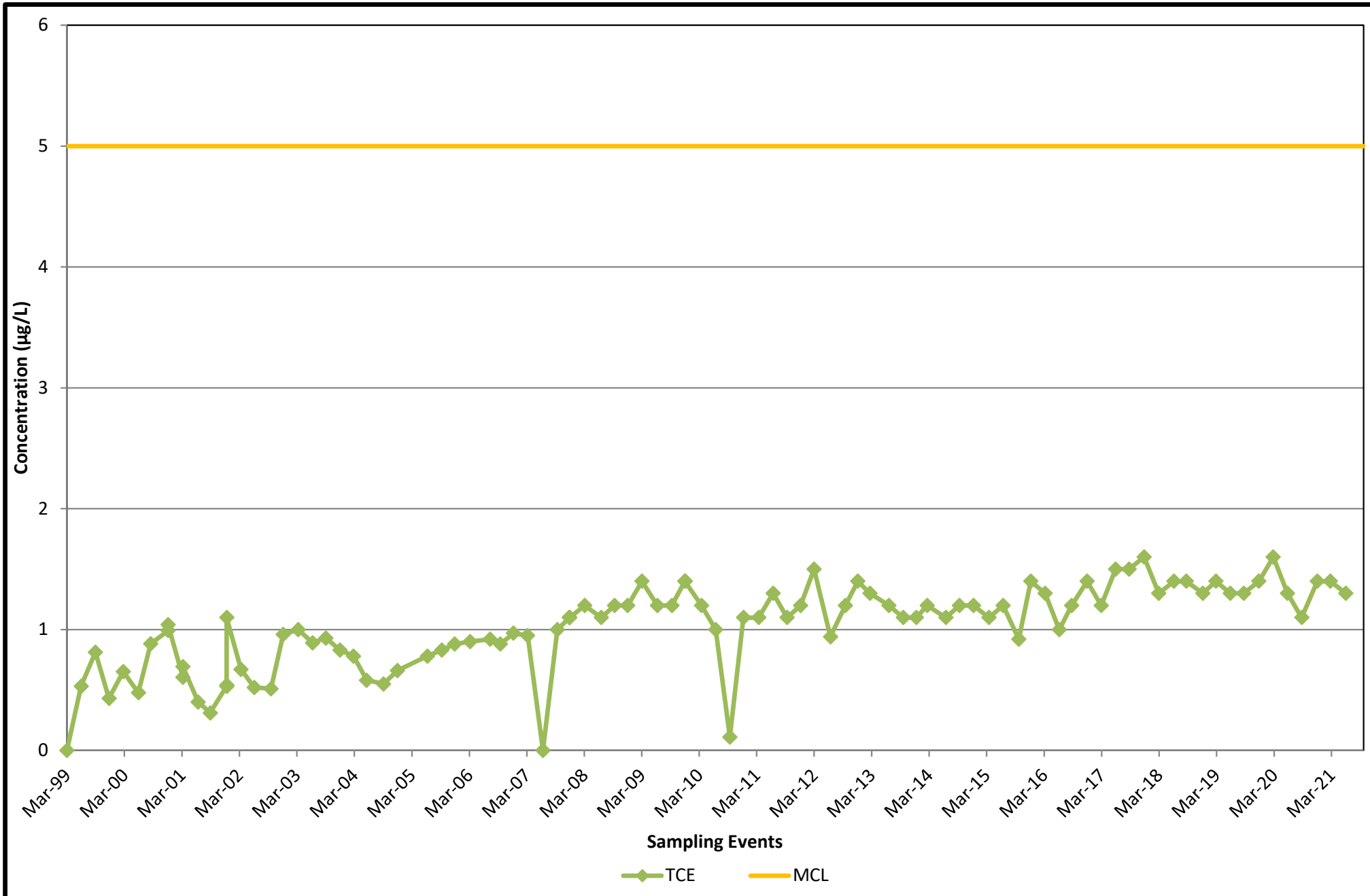
Ahtna

MW-OU2-69-180
(Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B71



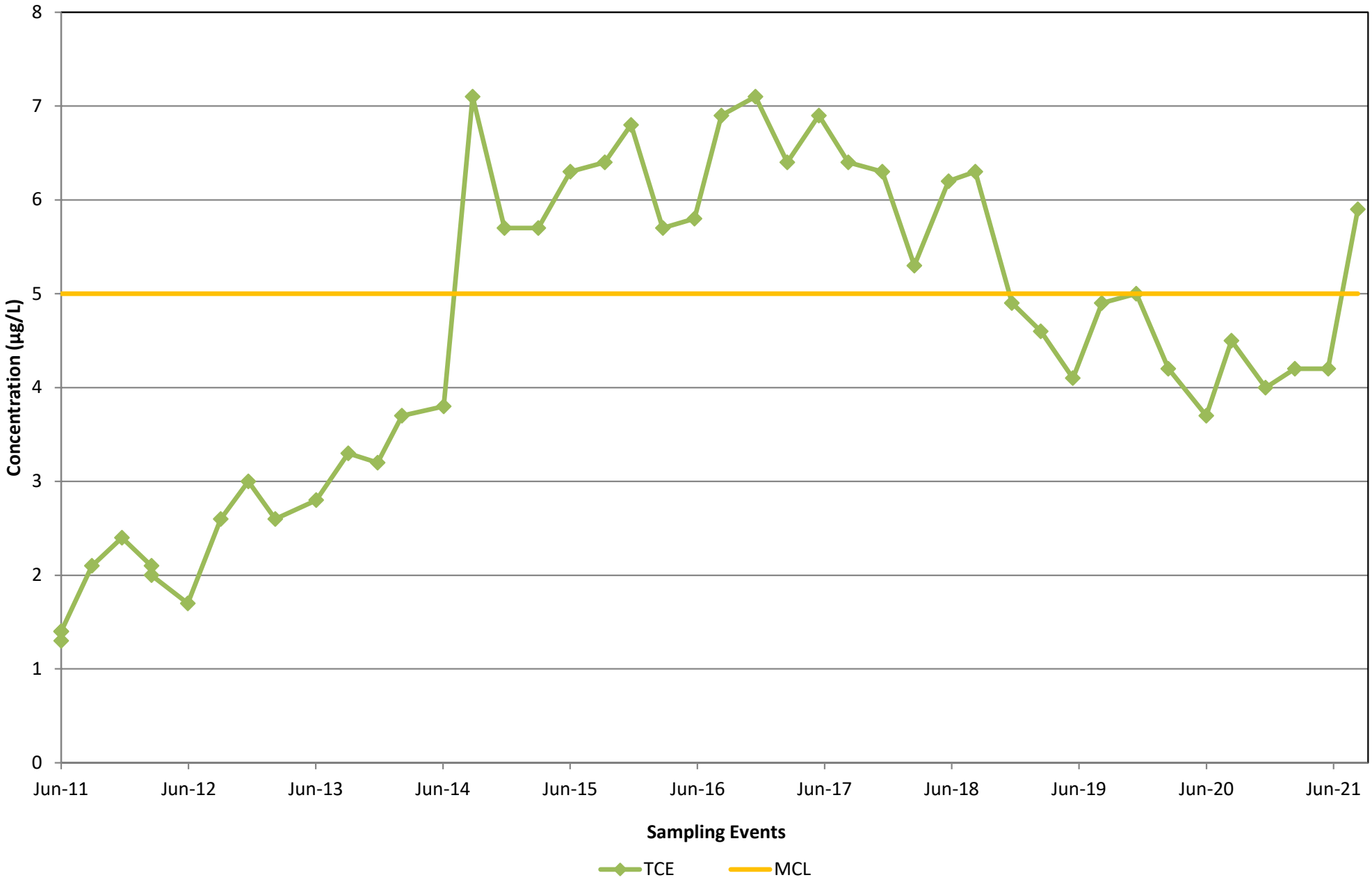
Ahtna

MW-OU2-72-180
(south of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B72



Ahtna

MW-OU2-82-180
(south of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B73

Appendix C

QAPP Sampling Frequency Recommended Changes

and Monitoring Well COC Trend Line Graphs

Table C1. QAPP Sampling Frequency Recommended Changes

Well ID	Current Schedule	Proposed Schedule	Trends Increasing?	Last time above CT ACL	Last time Sampled	Boundary Well for Plume	2021-3Q CT Concentration (µg/L)	Figure Number	Graph Number
A-Aquifer									
EISB-EW-03	D	R	N/A	2008-2Q	2017-3Q	N/A	N/A	35	N/A
EISB-MW-01	A	D	No	2011-4Q	2021-3Q	No	0.36 J	35	C1
EISB-MW-04	D	R	N/A	2013-2Q	2017-3Q	N/A	N/A	35	N/A
EW-BW-92-A	D	R	N/A	2009-4Q	2014-4Q	N/A	N/A	35	N/A
EW-BW-93-A	D	R	N/A	2009-4Q	2016-3Q	N/A	N/A	35	N/A
EW-BW-100-A	D	R	N/A	2010-4Q	2015-4Q	N/A	N/A	35	N/A
EW-BW-104-A	D	R	N/A	2011-1Q	2017-3Q	N/A	N/A	35	N/A
EW-BW-112-A	D	R	N/A	2010-4Q	2020-3Q	N/A	N/A	35	N/A
EW-BW-126-A	D	R	N/A	2011-3Q	2017-3Q	N/A	N/A	35	N/A
EW-BW-144-A	Q	A	No	2011-1Q	2021-3Q	Yes	ND (0.25)	35	C2
EW-BW-167-A	A	D	No	2017-3Q	2021-3Q	No	ND (0.25)	35	C3
MW-B-12-A	Q	A	No	2020-3Q	2021-3Q	No	0.23 J	35	C4
MW-BW-42-A	A	D	No	2014-4Q	2021-3Q	No	ND (0.25)	35	C5
MW-BW-49-A	Q	A	No	2020-1Q	2021-3Q	No	0.32 J	35	C6
MW-BW-56-A	Q	A	No	2019-3Q	2021-3Q	Yes	0.14 J	35	C7
MW-BW-58-A	Q	A	No	2020-3Q	2021-3Q	Yes	0.16 J	35	C8
MW-BW-86-A	A	D	No	2017-3Q	2021-3Q	No	0.16 J	35	C9
Upper 180-Foot Aquifer									
MP-BW-37-193	D	R	N/A	Never	2008-3Q	N/A	N/A	36	N/A
MP-BW-41-202	D	R	N/A	2013-1Q	2016-3Q	N/A	N/A	36	N/A
MP-BW-41-256	D	R	N/A	Never	2009-2Q	N/A	N/A	36	N/A
MP-BW-42-195	D	R	N/A	Never	2008-3Q	N/A	N/A	36	N/A
MP-BW-42-235	D	R	N/A	2015-2Q	2018-3Q	N/A	N/A	36	N/A
MP-BW-46-185	D	R	N/A	2007-2Q	2019-2Q	N/A	N/A	36	N/A
MP-BW-46-200	D	R	N/A	2010-1Q	2015-3Q	N/A	N/A	36	N/A
MP-BW-46-215	D	R	N/A	2005-2Q	2015-3Q	N/A	N/A	36	N/A
MW-BW-02-180	A	D	No	Never	2021-3Q	No	ND (0.25)	36	C10
Lower 180-Foot Aquifer									
MCWD-08-A	D	R	N/A	Never	2017-3Q	N/A	N/A	37	N/A
MP-BW-30-317	D	R	N/A	Never	2017-3Q	N/A	N/A	37	N/A
MP-BW-30-342	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-30-467	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-30-537	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-31-292	D	R	N/A	2015-1Q	2016-1Q	N/A	N/A	37	N/A
MP-BW-31-332	D	R	N/A	2013-4Q	2015-2Q	N/A	N/A	37	N/A
MP-BW-31-362	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-31-457	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-31-522	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-32-332	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-32-366	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-32-472	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-32-522	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A

Table C1. QAPP Sampling Frequency Recommended Changes

Well ID	Current Schedule	Proposed Schedule	Trends Increasing?	Last time above CT ACL	Last time Sampled	Boundary Well for Plume	2021-3Q CT Concentration (µg/L)	Figure Number	Graph Number
MP-BW-33-317	D	R	N/A	Never	2011-3Q	N/A	N/A	37	N/A
MP-BW-33-397	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-34-292	D	R	N/A	2004-4Q	2014-3Q	N/A	N/A	37	N/A
MP-BW-34-357	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-34-492	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-34-537	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-35-312	D	R	N/A	2011-4Q	2017-3Q	N/A	N/A	37	N/A
MP-BW-35-366	D	R	N/A	2012-1Q	2016-3Q	N/A	N/A	37	N/A
MP-BW-35-467	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-35-527	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-35-562	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-37-303	D	R	N/A	Never	2013-3Q	N/A	N/A	37	N/A
MP-BW-37-328	D	R	N/A	2012-3Q	2018-3Q	N/A	N/A	37	N/A
MP-BW-37-398	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-37-460	D	R	N/A	Never	2007-3Q	N/A	N/A	37	N/A
MP-BW-38-327	D	R	N/A	Never	2014-3Q	N/A	N/A	37	N/A
MP-BW-38-341	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-38-368	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-38-418	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-39-310	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-39-350	D	R	N/A	Never	2016-3Q	N/A	N/A	37	N/A
MP-BW-39-395	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-40-333	D	R	N/A	Never	2013-3Q	N/A	N/A	37	N/A
MP-BW-40-375	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-40-400	D	R	N/A	Never	2008-3Q	N/A	N/A	37	N/A
MP-BW-41-286	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-41-396	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-42-295	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-42-314	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-42-400	D	R	N/A	Never	2009-2Q	N/A	N/A	37	N/A
MP-BW-49-336	D	R	N/A	Never	2017-3Q	N/A	N/A	37	N/A
MP-BW-50-289	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-50-309	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-50-359	D	R	N/A	Never	2017-3Q	N/A	N/A	37	N/A
MP-BW-51-315	D	R	N/A	Never	2015-3Q	N/A	N/A	37	N/A
MP-BW-51-340	D	R	N/A	Never	2016-3Q	N/A	N/A	37	N/A
MP-BW-51-370	D	R	N/A	Never	2017-3Q	N/A	N/A	37	N/A
MP-BW-52-323	D	R	N/A	2015-2Q	2018-3Q	N/A	N/A	37	N/A
MP-BW-52-338	D	R	N/A	Never	2016-3Q	N/A	N/A	37	N/A
MP-BW-52-388	D	R	N/A	Never	2016-3Q	N/A	N/A	37	N/A
MP-BW-52-408	D	R	N/A	Never	2014-3Q	N/A	N/A	37	N/A
MW-BW-03-400	D	R	N/A	Never	2010-3Q	N/A	N/A	37	N/A
MW-OU2-28-400	D	R	N/A	Never	2019-2Q	N/A	N/A	37	N/A

Table C1. QAPP Sampling Frequency Recommended Changes

Well ID	Current Schedule	Proposed Schedule	Trends Increasing?	Last time above CT ACL	Last time Sampled	Boundary Well for Plume	2021-3Q CT Concentration (µg/L)	Figure Number	Graph Number
MW-OU2-68-180	R	X	N/A	Never	2003-1Q	N/A	N/A	37	N/A
MW-OU2-71-180	D	R	N/A	Never	2003-2Q	N/A	N/A	37	N/A

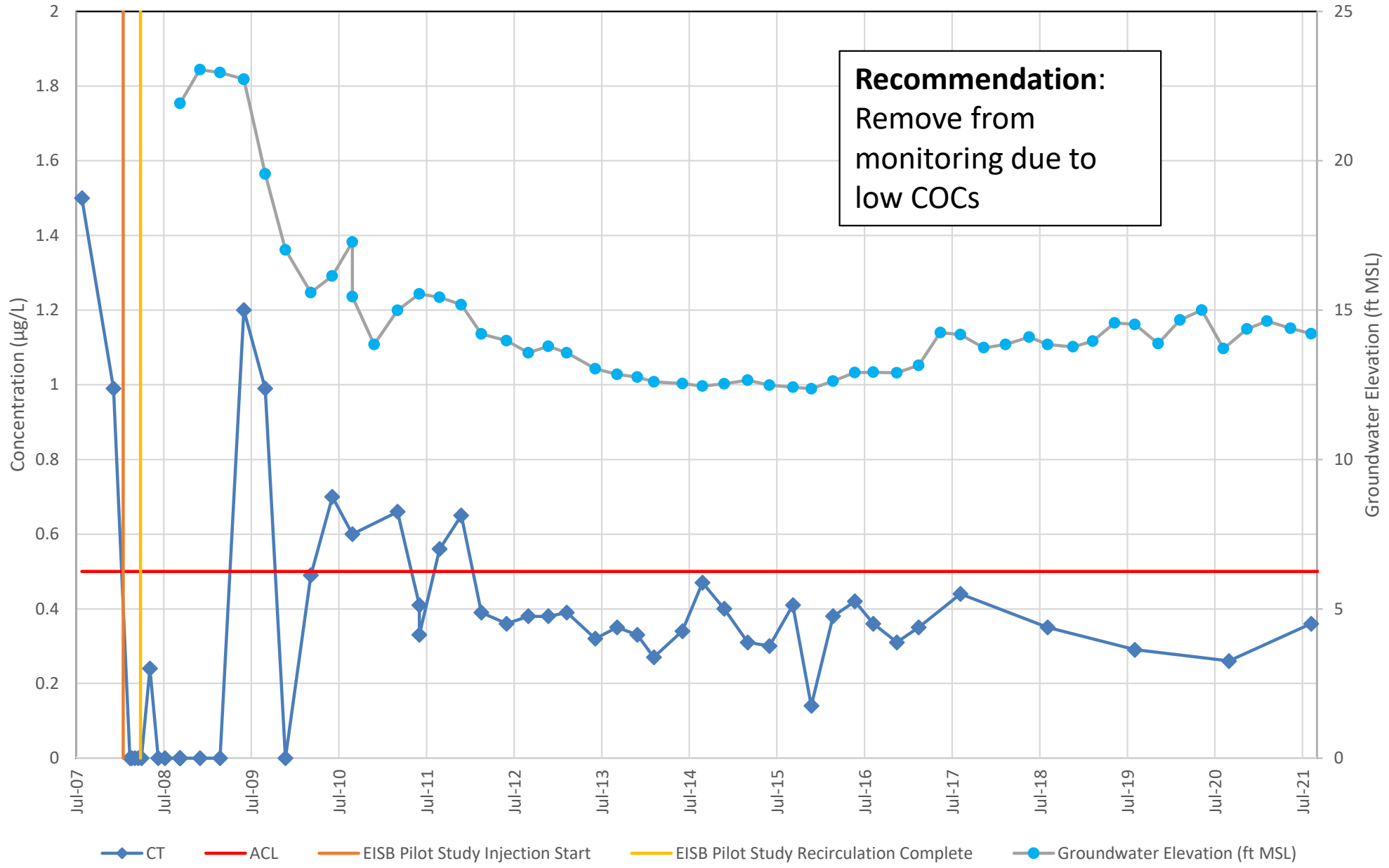
Notes:

Results in gray are not detected concentrations (result reported as <limit of detection [LOD]).

Acronyms and Abbreviations:

µg/L: micrograms per liter
A: annual sampling
ACL: aquifer cleanup level
CT: carbon tetrachloride
D: depth-to-water only
N/A: not applicable
ND: not detected above the LOD
Nearby: other adjacent well
Q: quarterly sampling
R: remove from QAPP, not sampled and depth to water not needed
X: recommend decommission

J: Laboratory qualifier, estimated result between the detection limit (DL) and the limit of quantification (LOQ) with a possible high (+) or low (-) bias.



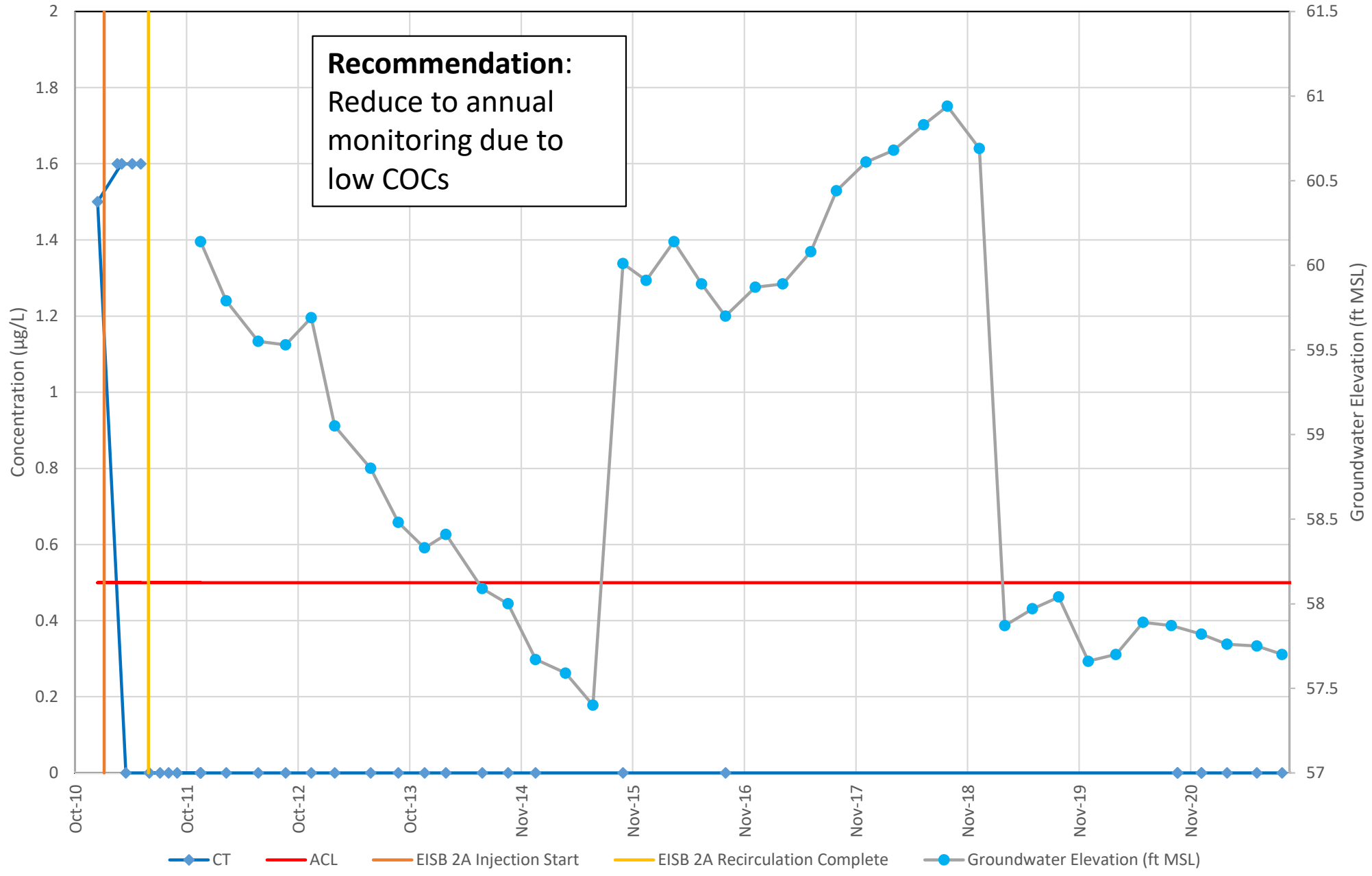
Ahtna

EISB-MW-01

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C1



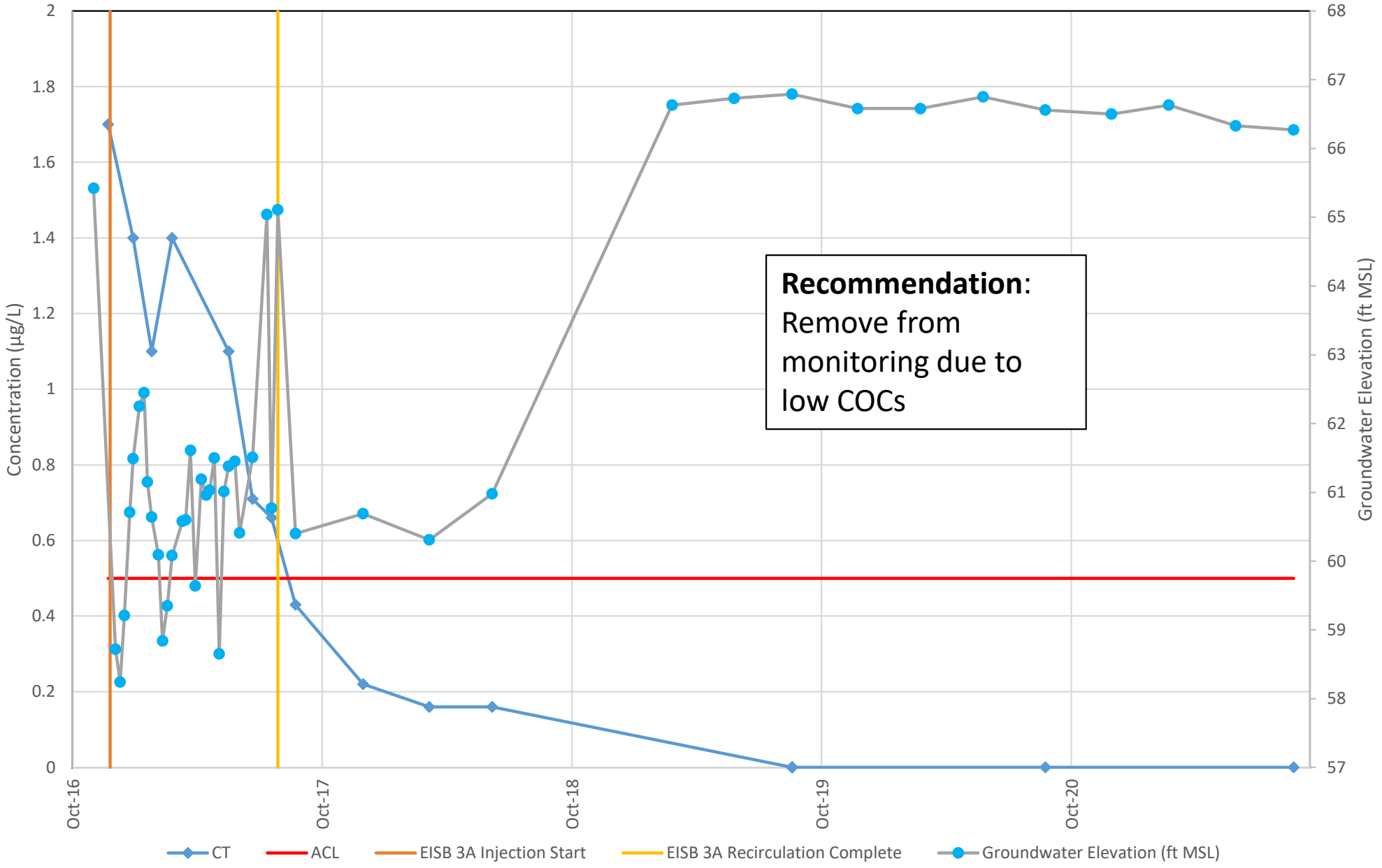
Ahtna

EW-BW-144-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C2



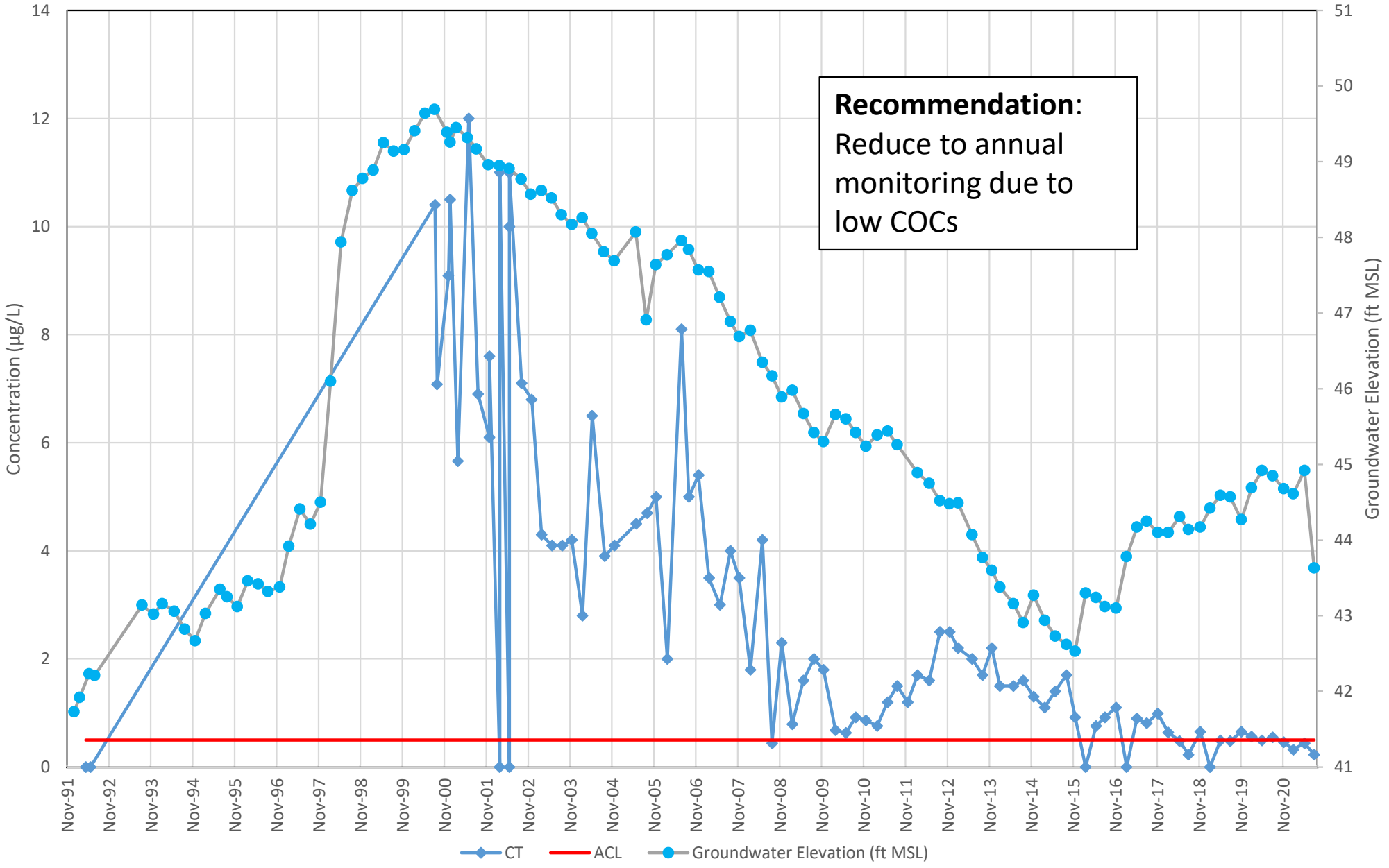
Ahtna

EW-BW-167-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C3



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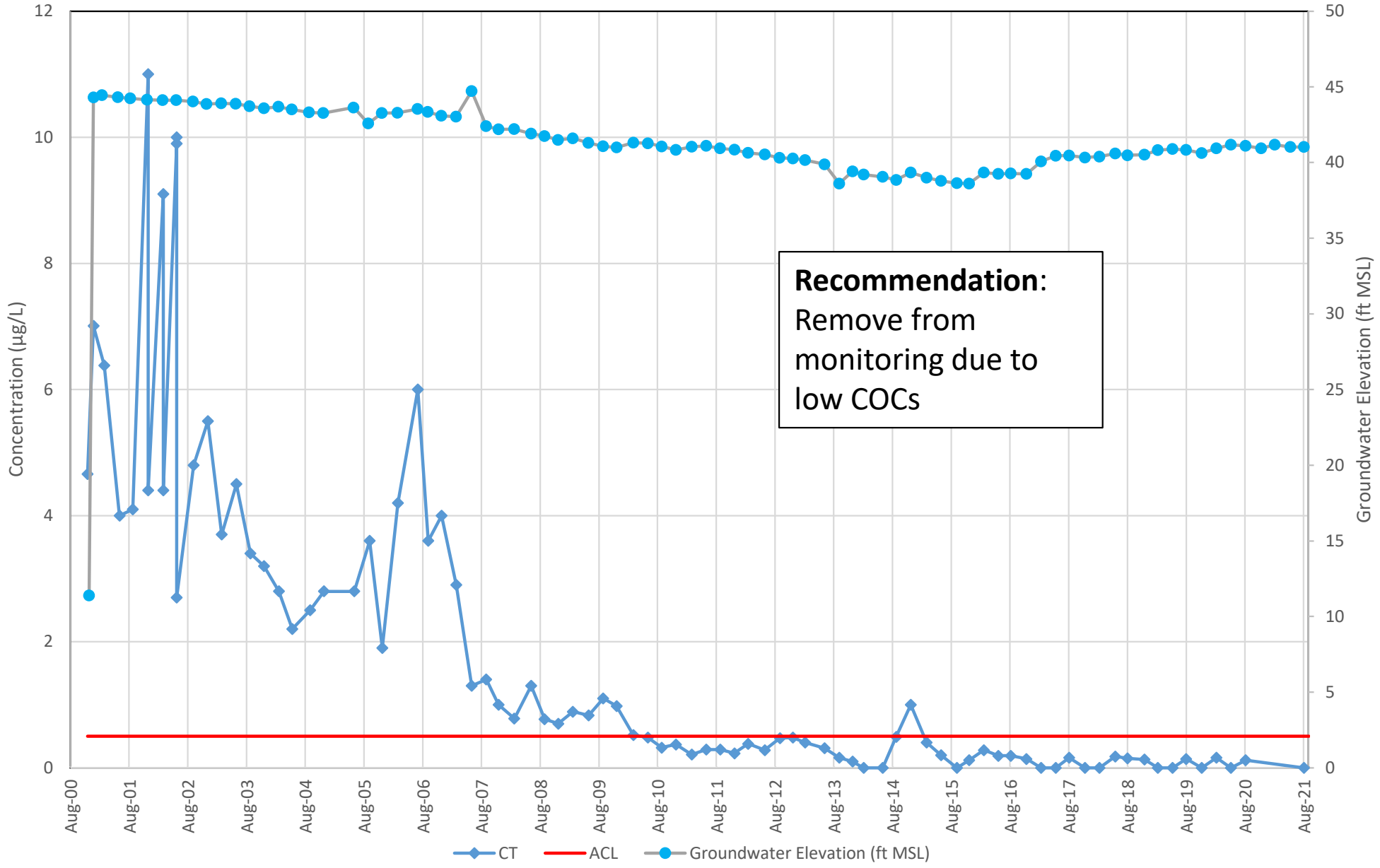
MW-B-12-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C4



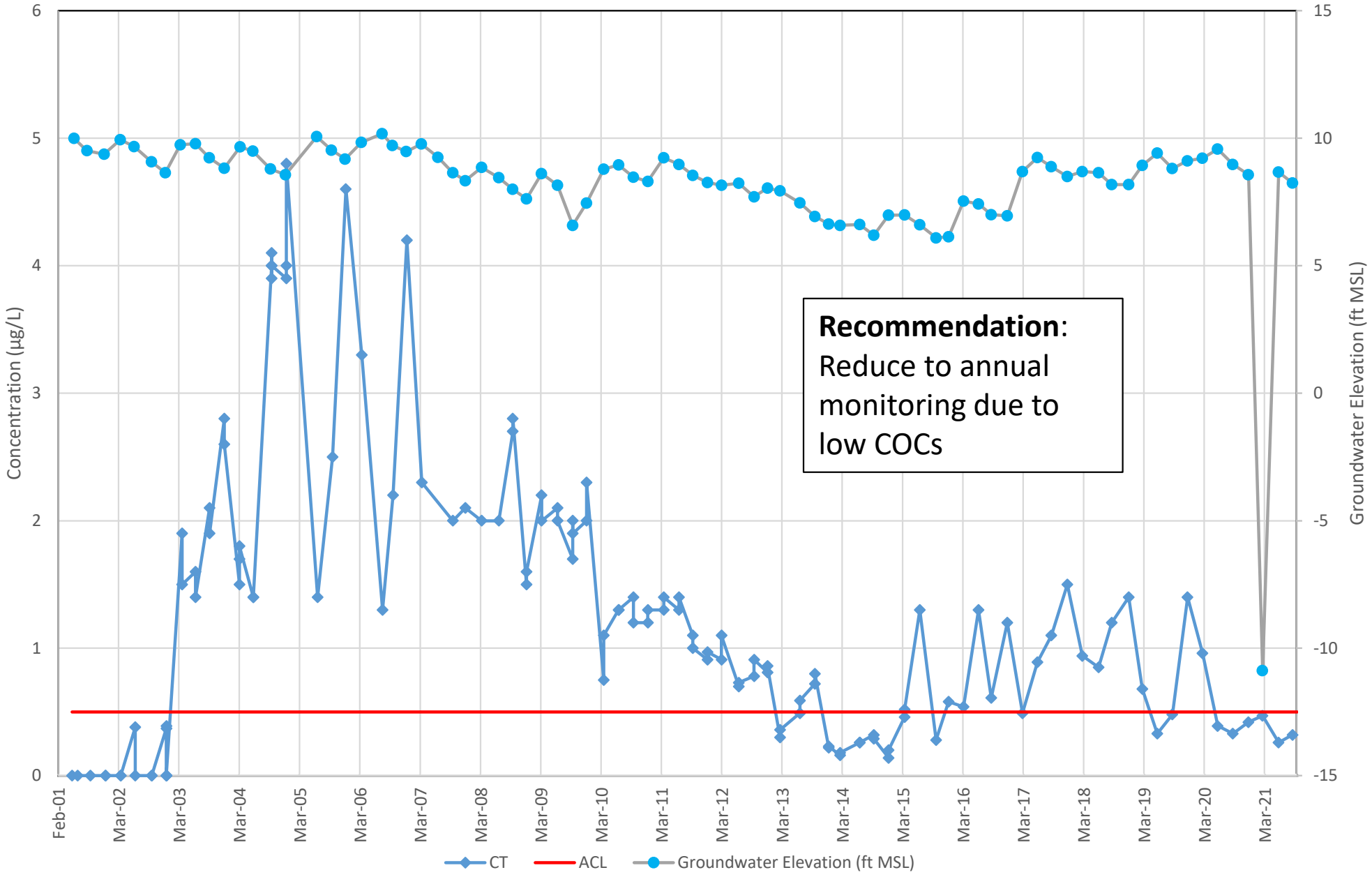
Ahtna

MW-BW-42-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C5



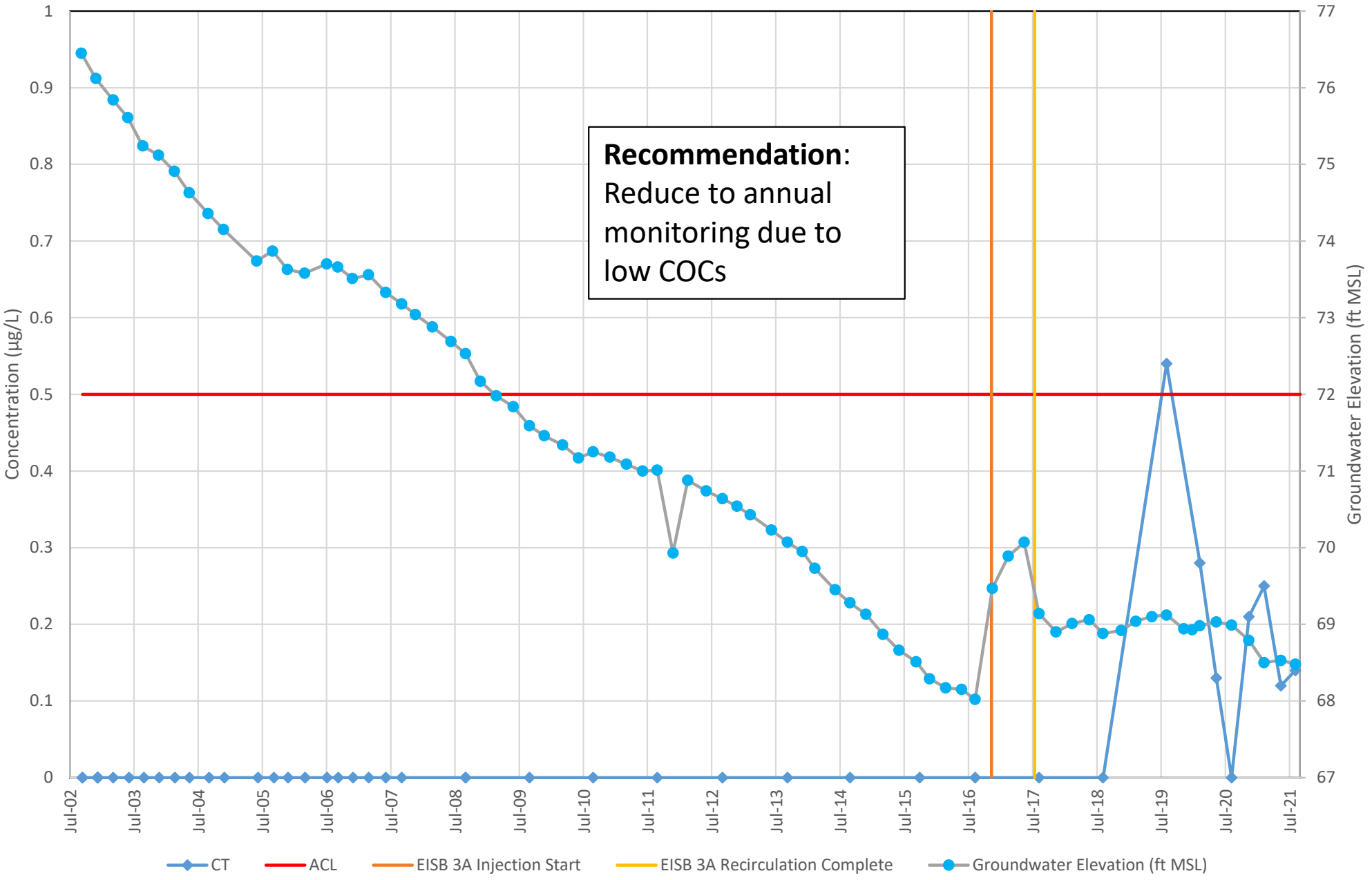
Ahtna

MW-BW-49-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C6



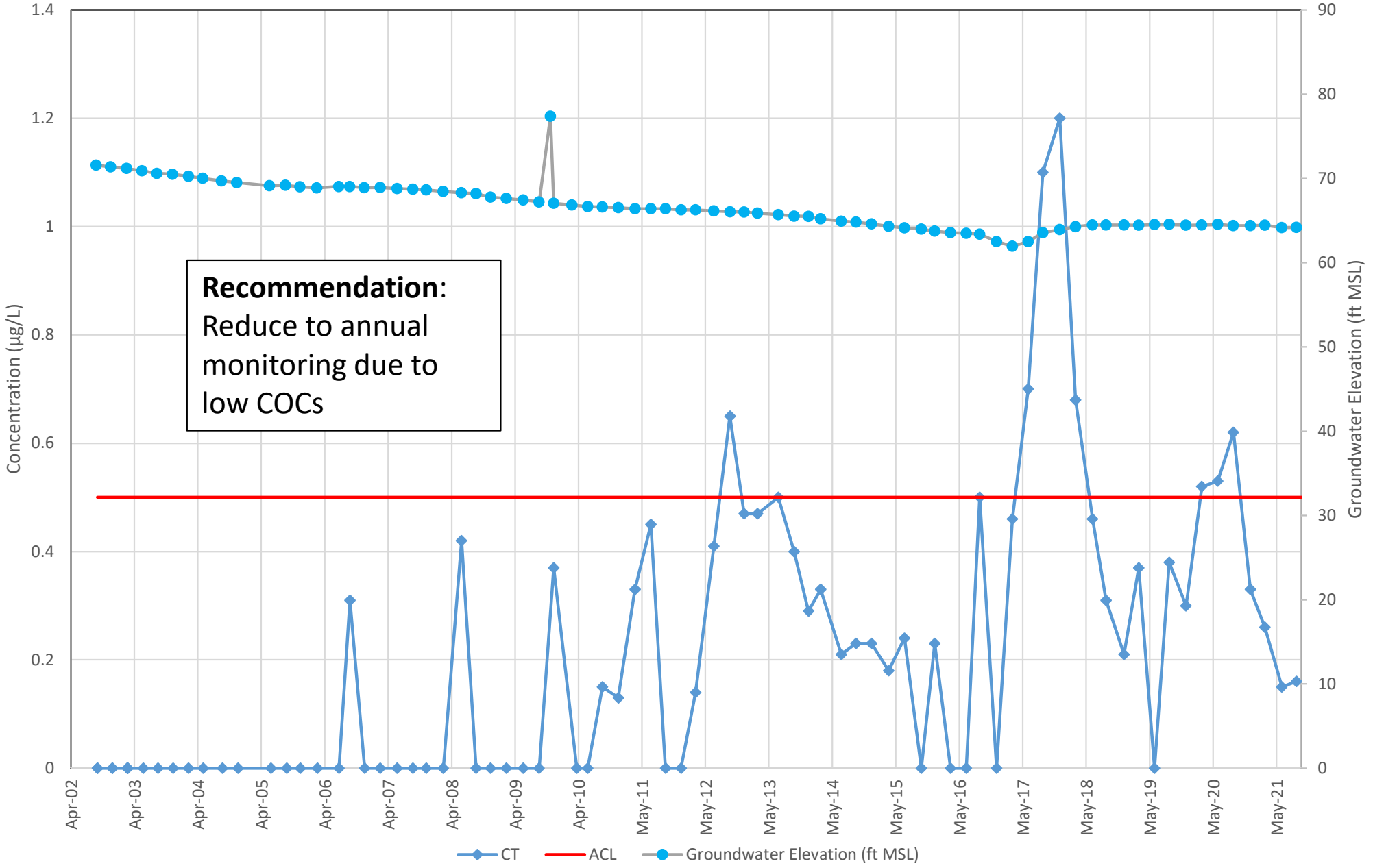
Ahtna

MW-BW-56-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C7



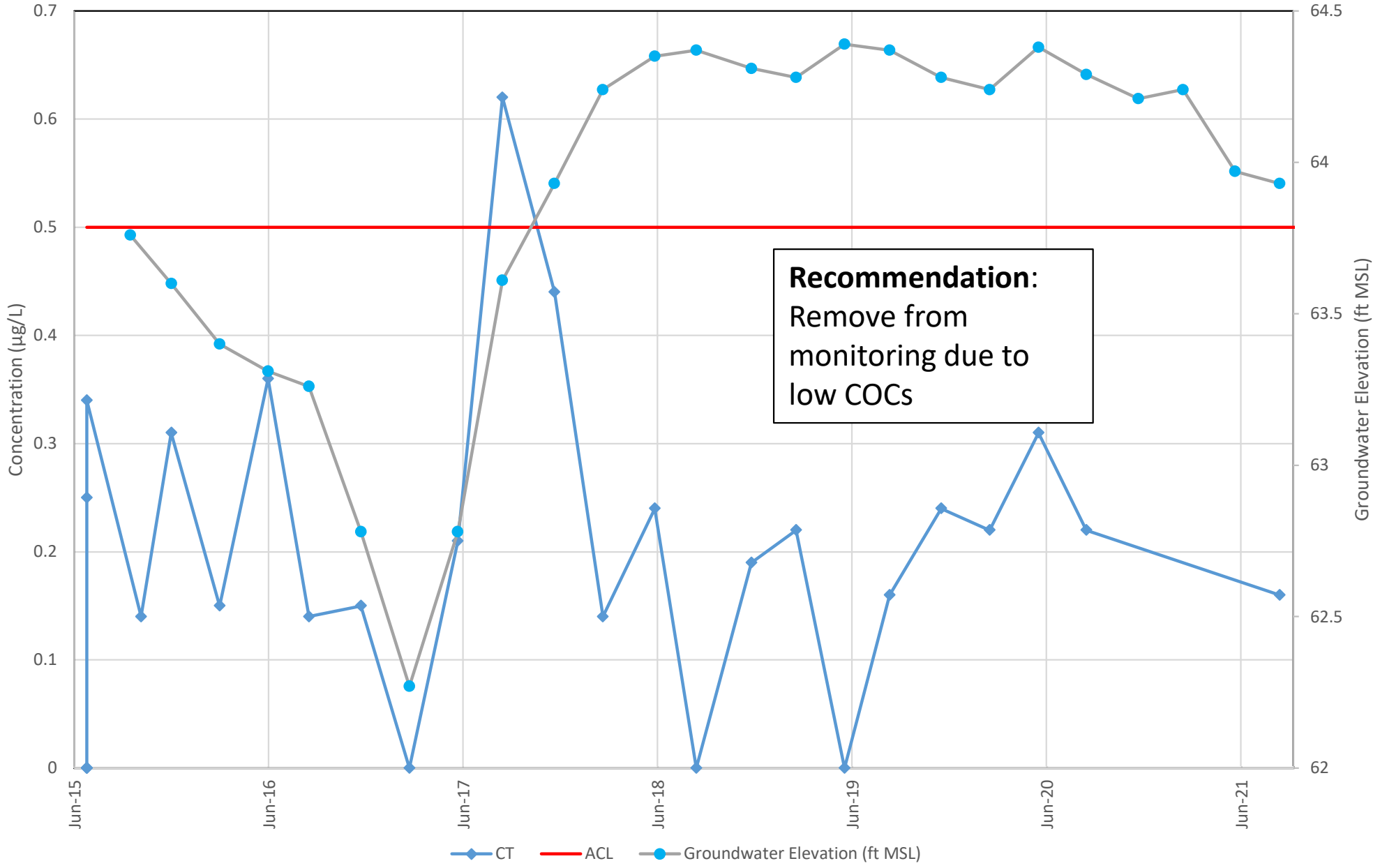
Ahtna

MW-BW-58-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C8



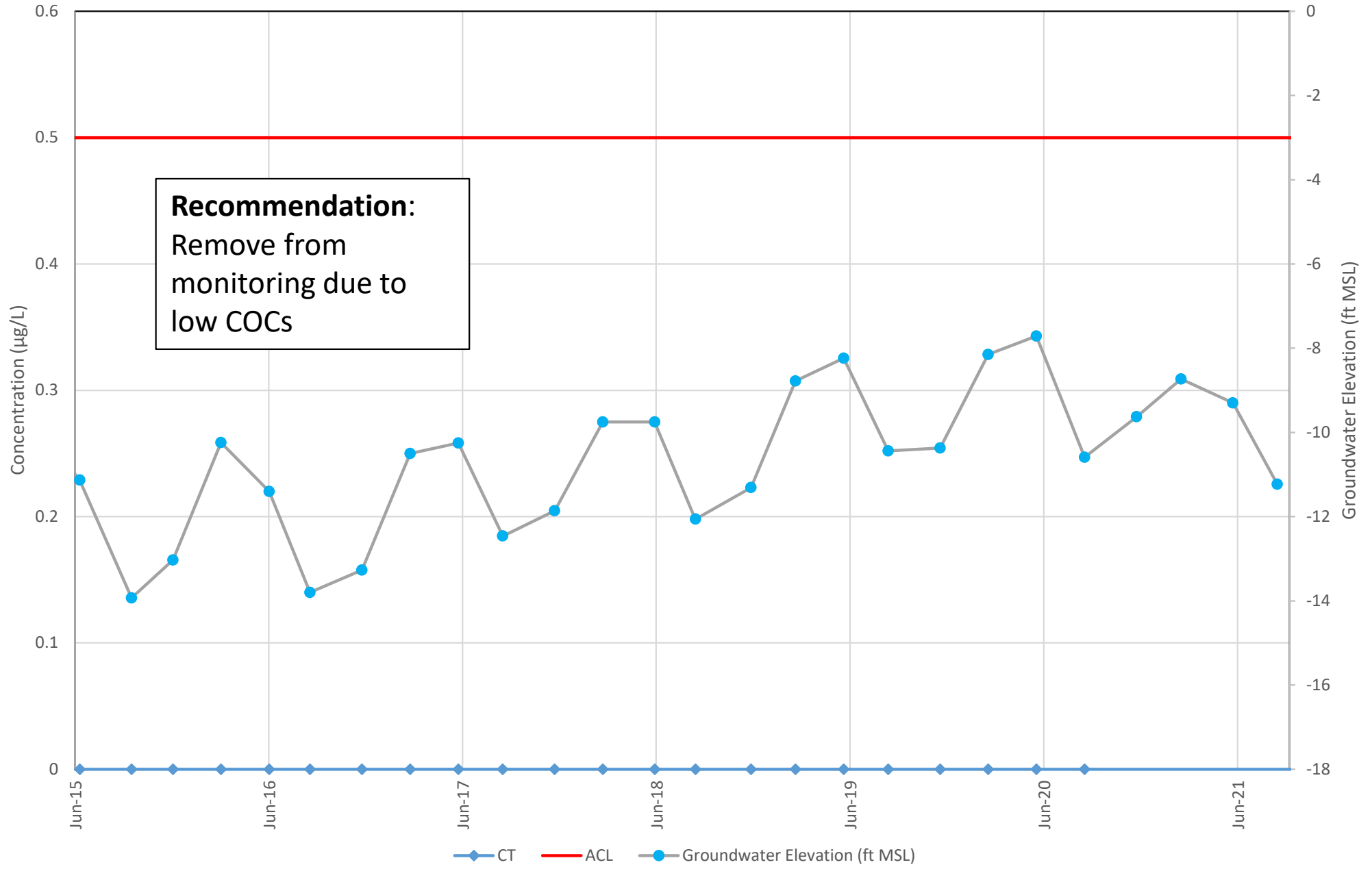
Ahtna

MW-BW-86-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C9



Ahtna

MW-BW-02-180

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2020 through Third Quarter 2021
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C10