

SECTION 4.0
TABLES AND PLATES

**Table 4.1a. Statistical Data Summary of Chemicals Detected in Surface Soil (0 to 2 feet bgs)
Sites 16 and 17, DOL Maintenance Yard
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Antimony	1	3	33.3	6.90E-01	--	6.90E-01	--	3.80E-01	2.70E-01	9.10E-01	6.90E-01
Arsenic	3	3	100.0	1.80E+00	--	2.23E+01	--	8.73E+00	1.18E+01	3.18E+01	2.23E+01
B(a)P-TE	1	3	33.3	2.30E-05	--	2.30E-05	--	2.15E-05	1.30E-03	2.30E-05	2.30E-05
Cadmium	1	3	33.3	2.40E+00	--	2.40E+00	--	1.10E+00	1.13E+00	3.31E+00	2.40E+00
Chromium /a/	3	3	100.0	1.02E+01	--	3.17E+01	--	1.80E+01	1.19E+01	4.13E+01	3.17E+01
Copper	3	3	100.0	6.80E+00	--	5.31E+01	--	3.39E+01	2.41E+01	8.12E+01	5.31E+01
Lead	3	3	100.0	3.40E+00	--	9.84E+01	--	4.12E+01	5.04E+01	1.40E+02	9.84E+01
Mercury	1	3	33.3	3.40E-01	--	3.40E-01	--	1.30E-01	1.80E-01	4.90E-01	3.40E-01
Nickel	2	3	66.7	6.00E+00	--	1.03E+01	--	6.27E+00	3.91E+00	1.39E+01	1.03E+01
TCDD-TE	3	3	100.0	2.00E-08	--	5.76E-06	--	2.09E-06	3.19E-06	8.33E-06	5.76E-06
Total cPAH	1	3	33.3	2.30E-03	--	2.30E-03	--	2.15E-03	1.30E-04	2.41E-03	2.30E-03

bgs Below ground surface.
mg/kg Milligrams per kilogram.
6.90E-01 6.90 x 10⁻¹.
-- Not applicable.

/a/ No samples were analyzed for hexavalent chromium.

**Table 4.1b. Statistical Data Summary of Chemicals Detected in Subsurface Soil (2 to 10 feet bgs)
Sites 16 and 17, DOL Maintenance Yard
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	1	8	12.5	7.70E-02	5.50	7.70E-02	5.50	1.44E-02	2.53E-02	6.40E-02	6.40E-02
Arsenic	7	8	87.5	4.10E-01	5.50	1.70E+00	5.50	1.06E+00	5.40E-01	2.11E+00	1.70E+00
Beryllium	2	8	25.0	2.00E-01	5.00	2.10E-01	9.00	1.20E-01	5.00E-02	2.20E-01	2.10E-01
Bis(2-ethylhexyl)phthalate	1	9	11.1	3.90E+00	3.00	3.90E+00	3.00	1.15E+00	1.31E+00	3.72E+00	3.72E+00
Chromium /a/	8	8	100.0	1.38E+01	9.00	2.13E+01	5.50	1.62E+01	2.38E+00	2.08E+01	2.08E+01
Copper	8	8	100.0	2.30E+00	9.00	3.40E+00	5.50	2.91E+00	4.00E-01	3.69E+00	3.40E+00
Di-n-butylphthalate	1	9	11.1	9.50E-02	3.00	9.50E-02	3.00	7.25E-01	8.42E-01	2.37E+00	9.50E-02
Dibenzofuran	1	9	11.1	4.10E-01	3.00	4.10E-01	3.00	5.96E-01	7.64E-01	2.09E+00	4.10E-01
Fluorene	2	9	22.2	6.70E-01	6.00	1.10E+00	3.00	4.69E-01	3.75E-01	1.20E+00	1.10E+00
Lead	7	8	87.5	1.90E+00	9.00	3.80E+00	5.50	2.73E+00	1.01E+00	4.71E+00	3.80E+00
Methyl ethyl ketone	1	8	12.5	2.70E-02	5.50	2.70E-02	5.50	8.19E-03	7.60E-03	2.31E-02	2.31E-02
2-Methylnaphthalene	4	9	44.4	1.70E+00	7.50	8.60E+00	3.00	2.42E+00	3.55E+00	9.38E+00	8.60E+00
Naphthalene	4	9	44.4	7.00E-01	6.50	3.70E+00	6.00	8.72E-01	1.17E+00	3.17E+00	3.17E+00
Nickel	8	8	100.0	6.70E+00	9.00	1.40E+01	5.50	9.59E+00	2.45E+00	1.44E+01	1.40E+01
Phenanthrene	3	9	33.3	1.90E-01	6.50	1.80E+00	3.00	5.38E-01	5.96E-01	1.71E+00	1.71E+00
Zinc	8	8	100.0	7.40E+00	5.00	9.60E+00	5.50	8.63E+00	8.40E-01	1.03E+01	9.60E+00

bgs Below ground surface.
mg/kg Milligrams per kilogram.
7.70E-02 7.70 x 10⁻².

/a/ No samples were analyzed for hexavalent chromium.

**Table 4.1c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	1	8	12.5	7.70E-02	5.50	7.70E-02	5.50	1.44E-02	2.53E-02	6.40E-02	6.40E-02
Antimony	1	11	9.1	6.90E-01	--	6.90E-01	--	2.26E+00	1.28E+00	4.77E+00	6.90E-01
Arsenic	10	11	90.9	4.10E-01	5.50	2.23E+01	--	3.15E+00	6.38E+00	1.57E+01	1.57E+01
B(a)P-TE	1	3	33.3	2.30E-05	--	2.30E-05	--	2.15E-05	1.30E-03	2.30E-05	2.30E-05
Beryllium	2	11	18.2	2.00E-01	5.00	2.10E-01	9.00	1.20E-01	5.00E-02	2.00E-01	2.00E-01
Bis(2-ethylhexyl)phthalate	1	9	11.1	3.90E+00	3.00	3.90E+00	3.00	1.15E+00	1.31E+00	3.72E+00	3.72E+00
Cadmium	1	11	9.1	2.40E+00	--	2.40E+00	--	5.20E-01	6.30E-01	1.75E+00	1.75E+00
Chromium /a/	11	11	100.0	1.02E+01	--	3.17E+01	--	1.67E+01	5.74E+00	2.79E+01	2.79E+01
Copper	11	11	100.0	2.30E+00	9.00	5.31E+01	--	1.14E+01	1.81E+01	4.68E+01	4.68E+01
Di-n-butylphthalate	1	9	11.1	9.50E-02	3.00	9.50E-02	3.00	7.25E-01	8.42E-01	2.37E+00	9.50E-02
Dibenzofuran	1	9	11.1	4.10E-01	3.00	4.10E-01	3.00	5.96E-01	7.64E-01	2.09E+00	4.10E-01
Fluorene	2	12	16.7	6.70E-01	6.00	1.10E+00	3.00	3.57E-01	3.79E-01	1.10E+00	1.10E+00
Lead	10	11	90.9	1.90E+00	9.00	9.84E+01	--	1.32E+01	2.88E+01	6.97E+01	6.97E+01
Mercury	1	11	9.1	3.40E-01	--	3.40E-01	--	8.00E-02	9.00E-02	2.50E-01	2.50E-01
Methyl ethyl ketone	1	8	12.5	2.70E-02	5.50	2.70E-02	5.50	8.19E-03	7.60E-03	2.31E-02	2.31E-02
2-Methylnaphthalene	4	9	44.4	1.70E+00	7.50	8.60E+00	3.00	2.42E+00	3.55E+00	9.38E+00	8.60E+00
Naphthalene	4	12	33.3	7.00E-01	6.50	3.70E+00	6.00	7.06E-01	1.05E+00	2.76E+00	2.76E+00

**Table 4.1c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Nickel	10	11	90.9	6.00E+00	--	1.40E+01	5.50	8.68E+00	3.11E+00	1.48E+01	1.40E+01
Phenanthrene	3	12	25.0	1.90E-01	6.50	1.80E+00	3.00	4.19E-01	5.51E-01	1.50E+00	1.50E+00
TCDD-TE	3	3	100.0	2.00E-08	--	5.76E-06	--	2.09E-06	3.19E-06	8.33E-06	5.76E-06
Total cPAH	1	3	33.3	2.30E-03	--	2.30E-03	--	2.15E-03	1.30E-04	2.41E-03	2.30E-03
Zinc	8	11	72.7	7.40E+00	5.00	9.60E+00	5.50	1.53E+01	1.48E+01	4.43E+01	9.60E+00

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 7.70E-02 7.70×10^{-2} .
 -- Not applicable.

/a/ No samples were analyzed for hexavalent chromium.

**Table 4.1d. Statistical Data Summary of Chemicals Detected in Deep Soil (> 10 feet bgs)
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Arsenic	9	13	69.2	8.50E-01	20.50	2.00E+00	20.50	1.10E+00	5.80E-01	2.23E+00	2.00E+00
Beryllium	6	13	46.2	2.10E-01	20.50	4.30E-01	15.50	1.70E-01	1.00E-01	3.60E-01	3.60E-01
Chromium /a/	13	13	100.0	8.00E+00	20.50	2.43E+01	15.50	1.43E+01	4.15E+00	2.24E+01	2.24E+01
Copper	6	13	46.2	2.00E+00	15.50	4.30E+00	15.50	1.73E+00	1.07E+00	3.82E+00	3.82E+00
Lead	10	13	76.9	1.10E+00	20.50	2.60E+00	10.50	1.46E+00	6.20E-01	2.67E+00	2.60E+00
Nickel	13	13	100.0	6.70E+00	10.50	1.53E+01	15.50	1.08E+01	2.23E+00	1.51E+01	1.51E+01
Zinc	13	13	100.0	4.00E+00	20.50	1.05E+01	15.50	7.07E+00	1.73E+00	1.05E+01	1.05E+01

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 8.50E-01 8.50×10^{-1} .

/a/ No samples were analyzed for hexavalent chromium.

**Table 4.2a. Statistical Data Summary of Chemicals Detected In Surface Soil (0 to 2 feet bgs)
Sites 16 and 17, Pete's Pond
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	9	10	90.0	6.60E-02	--	2.80E-02	1.50	1.24E-02	6.85/1000	2.58E-02	2.58E-02
Antimony	1	14	7.1	6.70E-01	--	6.70E-01	--	2.12E+00	1.18E+00	4.44E+00	6.70E-01
Arsenic	14	14	100.0	5.50E-01	--	3.70E+00	--	1.56E+00	8.70E-01	3.27E+00	3.27E+00
B(a)P-TE	1	4	25.0	3.30E-04	--	3.30E-04	--	2.40E-04	6.00E-05	3.60E-04	3.30E-04
Beryllium	2	14	14.3	2.50E-01	1.50	4.20E-01	1.50	1.40E-01	9.00E-02	3.20E-01	3.20E-01
Cadmium	4	14	28.6	2.40E+00	--	4.50E+00	--	1.21E+00	1.47E+00	4.09E+00	4.09E+00
Chlordane	1	12	8.3	8.40E-02	--	8.40E-02	--	5.40E-02	2.06E-02	9.44E-02	8.40E-02
Chromium /a/	13	14	92.9	2.80E+00	--	1.81E+01	1.50	1.03E+01	4.73E+00	1.96E+01	1.81E+01
Copper	10	14	71.4	6.00E+00	--	4.03E+01	--	1.22E+01	1.14E+01	3.46E+01	3.46E+01
4,4'-DDT	4	12	33.3	1.40E-02	--	2.20E-02	--	1.28E-02	5.01E-03	2.27E-02	2.20E-02
Lead	14	14	100.0	2.60E+00	--	8.01E+01	--	2.65E+01	2.20E+01	6.97E+01	6.97E+01
Mercury	1	14	7.1	6.30E-01	1.50	6.30E-01	1.50	9.00E-02	1.60E-01	3.90E-01	3.90E-01
Methylene chloride	1	10	10.0	3.00E-03	--	3.00E-03	--	2.74E-03	1.50E-04	3.03E-03	3.00E-03
Nickel	10	14	71.4	5.30E+00	--	1.61E+01	1.50	7.55E+00	4.18E+00	1.58E+01	1.58E+01
TCDD-TE	5	5	100.0	3.00E-08	--	2.79E-06	--	1.12E-06	1.16E-06	3.40E-06	2.79E-06
Total Carcinogenic PAE	1	4	25.0	3.30E-03	--	3.30E-03	--	2.38E-03	6.20E-04	3.58E-03	3.30E-03
Zinc	10	14	71.4	1.17E+01	--	1.73E+03	1.50	1.76E+02	4.51E+02	1.06E+03	1.06E+03

bgs Below ground surface.
mg/kg Milligrams per kilogram.
-- Not applicable.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
6.60E-02 6.60 x 10⁻².

/a/ No samples were analyzed for hexavalent chromium.

Volume III

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Harding Lawson Associates

Sites 16 and 17

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**Table 4.2b. Statistical Data Summary of Chemicals Detected in Subsurface Soil (2 to 10 feet bgs)
Sites 16 and 17, Pete's Pond
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	7	25	28.0	6.50E-03	5.00	3.40E-02	5.50	8.14E-03	7.32E-03	2.25E-02	2.25E-02
Arsenic	17	25	68.0	4.80E-01	10.00	2.10E+00	5.00	8.10E-01	4.20E-01	1.63E+00	1.63E+00
Beryllium	16	25	64.0	2.00E-01	9.50	4.50E-01	5.00	2.20E-01	1.00E-01	4.20E-01	4.20E-01
Cadmium	1	25	4.0	1.50E+00	5.00	1.50E+00	5.00	3.70E-01	2.40E-01	8.40E-01	8.40E-01
Chromium /a/	21	25	84.0	4.50E+00	5.00	1.74E+01	5.00	8.70E+00	4.15E+00	1.68E+01	1.68E+01
Copper	4	25	16.0	2.20E+00	5.50	3.63E+01	5.00	2.77E+00	7.05E+00	1.66E+01	1.66E+01
Lead	25	25	100.0	1.00E+00	10.00	2.36E+01	5.00	2.56E+00	4.43E+00	1.12E+01	1.12E+01
Methyl ethyl ketone	1	25	4.0	9.10E-03	9.50	9.10E-03	9.50	5.64E-03	8.50E-04	7.31E-03	7.31E-03
Methylene chloride	2	25	8.0	3.30E-03	9.50	3.40E-03	5.50	2.56E-03	6.20E-04	3.78E-03	3.40E-03
Nickel	21	25	84.0	6.20E+00	9.50	1.42E+01	5.50	8.68E+00	3.22E+00	1.50E+01	1.42E+01
Zinc	24	25	96.0	4.00E+00	9.50	8.50E+01	5.00	1.17E+01	1.71E+01	4.52E+01	4.52E+01

bgs Below ground surface.
mg/kg Milligrams per kilogram.
6.50E-03 6.50 x 10⁻³.

/a/ Three samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.21 to 1.1 mg/kg.

**Table 4.2c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
Sites 16 and 17, Pete's Pond
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	16	35	45.7	6.50E-03	5.00	3.40E-02	5.50	9.35E-03	7.35E-03	2.38E-02	2.38E-02
Antimony	1	39	2.6	6.70E-01	--	6.70E-01	--	2.38E+00	1.01E+00	4.36E+00	6.70E-01
Arsenic	31	39	79.5	4.80E-01	10.00	3.70E+00	--	1.08E+00	7.10E-01	2.47E+00	2.47E+00
B(a)P-TE	1	4	25.0	3.30E-04	--	3.30E-04	--	2.40E-04	6.00E-05	3.60E-04	3.30E-04
Beryllium	18	39	46.2	2.00E-01	9.50	4.50E-01	5.00	1.90E-01	1.10E-01	4.00E-01	4.00E-01
Cadmium	5	39	12.8	1.50E+00	5.00	4.50E+00	--	6.70E-01	9.70E-01	2.57E+00	2.57E+00
Chlordane	1	15	6.7	8.40E-02	--	8.40E-02	--	5.17E-02	1.89E-02	8.87E-02	8.40E-02
Chromium /a/	34	39	87.2	2.80E+00	--	1.81E+01	1.50	9.28E+00	4.38E+00	1.79E+01	1.79E+01
Copper	14	39	35.9	2.20E+00	5.50	4.03E+01	--	6.15E+00	9.85E+00	2.55E+01	2.55E+01
4,4'-DDT	4	15	26.7	1.40E-02	--	2.20E-02	--	1.20E-02	4.79E-03	2.14E-02	2.14E-02
Lead	39	39	100.0	1.00E+00	10.00	8.01E+01	--	1.12E+01	1.77E+01	4.59E+01	4.59E+01
Mercury	1	39	2.6	6.30E-01	1.50	6.30E-01	1.50	6.00E-02	9.00E-02	2.50E-01	2.50E-01
Methyl ethyl ketone	1	35	2.9	9.10E-03	9.50	9.10E-03	9.50	5.59E-03	7.40E-04	7.03E-03	7.03E-03
Methylene chloride	3	35	8.6	3.00E-03	--	3.40E-03	5.50	2.61E-03	5.30E-04	3.66E-03	3.40E-03
Nickel	31	39	79.5	5.30E+00	--	1.61E+01	1.50	8.27E+00	3.58E+00	1.53E+01	1.53E+01

**Table 4.2c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
TCDD-TE	5	5	100.0	3.00E-08	--	2.79E-06	--	1.12E-06	1.16E-06	3.40E-06	2.79E-06
Total Carcinogenic PAH	1	4	25.0	3.30E-03	--	3.30E-03	--	2.38E-03	6.20E-04	3.58E-03	3.30E-03
Zinc	34	39	87.2	4.00E+00	9.50	1.73E+03	1.50	7.07E+01	2.76E+02	6.11E+02	6.11E+02

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 6.50E-03 6.50×10^{-3} .
 -- Not applicable.

/a/ Three samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 1.1 mg/kg.

**Table 4.2d. Statistical Data Summary of Chemicals Detected in Deep Soil (> 10 feet bgs)
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	6	18	33.3	5.50E-03	30.50	1.20E-02	10.50	6.61E+00	2.33E+00	1.12E+01	1.20E-02
Antimony	1	18	5.6	6.00E+00	21.00	6.00E+00	21.00	2.57E+00	1.32E+00	5.16E+00	5.16E+00
Arsenic	10	18	55.6	5.40E-01	20.25	1.90E+00	10.50	8.70E-01	3.90E-01	1.64E+00	1.64E+00
Beryllium	3	18	16.7	2.60E-01	19.75	2.90E-01	10.75	1.30E-01	7.00E-02	2.70E-01	2.70E-01
Chromium /a/	18	18	100.0	4.90E+00	110.50	1.78E+01	20.50	1.04E+01	3.59E+00	1.75E+01	1.75E+01
Copper	5	18	27.8	2.10E+00	20.50	7.70E+00	21.00	1.72E+00	1.72E+00	5.10E+00	5.10E+00
Lead	17	18	94.4	8.80E-01	15.50	4.10E+00	10.50	1.54E+00	9.10E-01	3.32E+00	3.32E+00
Mercury	2	18	11.1	1.20E-01	110.50	2.60E-01	70.50	6.00E-02	5.00E-02	1.70E-01	1.70E-01
Nickel	17	18	94.4	7.50E+00	10.50	1.70E+01	30.50	1.04E+01	3.29E+00	1.69E+01	1.69E+01
Zinc	16	18	88.9	5.50E+00	10.50	1.61E+01	16.00	8.56E+00	3.56E+00	1.55E+01	1.55E+01

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 5.50E-03 5.50 x 10⁻³.

/a/ Three samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 0.11 mg/kg.

**Table 4.3a. Statistical Data Summary of Chemicals Detected in Surface Soil (0 to 2 feet bgs)
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Antimony	6	14	42.9	5.90E-01	--	6.90E+00	2.00	1.54E+00	2.16E+00	5.77E+00	5.77E+00
Arsenic	13	14	92.9	1.00E+00	1.25	6.40E+00	2.00	1.96E+00	1.46E+00	4.81E+00	4.81E+00
Benzo(ghi)perylene	1	9	11.1	8.30E-03	--	8.30E-03	--	1.20E-01	8.54E-02	2.87E-01	8.30E-03
Beryllium	4	14	28.6	1.40E-01	2.00	1.90E-01	1.00	1.10E-01	5.00E-02	2.00E-01	1.90E-01
Bis(2-ethylhexyl)phthalate	1	6	16.7	9.60E-02	1.25	9.60E-02	1.25	1.54E-01	2.82E-02	2.09E-01	9.60E-02
Cadmium	4	14	28.6	7.60E-01	2.00	1.70E+00	2.00	6.50E-01	3.70E-01	1.38E+00	1.38E+00
Chlordane	1	3	33.3	6.30E-02	--	6.30E-02	--	4.97E-02	1.16E-02	7.25E-02	6.30E-02
Chromium /a/	14	14	100.0	8.70E+00	1.00	2.51E+01	2.00	1.41E+01	4.01E+00	2.20E+01	2.20E+01
Copper	8	14	57.1	4.80E+00	1.25	4.43E+02	2.00	5.63E+01	1.20E+02	2.91E+02	2.91E+02
4,4'-DDD	1	3	33.3	2.00E-02	--	2.00E-02	--	1.23E-02	6.66E-03	2.54E-02	2.00E-02
4,4'-DDT	2	3	66.7	9.20E-03	--	7.60E-02	--	3.14E-02	3.86E-02	1.07E-01	7.60E-02
Lead	14	14	100.0	1.90E+00	2.00	7.41E+02	2.00	1.23E+02	2.26E+02	5.66E+02	5.66E+02
Mercury	2	14	14.3	6.00E-02	2.00	2.50E-01	0.50	4.00E-02	6.00E-02	1.60E-01	1.60E-01
Nickel	14	14	100.0	5.20E+00	--	2.02E+01	2.00	1.13E+01	3.66E+00	1.85E+01	1.85E+01
Silver	3	14	21.4	4.20E-01	1.00	1.20E+00	2.00	5.00E-01	2.40E-01	9.70E-01	9.70E-01

**Table 4.3a. Statistical Data Summary of Chemicals Detected in Surface Soil (0 to 2 feet bgs)
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
TCDD-TE	3	3	100.0	1.60E-07	--	2.20E-06	--	1.25E-06	1.03E-06	3.27E-06	2.20E-06
Trichloroethene	1	11	9.1	6.80E-02	1.00	6.80E-02	1.00	8.60E-03	1.97E-02	4.72E-02	4.72E-02
Zinc	11	14	78.6	8.90E+00	2.00	1.03E+03	2.00	1.74E+02	3.12E+02	7.86E+02	7.86E+02

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 5.90E-01 5.90 x 10⁻¹.
 -- Not applicable.

/a/ Nine samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.5 to 2.0 mg/kg.

**Table 4.3b. Statistical Data Summary of Chemicals Detected in Subsurface Soil (2 to 10 feet bgs)
Sites 16 and 17, Pete's Pond Extension
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Antimony	4	21	19.1	5.60E-01	5.75	3.40E+00	2.50	6.40E-01	1.03E+00	2.65E+00	2.65E+00
Arsenic	14	21	66.7	4.90E-01	3.50	3.30E+00	7.00	1.19E+00	8.10E-01	2.78E+00	2.78E+00
Beryllium	5	21	23.8	1.30E-01	7.50	2.50E-01	5.75	1.00E-01	6.00E-02	2.20E-01	2.20E-01
Bis(2-ethylhexyl)phthalate	2	4	50.0	4.50E-02	4.75	7.70E-02	7.00	1.19E-01	6.86E-02	2.54E-01	7.70E-02
Cadmium	1	21	4.8	1.10E+00	7.00	1.10E+00	7.00	4.40E-01	1.60E-01	7.60E-01	7.60E-01
Chromium /a/	21	21	100.0	8.90E+00	3.50	2.47E+01	7.00	1.26E+01	3.32E+00	1.91E+01	1.91E+01
Copper	8	21	38.1	1.30E+00	3.50	1.85E+02	2.50	2.15E+01	4.85E+01	1.17E+02	1.17E+02
Lead	21	21	100.0	7.70E-01	9.00	4.75E+02	7.00	4.66E+01	1.14E+02	2.70E+02	2.70E+02
Nickel	21	21	100.0	6.50E+00	7.50	2.51E+01	7.00	1.22E+01	3.78E+00	1.96E+01	1.96E+01
Pentachlorophenol	1	4	25.0	8.80E-02	6.25	8.80E-02	6.25	6.72E-01	3.90E-01	1.44E+00	8.80E-02
TCDD-TE	2	2	100.0	1.70E-07	5.75	2.18E-05	7.00	1.10E-05	1.53E-05	4.10E-05	2.18E-05
Tetrachloroethene	1	22	4.6	6.40E-03	4.50	6.40E-03	4.50	2.78E-03	8.10E-04	4.38E-03	4.38E-03
Toluene	1	22	4.6	1.20E-03	5.00	1.20E-03	5.00	2.55E-03	3.10E-04	3.17E-03	1.20E-03
Trichloroethene	4	22	18.2	1.40E-03	2.50	1.20E-02	3.00	3.15E-03	2.22E-03	7.50E-03	7.50E-03
Zinc	15	21	71.4	9.20E+00	5.00	6.78E+02	7.00	9.53E+01	1.96E+02	4.79E+02	4.79E+02

bgs Below ground surface.
mg/kg Milligrams per kilogram.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
5.60E-01 5.60 x 10⁻¹.

/a/ Nineteen samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 4.0 mg/kg.

**Table 4.3c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Value (mg/kg)	Depth of Minimum (feet)	Maximum Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Antimony	10	35	28.6	5.60E-01	5.75	6.90E+00	2.00	1.00E+00	1.61E+00	4.16E+00	4.16E+00
Arsonic	27	35	77.1	4.90E-01	3.50	6.40E+00	2.00	1.50E+00	1.16E+00	3.77E+00	3.77E+00
Bonzo(ghi)perylene	1	13	7.7	8.30E-03	--	8.30E-03	--	1.38E-01	7.56E-02	2.86E-01	8.30E-03
Boryllium	9	35	25.7	1.30E-01	7.50	2.50E-01	5.75	1.00E-01	6.00E-02	2.10E-01	2.10E-01
Bis(2-ethylhexyl)phthalate	3	10	30.0	4.50E-02	4.75	9.60E-02	1.25	1.40E-01	4.82E-02	2.34E-01	9.60E-02
Cadmium	5	35	14.3	7.60E-01	2.00	1.70E+00	2.00	5.30E-01	2.80E-01	1.08E+00	1.08E+00
Chlordane	1	3	33.3	6.30E-02	--	6.30E-02	--	4.97E-02	1.16E-02	7.25E-02	6.30E-02
Chromium /a/	35	35	100.0	8.70E+00	1.00	2.51E+01	2.00	1.32E+01	3.63E+00	2.04E+01	2.04E+01
Copper	16	35	45.7	1.30E+00	3.50	4.43E+02	2.00	3.54E+01	8.46E+01	2.01E+02	2.01E+02
4,4'-DDD	1	3	33.3	2.00E-02	--	2.00E-02	--	1.23E-02	6.66E-03	2.54E-02	2.00E-02
4,4'-DDT	2	3	66.7	9.20E-03	--	7.60E-02	--	3.14E-02	3.86E-02	1.07E-01	7.60E-02
Lead	35	35	100.0	7.70E-01	9.00	7.41E+02	2.00	7.72E+01	1.69E+02	4.08E+02	4.08E+02
Mercury	2	35	5.7	6.00E-02	2.00	2.50E-01	0.50	3.00E-02	4.00E-02	1.10E-01	1.10E-01
Nickel	35	35	100.0	5.20E+00	--	2.51E+01	7.00	1.18E+01	3.71E+00	1.91E+01	1.91E+01
Pentachlorophenol	1	10	10.0	8.80E-02	6.25	8.80E-02	6.25	7.79E-01	2.60E-01	1.29E+00	8.80E-02
Silver	3	35	8.6	4.20E-01	1.00	1.20E+00	2.00	4.50E-01	2.00E-01	8.50E-01	8.50E-01

**Table 4.3c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
TCDD-TE	5	5	100.0	1.60E-07	--	2.18E-05	7.00	5.15E-06	9.37E-06	2.35E-05	2.18E-05
Tetrachloroethene	1	33	3.0	6.40E-03	4.50	6.40E-03	4.50	2.74E-03	6.80E-04	4.06E-03	4.06E-03
Toluene	1	33	3.0	1.20E-03	5.00	1.20E-03	5.00	2.58E-03	2.90E-04	3.16E-03	1.20E-03
Trichloroethene	5	33	15.2	1.40E-03	2.50	6.80E-02	1.00	4.97E-03	1.15E-02	2.74E-02	2.74E-02
Zinc	26	35	74.3	8.90E+00	2.00	1.03E+03	2.00	1.27E+02	2.48E+02	6.12E+02	6.12E+02

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 2.00E-02 2.00 x 10⁻².
 -- Not applicable.

/a/ Twenty-eight samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 4.0 mg/kg.

**Table 4.3d. Statistical Data Summary of Chemicals Detected in Deep Soil (> 10 feet bgs)
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	1	8	12.5	5.50E-03	31.00	5.50E-03	31.00	4.83E-03	9.00E-04	6.59E-03	5.50E-03
Antimony	2	7	28.6	5.30E-01	15.75	3.90E+00	15.50	8.00E-01	1.37E+00	3.49E+00	3.49E+00
Arsenic	5	7	71.4	6.40E-01	31.00	3.70E+00	15.50	1.13E+00	1.19E+00	3.47E+00	3.47E+00
Beryllium	3	7	42.9	2.60E-01	30.75	4.40E-01	15.75	2.30E-01	1.40E-01	4.90E-01	4.40E-01
Bis(2-ethylhexyl)phthalate	1	7	14.3	1.50E-01	15.50	1.50E-01	15.50	1.69E-01	9.32E-03	1.88E-01	1.50E-01
Cadmium	1	7	14.3	2.50E+00	15.50	2.40E+00	15.50	7.30E-01	7.40E-01	2.17E+00	2.17E+00
Chromium /a/	7	7	100.0	5.80E+00	15.75	3.25E+01	15.50	1.25E+01	9.02E+00	3.02E+01	3.02E+01
Copper	2	7	28.6	8.20E+01	15.50	3.20E+02	30.75	5.80E+01	1.19E+02	2.92E+02	2.92E+02
Lead	7	7	100.0	6.30E-01	42.25	1.24E+02	15.50	1.87E+01	4.65E+01	1.10E+02	1.10E+02
Mercury	1	7	14.3	9.00E-02	15.50	9.00E-02	15.50	4.00E-02	2.00E-02	8.00E-02	8.00E-02
Nickel	7	7	100.0	7.20E+00	15.75	4.56E+01	15.50	1.52E+01	1.36E+01	4.18E+01	4.18E+01
Pentachlorophenol	1	7	14.3	8.30E-02	15.75	8.30E-02	15.75	8.40E-01	4.39E-01	1.70E+00	8.30E-02
Tetrachloroethene	1	9	11.1	1.10E-02	15.50	1.10E-02	15.50	3.56E-03	2.79E-03	9.03E-03	9.03E-03
Thallium	1	7	14.3	4.70E-01	15.75	4.70E-01	15.75	2.50E-01	1.00E-01	4.40E-01	4.40E-01
Toluene	1	9	11.1	1.60E-03	15.50	1.60E-03	15.50	2.52E-03	3.50E-04	3.20E-03	1.60E-03
Trichloroethene	1	9	11.1	5.20E-03	15.50	5.20E-03	15.50	2.92E-03	8.60E-04	4.60E-03	4.60E-03
Zinc	4	7	57.1	9.50E+00	42.25	1.00E+03	15.50	1.60E+02	3.72E+02	8.88E+02	8.88E+02

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 5.50E-03 5.50 x 10⁻³.

/a/ Four samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 2.0 mg/kg.

**Table 4.4a. Statistical Data Summary of Chemicals Detected in Surface Soil (0 to 2 feet bgs)
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	1	9	11.1	8.80E-03	2.00	8.80E-03	2.00	5.47E-03	1.52E-03	8.44E-03	8.44E-03
Antimony	2	9	22.2	3.80E-01	0.50	7.20E-01	1.75	1.12E+00	1.24E+00	3.56E+00	7.20E-01
Arsonic	6	9	66.7	9.70E-01	1.75	1.40E+00	0.50	9.30E-01	3.70E-01	1.66E+00	1.40E+00
Beryllium	2	9	22.2	1.50E-01	0.50	2.40E-01	1.75	1.20E-01	6.00E-02	2.40E-01	2.40E-01
Chromium /a/	9	9	100.0	1.00E+01	0.50	1.52E+01	1.75	1.17E+01	1.65E+00	1.49E+01	1.49E+01
Copper	4	9	44.4	6.10E+00	2.00	1.05E+01	1.75	4.73E+00	3.38E+00	1.14E+01	1.05E+01
Lead	9	9	100.0	2.40E+00	0.50	2.90E+01	1.50	1.20E+01	8.82E+00	2.93E+01	2.90E+01
Mercury	2	9	22.2	1.20E-01	2.00	1.30E-01	1.50	5.00E-02	4.00E-02	1.40E-01	1.30E-01
Nickel	9	9	100.0	7.20E+00	0.50	1.16E+01	0.50	9.59E+00	1.69E+00	1.29E+01	1.16E+01
TCDD-TE	3	3	100.0	1.70E-07	1.75	4.06E-06	1.00	1.77E-06	2.04E-06	5.76E-06	4.06E-06
Zinc	7	9	77.8	1.72E+01	0.50	3.98E+01	1.75	2.00E+01	1.05E+01	4.05E+01	3.98E+01

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 8.80E-03 8.80 x 10⁻³.

/a/ Six samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.11 to 1.0 mg/kg.

**Table 4.4b. Statistical Data Summary of Chemicals Detected in Subsurface Soil (2 to 10 feet bgs)
Sites 16 and 17, Site 17 Disposal Area
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	6	27	22.2	1.60E-03	6.75	3.10E-02	5.00	6.44E-03	6.12E-03	1.84E-02	1.84E-02
Antimony	9	27	33.3	4.00E-01	9.50	5.50E+00	8.50	1.64E+00	1.46E+00	4.50E+00	4.50E+00
Arsenic	18	27	66.7	6.00E-01	9.00	1.31E+01	5.00	1.82E+00	2.87E+00	7.44E+00	7.44E+00
Beryllium	2	27	7.4	2.50E-01	6.75	2.50E-01	6.75	1.20E-01	7.00E-02	2.50E-01	2.50E-01
Bis(2-ethylhexyl)phthalate	1	13	7.7	1.30E-01	8.50	1.30E-01	8.50	3.28E-01	4.50E-01	1.21E+00	1.30E-01
Cadmium	3	27	11.1	1.10E+00	5.50	3.20E+00	8.50	5.60E-01	5.90E-01	1.72E+00	1.72E+00
Chromium /a/	27	27	100.0	5.30E+00	6.00	5.27E+01	5.50	1.41E+01	1.25E+01	3.85E+01	3.85E+01
Copper	6	27	22.2	1.10E+01	2.50	2.57E+02	6.75	2.79E+01	6.68E+01	1.59E+02	1.59E+02
Lead	27	27	100.0	6.90E-01	7.00	4.42E+02	5.00	6.56E+01	1.33E+02	3.26E+02	3.26E+02
Mercury	11	27	40.7	6.00E-02	6.75	7.50E+00	5.50	6.50E-01	1.68E+00	3.94E+00	3.94E+00
Methylene chloride	1	27	3.7	3.50E-03	2.50	3.50E-03	2.50	3.09E-03	1.03E-03	5.11E-03	3.50E-03
Nickel	23	27	85.2	5.00E+00	6.75	1.70E+02	8.50	2.07E+01	3.81E+01	9.54E+01	9.54E+01
Selenium	1	27	3.7	1.20E+00	5.00	1.20E+00	5.00	3.80E-01	1.80E-01	7.30E-01	7.30E-01
Silver	1	27	3.7	4.80E+00	5.00	4.80E+00	5.00	5.50E-01	9.20E-01	2.37E+00	2.37E+00
TCDD-TE	2	2	100.0	4.00E-08	2.25	3.02E-05	6.75	1.51E-05	2.13E-05	5.69E-05	3.02E-05
Zinc	18	27	66.7	5.20E+00	6.50	6.73E+02	9.50	9.79E+01	1.77E+02	4.45E+02	4.45E+02

bgs Below ground surface.
mg/kg Milligrams per kilogram.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
1.60E-03 1.60 x 10⁻³.

/a/ Sixteen samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 2.0 mg/kg.

**Table 4.4c. Statistical Data Summary of Chemicals Detected in Subsurface Soil (0 to 10 feet bgs)
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	7	36	19.4	1.60E-03	6.75	3.10E-02	5.00	6.19E-03	5.34E-03	1.67E-02	1.67E-02
Antimony	11	36	30.6	3.80E-01	0.50	5.50E+00	8.50	1.51E+00	1.41E+00	4.27E+00	4.27E+00
Arsenic	24	36	66.7	6.00E-01	9.00	1.31E+01	5.00	1.60E+00	2.51E+00	6.52E+00	6.52E+00
Beryllium	4	36	11.1	1.50E-01	0.50	2.50E-01	6.75	1.20E-01	6.00E-02	2.50E-01	2.50E-01
Bis(2-ethylhexyl)phthalate	1	15	6.7	1.30E-01	8.50	1.30E-01	8.50	3.07E-01	4.20E-01	1.13E+00	1.30E-01
Cadmium	3	36	8.3	1.10E+00	5.50	3.20E+00	8.50	5.20E-01	5.10E-01	1.53E+00	1.53E+00
Chromium /a/	36	36	100.0	5.30E+00	6.00	5.27E+01	5.50	1.35E+01	1.08E+01	3.47E+01	3.47E+01
Copper	10	36	27.8	6.10E+00	2.00	2.57E+02	6.75	2.21E+01	5.85E+01	1.37E+02	1.37E+02
Lead	36	36	100.0	6.90E-01	7.00	4.42E+02	5.00	5.22E+01	1.17E+02	2.82E+02	2.82E+02
Mercury	13	36	36.1	6.00E-02	6.75	7.50E+00	5.50	5.00E-01	1.47E+00	3.38E+00	3.38E+00
Methylene chloride	1	36	2.8	3.50E-03	2.50	3.50E-03	2.50	3.19E-03	1.31E-03	5.75E-03	3.50E-03
Nickel	32	36	88.9	5.00E+00	6.75	1.70E+02	8.50	1.79E+01	3.32E+01	8.30E+01	8.30E+01
Selenium	1	36	2.8	1.20E+00	5.00	1.20E+00	5.00	3.70E-01	1.60E-01	6.80E-01	6.80E-01
Silver	1	36	2.8	4.80E+00	5.00	4.80E+00	5.00	5.10E-01	8.10E-01	2.09E+00	2.09E+00
TCDD-TE	5	5	100.0	4.00E-08	2.25	3.02E-05	6.75	7.11E-06	1.30E-05	3.26E-05	3.02E-05
Zinc	25	36	69.4	5.20E+00	6.50	6.73E+02	9.50	7.84E+01	1.57E+02	3.85E+02	3.85E+02

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 1.60E-03 1.60 x 10⁻³.

/a/ Twenty-two samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 2.0 mg/kg.

**Table 4.4d. Statistical Data Summary of Chemicals Detected in Deep Soil (> 10 feet bgs)
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum of Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum of Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	1	20	5.0	5.00E-03	20.75	5.00E-03	20.75	5.80E-03	2.64E-03	1.10E-02	5.00E-03
Antimony	9	20	45.0	4.70E-01	25.75	1.20E+00	11.75	4.30E-01	2.80E-01	9.90E-01	9.90E-01
Arsenic	18	20	90.0	5.10E-01	11.25	2.10E+00	11.75	9.20E-01	4.90E-01	1.89E+00	1.89E+00
Beryllium	3	20	15.0	2.00E-01	20.75	4.40E-01	11.25	2.00E-01	8.00E-02	3.50E-01	3.50E-01
Bis(2-ethylhexyl)phthalate	1	19	5.3	3.60E-01	11.75	3.60E-01	11.75	1.83E-01	4.32E-02	2.68E-01	2.68E-01
Chromium /a/	20	20	100.0	5.60E+00	25.75	1.68E+01	16.25	1.11E+01	2.93E+00	1.68E+01	1.68E+01
Copper	2	20	10.0	4.60E+00	11.25	7.05E+01	11.75	5.07E+00	1.56E+01	3.56E+01	3.56E+01
Lead	19	20	95.0	6.30E-01	11.25	9.65E+01	11.00	7.75E+00	2.24E+01	5.17E+01	5.17E+01
Mercury	1	20	5.0	2.00E-01	11.75	2.00E-01	11.75	3.00E-02	4.00E-02	1.10E-01	1.10E-01
Nickel	19	20	95.0	5.60E+00	11.25	1.49E+01	11.75	9.69E+00	3.21E+00	1.60E+01	1.49E+01
TCDD-TE	1	1	100.0	7.87E-06	11.75	7.87E-06	11.75	--	--	--	--
Zinc	12	20	60.0	5.90E+00	25.75	1.24E+02	11.00	1.54E+01	2.73E+01	6.88E+01	6.88E+01

bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 5.00E-03 5.00 x 10⁻³.
 -- Not applicable.

/a/ Twenty samples were analyzed for hexavalent chromium; none was detected. Detection limits range from 0.1 to 1.0 mg/kg.

**Table 4.5. Statistical Data Summary of Chemicals Detected in Soil, All Depths
 Sites 16 and 17, Site 17 Other Areas
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/kg)	Depth of Minimum (feet)	Maximum Detection Value (mg/kg)	Depth of Maximum (feet)	Arithmetic Mean (mg/kg)	Standard Deviation of the Arithmetic Mean (mg/kg)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/kg)	Lesser of 95% UCL and Maximum Concentrations (mg/kg)
Acetone	2	17	11.8	7.90E-03	--	9.60E-03	--	5.65E-03	1.23E-03	8.06E-03	8.06E-03
Arsenic	18	24	75.0	4.20E-01	45.50	1.90E+00	2.00	1.14E+00	5.10E-01	2.14E+00	1.90E+00
Beryllium	8	24	33.3	1.90E-01	1.75	3.00E-01	20.50	1.70E-01	7.00E-02	3.00E-01	3.00E-01
Cadmium	1	24	4.2	6.10E-01	1.75	6.10E-01	1.75	3.10E-01	6.00E-02	4.30E-01	4.30E-01
Chromium /a/	24	24	100.0	9.90E+00	2.00	2.86E+01	2.00	1.58E+01	5.19E+00	2.60E+01	2.60E+01
Copper	10	24	41.7	2.50E+00	45.50	1.92E+01	2.00	2.91E+00	3.66E+00	1.01E+01	1.01E+01
Lead	23	24	95.8	1.20E+00	2.00	5.10E+00	1.25	1.92E+00	9.50E-01	3.78E+00	3.78E+00
Nickel	24	24	100.0	6.50E+00	5.75	1.70E+01	2.00	1.11E+01	2.70E+00	1.64E+01	1.64E+01
Silver	1	23	4.4	4.40E-01	--	4.40E-01	--	1.90E-01	5.00E-02	3.00E-01	3.00E-01
Zinc	24	24	100.0	5.30E+00	--	1.87E+01	1.25	8.74E+00	3.10E+00	1.48E+01	1.48E+01

mg/kg Milligrams per kilogram.

7.90E-03 7.90 x 10⁻³.

-- Not applicable.

/a/ No samples were analyzed for hexavalent chromium.

**Table 4.6. Statistical Data Summary of Chemicals Detected in Groundwater, A-Aquifer
Sites 16 and 17
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/l)	Maximum Detection Value (mg/l)	Arithmetic Mean (mg/l)	Standard Deviation of the Arithmetic Mean (mg/l)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/l)	Lesser of 95% UCL and Maximum Concentrations (mg/l)
Antimony	2	2	100.0	3.60E-03	9.60E-03	6.60E-03	4.24E-03	1.49E-02	9.60E-03
Tetrachloroethene	3	5	60.0	3.30E-04	1.90E-03	6.20E-04	7.20E-04	2.03E-03	1.90E-03
Toluene	2	5	40.0	4.10E-04	1.10E-03	4.50E-04	3.70E-04	1.17E-03	1.10E-03
Trichloroethene	3	5	60.0	4.00E-04	2.20E-03	8.00E-04	8.30E-04	2.43E-03	2.20E-03
Zinc	1	2	50.0	3.96E-02	3.96E-02	3.03E-02	1.32E-02	5.61E-02	3.96E-02

mg/l Milligrams per liter.
3.60E-03 3.60 x 10⁻³.

**Table 4.7. Statistical Data Summary of Chemicals Detected in Groundwater, Upper 180-Foot Aquifer
Sites 16 and 17
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Chemical	Number of Detections	Number of Analyses	Frequency of Detection (percent)	Minimum Detection Value (mg/l)	Maximum Detection Value (mg/l)	Arithmetic Mean (mg/l)	Standard Deviation of the Arithmetic Mean (mg/l)	95% Upper Confidence Limit (UCL) of the Arithmetic Mean (mg/l)	Lesser of 95% UCL and Maximum Concentrations (mg/l)
Carbon tetrachloride	3	3	100.0	7.40E-04	1.10E-03	9.20E-04	1.80E-04	1.28E-03	1.10E-03
Tetrachloroethene	2	3	66.7	2.50E-04	7.40E-04	4.10E-04	2.80E-04	9.70E-04	7.40E-04
Toluene	1	3	33.3	4.80E-04	4.80E-04	3.30E-04	1.30E-04	5.90E-04	4.80E-04
Trichloroethene	3	3	100.0	4.30E-04	5.80E-04	5.00E-04	8.00E-05	6.50E-04	5.80E-04

mg/l Milligrams per liter.
7.40E-04 7.40 x 10⁻⁴.

**Table 4.8a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
Antimony	0.69	ND	--	--	0.003	--	NO
Arsenic	22.30	3.4	--	--	0.1	5E-04	YES
B(a)P-TE	2.30E-05	--	--	--	--	2E-10	NO
Cadmium	2.40	ND	--	--	0.007	5E-05	YES
Chromium /f/	31.70	46.1	--	--	--	--	NO
Copper	53.10	18.2	--	--	0.002	--	NO
Lead	98.40	51.8	--	240	--	--	NO
Mercury	0.34	0.12	--	--	0.002	--	NO
Nickel	10.30	58	--	--	--	--	NO
TCDD-TE	5.76E-06	--	--	--	--	5E-07	YES
Total cPAH	0.0023	--	--	--	1E-07	--	NO

COPCs Chemicals of potential concern.
 bgs Below ground surface.
 DOL Directorate of Logistics.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 5.76E-06 5.76 x 10⁻⁶.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.1a.

/c/ Estimated daily dose (see Appendix B for explanation). The EDD was compared to the Recommended Daily Allowance for various essential nutrients (National Research Council, 1989).

/d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).

/e/ See Table C4 of Appendix C for development of screening values.

/f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.8b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
								Hazard Quotient	Cancer Risk	
Acetone	0.077	--	--	--	--	--	--	0.000001	--	NO
Antimony	0.69	0.69	ND	ND	8.2	--	--	0.003	--	NO
Arsenic	22.30	22.3	3.4	1.7	4.5	--	--	0.1	5E-04	YES
B(a)P-TE	0.000023	--	--	--	--	--	--	--	2E-10	NO
Beryllium	0.21	ND	0.35	0.21	0.48	--	--	--	--	NO
Bis(2-ethylhexyl)phthalate /f/	3.90	--	--	--	--	--	--	0.0003	3E-08	YES
Cadmium	2.40	2.40	ND	ND	1.9	--	--	0.007	5E-05	YES
Chromium /g/	31.70	31.7	46.1	21.3	22.7	--	--	--	--	NO
Copper	53.10	53.1	18.2	3.4	8.2	--	--	0.002	--	NO
Di-n-butylphthalate	0.095	--	--	--	--	--	--	0.000001	--	NO
Dibenzofuran	0.41	--	--	--	--	--	--	0.000002	--	NO
Fluorene	1.10	--	--	--	--	--	--	0.00004	--	NO
Lead	98.40	98.4	51.8	3.8	3.7	--	240	--	--	NO
Mercury	0.34	0.34	0.12	ND	ND	--	--	0.002	--	NO
Methyl ethyl ketone	0.027	--	--	--	--	--	--	0.00000006	--	NO
2-Methylnaphthalene	8.60	--	--	--	--	--	--	0.0002	--	NO
Naphthalene	3.70	--	--	--	--	--	--	0.00009	--	NO
Nickel	14.00	10.3	58	14.0	19.5	--	--	--	--	NO
Phenanthrene	1.80	--	--	--	--	--	--	0.000009	--	NO

**Table 4.8b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, DOL Maintenance Yard
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
								Hazard Quotient	Cancer Risk	
TCDD-TE	5.76E-06	--	--	--	--	--	--	--	5E-07	YES
Total cPAH	0.0023	--	--	--	--	--	--	1E-07	--	NO
Zinc	9.60	ND	75.8	9.6	13.9	--	--	--	--	NO

COPCs Chemicals of potential concern.
 bgs Below ground surface.
 DOL Directorate of Logistics.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 5.76E-06 5.76 x 10⁻⁶.

- /a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.
- /b/ From: Table 4.1a.
- /c/ Estimated daily dose (see Appendix B for explanation). The EDD was compared to the Recommended Daily Allowance for various essential nutrients (National Research Council, 1989).
- /d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).
- /e/ See Table C4 of Appendix C for development of screening values.
- /f/ Bis(2-ethylhexyl)phthalate was detected in only one sample. The detected concentration is likely to be an artifact of sampling procedures.
- /g/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.9a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
Acetone	0.028	--	--	--	0.0000004	--	NO
Antimony	0.67	ND	--	--	0.002	--	NO
Arsenic	3.70	3.4	--	--	0.02	8E-05	YES
B(a)P-TE	0.00033	--	--	--	NA	2E-09	NO
Beryllium	0.42	0.35	--	--	0.0001	7E-06	YES
Cadmium	4.50	ND	--	--	0.01	1E-04	YES
Chlordane	0.084	--	--	--	0.002	7E-08	YES
Chromium /f/	18.10	46.1	--	--	--	--	NO
Copper	40.30	18.2	--	--	0.002	--	NO
4,4'-DDT	0.022	--	--	--	0.00006	5E-09	NO
Lead	80.10	51.8	--	240	--	--	NO
Mercury	0.63	0.12	--	--	0.003	--	NO
Methylene chloride	0.003	--	--	--	0.00000007	3E-11	NO
Nickel	16.10	58	--	--	--	--	NO
Total cPAH	0.0033	--	--	--	2E-07	--	NO

**Table 4.9a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
TCDD-TE	2.79E-06	--	--	--	--	3E-07	YES
Zinc	1730.00	75.8	0.35	--	--	--	NO

COPCs Chemicals of potential concern.
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 ND Not detected.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 2.79E-06 2.79 x 10⁻⁶.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.2a.

/c/ Estimated daily dose (see Section 4.3 for explanation). The EDD for zinc was compared to the Recommended Daily Allowance for zinc of 5 to 10 mg/day (National Research Council, 1989).

/d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).

/e/ See Table C5 of Appendix C for development of screening values.

/f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.9b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/ Hazard Quotient Cancer Risk		COPC (Yes/No)
	Acetone	0.034	--	--	--	--	--	--	0.0000005	
Antimony	0.67	0.67	ND	ND	8.2	--	--	0.002	--	NO
Arsenic	3.7	3.7	3.4	2.1	4.5	--	--	0.02	8E-05	YES
B(a)P-TE	0.00033	--	--	--	--	--	--	--	2E-09	NO
Beryllium	0.45	0.42	0.35	0.45	0.48	--	--	0.0001	7E-06	YES
Cadmium	4.5	4.5	ND	1.5	1.90	--	--	0.01	1E-04	YES
Chlordane	0.084	--	--	--	--	--	--	0.002	7E-08	YES
Chromium /f/	18.1	18.1	46.1	17.4	22.7	--	--	--	--	NO
Copper	40.3	40.3	18.2	36.3	8.2	--	--	0.002	--	NO
4,4'-DDT	0.022	--	--	--	--	--	--	0.00006	5E-09	NO
Lead	80.1	80.1	51.8	23.6	3.7	--	240	--	--	NO
Mercury	0.63	0.63	0.12	ND	ND	--	--	0.003	--	NO
Methyl ethyl ketone	0.0091	--	--	--	--	--	--	0.00000002	--	NO
Methylene chloride	0.0034	--	--	--	--	--	--	0.00000008	3E-11	NO
Nickel	16.1	16.1	58	14.2	19.5	--	--	--	--	NO
TCDD-TE	2.79E-06	--	--	--	--	--	--	--	3E-07	YES

**Table 4.9b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Pete's Pond
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
								Hazard Quotient	Cancer Risk	
Total Carcinogenic PAH	0.003	--	--	--	--	--	--	2E-07	--	NO
Zinc	1730	1730	75.8	85.0	13.9	0.35	--	--	--	NO

COPCs Chemicals of potential concern
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 2.79E-06 2.79 x 10⁻⁶.

- /a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.
- /b/ From: Table 4.2b.
- /c/ Estimated daily dose (see Appendix B for explanation). The EDD for zinc was compared to the Recommended Daily Allowance for zinc of 5 to 10 mg/day (National Research Council, 1989).
- /d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).
- /e/ See Table C5 of Appendix C for development of screening values.
- /f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.10a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
Antimony	6.90	ND	--	--	0.02	--	YES
Arsenic	6.40	3.4	--	--	0.03	1E-04	YES
Benzo(ghi)perylene	0.0083	--	--	--	0.0000003	--	NO
Beryllium	0.19	0.35	--	--	--	--	NO
Bis(2-ethylhexyl)phthalate	0.096	--	--	--	0.000007	8E-10	NO
Cadmium	1.70	ND	--	--	0.005	4E-05	YES
Chlordane	0.063	--	--	--	0.002	5E-08	YES
Chromium /f/	25.10	46.1	--	--	--	--	NO
Copper	443.00	18.2	--	--	0.02	--	YES
4,4'-DDD	0.020	--	--	--	--	3E-09	NO
4,4'-DDT	0.076	--	--	--	0.0002	2E-08	YES
Lead	741.00	51.8	--	240	--	--	YES
Mercury	0.25	0.12	--	--	0.001	--	NO
Nickel	20.20	58	--	--	--	--	NO
Silver	1.20	0.36	--	--	0.0003	--	NO
TCDD-TE	2.20E-06	--	--	--	--	2E-07	YES

**Table 4.10a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
Trichloroethene	0.068	--	--	--	--	6E-10	NO
Zinc	1030.00	75.8	0.21	--	--	--	NO

COPC Chemicals of potential concern.
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 1E-04 1 x 10⁻⁰⁴.
 ND Not detected.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.3a.

/c/ Estimated daily dose (see Appendix B for explanation). The EDD for zinc was compared to the Recommended Daily Allowance for zinc of 5 to 10 mg/day (National Research Council, 1989).

/d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).

/e/ See Table C6 of Appendix C for development of screening values.

/f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.10b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
								Hazard Quotient	Cancer Risk	
Antimony	6.9	6.9	ND	3.4	8.2	--	--	0.03	--	YES
Arsenic	6.4	6.4	3.4	3.3	4.5	--	--	0.03	1E-04	YES
Benzo(ghi)perylene	0.0083	--	--	--	--	--	--	0.0000003	--	NO
Beryllium	0.25	0.19	0.35	0.25	0.48	--	--	--	--	NO
Bis(2-ethylhexyl)phthalate	0.096	--	--	--	--	--	--	0.000007	8E-10	NO
Cadmium	1.7	1.7	ND	1.1	1.9	--	--	0.005	4E-06	YES
Chlordane	0.063	--	--	--	--	--	--	0.002	5E-08	YES
Chromium //	25.1	25.1	46.1	24.7	22.7	--	--	0.00004	--	NO
Copper	443	443	18.2	185	8.2	--	--	0.02	--	YES
4,4'-DDD	0.02	--	--	--	--	--	--	--	3E-09	NO
4,4'-DDT	0.076	--	--	--	--	--	--	0.0002	2E-08	YES
Lead	741	741	51.8	475	3.7	--	240	--	--	YES
Mercury	0.25	0.25	0.12	ND	ND	--	--	0.001	--	NO
Nickel	25.1	20.2	58	25.1	19.5	--	--	0.002	3E-05	YES
Pentachlorophenol	0.088	--	--	--	--	--	--	0.000004	7E-09	NO
Silver	1.2	1.2	0.36	ND	0.49	--	--	0.0003	--	NO
TCDD-TE	2.18E-05	--	--	--	--	--	--	--	2E-06	YES
Tetrachloroethene	0.0064	--	--	--	--	--	--	0.0000009	2E-10	NO
Toluene	0.0012	--	--	--	--	--	--	0.000000009	--	NO

**Table 4.10b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Pete's Pond Extension
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration 0 to 10 feet bgs (mg/kg)	Maximum	Background	Maximum	Background	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
		Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Concentration 0 to 2 feet bgs (mg/kg)	Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Concentration >2 feet bgs (mg/kg)			Hazard Quotient	Cancer Risk	
Trichloroethene	0.068	--	--	--	--	--	--	0.00002	6E-10	NO
Zinc	1030	1030	75.8	678	13.9	0.21	--	--	--	NO

COPCs Chemicals of Potential Concern.
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 1E-04 1 x 10⁻⁴.
 ND Not detected.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.3b.

/c/ Estimated daily dose (see Appendix B for explanation). The EDD for zinc was compared to the Recommended Daily Allowance for zinc of 5 to 10 mg/day (National Research Council, 1989).

/d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).

/e/ See Table C6 of Appendix C for development of screening values.

/f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.11a. Selection of COPCs for Chemicals Detected in Surface Soil (0 to 2 feet bgs) /a/
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/kg)	Background Concentration (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
					Hazard Quotient	Cancer Risk	
Acetone	0.0088	--	--	--	0.0000001	--	NO
Antimony	0.72	--	--	--	0.003	--	NO
Arsenic	1.40	3.4	--	--	--	--	NO
Beryllium	0.24	0.35	--	--	--	--	NO
Chromium /f/	15.20	46.1	--	--	--	--	NO
Copper	10.50	18.2	--	--	--	--	NO
Lead	29.00	51.8	--	--	--	--	NO
Mercury	0.13	0.12	--	--	0.0006	--	NO
Nickel	11.60	58	--	--	--	--	NO
TCDD-TE	4.06E-06	--	--	--	--	4E-07	YES
Zinc	39.80	75.8	--	--	--	--	NO

COPC Chemicals of potential concern.
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 4.06E-06 4.06 x 10⁻⁶.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.
 /b/ From: Table 4.4a.
 /c/ Estimated daily dose (see Section 4.3 for explanation). The EDD was compared to the Recommended Daily Allowance for various essential nutrients (National Research Council, 1989).
 /d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).
 /e/ See Table C7 of Appendix C for development of screening values.
 /f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.11b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration 0 to 10 feet bgs (mg/kg)	Maximum Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Maximum Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)	Background Concentration >2 feet bgs (mg/kg)	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/ Hazard Quotient		Cancer Risk	COPC (Yes/No)
	Acetone	0.031	--	--	--	--	--	--	0.0000004	--	--
Antimony	5.5	0.72	ND	5.5	8.2	--	--	0.02	--	--	YES
Arsenic	13.1	1.4	3.4	13.1	4.5	--	--	0.06	3E-04	--	YES
Beryllium	0.25	0.24	0.35	0.25	0.48	--	--	--	--	--	NO
Bis(2-ethylhexyl)phthalate	0.13	--	--	--	--	--	--	0.000009	1E-09	--	NO
Cadmium	3.2	ND	ND	3.2	1.9	--	--	0.009	7E-05	--	YES
Chromium /f/	52.7	15.2	46.1	52.7	22.7	--	--	0.00008	--	--	NO
Copper	257	10.5	18.2	257	8.2	--	--	0.01	--	--	YES
Lead	442	29.0	51.8	442	3.7	--	240	--	--	--	YES
Mercury	7.5	0.13	0.12	7.5	ND	--	--	0.04	--	--	YES
Methylene chloride	0.0035	--	--	--	--	--	--	0.00000008	3E-11	--	NO
Nickel	170	11.6	58	170	19.5	--	--	0.01	2E-04	--	YES
Selenium	1.2	ND	NA	1.2	NA	--	--	0.0003	--	--	NO
Silver	4.8	ND	0.36	4.8	0.49	--	--	0.001	--	--	NO

**Table 4.11b. Selection of COPCs for Chemicals Detected in Subsurface Soil (0 to 10 feet bgs) /a/
 Sites 16 and 17, Site 17 Disposal Area
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum	Maximum	Maximum	Maximum	Essential Nutrient EDD /c/ (mg/day)	HBSL /d/ (mg/kg)	Screening Results /e/		COPC (Yes/No)
	Concentration 0 to 10 feet bgs (mg/kg)	Concentration 0 to 2 feet bgs (Metals Only) (mg/kg)	Background Concentration 0 to 2 feet bgs (mg/kg)	Concentration 2 to 10 feet bgs (Metals Only) (mg/kg)			Background Concentration >2 feet bgs (mg/kg)	Hazard Quotient	
TCDD-TE	3.02E-05	--	--	--	--	--	--	3E-06	YES
Zinc	673	39.8	75.8	673	0.13	--	--	--	NO

COPCs Chemicals of potential concern.
 bgs Below ground surface.
 mg/kg Milligrams per kilogram.
 -- Not applicable or not available.
 3E-04 3 x 10⁻⁴.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.
 /b/ From: Table 4.4b.
 /c/ Estimated daily dose (see Section 4.3 for explanation). The EDD for zinc was compared to the Recommended Daily Allowance for zinc of 5 to 10 mg/day (National Research Council, 1989).
 /d/ Health based screening level for a child receptor (Harding Lawson Associates, Draft Technical Memorandum, Preliminary Remediation Goals, Fort Ord, California, June 14, 1993).
 /e/ See Table C7 of Appendix C for development of screening values.
 /f/ Evaluated as chromium III. Chromium VI was not detected.

**Table 4.12. Selection of COPCs for Chemicals Detected in Groundwater, A-Aquifer /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/l)	Essential Nutrient EDD /c/	Screening Results /d/		COPC (Yes/No)
			Hazard Quotient	Cancer Risk	
Antimony	0.0096	--	0.7	--	YES
Tetrachloroethene	0.0019	--	0.005	1E-06	YES
Toluene	0.0011	--	0.0002	--	NO
Trichloroethene	0.0022	--	0.01	4E-07	YES
Zinc	0.0396	0.040	--	--	NO

COPCs Chemicals of potential concern.
 mg/l Milligrams per liter.
 -- Not applicable or not available.
 1E-06 1 x 10⁻⁶.

/a/ See Section 4.3 for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.6.

/c/ Estimated daily dose (see Appendix B for explanation). This was compared to the Recommended Daily Allowance of 5 to 10 mg/day (National Research Council, 1989).

/d/ See Table C8 of Appendix C for development of screening values.

**Table 4.13. Selection of COPCs for Chemicals Detected in Groundwater, Upper 180-Foot Aquifer /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Chemicals Detected	Maximum /b/ Concentration (mg/l)	Screening Results /c/		COPC (Yes/No)
		Hazard Quotient	Cancer Risk	
Carbon tetrachloride	0.00110	0.04	2E-06	YES
Tetrachloroethene	0.00074	0.002	5E-07	YES
Toluene	0.00048	0.00007	--	NO
Trichloroethene	0.00058	0.003	1E-07	YES

COPCs Chemicals of potential concern.
 mg/l Milligrams per liter.
 -- Not applicable or not available.
 2E-06 2 x 10⁻⁶.

/a/ See Appendix B for explanation. If a chemical is eliminated by any of the steps shown, no further screening information is provided in this table for that chemical.

/b/ From: Table 4.7.

/c/ See Table C8 of Appendix C for development of screening values.

**Table Revisions
Volume III, Sites 16 and 17
Table 4.14**

In Volume III, Sites 16 and 17, in Table 4.14 of pages 1 and 2 replace "*Student Resident*" with "*Student/Faculty Artist*."

**Table 4.14. Site-Specific Intake Assumptions /a/
Sites 16 and 17
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Site Area Scenario/Receptor	Intake Assumptions			
	Exposure Time ET (hours/day)	Fraction of Intake FI (unitless)	Exposure Frequency EF (days/year)	Exposure Duration ED (years)
DOL Maintenance Yard				
<u>Average Scenario</u>				
Commercial Worker	8	0.5	250	10
Construction Worker	8	0.5	30	1
<u>RME Scenario</u>				
Commercial Worker	8	1	250	25
Construction Worker	8	1	250	1
Pete's Pond				
<u>Average Scenario</u>				
Student Resident	0.25	0.05	230	3
Utility Worker	8	0.05	20	1
<u>RME Scenario</u>				
Student Resident	0.25	0.10	300	5
Utility Worker	8	1.00	30	1
Pete's Pond Extension				
<u>Average Scenario</u>				
Student Resident	0.25	0.05	230	3
Utility Worker	8	0.5	20	1
<u>RME Scenario</u>				
Student Resident	0.25	0.10	300	5
Utility Worker	8	1	30	1

**Table 4.14. Site-Specific Intake Assumptions /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Site Area Scenario/Receptor	Intake Assumptions			
	Exposure Time ET (hours/day)	Fraction of Intake FI (unitless)	Exposure Frequency EF (days/year)	Exposure Duration ED (years)
Site 17 Disposal Area				
<u>Average Scenario</u>				
Student Resident	20	0.4	230	3
Construction Worker	8	0.5	30	1
<u>RME Scenario</u>				
Student Resident	20	0.8	300	5
Construction Worker	8	1	250	1

RME Reasonable maximum exposure.

/a/ See Section 6.4.3 for explanation.

**Table 4.15. Exposure Point Concentrations (EPCs) for Soil and Air
Sites 16 and 17, DOL Maintenance Yard
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Soil Depth Chemicals of Potential Concern	Average Exposure Scenario		RME Scenario	
	Soil Concentration /a/ (mg/kg)	Air Concentration /b/ (mg/m ³)	Soil Concentration /c/ (mg/kg)	Air Concentration /b/ (mg/m ³)
<u>Surface Soil (0-2 feet bgs)</u>				
Arsenic	8.73E+00	1.00E-07	2.23E+01	2.56E-07
Cadmium	1.10E+00	1.27E-08	2.40E+00	2.76E-08
TCDD-TE	2.09E-06	2.40E-14	5.76E-06	6.62E-14
<u>Subsurface Soil (0-10 feet bgs)</u>				
Arsenic	3.15E+00	3.62E-08	1.57E+01	1.80E-07
Bis(2-ethylhexyl)phthalate	1.15E+00	1.32E-08	3.72E+00	4.27E-08
Cadmium	5.20E-01	5.98E-09	1.75E+00	2.01E-08
TCDD-TE	2.09E-06	2.40E-14	5.76E-06	6.62E-14

RME Reasonable maximum Exposure.
mg/kg Milligrams per kilogram.
mg/m³ Milligrams per cubic meter.
bgs Below ground surface.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
8.73E+00 8.73 x 10⁺00.
PM10 Particles with a diameter less than or equal to 10 microns.

/a/ Arithmetic mean.

/b/ Air concentration (mg/m³) = soil concentration (mg/kg) x site-specific PM10 (1.15E-2 mg/m³) x conversion factor (1E-6 kg/mg).

/c/ Lesser of the maximum concentration and 95 percent upper confidence limit of the arithmetic mean.

**Table 4.16. Exposure Point Concentrations (EPCs) for Soil and Air
Sites 16 and 17, Pete's Pond
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Soil Depth Chemicals of Potential Concern	Average Exposure Scenario		RME Scenario	
	Soil Concentration /a/ (mg/kg)	Air Concentration /b/ (mg/m ³)	Soil Concentration /c/ (mg/kg)	Air Concentration /b/ (mg/m ³)
<u>Surface Soil (0-2 feet bgs)</u>				
Arsenic	1.56E+00	1.79E-08	3.27E+00	3.76E-08
Beryllium	1.40E-01	1.61E-09	3.20E-01	3.68E-09
Cadmium	1.21E+00	1.39E-08	4.09E+00	4.70E-08
Chlordane	5.40E-02	6.21E-10	8.40E-02	9.66E-10
TCDD-TE	1.12E-06	1.29E-14	2.79E-06	3.21E-14
<u>Subsurface Soil (0-10 feet bgs)</u>				
Arsenic	1.08E+00	1.24E-08	2.47E+00	2.84E-08
Beryllium	1.90E-01	2.19E-09	4.00E-01	4.60E-09
Cadmium	6.70E-01	7.71E-09	2.57E+00	2.96E-08
Chlordane	5.17E-02	5.95E-10	8.40E-02	9.66E-10
TCDD-TE	1.12E-06	1.29E-14	2.79E-06	3.21E-14

RME Reasonable maximum Exposure.
mg/kg Milligrams per kilogram.
mg/m³ Milligrams per cubic meter.
bgs Below ground surface.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
1.56E+00 1.56 x 10⁰.
PM10 Particles with a diameter less than or equal to 10 microns.

/a/ Arithmetic mean.

/b/ Air concentration (mg/m³) = soil concentration (mg/kg) x site-specific PM10 (1.15E-2 mg/m³) x conversion factor (1E-6 kg/mg).

/c/ Lesser of the maximum concentration and 95 percent upper confidence limit of the arithmetic mean.

**Table 4.17. Exposure Point Concentrations (EPCs) for Soil and Air
Sites 16 and 17, Pete's Pond Extension
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Soil Depth Chemicals of Potential Concern	Average Exposure Scenario		RME Scenario	
	Soil Concentration /a/ (mg/kg)	Air Concentration /b/ (mg/m ³)	Soil Concentration /c/ (mg/kg)	Air Concentration /b/ (mg/m ³)
<u>Surface Soil (0-2 feet bgs)</u>				
Antimony	1.54E+00	1.77E-08	5.77E+00	6.64E-08
Arsenic	1.96E+00	2.25E-08	4.81E+00	5.53E-08
Cadmium	6.50E-01	7.48E-09	1.38E+00	1.59E-08
Chlordane	4.97E-02	5.71E-10	6.30E-02	7.25E-10
Copper	5.63E+01	6.47E-07	2.91E+02	3.34E-06
4,4'-DDT	3.14E-02	3.61E-10	7.60E-02	8.74E-10
Lead	1.23E+02	1.42E-06	5.66E+02	6.51E-06
TCDD-TE	1.25E-06	1.44E-14	2.20E-06	2.53E-14
<u>Subsurface Soil (0-10 feet bgs)</u>				
Antimony	1.00E+00	1.15E-08	4.16E+00	4.78E-08
Arsenic	1.50E+00	1.73E-08	3.77E+00	4.34E-08
Cadmium	5.30E-01	6.10E-09	1.08E+00	1.24E-08
Chlordane	4.97E-02	5.71E-10	6.30E-02	7.25E-10
Copper	3.54E+01	4.07E-07	2.01E+02	2.31E-06
4,4'-DDT	3.14E-02	3.61E-10	7.60E-02	8.74E-10
Lead	7.72E+01	8.88E-07	4.08E+02	4.70E-06
Nickel	1.18E+01	1.36E-07	1.91E+01	2.20E-07
TCDD-TE	5.15E-06	5.92E-14	2.18E-05	2.51E-13

RME Reasonable maximum exposure.
 mg/kg Milligrams per kilogram.
 mg/m³ Milligrams per cubic meter.
 bgs Below ground surface.
 TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
 1.54E+00 1.54 x 10⁰.
 PM10 Particles with a diameter less than or equal to 10 microns.

/a/ Arithmetic mean.

/b/ Air concentration (mg/m³) = soil concentration (mg/kg) x site-specific PM10 (1.15E-2 mg/m³) x conversion factor (1E-6 kg/mg).

/c/ Lesser of the maximum concentration and 95 percent upper confidence limit of the arithmetic mean.

**Table 4.18. Exposure Point Concentrations (EPCs) for Soil and Air
Sites 16 and 17, Site 17 Disposal Area
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Soil Depth Chemicals of Potential Concern	Average Exposure Scenario		RME Scenario	
	Soil	Air	Soil	Air
	Concentration /a/ (mg/kg)	Concentration /b/ (mg/m ³)	Concentration /c/ (mg/kg)	Concentration /b/ (mg/m ³)
<u>Surface Soil (0-2 feet bgs)</u>				
TCDD-TE	1.77E-06	2.04E-14	4.06E-06	4.67E-14
<u>Subsurface Soil (0-10 feet bgs)</u>				
Antimony	1.51E+00	1.74E-08	4.27E+00	4.91E-08
Arsenic	1.60E+00	1.84E-08	6.52E+00	7.50E-08
Cadmium	5.20E-01	5.98E-09	1.53E+00	1.76E-08
Copper	2.21E+01	2.54E-07	1.37E+02	1.57E-06
Lead	5.22E+01	6.01E-07	2.82E+02	3.24E-06
Mercury	5.00E-01	5.75E-09	3.38E+00	3.89E-08
Nickel	1.79E+01	2.06E-07	8.30E+01	9.55E-07
TCDD-TE	7.11E-06	8.18E-14	3.02E-05	3.47E-13

RME Reasonable maximum exposure.
mg/kg Milligrams per kilogram.
mg/m³ Milligrams per cubic meter.
bgs Below ground surface.
TCDD-TE 2,3,7,8-Tetrachlorodibenzo-p-dioxin toxic equivalents.
1.77E-06 1.77 x 10⁻⁶.
PM10 Particles with a diameter less than or equal to 10 microns.

/a/ Arithmetic mean.

/b/ Air concentration (mg/m³) = soil concentration (mg/kg) x site-specific PM10 (1.15E-2 mg/m³) x conversion factor (1E-6 kg/mg).

/c/ Lesser of the maximum concentration and 95 percent upper confidence limit of the arithmetic mean.

**Table 4.19. Exposure Point Concentrations (EPCs) for Groundwater
Sites 16 and 17, Site 17 Disposal Area
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

<u>Aquifer</u> Chemicals of Potential Concern	<u>Average Scenario</u> Groundwater Concentration /a/ (mg/l)	<u>RME Scenario</u> Groundwater Concentration /b/ (mg/l)
<u>A-Aquifer</u>		
Antimony	6.60E-03	9.60E-03
Tetrachloroethene	6.20E-04	1.90E-03
Trichloroethene	8.00E-04	2.20E-03
<u>180-Foot Aquifer</u>		
Carbon tetrachloride	9.20E-04	1.10E-03
Tetrachloroethene	4.10E-04	7.40E-04
Trichloroethene	5.00E-04	5.80E-04

RME Reasonable maximum exposure.
mg/l Milligrams per liter.
6.60E-03 6.60 x 10⁻³.

/a/ Arithmetic mean.

/b/ Lesser of the maximum concentration and 95 percent upper confidence limit of the arithmetic mean.

**Table Revisions
Volume III, Sites 16 and 17
Table 4.20**

In Volume III, Sites 16 and 17, replace Table 4.20 with Table 4.20R.

**Table 4.20-R. Total Hazard Index (HI) by Area, Student Resident Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Ingestion of Groundwater /b/	Inhalation of VOCs from Groundwater /b/	Total HIs by Area /b/
<u>Average Scenario</u>						
Pete's Pond	0.0002	0.00004	<0.000001	NA	NA	0.0002
Pete's Pond Extension	0.0003	0.00006	<0.000001	NA	NA	0.0004
Site 17 Disposal Area /c/	NA	NA	NA	0.01 (0.1)	0.01 (0.1)	0.02 (0.2)
Pathway Totals	0.001	0.0001	<0.000001	0.01 (0.1)	0.01 (0.1)	
Total Multipathway HI						0.02 (0.2)
<u>RME Scenario</u>						
Pete's Pond	0.002	0.001	<0.000001	NA	NA	0.003
Pete's Pond Extension	0.005	0.002	0.000002	NA	NA	0.007
Site 17 Disposal Area /c/	NA	NA	NA	0.04 (0.5)	0.04 (0.5)	0.08 (1)
Pathway Totals	0.007	0.003	0.000002	0.04 (0.5)	0.04 (0.5)	
Total Multipathway HI						0.09 (1)

NA Not available.
 RME Reasonable maximum exposure.

- /a/ Chemical-specific hazard quotients are presented in Tables E8 - E15 (Appendix E).
- /b/ Exposures to COPCs in groundwater were evaluated separately for the Upper 180-foot and A-aquifers. Hazard indices for exposures to COPCs in the A-aquifer are presented in parentheses beside the hazard indices for exposures to COPCs in the 180-foot aquifer. See Section 4.6.1.1.
- /c/ Potential noncarcinogenic health effects were not evaluated for soil pathways at the Site 17 Disposal Area because the one chemical of potential concern in soil, 2,3,7,8-TCDD toxic equivalents (TCDD-TE), has a carcinogenic slope factor but no available noncancer reference dose.

**Table 4.20. Total Hazard Index (HI) by Area, Student Resident Receptor /a/
Sites 16 and 17
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

<u>Scenario</u> <u>Receptor Location</u>	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Ingestion of Groundwater /b/	Inhalation of VOCs from Groundwater /b/	Total HIs by Area /b/
<u>Average Scenario</u>						
Pete's Pond	0.0002	0.00004	<0.000001	NA	NA	0.0002
Pete's Pond Extension	0.0003	0.00006	<0.000001	NA	NA	0.0004
Site 17 Disposal Area /c/	NA	NA	NA	0.01 (0.1)	0.01 (0.1)	0.02 (0.2)
Pathway Totals	0.001	0.0001	<0.000001	0.01 (0.1)	0.01 (0.1)	
Total Multipathway HI						0.02 (0.2)
<u>RME Scenario</u>						
Pete's Pond	0.002	0.0009	<0.000001	NA	NA	0.003
Pete's Pond Extension	0.005	0.002	0.000002	NA	NA	0.007
Site 17 Disposal Area /c/	NA	NA	NA	0.04 (0.5)	0.04 (0.5)	0.08 (1)
Pathway Totals	0.007	0.003	0.000002	0.04 (0.5)	0.04 (0.5)	
Total Multipathway HI						0.09 (1)

NA Not available.
RME Reasonable maximum exposure.

- /a/ Chemical-specific hazard quotients are presented in Tables E8 - E15 (Appendix E).
/b/ Exposures to COPCs in groundwater were evaluated separately for the Upper 180-foot and A-aquifers. Hazard indices for exposures to COPCs in the A-aquifer are presented in parentheses beside the hazard indices for exposures to COPCs in the 180-foot aquifer. See Section 4.6.1.1.
/c/ Potential noncarcinogenic health effects were not evaluated for soil pathways at the Site 17 Disposal Area because the one chemical of potential concern in soil, 2,3,7,8-TCDD toxic equivalents (TCDD-TE), has a carcinogenic slope factor but no available noncancer reference dose.

**Table 4.21. Total Hazard Index (HI), Utility Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total HI
<u>Average Scenario</u>				
Pete's Pond	0.0001	0.00003	<0.000001	0.0001
Pete's Pond Extension	0.0002	0.00004	<0.000001	0.0003
<u>RME Scenario</u>				
Pete's Pond	0.008	0.0007	0.000002	0.009
Pete's Pond Extension	0.02	0.004	0.000004	0.02

RME Reasonable maximum exposure.

/a/ Chemical-specific hazard quotients are presented in Tables E16 - E19 (Appendix E).

**Table 4.22. Total Hazard Index (HI), Construction Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total HI
<u>Average Scenario</u>				
Site 17 Disposal Area	0.0004	0.00006	0.000003	0.0005
DOL Maintenance Yard	0.0003	0.00008	0.000002	0.0004
<u>RME Scenario</u>				
Site 17 Disposal Area	0.3	0.02	0.0002	0.3
DOL Maintenance Yard	0.3	0.03	0.0002	0.3

RME Reasonable maximum exposure.

/a/ Chemical-specific hazard quotients are presented in Tables E20 - E23 (Appendix E).

**Table 4.23. Total Hazard Index (HI), Commercial Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total HI
<u>Average Scenario</u>				
DOL Maintenance Yard	0.008	0.002	0.00002	0.009
<u>RME Scenario</u>				
DOL Maintenance Yard	0.04	0.04	0.00009	0.08

RME Reasonable maximum exposure.

/a/ Chemical-specific hazard quotients are presented in Tables E24 - E25 (Appendix E).

**Table Revisions
Volume III, Sites 16 and 17
Table 4.24**

In Volume III, Sites 16 and 17, replace Table 4.24 with Table 4.24R.

**Table 4.24-R. Total Cancer Risk by Area, Student Resident Receptor /a/
Sites 16 and 17
Volume III - Baseline Risk Assessment, Basewide RI/FS
Fort Ord, California**

Scenario Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Ingestion of Groundwater /b/	Inhalation of VOCs from Groundwater /b/	Total Risk by Area /b/
<u>Average Scenario</u>						
Pete's Pond	6.21E-09	1.31E-09	6.58E-11	NA	NA	8E-09
Pete's Pond Extension	5.77E-09	1.48E-09	6.03E-11	NA	NA	7E-09
Site 17 Disposal Area	1.47E-09	2.67E-10	1.30E-11	8.02E-08 (2.10E-08)	7.90E-08 (1.91E-08)	2E-07 (4E-08)
Pathway Totals	1E-08	3E-09	1E-10	8E-08 (2E-08)	8E-08 (2E-08)	
Total Risk						2E-07 (4E-08)
<u>RME Scenario</u>						
Pete's Pond	3.46E-07	1.61E-07	1.71E-09	NA	NA	5E-07
Pete's Pond Extension	3.63E-07	2.07E-07	1.41E-09	NA	NA	6E-07
Site 17 Disposal Area	8.77E-08	3.85E-08	5.88E-10	1.77E-06 (1.09E-06)	1.75E-06 (9.98E-07)	5E-06 (2E-06)
Pathway Totals	8E-07	4E-07	4E-09	2E-06 (1E-06)	2E-06 (1E-06)	
Total Risk						6E-06 (2E-06)

3.71E-09

3.71 x 10⁻⁹.

NA

Not available/pathway not evaluated.

RME

Reasonable maximum exposure.

/a/ Chemical-specific risks are presented in Tables E8 - E15 (Appendix E).

/b/ Exposure to COPCs in groundwater were evaluated separately for the Upper 180-foot and A-aquifers. Risks for exposures to COPCs in the A-aquifer are presented in parentheses beside the risks for exposure to COPCs in the 180-foot aquifer.

See Section 4.6.2.1.

**Table 4.24. Total Cancer Risk by Area, Student Resident Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Ingestion of Groundwater /b/	Inhalation of VOCs from Groundwater /b/	Total Risk by Area /b/
<u>Average Scenario</u>						
Pete's Pond	3.71E-09	7.89E-10	3.96E-11	NA	NA	5E-09
Pete's Pond Extension	3.46E-09	8.84E-10	3.63E-11	NA	NA	4E-09
Site 17 Disposal Area	8.81E-10	1.73E-10	1.95E-11	4.74E-08 (1.26E-08)	4.81E-08 (1.14E-08)	1E-07 (3E-08)
Pathway Totals	8E-09	2E-09	1E-10	5E-08 (1E-08)	5E-08 (1E-08)	
Total Risk						1E-07 (3E-08)
<u>RME Scenario</u>						
Pete's Pond	6.92E-08	3.22E-08	3.43E-10	NA	NA	1E-07
Pete's Pond Extension	7.27E-08	4.13E-08	2.81E-10	NA	NA	1E-07
Site 17 Disposal Area	1.76E-08	7.73E-09	1.47E-10	3.50E-07 (2.18E-07)	3.55E-07 (2.00E-07)	7E-07 (4E-07)
Pathway Totals	2E-07	8E-08	8E-10	4E-07 (2E-07)	4E-07 (2E-07)	
Total Risk						9E-07 (7E-07)

3.71E-09

3.71 x 10⁻⁹.

NA

Not available/pathway not evaluated.

RME

Reasonable maximum exposure.

/a/ Chemical-specific risks are presented in Tables E8 - E15 (Appendix E).

/b/ Exposure to COPCs in groundwater were evaluated separately for the Upper 180-foot and A-aquifers. Risks for exposures to COPCs in the A-aquifer are presented in parentheses beside the risks for exposure to COPCs in the 180-foot aquifer.

See Section 4.6.2.1.

**Table 4.25. Total Cancer Risk, Utility Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total Risk
<u>Average Scenario</u>				
Pete's Pond	9.40E-10	1.77E-10	2.40E-11	1E-09
Pete's Pond Extension	8.49E-10	2.13E-10	3.59E-11	1E-09
<u>RME Scenario</u>				
Pete's Pond	5.96E-08	5.29E-09	1.54E-10	7E-08
Pete's Pond Extension	6.53E-08	7.46E-09	1.80E-10	7E-08

9.40E-10 9.40 x 10⁻¹⁰.
 RME Reasonable maximum exposure.

/a/ Chemical-specific risks are presented in Tables E16 - E19 (Appendix E).

**Table 4.26. Total Cancer Risk, Construction Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Scenario Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total Risk
<u>Average Scenario</u>				
Site 17 Disposal Area	1.36E-09	3.35E-10	1.06E-10	2E-09
DOL Maintenance Yard	2.37E-09	6.02E-10	1.20E-10	3E-09
<u>RME Scenario</u>				
Site 17 Disposal Area	8.97E-07	1.02E-07	7.74E-09	1E-06
DOL Maintenance Yard	1.87E-06	2.25E-07	1.01E-08	2E-06

1.36E-09 1.36 x 10⁻⁹.
 RME Reasonable maximum exposure.

/a/ Chemical-specific risks are presented in Tables E20 - E23 (Appendix E).

**Table 4.27. Total Cancer Risk, Commercial Worker Receptor /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

<u>Scenario</u> Receptor Location	Ingestion of Soil	Dermal Contact with Soil	Inhalation of Dust	Total Risk
<u>Average Scenario</u>				
DOL Maintenance Yard	5.38E-07	1.36E-07	1.58E-08	7E-07
<u>RME Scenario</u>				
DOL Maintenance Yard	6.90E-06	7.78E-06	1.49E-07	1E-05

5.38E-07 5.38 x 10⁻⁷.
 RME Reasonable maximum exposure.

/a/ Chemical-specific risks are presented in Tables E24 - E25 (Appendix E).

**Table Revisions
Volume III, Sites 16 and 17
Table 4.28**

In Volume III, Sites 16 and 17, replace "*Student Resident*" with "*Student/Faculty Artist*."

**Table 4.28. Summary of Model-Predicted Blood-Lead Levels from Multipathway Exposures /a/
 Sites 16 and 17
 Volume III - Baseline Risk Assessment, Basewide RI/FS
 Fort Ord, California**

Model Name Receptor, Site Area	Blood-Lead Level ($\mu\text{g}/\text{dl}$)			
	Average Exposure		RME	
	95th Percentile	99th Percentile	95th Percentile	99th Percentile
LEADSPREAD Model /a/				
Student Resident, Pete's Pond Extension	3.20	4.10	3.72	4.73
Utility Worker, Pete's Pond Extension	3.15	4.01	3.53	4.50
Construction Worker, Site 17 Disposal Area	3.12	3.97	3.38	4.31

$\mu\text{g}/\text{dl}$ Micrograms lead per deciliter blood.
 RME Reasonable maximum exposure.

/a/ LEADSPREAD Model outputs on which this table's blood-lead levels are presented in Tables F5 - F10 (Appendix F).