Table C27-a. Screened Chemicals NODA.

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1		Step 2	Step 3		Step 4		Site COPC?		
			INEEL Background Concentration (mg/kg or pCi/g)	Max Concentration > background?	Nontoxic Metal?	Region 9/3 RBC (mg/kg or pCi/g)	Max Concentration > RBC?	INEEL EBSL (mg/kg or pCi/g)	Max Concentration > EBSL?	HHRA	ERA	HHRA[h]
1,1-Dichloroethane	NODA Area #2	8.70E-02	NA	NA	No	5.89E+02	No	6.95E+00	No	No	No	No
1,1-Dichloroethene	NODA Area #2	5.50E-02	NA	NA	No	1.06E+00	No	2.19E+00	No	No	No	No
1,3,5-Trinitrobenzene	NODA Area #2	2.70E+00	NA	NA	No	1.83E+03	No	No EBSL	No EBSL	No	Yes	No
1,3-Dinitrobenzene	NODA Area #2	2.48E-01	NA	NA	No	6.11E+00	No	7.82E-02	Yes	No	Yes	No
2,4,6-Trinitrotoluene	NODA Area #2	1.00E+02	NA	NA	No	1.62E+01	Yes	No EBSL	No EBSL	Yes	Yes	Yes
2,4-Dinitrotoluene	NODA Area #2	3.06E-01	NA	NA	No	1.22E+02	No	1.54E+00	No	No	No	No
2-Amino-4,6-Dinitrotoluene	NODA Area #2	2.47E+00	NA	NA	No	4.70E+00	No	No EBSL	No EBSL	No	Yes	Yes[i]
2-Hexanone	NODA Area #2	5.00E-03	NA	NA	No	3.13E+03	No	No EBSL	No EBSL	No	Yes	No
2-Methylnaphthalene	NODA Area #2	3.80E-02	NA	NA	No	1.56E+03	No	No EBSL	No EBSL	No	Yes	No
2-Pentanone	NODA Area #2	5.10E+01	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	Yes	Yes	Yes
4-Amino-2,6-Dinitrotoluene	NODA Area #2	3.33E+00	NA	NA	No	4.70E+00	No	No EBSL	No EBSL	No	Yes	Yes[i]
4-Chloro-3-methylphenol	NODA Area #2	6.00E-02	NA	NA	No	No RBC	No RBC	1.80E+01	No	Yes	No	Yes
4-Methyl-2-Pentanone	NODA Area #2	5.00E-03	NA	NA	No	6.30E+03	No	No EBSL	No EBSL	No	Yes	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
4-Nitrophenol	NODA Area #2	3.50E-01	NA	NA	No	4.89E+02	No	No EBSL	No EBSL	No	Yes	No
Acetone	NODA Area #2	6.90E-02	NA	NA	No	1.57E+03	No	5.53E-01	No	No	No	No
Aluminum	NODA Area #2	2.46E+04	1.60E+04	Yes	Yes	7.61E+04	No	8.50E+00	Yes	No	No	Yes[i]
Antimony	NODA Area #2	5.16E+01	4.80E+00	Yes	No	3.13E+01	Yes	1.35E+00	Yes	Yes	Yes	Yes
Arsenic	NODA Area #2	4.16E+01	5.80E+00	Yes	No	3.90E-01	Yes	8.44E-01	Yes	No[a]	No[a]	No[a]
Barium	NODA Area #2	1.74E+03	3.00E+02	Yes	No	5.48E+03	No	1.10E+01	Yes	No	Yes	Yes[i]
Benzene	NODA Area #2	8.80E-02	NA	NA	No	6.72E-01	No	5.50E+00	No	No	No	Yes[i]
Benzo(g,h,i)perylene	NODA Area #2	1.70E-01	NA	NA	No	No RBC	No RBC	2.69E+00[n]	No	Yes	No	Yes
Beryllium	NODA Area #2	1.60E+00	1.80E+00	No	No	1.56E+02	No	7.14E-01	Yes	No	No	No
bis(2-Ethylhexyl)phthalate	NODA Area #2	3.90E-01	NA	NA	No	3.50E+01	No	2.56E+00[k]	No	No	No	No
Cadmium	NODA Area #2	1.33E+01	2.20E+00	Yes	No	3.90E+01	No	2.36E-03	Yes	No	Yes	Yes[i]
Calcium	NODA Area #2	7.23E+04	2.40E+04	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Chlorobenzene	NODA Area #2	6.70E-02	NA	NA	No	1.52E+02	No	No EBSL	No EBSL	No	Yes	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Chromium	NODA Area #2	6.76E+01	3.30E+01	Yes	No	2.10E+02	No	1.00E+00	Yes	No	Yes	Yes[i]
Cobalt	NODA Area #2	1.71E+01	1.10E+01	Yes	No	4.69E+03	No	4.27E-01	Yes	No	Yes	No
Copper	NODA Area #2	2.40E+04	2.20E+01	Yes	No	2.90E+03	Yes	2.11E+00	Yes	Yes	Yes	Yes
Decane, 3,4-dimethyl	NODA Area #2	6.00E-03	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[e]	No[e]	No[e]
Di-n-butylphthalate	NODA Area #2	5.10E-02	NA	NA	No	6.10E+03	No	1.50E+01	No	No	No	No
Fluoride	NODA Area #2	2.20E+02	NA	NA	No	3.67E+03	No	2.69E+00	Yes	No	No[1]	No
HMX	NODA Area #2	1.10E+00	NA	NA	No	3.06E+03	No	No EBSL	No EBSL	No	Yes	No
Iron	NODA Area #2	2.78E+04	2.40E+04	Yes	Yes	2.35E+04	Yes	No EBSL	No EBSL	No	No	No[j]
Lead	NODA Area #2	1.79E+03	1.70E+01	Yes	No	4.00E+02	Yes	9.94E-01	Yes	Yes	Yes	Yes
Magnesium	NODA Area #2	1.98E+04	1.20E+04	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Manganese	NODA Area #2	1.29E+03	4.90E+02	Yes	No	1.60E+03	No	1.05E+01	Yes	No	Yes	Yes[i]
Mercury	NODA Area #2	2.40E+00	5.00E-02	Yes	No	6.10E+00	No	3.00E-01	Yes	No	Yes	Yes[i]

[1] Fluoride was removed from the ERA COPC list since the maximum concentration was within the background levels (see Appendix F).

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Methylene Chloride	NODA Area #2	6.10E-02	NA	NA	No	8.88E+00	No	1.00E+00	No	No	No	No
Nickel	NODA Area #2	3.72E+02	3.50E+01	Yes	No	1.56E+03	No	3.00E+01	Yes	No	Yes	Yes[i]
Nitrate/Nitrite-N	NODA Area #2	5.46E+02	NA	NA	No	7.82E+03	No	No EBSL	No EBSL	No	Yes	No
Nitrite	NODA Area #2	5.60E+01	NA	NA	No	7.82E+03	No	No EBSL	No EBSL	No	Yes	No
Octane,2,3,7-trimethyl	NODA Area #2	6.00E-03	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[c]	No[c]	No[c]
Pentachlorophenol	NODA Area #2	3.20E-01	NA	NA	No	2.98E+00	No	1.30E-01	Yes	No	Yes	Yes[i]
Picric Acid	NODA Area #2	1.16E+00	NA	NA	No	8.10E+02	No	No EBSL	No EBSL	No	Yes	No
Pyrene	NODA Area #2	2.50E-01	NA	NA	No	2.35E+03	No	4.22E+01	No	No	No	No
RDX	NODA Area #2	3.28E+02	NA	NA	No	4.42E+00	Yes	No EBSL	No EBSL	Yes	Yes	Yes
Silver	NODA Area #2	1.10E+01	NA	NA	No	3.91E+02	No	2.00E+00	Yes	No	Yes	No
Sodium	NODA Area #2	3.10E+03	3.20E+02	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Strontium	NODA Area #2	8.18E+01	NA	NA	No	4.69E+04	No	5.91E+00	Yes	No	Yes	No
Sulfate	NODA Area #2	3.80E+02	NA	NA	No	No RBC	No RBC	1.72E+01	Yes	No[c]	No[c]	No[c]

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Tetryl	NODA Area #2	1.39E+01	NA	NA	No	7.82E+02	No	No EBSL	No EBSL	No	Yes	No
Thallium	NODA Area #2	2.68E+01	4.30E-01	Yes	No	5.48E+00	Yes	1.72E+01	Yes	Yes	Yes	Yes
Toluene	NODA Area #2	5.80E-02	NA	NA	No	5.20E+02	No	6.04E+01	No	No	No	No
Total Phosphorus	NODA Area #2	6.32E+01	NA	NA	No	1.56E+00	Yes	No EBSL	No EBSL	No[d]	Yes	No[d]
Trichloroethene	NODA Area #2	5.50E-02	NA	NA	No	2.80E+00	No	1.74E+01	No	No	No	No
Undecane,4,6-dimethyl-	NODA Area #2	6.00E-03	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[e]	No[e]	No[e]
Vanadium	NODA Area #2	6.07E+01	4.50E+01	Yes	No	5.48E+02	No	1.49E+00	Yes	No	Yes	Yes[i]
Zinc	NODA Area #2	3.62E+02	1.50E+02	Yes	No	2.35E+04	No	3.29E+00	Yes	No	Yes	No
2-Hexanone	NODA Area #3	4.10E-02	NA	NA	No	3.13E+03	No	No EBSL	No EBSL	No	Yes	No
2-Pentanone	NODA Area #3	4.86E+01	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	Yes	Yes	Yes
Acetone	NODA Area #3	8.40E-02	NA	NA	No	1.57E+03	No	5.53E-01	No	No	No	No
Aluminum	NODA Area #3	2.18E+04	1.60E+04	Yes	Yes	7.61E+04	No	8.50E+00	Yes	No	No	Yes[l]
Aroclor-1260	NODA Area #3	8.40E-03	NA	NA	No	2.20E-01	No	8.02E+00	No	No	No	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Aroclor-1268	NODA Area #3	1.23E+00	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[f]	No[f]	No[f]
Barium	NODA Area #3	1.14E+03	3.00E+02	Yes	No	5.48E+03	No	1.10E+01	Yes	No	Yes	Yes[l]
Beryllium	NODA Area #3	1.10E+00	1.80E+00	No	No	1.56E+02	No	7.14E-01	Yes	No	No	No
bis(2-Ethylhexyl)phthalate	NODA Area #3	1.50E+00	NA	NA	No	3.50E+01	No	2.56E+00[k]	No	No	No	No
Butylbenzylphthalate	NODA Area #3	6.50E-02	NA	NA	No	1.20E+04	No	1.43E+01	No	No	No	No
Chromium	NODA Area #3	3.68E+01	3.30E+01	Yes	No	2.10E+02	No	1.00E+00	Yes	No	Yes	Yes[l]
Cobalt	NODA Area #3	1.39E+01	1.10E+01	Yes	No	4.69E+03	No	4.27E-01	Yes	No	Yes	No
Copper	NODA Area #3	3.83E+01	2.20E+01	Yes	No	2.90E+03	No	2.11E+00	Yes	No	Yes	No
Di-n-butylphthalate	NODA Area #3	6.80E-02	NA	NA	No	6.10E+03	No	1.50E+01	No	No	No	No
Di-n-octylphthalate	NODA Area #3	4.00E-01	NA	NA	No	1.20E+03	No	4.71E+01	No	No	No	No
Fluoride	NODA Area #3	1.70E+02	NA	NA	No	3.67E+03	No	2.69E+00	Yes	No	No[b]	No
Iron	NODA Area #3	3.10E+04	2.40E+04	Yes	Yes	2.35E+04	Yes	No EBSL	No EBSL	No	No	No[k]
Lead	NODA Area #3	2.36E+01	1.70E+01	Yes	No	4.00E+02	No	9.94E-01	Yes	No	Yes	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Magnesium	NODA Area #3	1.46E+04	1.20E+04	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Manganese	NODA Area #3	6.77E+02	4.90E+02	Yes	No	1.60E+03	No	1.05E+01	Yes	No	Yes	Yes[l]
Mercury	NODA Area #3	5.00E-02	5.00E-02	Yes	No	6.10E+00	No	3.00E-01	No	No	No	No
Methylene Chloride	NODA Area #3	5.70E-02	NA	NA	No	8.88E+00	No	1.00E+00	No	No	No	No
Nickel	NODA Area #3	5.96E+01	3.50E+01	Yes	No	1.56E+03	No	3.00E+01	Yes	No	Yes	No
Potassium	NODA Area #3	3.80E+03	4.30E+03	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Sulfate	NODA Area #3	2.80E+02	NA	NA	No	No RBC	No RBC	1.72E+01	Yes	No[c]	No[c]	No[c]
Vanadium	NODA Area #3	4.67E+01	4.50E+01	Yes	No	5.48E+02	No	1.49E+00	Yes	No	Yes	No
Zinc	NODA Area #3	2.61E+02	1.50E+02	Yes	No	2.35E+04	No	3.29E+00	Yes	No	Yes	No
Aluminum	NODA Area #4	9.02E+03	1.60E+04	No	Yes	7.61E+04	No	8.50E+00	Yes	No	No	No
Antimony	NODA Area #4	1.50E+00	4.80E+00	No	No	3.13E+01	No	1.35E+00	Yes	No	No	No
Arsenic	NODA Area #4	7.40E+00	5.80E+00	Yes	No	3.90E-01	Yes	8.44E-01	Yes	No	No	No
Barium	NODA Area #4	2.18E+02	3.00E+02	No	No	5.48E+03	No	1.10E+01	Yes	No	No	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Benzo(a)pyrene	NODA Area #4	1.00E+00	NA	NA	No	6.20E-02	Yes	2.69E+00	No	Yes	No	Yes
Beryllium	NODA Area #4	7.50E-01	1.80E+00	No	No	1.56E+02	No	7.14E-01	Yes	No	No	No
Cadmium	NODA Area #4	9.20E-01	2.20E+00	No	No	3.90E+01	No	2.36E-03	Yes	No	No	No
Calcium	NODA Area #4	1.85E+04	2.40E+04	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Chromium	NODA Area #4	2.63E+01	3.30E+01	No	No	2.10E+02	No	1.00E+00	Yes	No	No	No
Chrysene	NODA Area #4	7.80E-01	NA	NA	No	6.20E+01	No	2.69E+00	No	No	No	No
Cobalt	NODA Area #4	1.06E+01	1.10E+01	No	No	4.69E+03	No	4.27E-01	Yes	No	No	No
Copper	NODA Area #4	1.91E+01	2.20E+01	No	No	2.90E+03	No	2.11E+00	Yes	No	No	No
Ethylbenzene	NODA Area #4	1.00E-03	NA	NA	No	2.30E+02	No	5.52E+01	No	No	No	No
Fluoranthene	NODA Area #4	3.60E-01	NA	NA	No	2.30E+03	No	3.38E+01	No	No	No	No
Fluoride	NODA Area #4	1.80E+02	NA	NA	No	3.67E+03	No	2.69E+00	Yes	No	No[1]	No
Gasoline Range C7-C12 Idaho	NODA Arca #4	2.00E-04	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[g]	No[g]	No[g]
Heneicosane, 11- (1-ethylprop	NODA Area #4	1.49E-02	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	No[g]	No[g]	No[g]

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Iron	NODA Area #4	1.87E+04	2.40E+04	No	Yes	2.35E+04	No	No EBSL	No EBSL	No	No	No
Lead	NODA Area #4	1.56E+01	1.70E+01	No	No	4.00E+02	No	9.94E-01	Yes	No	No	No
Magnesium	NODA Area #4	8.07E+03	1.20E+04	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Manganese	NODA Area #4	5.55E+02	4.90E+02	Yes	No	1.60E+03	No	1.05E+01	Yes	No	Yes	Yes[m]
Mercury	NODA Area #4	2.00E-02	5.00E-02	No	No	6.10E+00	No	3.00E-01	No	No	No	No
Methapyrilene	NODA Area #4	1.70E+00	NA	NA	No	No RBC	No RBC	No EBSL	No EBSL	Yes	Yes	Yes
Nickel	NODA Area #4	3.46E+01	3.50E+01	No	No	1.56E+03	No	3.00E+01	Yes	No	No	No
Phenanthrene	NODA Area #4	3.30E-01	NA	NA	No	No RBC	No RBC	1.35E+02	No	Yes	No	Yes
Potassium	NODA Area #4	2.01E+03	4.30E+03	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Pyrene	NODA Area #4	3.30E+00	NA	NA	No	2.35E+03	No	4.22E+01	No	No	No	No
Selenium	NODA Area #4	1.00E+00	2.20E-01	Yes	No	3.91E+02	No	1.72E-01	Yes	No	Yes	No
Silver	NODA Area #4	1.60E-01	NA	NA	No	3.91E+02	No	2.00E+00	No	No	No	No
Sodium	NODA Area #4	1.49E+02	3.20E+02	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]
Sulfate	NODA Area #4	2.10E+03	NA	NA	No	No RBC	No RBC	1.72E+01	Yes	No[c]	No[c]	No[c]
Toluene	NODA Area #4	1.10E-02	NA	NA	No	5.20E+02	No	6.04E+01	No	No	No	No
TPH-Diesel	NODA Area #4	1.20E+03	NA	NA	No	1.00E+03	Yes	No EBSL	No EBSL	Yes	Yes	Yes
Vanadium	NODA Area #4	2.85E+01	4.50E+01	No	No	5.48E+02	No	1.49E+00	Yes	No	No	No
Xylene (ortho)	NODA Area #4	2.00E-03	NA	NA	No	2.10E+02	No	2.78E-01	No	No	No	No
Xylene (total meta and para)	NODA Area #4	5.00E-03	NA	NA	No	2.10E+02	No	2.78E-01	No	No	No	No
Xylene	NODA Area #4	9.00E-03	NA	NA	No	2.10E+02	No	2.78E-01	No	No	No	No
Zinc	NODA Area #4	1.20E+02	1.50E+02	No	No	2.35E+04	No	3.29E+00	Yes	No	No	No

Table C27-a. (continued).

Detected Contaminants	Site Sampled	Max Source Concentration (mg/kg or pCi/g)	Step 1: INEEL Background Concentration (mg/kg or pCi/g)	Step 1: Max Concentration > background?	Step 2: Nontoxic Metal?	Step 3: Region 9/3 RBC (mg/kg or pCi/g)	Step 3: Max Concentration > RBC?	Step 4: INEEL EBSL (mg/kg or pCi/g)	Step 4: Max Concentration > EBSL?	Site COPC? HHRA	Site COPC? ERA	Site COPC? HHRA[h]

Source: WAG 10, OU 10-04 Database.
"NA" in Step 1 indicates that a background value is not available.
"No RBC" indicates that an EPA Region 9 or 3 risk-based concentration based on residential soil ingestion is not available.
"No EBSL" indicates that an INEEL EBSL is not available.

a. Arsenic was removed from the ERA & HHRA COPC lists because detected levels are within the arsenic regional background ranges discussed in Appendix K.
b. Fluoride was removed from the ERA COPC list since the maximum concentration was within the background levels (see Appendix F).
c. Sulfate was removed from the EOC and HHRA COPC lists because this compound is essential for all receptors and is not considered toxic at extremely high concentration (Bodek et al. 1988). See Appendix F.
d. Total Phosphorus was removed from the Human Health Risk Assessment COPC list since phosphorus never occurs in nature in its free state. Instead Total Phosphorus occur naturally as Phosphate. Mineral Tolerance of Domestic Animals, National Academy Press, 1980. Phosphate background values are approximately 40 to 4,500 mg/kg in the United States. The maximum concentration of Phosphorus or Total Phosphorus at NODA was 1130 mg/kg. Shacklette, Hansford T., Boerngen, Josephine G., Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, U.S. Geological Survey Professional Paper 1270, United States Government Printing Office, Washington, 1984.
e. The following chemicals were removed from the HHRA and ERA COPC lists since the maximum concentrations were all 0.006 mg/kg and had only one sample: DECANE, 3,4-DIMETHYL, OCTANE,2,3,7-TRIMETHYL, UNDECANE,4,6-DIMETHYL-. These COPCs are types of hydrocarbons and would have undergone considerable attenuation since being sampled in 1993.
f. Aroclor-1268 was removed from the HHRA COPC list because sample results were identified as Matrix Spikes.
g. Gasoline Range C7-C12 Idaho was removed from the HHRA and ERA COPC lists because the maximum concentration was extremely low, 2E-04. This COPC would have undergone some natural attenuation since being sampled in 1999. HENEICOSANE, 11- (1-ETHYLPROP, was also removed from the HHRA COPC list because the maximum concentration was only 0.01 mg/kg. This hydrocarbon would have also undergone some natural attenuation since being sampled in 1999.
h. HHRA screening using 1/10th of the RBC (see Section C-1.4.1.3).
i. 2-Amino-4,6-Dinitrotoluene, 4-Amino-2,6-Dinitrotoluene, aluminum, barium, benzene, cadmium, chromium, manganese, mercury, nickel, pentachlorophenol, and vanadium were identified as possible COPCs during a preliminary screen of contaminants to 1/10th of the RBC at Area 2. Area 2 has been brought forward into the FS for possible remediation. These COPCs will be discussed in the uncertainty section (Section 12) and will be added to any post-remediation sampling.
j. Iron was not retained for the HHRA. Iron is an essentail metal, and the maximum conentration is close to background levels.
k. The INEEL EBSL for di-2-ethylhexylphthalatewas used to evaluate bis(2-ethylhexyl)-phthalate because these chemicals are synonyms of the same contaminant.
l. Aluminum, barium, chromium, manganese were identified as possible COPCs during a preliminary screen of contaminants to 1/10th of the RBC at area 3. The maximum concentration for chromium was less than 1/5 of its RBC and would not show risk if assessed. The maximum concentrations for alumium and manganese are not excessively elevated relative to background, and would not contribute significantly to risk. The maximum concentration for barium is only slighty above 1/5th of the RBC. It is expected that if the EPCs (which are lower than the maximum values) were used for the combination of these contaminants they would not show risk.
m. Manganese was identified as a possible COPC during a preliminary screen of contaminants to 1/10th of the RBC at area 4. The maximum concentration for manganese is not excessively elevated relative to background, and would not contribute significantly to risk.
n. The EBSL for Benzo (a) pyrene was used for Benzo(g,h,i)perylene because of their similar properties and because of the lack of information needed to create an EBSL for Benzo (g, h, i) penylene.
o. The EBSL for Benzo (a) pyrene was also used to evaluate chrysene because of their similar properties, and because of a lack of information needed to create an EBSL for chrysene.

Table C27-b. Summary Statistics for the NODA Soils-Area #2.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,3,5-Trinitrobenzene	2	49	4	0.038U	2.7	0.286	0.931	mg/kg
1,3-Dichlorobenzene	0	57	0	0.005	0.2	0.166	0.032	mg/kg
1,3-Dinitrobenzene	1	49	2	0.041U	0.248	0.219	0.854	mg/kg
2,4,6-Trinitrotoluene	9	49	18	0.061U	100.0	2.72	14.3	mg/kg
2-Amino-4,6-Dinitrotoluene	3	49	6	0.099U	2.47	0.319	0.903	mg/kg
4-Amino-2,6-Dinitrotoluene	3	49	6	0.115U	3.33	0.353	0.947	mg/kg
Chloride	0	15	0	22.5	105.0	39.2	19.4	mg/kg
Fluoride	10	15	67	23.0	220.0	110.0	60.8	mg/kg
Nitrate	0	15	0	55.0	130.0	102.0	17.6	mg/kg
Sulfate	8	15	53	33.5U	380.0	175.0	120.0	mg/kg
Benzene	2	76	3	0.003U	0.078	0.004	0.01	mg/kg
Cs-137	4	4	100	0.069	0.86	0.46	0.434	pCi/g
Ethylbenzene	0	76	0	0.003	0.003	NA	NA	mg/kg
Toluene	2	76	3	0.003U	0.058	NA	NA	mg/kg
Xylene (total)	0	76	0	0.003	0.003	NA	NA	mg/kg
Aluminum	109	110	99	5.4U	24,600	7,730	4,000	mg/kg
Antimony	21	106	20	0.155U	51.6	0.968	4.97	mg/kg
Arsenic	110	110	100	3.2	41.6	6.51	3.66	mg/kg
Barium	110	110	100	62.9	456.0	170	74.4	mg/kg
Beryllium	46	109	42	0.10U	1.6	0.488	0.293	mg/kg
Cadmium	50	110	45	0.205U	9.2	1.15	1.13	mg/kg
Calcium	110	110	100	5,220	72,300	22,400	11,500	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Chromium	109	110	99	0.75U	67.6	21.5	8.56	mg/kg
Cobalt	94	110	85	1.2U	17.1	7.01	2.89	mg/kg
Copper	98	101	97	0.9U	24,000	2,450	23,900	mg/kg
Iron	109	110	99	3.85U	27,800	15,100	4,960	mg/kg
Lead	110	110	100	7.6	1,790	34.2	170	mg/kg
Magnesium	109	110	99	4.65U	19,800	7,050	3,600	mg/kg
Manganese	110	110	100	140.0	1,290	280	127	mg/kg
Nickel	109	110	99	1.65U	372	30.5	33.9	mg/kg
Potassium	110	110	100	427	3,900	1,490	847	mg/kg
Selenium	12	108	11	0.11U	1.7	0.474	0.284	mg/kg
Silver	19	110	17	0.025U	3.0	0.373	0.538	mg/kg
Sodium	91	110	83	41.5U	3,100	265	368	mg/kg
Thallium	0	105	0	0.1	0.6	0.346	0.197	mg/kg
Vanadium	98	110	89	1.45U	60.7	23.2	7.04	mg/kg
Zinc	91	91	100	43.8	362	113	64.5	mg/kg
Aroclor-1016	0	12	0	0.018	0.04	NA	NA	mg/kg
Aroclor-1221	0	12	0	0.036	0.04	NA	NA	mg/kg
Aroclor-1232	0	12	0	0.018	0.04	NA	NA	mg/kg
Aroclor-1242	0	12	0	0.018	0.04	NA	NA	mg/kg
Aroclor-1248	0	12	0	0.018	0.04	NA	NA	mg/kg
Aroclor-1254	0	12	0	0.018	0.08	NA	NA	mg/kg
Aroclor-1260	0	12	0	0.018	0.08	NA	NA	mg/kg
Mercury	33	112	29	0.002U	1.9	0.139	0.336	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,1,1-Trichloroethane	0	76	0	0.003	0.003	NA	NA	mg/kg
1,1,2,2-Tetrachloroethane	0	76	0	0.003	0.003	NA	NA	mg/kg
1,1,2-Trichloroethane	0	76	0	0.003	0.003	NA	NA	mg/kg
1,1-Dichloroethane	1	76	1	0.003U	0.046	NA	NA	mg/kg
1,1-Dichloroethene	2	76	3	0.003U	0.052	NA	NA	mg/kg
1,2,4-Trichlorobenzene	0	57	0	0.005	0.2	NA	NA	mg/kg
1,2-Dichlorobenzene	0	56	0	0.005	0.2	NA	NA	mg/kg
1,2-Dichloroethane	0	76	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloroethene (total)	0	76	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloropropane	0	76	0	0.003	0.003	NA	NA	mg/kg
1,4-Dichlorobenzene	0	57	0	0.005	0.2	NA	NA	mg/kg
2,4,5-Trichlorophenol	0	57	0	0.025	1.0	NA	NA	mg/kg
2,4,6-Trichlorophenol	0	57	0	0.005	0.2	NA	NA	mg/kg
2,4-Dichlorophenol	0	57	0	0.005	0.2	NA	NA	mg/kg
2,4-Dinitrophenol	0	43	0	0.005	1.0	NA	NA	mg/kg
2,4-Dinitrotoluene	1	107	1	0.005U	0.306	0.199	0.574	mg/kg
2,6-Dinitrotoluene	0	106	0	0.025	6.0	NA	NA	mg/kg
2-Chloronaphthalene	0	57	0	0.005	0.825	NA	NA	mg/kg
2-Chlorophenol	0	56	0	0.005	0.2	NA	NA	mg/kg
2-Hexanone	1	76	1	0.005U	0.005	NA	NA	mg/kg
2-Methylnaphthalene	1	57	2	0.005U	0.038	0.164	0.037	mg/kg
2-Methylphenol	0	57	0	0.005	0.825	NA	NA	mg/kg
2-Nitroaniline	0	57	0	0.025	1.0	NA	NA	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
2-Nitrophenol	0	57	0	0.005	0.2	NA	NA	mg/kg
2-Nitrotoluene	0	49	0	0.11	6.0	NA	NA	mg/kg
3-Nitroaniline	0	58	0	0.025	1.0	NA	NA	mg/kg
3-Nitrotoluene	0	49	0	0.11	6.0	NA	NA	mg/kg
4,6-Dinitro-2-methylphenol	0	52	0	0.005	1.0	NA	NA	mg/kg
4-Bromophenyl-phenylether	0	58	0	0.005	0.2	NA	NA	mg/kg
4-Chloro-3-methylphenol	1	57	2	0.005U	0.060	0.164	0.035	mg/kg
4-Chloroaniline	0	57	0	0.005	0.2	NA	NA	mg/kg
4-Chlorophenyl-phenylether	0	58	0	0.025	0.2	NA	NA	mg/kg
4-Methyl-2-Pentanone	1	76	1	0.005	0.005	NA	NA	mg/kg
4-Methylphenol	0	57	0	0.005	0.2	NA	NA	mg/kg
4-Nitroaniline	0	58	0	0.005	1.0	NA	NA	mg/kg
4-Nitrophenol	1	58	2	0.005	1.0	0.822	0.175	mg/kg
4-Nitrotoluene	0	49	0	0.11	6.0	NA	NA	mg/kg
Acenaphthene	0	58	0	0.025	0.2	NA	NA	mg/kg
Acenaphthylene	0	57	0	0.005	0.2	NA	NA	mg/kg
Acetone	12	76	16	0.003U	0.041	0.006	0.006	mg/kg
Anthracene	0	58	0	0.005	0.2	NA	NA	mg/kg
Benzo(a)anthracene	0	58	0	0.005	0.2	NA	NA	mg/kg
Benzo(a)pyrene	0	58	0	0.005	0.2	NA	NA	mg/kg
Benzo(b)fluoranthene	0	58	0	0.005	0.2	NA	NA	mg/kg
Benzo(g,h,i)perylene	1	58	2	0.025U	0.170	0.167	0.029	mg/kg
Benzo(k)fluoranthene	0	58	0	0.005	0.2	NA	NA	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Benzyl alcohol	0	57	0	0.005	0.2	NA	NA	mg/kg
bis(2-Chloroethoxy)methane	0	57	0	0.005	0.2	NA	NA	mg/kg
bis(2-Chloroethyl)ether	0	57	0	0.005	0.2	NA	NA	mg/kg
bis(2-Chloroisopropyl)ether	0	55	0	0.005	0.2	NA	NA	mg/kg
bis(2-Ethylhexyl)phthalate	9	58	16	0.005U	0.55	0.173	0.079	mg/kg
Bromide	0	15	0	100	125	108.0	5.89	mg/kg
Bromodichloromethane	0	76	0	0.003	0.003	NA	NA	mg/kg
Bromoform	0	76	0	0.003	0.003	NA	NA	mg/kg
Bromomethane	0	76	0	0.005	0.006	NA	NA	mg/kg
Butylbenzylphthalate	0	58	0	0.01	0.2	NA	NA	mg/kg
Carbon Disulfide	0	76	0	0.003	0.003	NA	NA	mg/kg
Carbon Tetrachloride	0	76	0	0.003	0.003	NA	NA	mg/kg
Chlorobenzene	2	76	3	0.003U	0.063	NA	NA	mg/kg
Chloroethane	0	76	0	0.005	0.006	NA	NA	mg/kg
Chloroform	0	76	0	0.003	0.003	NA	NA	mg/kg
Chloromethane	0	76	0	0.005	0.006	NA	NA	mg/kg
Chrysene	0	58	0	0.005	0.2	NA	NA	mg/kg
cis-1,3-Dichloropropene	0	76	0	0.003	0.003	NA	NA	mg/kg
Dibenz(a,h)anthracene	0	58	0	0.005	0.2	NA	NA	mg/kg
Dibenzofuran	0	58	0	0.005	0.2	NA	NA	mg/kg
Dibromochloromethane	0	76	0	0.003	0.003	NA	NA	mg/kg
Diethylphthalate	0	58	0	0.005	0.2	NA	NA	mg/kg
Dimethylphthalate	0	57	0	0.005	0.2	NA	NA	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Di-n-butylphthalate	4	58	7	0.005U	0.051	0.157	0.045	mg/kg
Di-n-octylphthalate	0	58	0	0.005	0.2	NA	NA	mg/kg
Fluoranthene	0	58	0	0.005	0.2	NA	NA	mg/kg
Fluorene	0	58	0	0.025	0.2	NA	NA	mg/kg
Hexachlorobenzene	0	58	0	0.025	0.2	NA	NA	mg/kg
Hexachlorobutadiene	0	57	0	0.005	0.2	NA	NA	mg/kg
Hexachlorocyclopentadiene	0	57	0	0.005	0.2	NA	NA	mg/kg
Hexachloroethane	0	57	0	0.005	0.2	NA	NA	mg/kg
HMX	2	49	4	0.049U	1.10	0.258	0.867	mg/kg
Indeno(1,2,3-cd)pyrene	0	58	0	0.005	0.2	NA	NA	mg/kg
Isophorone	0	57	0	0.005	0.2	NA	NA	mg/kg
Methylene Chloride	12	76	16	0.003U	0.055	0.004	0.007	mg/kg
Naphthalene	0	57	0	0.005	0.2	NA	NA	mg/kg
Nitrobenzene	0	106	0	0.005	6.0	NA	NA	mg/kg
N-Nitrosodimethylamine	0	26	0	0.005	0.165	NA	NA	mg/kg
N-Nitroso-di-n-propylamine	0	57	0	0.005	0.2	NA	NA	mg/kg
N-Nitrosodiphenylamine	0	58	0	0.005	0.2	NA	NA	mg/kg
Orthophosphate	0	15	0	100	125	108.0	5.89	mg/kg
p-(Dimethylamino)azobenzene	0	26	0	0.025	0.825	NA	NA	mg/kg
Pentachlorophenol	1	58	2	0.005U	.320	0.821	0.177	mg/kg
Phenanthrene	0	58	0	0.005	0.2	NA	NA	mg/kg
Phenol	0	57	0	0.005	0.825	NA	NA	mg/kg
Pyrene	1	58	2	0.005U	0.25	0.167	0.034	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
RDX	23	49	47	0.115U	328.0	16.0	49.5	mg/kg
Styrene	0	76	0	0.003	0.003	NA	NA	mg/kg
Tetrachloroethene	0	76	0	0.003	0.003	NA	NA	mg/kg
Tetryl	4	49	8	0.079U	13.9	0.569	2.13	mg/kg
trans-1,3-Dichloropropene	0	76	0	0.003	0.003	NA	NA	mg/kg
Trichloroethene	2	76	3	0.003U	0.055	0.004	0.008	mg/kg
Vinyl Acetate	0	25	0	0.005	0.006	NA	NA	mg/kg
Vinyl Chloride	0	76	0	0.005	0.006	NA	NA	mg/kg
3,3'-Dichlorobenzidine	0	58	0	0.005	0.405	NA	NA	mg/kg
Acrolein	0	12	0	0.005	0.005	NA	NA	mg/kg
2,4-Dimethylphenol	0	57	0	0.025	0.825	NA	NA	mg/kg
2-Butanone(MEK)	0	14	0	0.005	0.006	NA	NA	mg/kg
Benzoic acid	0	57	0	0.005	1.0	NA	NA	mg/kg
Boron	34	34	100	3.8	19.7	9.38	3.8	mg/kg
Molybdenum	15	34	44	0.10U	.990	0.512	0.356	mg/kg
Nitrate/Nitrite-N	33	34	97	0.1U	546	49.4	125	mg/kg
Nitrite	9	15	60	65U	56.0	59.7	31.4	mg/kg
Picric Acid	5	14	36	0.032	0.826	0.164	0.22	mg/kg
Strontium	34	34	100	20.0	81.8	51.5	14.5	mg/kg
Thorium	2	9	22	3.6U	26.8	10.3	7.13	mg/kg
Total Phosphorus (P)	34	34	100	1.28	63.2	6.53	11.4	mg/kg
2-PENTANONE	25	25	100	0.15	51.0	15.0	18.5	mg/kg
Acrylonitrile	0	12	0	0.005	0.005	NA	NA	mg/kg

Table C27-b. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
DECANE, 3,4-DIMETHYL	1	1	100	0.006	0.006	NA	NA	mg/kg
OCTANE,2,3,7-TRIMETHYL	1	1	100	0.006	0.006	NA	NA	mg/kg
UNDECANE,4,6-DIMETHYL-	1	1	100	0.006	0.006	NA	NA	mg/kg

Note-. For analytes with no detects, both the minimum and maximum values are nondetects at ½ the detection limit.
U = non detect; value represents ½ the detection limit.
NA = not applicable; not calculated

Table C27-c. Summary Statistics for the NODA Soils-Area #3.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,3,5-Trinitrobenzene	0	8	0.0	0.11	0.13	NA	NA	mg/kg
1,3-Dichlorobenzene	0	68	0.0	0.165	0.18	NA	NA	mg/kg
1,3-Dinitrobenzene	0	8	0.0	0.11	0.13	NA	NA	mg/kg
2,4,6-Trinitrotoluene	0	8	0.0	0.11	0.13	NA	NA	mg/kg
2-Amino-4,6-Dinitrotoluene	0	8	0.0	0.11	0.13	NA	NA	mg/kg
4-Amino-2,6-Dinitrotoluene	0	8	0.0	0.11	0.13	NA	NA	mg/kg
Chloride	0	8	0.0	25.5	105	53.0	24.1	mg/kg
Fluoride	8	8	100.0	110	170	139	19.6	mg/kg
Nitrate	0	8	0.0	70.0	150	119	33.2	mg/kg
Sulfate	8	8	100.0	140	280	245	45.4	mg/kg
Benzene	0	10	0.0	0.003	0.003	NA	NA	mg/kg
Ethylbenzene	0	10	0.0	0.003	0.003	NA	NA	mg/kg
Toluene	0	10	0.0	0.003	0.003	NA	NA	mg/kg
Xylene (total)	0	10	0.0	0.003	0.003	NA	NA	mg/kg
Aluminum	37	37	100.0	4,110	21,800	13,000	4,490	mg/kg
Antimony	5	31	16.13	0.305U	1.3	0.44	0.242	mg/kg
Arsenic	37	37	100.0	3.6	8.7	5.58	1.24	mg/kg
Barium	37	37	100.0	97.6	360	262	72.1	mg/kg
Beryllium	6	18	33.3	0.07U	1.1	0.624	0.335	mg/kg
Cadmium	2	32	6.25	0.205U	0.56	0.577	0.314	mg/kg
Calcium	37	37	100.0	5,830	33,500	10,800	9,470	mg/kg
Chromium	37	37	100.0	12.0	36.8	23.5	6.34	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Cobalt	37	37	100	5.4	13.9	10.6	2.09	mg/kg
Copper	37	37	100	11.0	38.3	22.4	5.36	mg/kg
Iron	37	37	100	10,700	31,000	20,000	5,020	mg/kg
Lead	37	37	100	10.0	23.6	16.7	2.91	mg/kg
Magnesium	37	37	100	3,430	14,600	9,220	2,790	mg/kg
Manganese	37	37	100	205	677	400	134	mg/kg
Nickel	37	37	100	19.8	59.6	34.4	8.31	mg/kg
Potassium	37	37	100	598	3,800	2,280	767	mg/kg
Selenium	20	37	54	0.5U	1.8	1.01	0.445	mg/kg
Silver	0	37	0	0.205	0.365	0.222	0.025	mg/kg
Sodium	33	37	89	49.4U	224	143	45.3	mg/kg
Thallium	0	29	0	0.5	0.9	0.555	0.069	mg/kg
Vanadium	12	37	32	10.3U	46.7	21.5	9.1	mg/kg
Zinc	37	37	100	66.4	261.0	143	40.3	mg/kg
Aroclor-1016	0	14	0	0.04	0.04	NA	NA	mg/kg
Aroclor-1221	0	13	0	0.04	0.04	NA	NA	mg/kg
Aroclor-1232	0	14	0	0.04	0.04	NA	NA	mg/kg
Aroclor-1242	0	14	0	0.04	0.04	NA	NA	mg/kg
Aroclor-1248	0	14	0	0.005	0.04	NA	NA	mg/kg
Aroclor-1254	0	14	0	0.08	0.08	NA	NA	mg/kg
Aroclor-1260	5	14	36	0.080U	0.08	0.054	0.037	mg/kg
Mercury	23	55	42	0.025U	0.05	0.029	0.01	mg/kg
1,1,1-Trichloroethane	0	10	0	0.003	0.003	NA	NA	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,1,2,2-Tetrachloroethane	0	10	0	0.003	0.003	NA	NA	mg/kg
1,1,2-Trichloroethane	0	10	0	0.003	0.003	NA	NA	mg/kg
1,1-Dichloroethane	0	10	0	0.003	0.003	NA	NA	mg/kg
1,1-Dichloroethene	0	10	0	0.003	0.003	NA	NA	mg/kg
1,2,4-Trichlorobenzene	0	68	0	0.165	0.18	NA	NA	mg/kg
1,2-Dichlorobenzene	0	68	0	0.165	0.18	NA	NA	mg/kg
1,2-Dichloroethane	0	10	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloroethene (total)	0	10	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloropropane	0	10	0	0.003	0.003	NA	NA	mg/kg
1,4-Dichlorobenzene	0	68	0	0.165	0.18	NA	NA	mg/kg
2,4,5-Trichlorophenol	0	68	0	0.825	0.9	NA	NA	mg/kg
2,4,6-Trichlorophenol	0	68	0	0.165	165	NA	NA	mg/kg
2,4-Dichlorophenol	0	68	0	0.165	0.18	NA	NA	mg/kg
2,4-Dinitrophenol	0	67	0	0.825	0.9	NA	NA	mg/kg
2,4-Dinitrotoluene	0	75	0	0.11	0.18	NA	NA	mg/kg
2,6-Dinitrotoluene	0	76	0	0.11	0.825	NA	NA	mg/kg
2-Chloronaphthalene	0	68	0	0.165	0.18	NA	NA	mg/kg
2-Chlorophenol	0	68	0	0.165	0.18	NA	NA	mg/kg
2-Hexanone	1	10	10	0.005U	0.041	0.009	0.011	mg/kg
2-Methylnaphthalene	0	68	0	0.165	0.18	NA	NA	mg/kg
2-Methylphenol	0	68	0	0.165	0.18	NA	NA	mg/kg
2-Nitroaniline	0	68	0	0.825	0.9	NA	NA	mg/kg
2-Nitrophenol	0	68	0	0.165	0.18	NA	NA	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
2-Nitrotoluene	0	8	0	0.11	0.13	NA	NA	mg/kg
3-Nitroaniline	0	67	0	0.825	0.9	NA	NA	mg/kg
3-Nitrotoluene	0	8	0	0.11	0.13	NA	NA	mg/kg
4,6-Dinitro-2-methylphenol	0	67	0	0.825	0.9	NA	NA	mg/kg
4-Bromophenyl-phenylether	0	67	0	0.165	0.18	NA	NA	mg/kg
4-Chloro-3-methylphenol	0	68	0	0.165	0.18	NA	NA	mg/kg
4-Chloroaniline	0	68	0	0.165	0.18	NA	NA	mg/kg
4-Chlorophenyl-phenylether	0	67	0	0.165	0.18	NA	NA	mg/kg
4-Methyl-2-Pentanone	0	10	0	0.005	0.005	NA	NA	mg/kg
4-Methylphenol	0	68	0	0.165	0.18	NA	NA	mg/kg
4-Nitroaniline	0	67	0	0.825	0.9	NA	NA	mg/kg
4-Nitrophenol	0	67	0	0.825	825.0	NA	NA	mg/kg
4-Nitrotoluene	0	8	0	0.11	0.13	NA	NA	mg/kg
Acenaphthene	0	67	0	0.165	0.18	NA	NA	mg/kg
Acenaphthylene	0	68	0	0.165	0.18	NA	NA	mg/kg
Acetone	9	10	90	0.003U	0.084	0.026	0.026	mg/kg
Anthracene	0	67	0	0.165	0.18	NA	NA	mg/kg
Benzo(a)anthracene	0	67	0	0.165	0.18	NA	NA	mg/kg
Benzo(a)pyrene	0	67	0	0.165	0.18	NA	NA	mg/kg
Benzo(b)fluoranthene	0	67	0	0.165	0.18	NA	NA	mg/kg
Benzo(g,h,i)perylene	0	68	0	0.165	0.18	NA	NA	mg/kg
Benzo(k)fluoranthene	0	67	0	0.165	0.18	NA	NA	mg/kg
Benzyl alcohol	0	68	0	0.165	0.18	NA	NA	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
bis(2-Chloroethoxy)methane	0	68	0	0.165	0.18	NA	NA	mg/kg
bis(2-Chloroethyl)ether	0	68	0	0.165	0.18	NA	NA	mg/kg
bis(2-Chloroisopropyl)ether	0	68	0	0.165	0.18	NA	NA	mg/kg
bis(2-Ethylhexyl)phthalate	9	67	13	0.022U	1.5	0.215	0.239	mg/kg
Bromide	0	8	0	100	110	NA	NA	mg/kg
Bromodichloromethane	0	10	0	0.003	0.003	NA	NA	mg/kg
Bromoform	0	10	0	0.003	0.003	NA	NA	mg/kg
Bromomethane	0	10	0	0.005	0.005	NA	NA	mg/kg
Butylbenzylphthalate	1	67	1	0.165U	0.065	0.165	0.013	mg/kg
Carbon Disulfide	0	10	0	0.003	0.003	NA	NA	mg/kg
Carbon Tetrachloride	0	10	0	0.003	0.003	NA	NA	mg/kg
Chlorobenzene	0	10	0	0.003	0.003	NA	NA	mg/kg
Chloroethane	0	10	0	0.005	0.005	NA	NA	mg/kg
Chloroform	0	10	0	0.003	0.003	NA	NA	mg/kg
Chloromethane	0	10	0	0.005	0.005	NA	NA	mg/kg
Chrysene	0	67	0	0.165	0.18	NA	NA	mg/kg
cis-1,3-Dichloropropene	0	10	0	0.003	0.003	NA	NA	mg/kg
Dibenz(a,h)anthracene	0	68	0	0.165	0.18	NA	NA	mg/kg
Dibenzofuran	0	67	0	0.165	0.18	NA	NA	mg/kg
Dibromochloromethane	0	10	0	0.003	0.003	NA	NA	mg/kg
Diethylphthalate	0	67	0	0.165	0.18	NA	NA	mg/kg
Dimethylphthalate	0	68	0	0.165	0.18	NA	NA	mg/kg
Di-n-butylphthalate	3	67	4	0.165U	0.068	0.161	0.024	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Di-n-octylphthalate	2	67	3	0.165U	0.4	0.171	0.03	mg/kg
Fluoranthene	0	67	0	0.165	0.18	NA	NA	mg/kg
Fluorene	0	67	0	0.165	0.18	NA	NA	mg/kg
Hexachlorobenzene	0	67	0	0.165	0.18	NA	NA	mg/kg
Hexachlorobutadiene	0	68	0	0.165	165.0	NA	NA	mg/kg
Hexachlorocyclopentadiene	0	68	0	0.165	0.18	NA	NA	mg/kg
Hexachloroethane	0	68	0	0.165	0.18	NA	NA	mg/kg
HMX	0	8	0	0.11	0.13	NA	NA	mg/kg
Indeno(1,2,3-cd)pyrene	0	67	0	0.165	0.18	NA	NA	mg/kg
Isophorone	0	68	0	0.165	0.18	NA	NA	mg/kg
Methylene Chloride	10	10	100	0.003	0.038	0.012	0.01	mg/kg
Naphthalene	0	68	0	0.165	0.18	NA	NA	mg/kg
Nitrobenzene	0	76	0	0.11	0.18	NA	NA	mg/kg
N-Nitrosodimethylamine	0	60	0	0.165	0.165	NA	NA	mg/kg
N-Nitroso-di-n-propylamine	0	68	0	0.165	0.18	NA	NA	mg/kg
N-Nitrosodiphenylamine	0	67	0	0.165	0.18	NA	NA	mg/kg
Orthophosphate	0	8	0	100	110	NA	NA	mg/kg
p-(Dimethylamino)azobenzene	0	60	0	0.825	0.825	NA	NA	mg/kg
Pentachlorophenol	0	67	0	0.825	0.9	NA	NA	mg/kg
Phenanthrene	0	67	0	0.165	0.18	NA	NA	mg/kg
Phenol	0	68	0	0.165	0.18	NA	NA	mg/kg
Pyrene	0	67	0	0.165	0.18	NA	NA	mg/kg
RDX	0	8	0	0.11	0.13	NA	NA	mg/kg

Table C27-c. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Styrene	0	10	0	0.003	0.003	NA	NA	mg/kg
Tetrachloroethene	0	10	0	0.003	0.003	NA	NA	mg/kg
Tetryl	0	8	0	0.11	0.13	NA	NA	mg/kg
trans-1,3-Dichloropropene	0	10	0	0.003	0.003	NA	NA	mg/kg
Trichloroethene	0	10	0	0.003	0.003	NA	NA	mg/kg
Vinyl Acetate	0	10	0	0.005	0.005	NA	NA	mg/kg
Vinyl Chloride	0	10	0	0.005	0.005	NA	NA	mg/kg
3,3'-Dichlorobenzidine	0	67	0	0.33	0.365	NA	NA	mg/kg
Acrolein	0	10	0	0.005	0.005	NA	NA	mg/kg
2,4-Dimethylphenol	0	68	0	0.175	0.825	NA	NA	mg/kg
2-Butanone(MEK)	0	10	0	0.005	0.005	NA	NA	mg/kg
Benzoic acid	0	68	0	0.165	0.9	NA	NA	mg/kg
Nitrite	0	8	0	16.0	22.0	NA	NA	mg/kg
2-Pentanone	59	59	100	0.133	48.6	18.3	14.6	mg/kg
Acrylonitrile	0	10	0	0.005	0.005	NA	NA	mg/kg

Note-. For analytes with no detects, both the minimum and maximum values are nondetects at ½ the detection limit.
U = non detect; value represents ½ the detection limit.
NA = not applicable; not calculated

Table C27-d. Summary Statistics for the NODA Soils-Area #4.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,3,5-Trinitrobenzene	0	4	0	0.115	0.13	NA	NA	mg/kg
1,3-Dichlorobenzene	0	5	0	0.165	0.85	NA	NA	mg/kg
1,3-Dinitrobenzene	0	8	0	0.115	0.85	NA	NA	mg/kg
2,4,6-Trinitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
2-Amino-4,6-Dinitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
4-Amino-2,6-Dinitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
Chloride	0	4	0	55.0	65.0	NA	NA	mg/kg
Fluoride	4	4	100	130	180	153	22.2	mg/kg
Nitrate	0	4	0	120	145	133	10.3	mg/kg
Sulfate	4	4	100	350	2,100	1,130	904	mg/kg
Benzene	0	8	0	0.001	0.003	NA	NA	mg/kg
Ethylbenzene	2	8	25	0.001U	0.003	NA	NA	mg/kg
Toluene	8	8	100	0.002	0.01	0.006	0.003	mg/kg
Xylene (total)	8	9	89	0.003U	0.007	0.005	0.002	mg/kg
Aluminum	4	4	100	6,990	8,710	7,870	745	mg/kg
Antimony	4	4	100	1.10	1.5	1.33	0.206	mg/kg
Arsenic	4	4	100	5.40	7.4	6.4	0.913	mg/kg
Barium	4	4	100	164	218	187	25.2	mg/kg
Beryllium	4	4	100	0.610	0.72	0.668	0.048	mg/kg
Cadmium	4	4	100	0.825	0.92	0.864	0.04	mg/kg
Calcium	4	4	100	11,100	18,400	14,400	3,590	mg/kg
Chromium	4	4	100	21.6	25.5	23.9	1.64	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Cobalt	4	4	100	7.9	10.6	8.83	1.209	mg/kg
Copper	4	4	100	15.5	18.1	17.0	1.3	mg/kg
Iron	4	4	100	15,400	18,100	17,000	1,320	mg/kg
Lead	4	4	100	12.6	15.6	14.2	1.52	mg/kg
Magnesium	4	4	100	7,310	7,820	7,500	241	mg/kg
Manganese	4	4	100	276	555	357	133	mg/kg
Nickel	4	4	100	27.4	34.6	30.4	3.15	mg/kg
Potassium	4	4	100	1,400	2,010	1,720	325	mg/kg
Selenium	4	4	100	0.82	0.99	0.899	0.089	mg/kg
Silver	4	4	100	0.1	0.15	0.13	0.022	mg/kg
Sodium	4	4	100	88.0	147	115	28.1	mg/kg
Thallium	0	4	0	0.23	0.245	0.237	0.008	mg/kg
Vanadium	4	4	100	25.8	28.5	27.4	1.13	mg/kg
Zinc	4	4	100	106	116	111	3.92	mg/kg
Aroclor-1016	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1221	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1232	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1242	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1248	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1254	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1260	0	4	0	0.017	0.018	NA	NA	mg/kg
Mercury	4	4	100	0.01	0.02	0.013	0.005	mg/kg
1,1,1,2-Tetrachloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
1,1,1-Trichloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,1,2,2-Tetrachloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,1,2-Trichloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,1-Dichloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,1-Dichloroethene	0	4	0	0.003	0.003	NA	NA	mg/kg
1,2,3-Trichloropropane	0	3	0	0.003	0.003	NA	NA	mg/kg
1,2,4,5-Tetrachlorobenzene	0	4	0	0.18	0.85	NA	NA	mg/kg
1,2,4-Trichlorobenzene	0	5	0	0.165	0.85	NA	NA	mg/kg
1,2-Dibromo-3-chloropropane	0	3	0	0.005	0.006	NA	NA	mg/kg
1,2-Dibromoethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichlorobenzene	0	5	0	0.165	0.85	NA	NA	mg/kg
1,2-Dichloroethane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloroethene (total)	0	4	0	0.003	0.003	NA	NA	mg/kg
1,2-Dichloropropane	0	4	0	0.003	0.003	NA	NA	mg/kg
1,4-Dichlorobenzene	0	5	0	0.165	0.85	NA	NA	mg/kg
1,4-Naphthoquinone	0	4	0	0.18	0.85	NA	NA	mg/kg
1,4-Phenylenediamine	0	4	0	0.18	0.85	NA	NA	mg/kg
1-Naphthylamine	0	4	0	0.18	0.85	NA	NA	mg/kg
2,3,4,6-Tetrachlorophenol	0	4	0	0.18	0.85	NA	NA	mg/kg
2,4,5-Trichlorophenol	0	5	0	0.18	0.85	NA	NA	mg/kg
2,4,6-Trichlorophenol	0	5	0	0.165	0.85	NA	NA	mg/kg
2,4-Dichlorophenol	0	5	0	0.165	0.85	NA	NA	mg/kg
2,4-Dinitrophenol	0	5	0	0.825	4.2	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
2,4-Dinitrotoluene	0	9	0	0.115	0.85	NA	NA	mg/kg
2,6-Dichlorophenol	0	4	0	0.18	0.85	NA	NA	mg/kg
2,6-Dinitrotoluene	0	9	0	0.115	0.85	NA	NA	mg/kg
2-Acetylaminofluorene	0	4	0	0.18	0.85	NA	NA	mg/kg
2-Chloronaphthalene	0	5	0	0.165	0.85	NA	NA	mg/kg
2-Chlorophenol	0	5	0	0.165	0.85	NA	NA	mg/kg
2-Hexanone	0	4	0	0.01	0.011	NA	NA	mg/kg
2-Methylnaphthalene	0	5	0	0.165	0.85	NA	NA	mg/kg
2-Methylphenol	0	5	0	0.165	0.85	NA	NA	mg/kg
2-Naphthylamine	0	4	0	0.18	0.85	NA	NA	mg/kg
2-Nitroaniline	0	5	0	0.825	4.2	NA	NA	mg/kg
2-Nitrophenol	0	5	0	0.165	0.85	NA	NA	mg/kg
2-Nitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
2-Picoline	0	4	0	0.18	0.85	NA	NA	mg/kg
3,3'-Dimethylbenzidine	0	4	0	0.18	0.85	NA	NA	mg/kg
3-Nitroaniline	0	5	0	0.825	4.2	NA	NA	mg/kg
3-Nitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
4,6-Dinitro-2-methylphenol	0	5	0	0.825	4.2	NA	NA	mg/kg
4-Aminobiphenyl	0	4	0	0.18	0.85	NA	NA	mg/kg
4-Bromophenyl-phenylether	0	5	0	0.165	0.85	NA	NA	mg/kg
4-Chloro-3-methylphenol	0	5	0	0.165	0.85	NA	NA	mg/kg
4-Chloroaniline	0	5	0	0.165	0.85	NA	NA	mg/kg
4-Chlorophenyl-phenylether	0	5	0	0.165	0.85	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
4-Methyl-2-Pentanone	0	4	0	0.01	0.011	NA	NA	mg/kg
4-Methylphenol	0	5	0	0.165	0.85	NA	NA	mg/kg
4-Nitroaniline	0	5	0	0.825	4.2	NA	NA	mg/kg
4-Nitrophenol	0	5	0	0.825	4.2	NA	NA	mg/kg
4-Nitroquinoline-1-oxide	0	4	0	0.18	0.85	NA	NA	mg/kg
4-Nitrotoluene	0	4	0	0.115	0.13	NA	NA	mg/kg
5-Nitro-o-toluidine	0	4	0	0.18	0.85	NA	NA	mg/kg
a,a-Dimethylphenethylamine	0	4	0	0.18	0.85	NA	NA	mg/kg
Acenaphthene	0	5	0	0.165	0.85	NA	NA	mg/kg
Acenaphthylene	0	5	0	0.165	0.85	NA	NA	mg/kg
Acetone	0	4	0	0.018	0.026	NA	NA	mg/kg
Acetophenone	0	4	0	0.18	0.85	NA	NA	mg/kg
Allyl Chloride	0	4	0	0.003	0.003	NA	NA	mg/kg
Aniline	0	4	0	0.18	0.85	NA	NA	mg/kg
Anthracene	0	5	0	0.165	0.85	NA	NA	mg/kg
Aroclor-1262	0	4	0	0.017	0.018	NA	NA	mg/kg
Aroclor-1268	0	4	0	0.017	0.018	NA	NA	mg/kg
Benzo(a)anthracene	0	5	0	0.165	0.85	NA	NA	mg/kg
Benzo(a)pyrene	2	5	40	0.165U	1.0	0.421	0.34	mg/kg
Benzo(b)fluoranthene	0	5	0	0.165	0.85	NA	NA	mg/kg
Benzo(g,h,i)perylene	0	5	0	0.165	0.85	NA	NA	mg/kg
Benzo(k)fluoranthene	0	5	0	0.165	0.85	NA	NA	mg/kg
Benzyl alcohol	0	5	0	0.165	0.85	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
bis(2-Chloroethoxy)methane	0	5	0	0.165	0.85	NA	NA	mg/kg
bis(2-Chloroethyl)ether	0	5	0	0.165	0.85	NA	NA	mg/kg
bis(2-Chloroisopropyl)ether	0	5	0	0.165	0.85	NA	NA	mg/kg
bis(2-Ethylhexyl)phthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Bromide	0	4	0	100	110	NA	NA	mg/kg
Bromodichloromethane	0	4	0	0.003	0.003	NA	NA	mg/kg
Bromoform	0	4	0	0.003	0.003	NA	NA	mg/kg
Butylbenzylphthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Carbon Disulfide	0	4	0	0.003	0.003	NA	NA	mg/kg
Carbon Tetrachloride	0	4	0	0.003	0.003	NA	NA	mg/kg
Chlorobenzene	0	4	0	0.003	0.003	NA	NA	mg/kg
Chlorobenzilate	0	4	0	0.180	0.85	NA	NA	mg/kg
Chloroethane	0	4	0	0.005	0.006	NA	NA	mg/kg
Chloroform	0	4	0	0.003	0.003	NA	NA	mg/kg
Chloromethane	0	4	0	0.005	0.006	NA	NA	mg/kg
Chloroprene	0	4	0	0.003	0.003	NA	NA	mg/kg
Chrysene	2	5	40	0.165U	0.78	0.367	0.248	mg/kg
cis-1,2-Dichloroethene	0	4	0	0.001	0.002	NA	NA	mg/kg
cis-1,3-Dichloropropene	0	4	0	0.003	0.003	NA	NA	mg/kg
Di-allate	0	4	0	0.180	0.85	NA	NA	mg/kg
Dibenz(a,h)anthracene	0	5	0	0.165	0.85	NA	NA	mg/kg
Dibenzofuran	0	5	0	0.165	0.85	NA	NA	mg/kg
Dibromochloromethane	0	4	0	0.003	0.003	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Dibromomethane	0	4	0	0.003	0.003	NA	NA	mg/kg
Dichlorodifluoromethane	0	4	0	0.005	0.006	NA	NA	mg/kg
Diethylphthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Dimethoate	0	4	0	0.180	0.85	NA	NA	mg/kg
Dimethylphthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Di-n-butylphthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Di-n-octylphthalate	0	5	0	0.165	0.85	NA	NA	mg/kg
Dinoseb	0	4	0	0.18	0.85	NA	NA	mg/kg
Disulfoton	0	4	0	0.18	0.85	NA	NA	mg/kg
Ethyl methacrylate	0	4	0	0.003	0.003	NA	NA	mg/kg
Ethyl methanesulfonate	0	4	0	0.18	0.85	NA	NA	mg/kg
Famphur	0	4	0	0.18	0.85	NA	NA	mg/kg
Fluoranthene	2	5	40	0.165	0.85	0.385	0.276	mg/kg
Fluorene	0	5	0	0.165U	0.85	0.481	0.345	mg/kg
Gasoline Range C7-C12 Idaho	1	4	25	0.0001	0.0002	NA	NA	mg/kg
Hexachlorobenzene	0	5	0	0.165	0.85	NA	NA	mg/kg
Hexachlorobutadiene	0	5	0	0.165	0.85	NA	NA	mg/kg
Hexachlorocyclopentadiene	0	5	0	0.165	4.2	NA	NA	mg/kg
Hexachloroethane	0	5	0	0.165	0.85	NA	NA	mg/kg
Hexachloropropene	0	4	0	0.18	0.85	NA	NA	mg/kg
HMX	0	4	0	0.115	0.13	NA	NA	mg/kg
Indeno(1,2,3-cd)pyrene	0	5	0	0.165	0.85	NA	NA	mg/kg
Iodomethane	0	4	0	0.003	0.003	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Isodrin	0	4	0	0.18	0.85	NA	NA	mg/kg
Isophorone	0	5	0	0.165	0.85	NA	NA	mg/kg
Isosafrole	0	4	0	0.18	0.85	NA	NA	mg/kg
Kepone	0	4	0	0.180	0.850	NA	NA	mg/kg
Methacrylonitrile	0	4	0	0.003	0.003	NA	NA	mg/kg
Methapyrilene	1	4	25	0.180U	1.700	NA	NA	mg/kg
Methyl methacrylate	0	4	0	0.003	0.003	NA	NA	mg/kg
Methyl Parathion	0	4	0	0.180	0.850	NA	NA	mg/kg
Methylene Chloride	0	4	0	0.003	0.024	NA	NA	mg/kg
Methylmethanesulfonate	0	4	0	0.180	0.850	NA	NA	mg/kg
Naphthalene	0	5	0	0.165	0.850	NA	NA	mg/kg
Nitrobenzene	0	9	0	0.115	0.850	NA	NA	mg/kg
N-Nitrosodiethylamine	0	4	0	0.180	0.850	NA	NA	mg/kg
N-Nitrosodimethylamine	0	5	0	0.165	0.850	NA	NA	mg/kg
N-Nitroso-di-n-butylamine	0	4	0	0.180	0.850	NA	NA	mg/kg
N-Nitroso-di-n-propylamine	0	5	0	0.165	0.850	NA	NA	mg/kg
N-Nitrosodiphenylamine	0	5	0	0.165	0.850	NA	NA	mg/kg
N-Nitrosomethylethylamine	0	4	0	0.180	0.850	NA	NA	mg/kg
N-Nitrosomorpholine	0	4	0	0.180	0.850	NA	NA	mg/kg
N-Nitrosopyrrolidine	0	4	0	0.180	0.850	NA	NA	mg/kg
o,o,o-Triethylphosphorothioate	0	4	0	0.180	0.850	NA	NA	mg/kg
Orthophosphate	0	4	0	100.0	110.0	NA	NA	mg/kg
o-Toluidine	0	4	0	0.180	0.850	NA	NA	mg/kg
p-(Dimethylamino)azobenzene	0	5	0	0.180	0.850	NA	NA	mg/kg
Parathion	0	4	0	0.180	0.850	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Pentachlorobenzene	0	4	0	0.180	0.850	NA	NA	mg/kg
Pentachloroethane	0	4	0	0.180	0.850	NA	NA	mg/kg
Pentachloronitrobenzene	0	4	0	0.180	0.850	NA	NA	mg/kg
Pentachlorophenol	0	5	0	0.825	4.200	NA	NA	mg/kg
Phenacetin	0	4	0	0.180	0.850	NA	NA	mg/kg
Phenanthrene	4	5	80	0.16U	0.330	0.234	0.073	mg/kg
Phenol	0	5	0	0.165	0.850	NA	NA	mg/kg
Phorate	0	4	0	0.180	0.850	NA	NA	mg/kg
Pronamide	0	4	0	0.180	0.850	NA	NA	mg/kg
Pyrene	4	5	80	0.165	3.300	1.119	1.313	mg/kg
Pyridine	0	4	0	0.360	1.700	NA	NA	mg/kg
RDX	0	4	0	0.115	0.130	NA	NA	mg/kg
Styrene	0	4	0	0.003	0.003	NA	NA	mg/kg
Sulfotep	0	4	0	0.180	0.850	NA	NA	mg/kg
Tetrachloroethene	0	4	0	0.003	0.003	NA	NA	mg/kg
Tetryl	0	4	0	0.115	0.130	NA	NA	mg/kg
Thionazin	0	4	0	0.180	0.850	NA	NA	mg/kg
trans-1,2-Dichloroethene	0	4	0	0.001	0.002	NA	NA	mg/kg
trans-1,3-Dichloropropene	0	4	0	0.003	0.003	NA	NA	mg/kg
trans-1,4-Dichloro-2-butene	0	3	0	0.003	0.003	NA	NA	mg/kg
Trichloroethene	0	4	0	0.003	0.003	NA	NA	mg/kg
Trichlorofluoromethane	0	4	0	0.005	0.006	NA	NA	mg/kg
Vinyl Acetate	0	4	0	0.005	0.006	NA	NA	mg/kg
Vinyl Chloride	0	4	0	0.005	0.006	NA	NA	mg/kg
Xylene (ortho)	2	4	50	0.001U	0.002	NA	NA	mg/kg

Table C27-d. (continued).

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
3,3'-Dichlorobenzidine	0	5	0	0.330	4.200	NA	NA	mg/kg
Safrole	0	4	0	0.180	0.850	NA	NA	mg/kg
N-Nitrosopiperidine	0	4	0	0.180	0.850	NA	NA	mg/kg
2,4-Dimethylphenol	0	1	0	0.825	0.825	NA	NA	mg/kg
2-Butanone(MEK)	0	4	0	0.010	0.011	NA	NA	mg/kg
7,12-Dimethylbenz(a)anthracene	0	4	0	0.180	0.850	NA	NA	mg/kg
Benzoic acid	0	1	0	0.165	0.165	NA	NA	mg/kg
HENEICOSANE, 11- (1-ETHYLPROP	1	1	100	0.015	0.015	NA	NA	mg/kg
Nitrite	0	4	0	18.0	25.0	NA	NA	mg/kg
TPH-Diesel	4	4	100	225.0	1200	676.2	442.1	mg/kg
Xylene (total meta and para)	1	1	100	0.005	0.005	NA	NA	mg/kg

Note-. For analytes with no detects, both the minimum and maximum values are nondetects at ½ the detection limit.

U = non detect; value represents ½ the detection limit.

NA = not applicable; not calculated

Table C27-e. NODA Exposure Point Concentration Calculations Area #2 by Bin Depths.

COPC	0-0.5	0-4	0-10
1,3,5-Trinitrobenzene	4.14E-01	6.10E-01	2.67E-01
1,3-Dinitrobenzene	2.77E-01	3.47E-01	1.63E-01
2,4,6-Trinitrotoluene	3.05E+00	5.40E+00	2.19E+00
2-Amino-4,6-Dinitrotoluene	3.29E-01	4.96E-01	2.58E-01
2-Hexanone	5.25E-03	5.44E-03	5.39E-03
2-Methylnaphthalene	2.00E-01	1.92E-01	1.86E-01
2-Pentanone	5.10E+01	6.38E+00	2.55E+00
4-Amino-2,6-Dinitrotoluene	3.46E-01	5.10E-01	2.83E-01
4-Chloro-3-Methylphenol	2.00E-01	1.92E-01	1.97E-01
4-Methyl-2-Pentanone	5.25E-03	5.44E-03	5.39E-03
4-Nitrophenol	1.00E+00	9.44E-01	9.78E-01
Antimony	9.41E-01	7.82E-01	6.08E-01
Barium	2.21E+02	1.91E+02	1.56E+02
Benzo(g,h,i)perylene	1.89E-01	1.91E-01	1.86E-01
Cadmium	1.81E+00	1.99E+00	1.25E+00
Chromium III	2.34E+01	2.26E+01	2.72E+01
Cobalt	8.85E+00	7.81E+00	7.09E+00
Copper[a]	2.04E+02	1.65E+02	8.31E+01
HMX	3.36E-01	4.76E-01	2.19E-01
Lead	3.63E+01	2.76E+01	2.57E+01
Manganese	3.50E+02	2.99E+02	2.59E+02
Mercury	3.03E-01	6.18E-01	2.73E-01

Table C27-e. (continued)

COPC	0-0.5	0-4	0-10
Nickel	3.66E+01	2.91E+01	3.06E+01
Nitrate	9.83E+01	2.18E+02	1.64E+02
Nitrite	8.09E+01	8.06E+01	3.22E+01
Pentachlorophenol	1.00E+00	9.44E-01	9.78E-01
Picric Acid	4.28E-01	5.18E-01	2.07E-01
RDX	3.28E+02	3.28E+02	1.31E+02
Silver	6.10E-01	9.12E-01	5.62E-01
Strontium	6.44E+01	6.73E+01	5.77E+01
Thallium	1.67E+01	1.67E+01	6.68E+00
Vanadium	2.66E+01	2.68E+01	2.53E+01
Zinc	1.66E+02	1.70E+02	1.19E+02

EPC units are mg/kg or pCi/g; bin depths are in feet.

a. Before the EPCs were calculated for the ERA, four sample results for copper were removed, according to hot spots. See discussion in the summary section for NODA Area #2 in Appendix F. The new EPCs for the ERA are as follows: 7.88E+01 (for 0-0.5ft), 9.34E+01 (for 0-4 ft), and 5.42E+01 (for 0-10 ft).

Table C27-f. NODA Exposure Point Concentration Calculations Area #3 by Bin Depths.

COPC	0-0.5	0-4	0-10
2-Hexanone	1.33E-02	1.67E-03	6.67E-04
2-Pentanone	4.86E+01	6.08E+00	2.43E+00
Barium	2.98E+02	1.72E+02	1.32E+02
Chromium III	2.57E+01	2.19E+01	2.27E+01
Cobalt	1.14E+01	9.92E+00	8.23E+00
Copper	2.45E+01	1.99E+01	1.72E+01
Lead	1.78E+01	1.35E+01	1.45E+01
Manganese	4.53E+02	2.76E+02	2.41E+02
Nickel	3.75E+01	2.98E+01	2.41E+01
Vanadium	2.44E+01	2.00E+01	1.82E+01
Zinc	1.59E+02	1.15E+02	8.91E+01

EPC units are mg/kg or pCi/g; bin depths are in feet.

Table C27-g. NODA Exposure Point Concentration Calculations Area #4 by Bin Depths.

COPC	0-0.5	0-4	0-10
Benzo(a)pyrene	1.00E+00	4.40E-01	1.76E-01
Chrysene	7.80E-01	4.13E-01	1.65E-01
Mangansene	5.55E+02	5.55E+02	2.22E+02
Methapyrilene	1.70E+00	5.28E-01	2.11E-01
Phenanthrene	3.30E-01	2.47E-01	9.88E-02
Selenium	9.90E-01	9.90E-01	3.96E-01

TPH-Diesel	1.20E+03	5.09E+02	2.04E+02

EPC units are mg/kg or pCi/g; bin depths are in feet.

Table C28-a. Soil Contaminant Screening Process for WAG 10, OU 10-04, STF-02 (Kickout-2000).

		Step 1		Step 2	Step 3		Step 4		Site COPC?		
Detected Contaminants	Max Source Concentration (mg/kg or pCi/g)	INEEL Background Concentration (mg/kg or pCi/g)	Max Concentration >Background?	Nontoxic Metal?	Region 9/3 RBC (mg/kg or pCi/g)	Max Concentration > RBC?	INEEL EBSL (mg/kg or pCi/g)	Max Concentration > EBSL?	HHRA	ERA	HHRA[a]
Aluminum	1.23E+04	1.60E+04	No	Yes	7.61E+04	No	8.50E+00	Yes	No	No	No
Arsenic	6.30E+00	5.80E+00	Yes	No	3.90E-01	Yes	8.44E-01	Yes	No[b]	No[b]	No[b]
Barium	2.41E+02	3.00E+02	No	No	5.48E+03	No	1.10E+01	Yes	No	No	No
Beryllium	9.10E-01	1.80E+00	No	No	1.56E+02	No	7.14E-01	Yes	No	No	No
Cadmium	6.90E-01	2.20E+00	No	No	3.90E+01	No	2.36E-03	Yes	No	No	No
Calcium	7.88E+04	2.40E+04	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Chromium	1.80E+01	3.30E+01	No	No	2.10E+02	No	1.00E+00	Yes	No	No	No
Cobalt	8.50E+00	1.10E+01	No	No	4.69E+03	No	4.27E-01	Yes	No	No	No
Copper	2.32E+01	2.20E+01	Yes	No	2.90E+03	No	2.11E+00	Yes	No	Yes	No
Iron	1.92E+04	2.40E+04	No	Yes	2.35E+04	No	No EBSL	No EBSL	No	No	No
Lead	7.02E+01	1.70E+01	Yes	No	4.00E+02	No	9.94E-01	Yes	No	Yes	Yes[c]
Magnesium	1.27E+04	1.20E+04	Yes	Yes	NO RBC	No RBC	No EBSL	No EBSL	No	No	No
Manganese	5.30E+02	4.90E+02	Yes	No	1.60E+03	No	1.05E+01	Yes	No	No[d]	Yes[c]
Nickel	2.17E+01	3.50E+01	No	No	1.56E+03	No	3.00E+01	No	No	No	No
Potassium	3.71E+03	4.30E+03	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Selenium	4.80E-01	2.20E-01	Yes	No	3.91E+02	No	1.72E-01	Yes	No	Yes	No
Sodium	1.02E+03	3.20E+02	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Vanadium	2.35E+01	4.50E+01	No	No	5.48E+02	No	1.49E+00	Yes	No	No	No
Zinc	7.60E+01	1.50E+02	No	No	2.35E+04	No	3.29E+00	Yes	No	No	No

Source: WAG 10, OU 10-04 Database.
"NA" in Step 1 indicates that a background value is not available.
"No RBC" indicates that an EPA Region 9 or 3 risk-based concentration based on residential soil ingestion is not available.
"No EBSL" indicates that an INEEL EBSL is not available.
a. HHRA screening using 1/10th of the RBC (see Section C-1.4.1.3).
b. Arsenic was removed from the ERA & HHRA COPC lists because detected levels are within the arsenic regional background ranges discussed in Appendix K.c. Lead and manganese were identified as possible COPCs during a preliminary screen of contaminants to 1/10th of the RBC. However, the maximum concentrations for these contaminants were less than ½ of their RBC and would not show risk if assessed. These contaminants will not be evaluated in the HHRA.
d. Manganese was eliminated as a COPC for the ERA risk assessment because only 1 sample out of 20 exceeded the background value. Next highest detection is 489 mg/kg.

	Step 1	Step 2	Step 3	Step 4	Site COPC?

Table C28-b. Soil Contaminant Screening Process for WAG 10, OU 10-04, STF-02 (Remainder-2000).

		Step 1		Step 2	Step 3		Step 4		Site COPC?		
Detected Contaminants	Max Source Concentration (mg/kg or pCi/g)	INEEL Background Concentration (mg/kg or pCi/g)	Max Concentration >Background?	Nontoxic Metal?	Region 9/3 RBC (mg/kg or pCi/g)	Max Concentration > RBC?	INEEL EBSL (mg/kg or pCi/g)	Max Concentration > EBSL?	HHRA	ERA	HHRA[a]
Aluminum	9.59E+03	1.60E+04	No	Yes	7.61E+04	No	8.50E+00	Yes	No	No	No
Antimony	1.49E+01	4.80E+00	Yes	No	3.13E+01	No	1.35E+00	Yes	No	Yes	Yes[b]
Arsenic	8.70E+00	5.80E+00	Yes	No	3.90E-01	Yes	8.44E-01	Yes	No[c]	No[c]	No[c]
Barium	2.26E+02	3.00E+02	No	No	5.48E+03	No	1.10E+01	Yes	No	No	No
Beryllium	06.00E-01	1.80E+00	No	No	1.56E+02	No	7.14E-01	No	No	No	No
Cadmium	1.98E+01	2.20E+00	Yes	No	3.90E+01	No	2.36E-03	Yes	No	No[d]	No[d]
Calcium	5.61E+04	2.40E+04	Yes	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Chromium	1.86E+01	3.30E+01	No	No	2.10E+02	No	1.00E+00	Yes	No	No	No
Cobalt	6.30E+00	1.10E+01	No	No	4.69E+03	No	4.27E-01	Yes	No	No	No
Copper	1.23E+03	2.20E+01	Yes	No	2.90E+03	No	2.11E+00	Yes	No	Yes	Yes[b]
Iron	1.52E+04	2.40E+04	No	Yes	2.35E+04	No	No EBSL	No EBSL	No	No	No
Lead	2.44E+04	1.70E+01	Yes	No	4.00E+02	Yes	9.94E-01	Yes	Yes	Yes	Yes
Magnesium	875E+03	1.20E+04	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Manganese	3.28E+02	4.90E+02	No	No	1.60E+03	No	1.05E+01	Yes	No	No	No
Nickel	2.34E+01	3.50E+01	No	No	1.56E+03	No	3.00E+01	No	No	No	No
Potassium	2.16E+03	4.30E+03	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Selenium	6.60E-01	2.20E-01	Yes	No	3.91E+02	No	1.72E-01	Yes	No	Yes	No
Silver	5.10E-01	NA	No	No	3.91E+02	No	2.00E+00	No	No	No	No
Sodium	2.88E+02	3.20E+02	No	Yes	No RBC	No RBC	No EBSL	No EBSL	No	No	No
Thallium	9.00E-01	4.30E-01	Yes	No	5.48E+00	No	1.01E-01	Yes	No	No[e]	No[e]
Vanadium	2.69E+01	4.50E+01	No	No	5.48E+02	No	1.49E+00	Yes	No	No	No
Zinc	4.22E+02	1.50E+02	Yes	No	2.35E+04	No	3.29E+00	Yes	No	Yes	No

Source: WAG 10, OU 10-04 Database.

"NA" in Step 1 indicates that a background value is not available.

"No RBC" indicates that an EPA Region 9 or 3 risk-based concentration based on residential soil ingestion is not available.

"No EBSL" indicates that an INEEL EBSL is not available.

a. HHRA screening using 1/10th of the RBC (see Section C-1.4.1.3).

b. Antimony and copper were identified as possible COPCs during a preliminary screen of contaminants to 1/10th of the RBC. Antimony results are associated with elevated detection limits, do to the less senstive analsys methodology (ICP). Copper was evlauated using the HHRA spreadsheets, and did not contribute significantly to risk.

c. Arsenic was removed from the ERA & HHRA COPC lists because detected levels are within the arsenic regional background ranges discussed in Appendix K.

d. Cadmium was removed from the ERA and HHRA COPC lists since there was only 1 detect in 52 samples (Frequency of Detection Rule, RAGS)

e. Thallium was removed from the ERA and HHRA COPC lists since there was only 1 detect in 52 samples (Frequency of Detection Rule, RAGS)

Table C28-c. Summary Statistics for the STF-02 Gun Range—Kickout Area—Analytes in Soil.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Aluminum	20	20	100	7,390	12,300	10,100	1,340	mg/kg
Arsenic	20	20	100	4.20	6.3	5.49	0.518	mg/kg
Barium	20	20	100	173	241	215	21.7	mg/kg
Beryllium	20	20	100	0.5	0.91	0.726	0.121	mg/kg
Cadmium	20	20	100	0.5	0.69	0.589	0.054	mg/kg
Calcium	20	20	100	4,760	78,800	20,400	23,200	mg/kg
Chromium	20	20	100	11.5	18.0	15.2	1.58	mg/kg
Cobalt	20	20	100	6.1	8.5	7.29	0.641	mg/kg
Copper	20	20	100	13.7	23.2	19.9	2.72	mg/kg
Iron	20	20	100	11,500	19,200	15,900	2,000	mg/kg
Lead	20	20	100	13.5	70.2	22.9	12.6	mg/kg
Magnesium	20	20	100	5,270	12,700	7,140	2,220	mg/kg
Manganese	20	20	100	358	530	452	50.0	mg/kg
Mercury	0	20	0	0.045	0.05	NA	NA	mg/kg
Nickel	20	20	100	16.1	21.7	18.8	1.78	mg/kg
Potassium	20	20	100	2,720	3,710	3,080	248	mg/kg
Selenium	2	20	10	0.22	0.48	0.251	0.074	mg/kg
Silver	0	20	0	0.22	0.235	NA	NA	mg/kg
Sodium	20	20	100	80.2	1,020	200	232	mg/kg
Thallium	0	20	0	0.44	0.47	NA	NA	mg/kg
Vanadium	20	20	100	15.5	23.5	20.0	1.86	mg/kg
Zinc	20	20	100	47.2	76.0	63.1	9.05	mg/kg

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units

U = non detect; value represents 1/2 the detection limit.

NA = not applicable; not calculated.

Table C28-d. Summary Statistics for the STF-02 Gun Range—Remainder of Area—Analytes in Soil.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Aluminum	51	51	100	1970	9,590	5,350	1,460	mg/kg
Antimony	5	22	23	0.42	14.9	1.97	3.79	mg/kg
Arsenic	51	51	100	1.2	8.7	5.89	1.59	mg/kg
Barium	51	51	100	34.5	226	112	33.9	mg/kg
Beryllium	16	51	31	0.21	0.6	0.312	0.13	mg/kg
Cadmium	4	51	8	0.21	19.8	0.658	2.75	mg/kg
Calcium	51	51	100	5,590	56,100	23,700	9,820	mg/kg
Chromium	51	51	100	3.1	18.6	13.5	3.68	mg/kg
Cobalt	51	51	100	1.8	6.30	4.39	1.05	mg/kg
Copper	45	45	100	3.9	1,230	61.5	185	mg/kg
Iron	51	51	100	5,230	15,200	10,900	2,160	mg/kg
Lead	43	43	100	3.05	24,400	2,170	5,150	mg/kg
Magnesium	51	51	100	1,290	8,750	4,910	1,490	mg/kg
Manganese	51	51	100	79.5	328	198	47.4	mg/kg
Mercury	0	51	0	0.04	0.45	NA	NA	mg/kg
Nickel	51	51	100	3.,350	23.4	17.0	4.54	mg/kg
Potassium	51	51	100	287	2,160	1210	471	mg/kg
Selenium	9	51	18	0.21U	0.66	0.279	0.118	mg/kg
Silver	1	51	2	0.21U	0.51	NA	NA	mg/kg
Sodium	51	51	100	92.9	288	144	50.8	mg/kg
Thallium	1	51	2	0.42U	0.9	NA	NA	mg/kg
Vanadium	51	51	100	6.25	2,690	20.5	5.07	mg/kg
Zinc	45	45	100	20.5	422	77.8	67.9	mg/kg

Note-. For analytes with no detects, both the minimum and maximum values are nondetects at ½ the detection limit.
U = non detect; value represents ½ the detection limit.
NA = not applicable; not calculated

Table C28-e. Summary Exposure Point Concentrations for STF-02 Kickout by Bin Depths.

COPC	0-0.5	0-4	0-10
Copper	2.11E+01	2.63E+00	1.05E+00
Lead	2.67E+01	3.34E+00	1.34E+00
Selenium	2.74E-01	3.42E-02	1.37E-02

EPC units are mg/kg or pCi/g; bin depths are in feet.

Table C28-f. Summary Exposure Point Concentrations for STF-02 Remainder by Bin Depths.

COPC	0-0.5	0-4	0-10
Anitmony	1.49E+01	2.84E+00	1.13E+00
Copper[a]	5.42E+01	2.35E+01	9.40E+00
Lead	2.44E+04	4.18E+03	1.67E+03
Selenium	2.67E-01	3.99E-01	1.60E-01
Zinc	1.09E+02	6.68E+01	2.67E+01

EPC units are mg/kg or pCi/g; bin depths are in feet.

a. Two sample results for copper were removed, according to "hot spots," before the EPCs were calculated for the EPA. See discussion in the summary section for STF-02 remainder area in Appendix F.

Table C29-a. Soil Contaminant Screening Process for OU 10-07, Buried U.S. West Telecommmunications Line.

		Step 1		Step 2	Step 3		Step 4		Site COPC?		
Detected Contaminants	Max Source Concentration (mg/kg)	INEEL Background Concentration (mg/kg)	Max Concentration >Background?	Nontoxic Metal?	Region IX/II RBC (mg/kg)	Is Max Concentration > RBC?	INEEL EBSL (mg/kg)	Is Max Concentration > EBSL?	HHRA	ERA	HHRA[a]
Lead	1.06E+01	1.70E+01	No	No	4.00E+02	No	9.94E-01	Yes	No	No	No

Source: WAG 10, OU 10-04 Database.

"NA" in Step 1 indicates that a background value is not available.

"No RBC" indicates that an EPA Region 9 or 3 risk-based concentration based on residential soil ingestion is not available.

"No EBSL" indicates that an INEEL EBSL is not available.

a. HHRA screening using 1/10th of the RBC (see Section C-1.4.1.3).

Table C29-b. Summary Statistics for the U.S. West Cable Soils.

Analyte	Number of Detects	Number of Samples	% Detects	Minimum	Maximum	Average	Std. Deviation	Units
Lead	8	8	100	5.6	9.5	7.59	1.63	mg/kg