

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

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### Metals (PT-MET-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1000	Aluminum	mg/kg	1000 - 25000	100
1005	Antimony	mg/kg	80.0 - 300	8.00
1010	Arsenic	mg/kg	40.0 - 400	4.00
1015	Barium	mg/kg	100 - 1000	10.0
1020	Beryllium	mg/kg	40.0 - 400	3.00
1030	Cadmium	mg/kg	40.0 - 400	4.00
1035	Calcium	mg/kg	1500 - 25000	150
1040	Chromium	mg/kg	40.0 - 400	4.00
1050	Cobalt	mg/kg	40.0 - 400	3.00
1055	Copper	mg/kg	40.0 - 400	4.00
1070	Iron	mg/kg	1000 - 50000	100
1075	Lead	mg/kg	40.0 - 400	4.00
1085	Magnesium	mg/kg	1200 - 25000	120
1090	Manganese	mg/kg	100 - 2000	10.0
1095	Mercury	mg/kg	1.00 - 35.0	0.100
1100	Molybdenum	mg/kg	30.0 - 300	3.00
1105	Nickel	mg/kg	40.0 - 500	4.00
1125	Potassium	mg/kg	1400 - 25000	140
1140	Selenium	mg/kg	40.0 - 400	4.00
1150	Silver	mg/kg	20.0 - 100	2.00
1155	Sodium	mg/kg	150 - 15000	15.0
1160	Strontium	mg/kg	40.0 - 400	4.00
1165	Thallium	mg/kg	40.0 - 400	4.00
1175	Tin	mg/kg	75.0 - 250	7.50
1185	Vanadium	mg/kg	40.0 - 400	4.00
1190	Zinc	mg/kg	100 - 1000	10.0

### NELAC Experimental Analytes

1025	Boron	mg/kg	80.0 - 200	8.00
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### Additional State Specific Analytes

1080	Lithium	mg/kg	1.00 - 250	NA
1180	Titanium	mg/kg	1.00 - 250	NA
3035	Uranium	mg/kg	1.00 - 250	NA

### Hexavalent Cr (PT-CR6-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1045	Chromium VI	mg/kg	40.0 - 300	4.00

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### Cyanide (PT-CN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1635	Cyanide, total	mg/kg	5.00 - 100	1.00

### Corrosivity-pH (PT-CORR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1625	Corrosivity (pH)	Units	2.00 - 12.0	NA

### Flash Point (PT-FP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1780	Ignitability	°F	100 - 200	NA

### Anions (PT-AN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### NELAC Experimental Analytes

1540	Bromide	mg/kg	10.0 - 200	2.00
1575	Chloride	mg/kg	25.0 - 2000	5.00
1730	Fluoride	mg/kg	25.0 - 500	5.00
1810	Nitrate as N	mg/kg	25.0 - 500	5.00
1870	Orthophosphate as P	mg/kg	25.0 - 500	5.00
2000	Sulfate	mg/kg	25.0 - 2000	5.00

### Nutrients (PT-NUT-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### NELAC Experimental Analytes

1515	Ammonia as N	mg/kg	100 - 5000	20.0
1795	Total Kjeldahl Nitrogen(TKN)	mg/kg	100 - 5000	20.0
2040	Total Organic Carbon(TOC)	mg/kg	1000 - 15000	100
1910	Total Phosphorous	mg/kg	100 - 5000	20.0

### Perchlorate (PT-PERC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes

1895	Perchlorate	µg/Kg	100 - 500	50.0
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### Solids (PT-SOL-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1950	Total Solids	%	50.0 - 100	NA
-	Fixed Solids	%	50.0 - 100	NA
1970	Volatile Solids	%	5.00 - 35.0	NA
-	Percent Moisture	%	50.0 - 100	NA

### Reactive Cyanide (PT-CNR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
-	Reactive Cyanide	mg/kg	50.0 - 1500	NA

### Cyanide, Amenable (PT-CNA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1510	Amenable cyanide	mg/kg	5.00 - 100	NA

### Reactive Sulfide (PT-S2R-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1925	Reactive sulfide	mg/kg	50.0 - 1500	NA

### Total Sulfide (PT-S2T-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
2010	Total Sulfide	mg/kg	10.0 - 500	NA

### Sand, Silt and Clay (PT-SSC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
-	Clay	%	1.00 - 99.0	NA
-	Sand	%	1.00 - 99.0	NA
-	Silt	%	1.00 - 99.0	NA

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### Particle Size (PT-PSA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes

-	Sand (>75µm)	%	1.00 - 50.0	NA
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### Nitrite in Soil (PT-NO2-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes

1840	Nitrite as N	mg/kg	10.0 - 250	NA
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### Conductivity (PT-COND-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes

1610	Conductivity	mS/cm	0.100 - 10.0	NA
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### Total Organic Halides in Transformer Oil (PT-TOX-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes

2045	Total organic halides (TOX)	µg/g	10.0 - 50.0	NA
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### Volatiles (PT-VOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4315	Acetone	µg/kg	160 - 400	40.0
4375	Benzene	µg/kg	20.0 - 200	10.0
4395	Bromodichloromethane	µg/kg	20.0 - 200	10.0
4400	Bromoform	µg/kg	20.0 - 200	9.30
4410	2-Butanone (MEK)	µg/kg	160 - 400	40.0
4455	Carbon tetrachloride	µg/kg	20.0 - 200	9.90
4475	Chlorobenzene	µg/kg	20.0 - 200	10.0
4575	Chlorodibromomethane	µg/kg	20.0 - 200	9.90
4505	Chloroform	µg/kg	20.0 - 200	11.0
4610	1,2-Dichlorobenzene	µg/kg	20.0 - 200	9.00
4615	1,3-Dichlorobenzene	µg/kg	20.0 - 200	5.00
4620	1,4-Dichlorobenzene	µg/kg	20.0 - 200	7.00
4630	1,1-Dichloroethane	µg/kg	20.0 - 200	11.0
4635	1,2-Dichloroethane	µg/kg	20.0 - 200	12.0
4655	1,2-Dichloropropane	µg/kg	20.0 - 200	12.0
4765	Ethylbenzene	µg/kg	20.0 - 200	9.00
4975	Methylene chloride	µg/kg	20.0 - 200	9.00
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	20.0 - 200	7.80
4995	4-Methyl-2-pentanone (MIBK)	µg/kg	80.0 - 400	32.0
5005	Naphthalene	µg/kg	40.0 - 200	10.0
5105	1,1,1,2-Tetrachloroethane	µg/kg	20.0 - 200	12.0
5110	1,1,2,2-Tetrachloroethane	µg/kg	20.0 - 200	8.90
5115	Tetrachloroethene	µg/kg	20.0 - 200	8.30
5140	Toluene	µg/kg	20.0 - 200	11.0
5155	1,2,4-Trichlorobenzene	µg/kg	40.0 - 200	10.0
5160	1,1,1-Trichloroethane	µg/kg	20.0 - 200	9.00
5165	1,1,2-Trichloroethane	µg/kg	20.0 - 200	13.0
5170	Trichloroethene	µg/kg	20.0 - 200	10.0
5180	1,2,3-Trichloropropane	µg/kg	40.0 - 200	10.0
5260	Xylenes, total	µg/kg	40.0 - 400	18.0

### NELAC Experimental Analytes

4385	Bromobenzene	µg/kg	40.0 - 200	10.0
4950	Bromomethane	µg/kg	80.0 - 200	20.0
4485	Chloroethane	µg/kg	80.0 - 200	20.0
4960	Chloromethane	µg/kg	80.0 - 200	20.0
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	40.0 - 200	10.0
4585	1,2-Dibromoethane (EDB)	µg/kg	40.0 - 200	10.0
4625	Dichlorodifluoromethane	µg/kg	80.0 - 200	20.0
4640	1,1-Dichloroethene	µg/kg	40.0 - 200	10.0
4645	cis-1,2-Dichloroethene	µg/kg	40.0 - 200	10.0
4700	trans-1,2-Dichloroethene	µg/kg	40.0 - 200	10.0

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### Volatiles (PT-VOA-SOIL) cont'd

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>NELAC Experimental Analytes cont'd</b>				
4680	cis-1,3-Dichloropropene	µg/kg	40.0 - 200	10.0
4685	trans-1,3-Dichloropropene	µg/kg	40.0 - 200	10.0
4860	2-Hexanone	µg/kg	160 - 400	40.0
4900	Isopropylbenzene	µg/kg	40.0 - 200	10.0
5100	Styrene	µg/kg	40.0 - 200	10.0
5175	Trichlorofluoromethane	µg/kg	80.0 - 200	20.0
5235	Vinyl chloride	µg/kg	80.0 - 200	20.0
<b>Additional State Specific Analytes</b>				
4320	Acetonitrile	µg/kg	20.0 - 200	NA
4325	Acrolein	µg/kg	20.0 - 200	NA
4340	Acrylonitrile	µg/kg	20.0 - 200	NA
4390	Bromochloromethane	µg/kg	20.0 - 200	NA
4435	n-Butylbenzene	µg/kg	20.0 - 200	NA
4440	sec-Butylbenzene	µg/kg	20.0 - 200	NA
4445	tert-Butylbenzene	µg/kg	20.0 - 200	NA
4450	Carbon disulfide	µg/kg	20.0 - 200	NA
4465	Chloroacetaldehyde	µg/kg	20.0 - 200	NA
5765	bis(2-Chloroethyl)ether	µg/kg	20.0 - 200	NA
5760	bis(2-Chloroethoxy)methane	µg/kg	20.0 - 200	NA
5780	bis(2-Chloroisopropyl)ether	µg/kg	20.0 - 200	NA
4500	2-Chloroethylvinylether	µg/kg	20.0 - 200	NA
4535	2-Chlorotoluene	µg/kg	20.0 - 200	NA
4540	4-Chlorotoluene	µg/kg	20.0 - 200	NA
4595	Dibromomethane	µg/kg	20.0 - 200	NA
4660	1,3-Dichloropropane	µg/kg	20.0 - 200	NA
4665	2,2-Dichloropropane	µg/kg	20.0 - 200	NA
4670	1,1-Dichloropropene	µg/kg	20.0 - 200	NA
9375	DIPE	µg/kg	20.0 - 200	NA
4840	Hexachloroethane	µg/kg	20.0 - 200	NA
4835	Hexachlorobutadiene	µg/kg	20.0 - 200	NA
4910	p-Isopropyltoluene	µg/kg	20.0 - 200	NA
5090	n-Propylbenzene	µg/kg	20.0 - 200	NA
4370	TAME	µg/kg	20.0 - 200	NA
5150	1,2,3-Trichlorobenzene	µg/kg	20.0 - 200	NA
5210	1,2,4-Trimethylbenzene	µg/kg	20.0 - 200	NA
5215	1,3,5-Trimethylbenzene	µg/kg	20.0 - 200	NA
5225	Vinyl acetate	µg/kg	20.0 - 200	NA
5250	o-Xylene	µg/kg	40.0 - 400	NA
5240	m+p-Xylene	µg/kg	40.0 - 400	NA

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### Base, Neutrals and Acids (PT-BNA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/kg	1000 - 12000	200
5505	Acenaphthylene	µg/kg	1000 - 12000	200
5555	Anthracene	µg/kg	1000 - 12000	200
5575	Benzo(a)anthracene	µg/kg	1000 - 12000	200
5585	Benzo(b)fluoranthene	µg/kg	1000 - 12000	200
5600	Benzo(k)fluoranthene	µg/kg	1000 - 12000	200
5590	Benzo(g,h,i)perylene	µg/kg	1000 - 12000	200
5580	Benzo(a)pyrene	µg/kg	1000 - 12000	200
5660	4-Bromophenyl-phenylether	µg/kg	1500 - 15000	300
5670	Butyl benzyl phthalate	µg/kg	1500 - 15000	300
5700	4-Chloro-3-methylphenol	µg/kg	1500 - 15000	300
5760	Bis(2-chloroethoxy)methane	µg/kg	1500 - 15000	300
5780	Bis(2-chloroisopropyl) ether	µg/kg	1500 - 15000	300
5795	2-Chloronaphthalene	µg/kg	1000 - 10000	200
5800	2-Chlorophenol	µg/kg	1500 - 15000	300
5825	4-Chlorophenyl-phenylether	µg/kg	1500 - 15000	300
5855	Chrysene	µg/kg	1000 - 12000	200
5895	Dibenzo(a,h)anthracene	µg/kg	1000 - 12000	200
5905	Dibenzofuran	µg/kg	1500 - 15000	300
5925	Di-n-butylphthalate	µg/kg	1500 - 15000	300
4610	1,2-Dichlorobenzene	µg/kg	1500 - 15000	300
4615	1,3-Dichlorobenzene	µg/kg	1500 - 15000	300
4620	1,4-Dichlorobenzene	µg/kg	1500 - 15000	300
6000	2,4-Dichlorophenol	µg/kg	1500 - 15000	300
6070	Diethylphthalate	µg/kg	1500 - 15000	300
6135	Dimethylphthalate	µg/kg	1500 - 15000	300
6185	2,4-Dinitrotoluene	µg/kg	1500 - 15000	300
6190	2,6-Dinitrotoluene	µg/kg	1500 - 15000	300
6200	Di-n-octylphthalate	µg/kg	1500 - 15000	300
6255	Bis(2-ethylhexyl)phthalate	µg/kg	1500 - 15000	300
6265	Fluoranthene	µg/kg	1000 - 12000	200
6270	Fluorene	µg/kg	1000 - 12000	200
6275	Hexachlorobenzene	µg/kg	1500 - 15000	300
4835	Hexachlorobutadiene	µg/kg	1500 - 15000	300
6315	Indeno(1,2,3-cd)pyrene	µg/kg	1000 - 12000	200
6400	2-Methylphenol	µg/kg	3000 - 15000	600
5005	Naphthalene	µg/kg	1000 - 12000	200
5015	Nitrobenzene	µg/kg	1500 - 15000	300
6490	2-Nitrophenol	µg/kg	3000 - 15000	600
6500	4-Nitrophenol	µg/kg	3000 - 15000	600
6545	N-Nitroso-di-n-propylamine	µg/kg	1500 - 15000	300

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### Base, Neutrals and Acids (PT-BNA-SOIL) cont'd

NELAC Code	Analyte	Units	Concentration Range	PTRL
6605	Pentachlorophenol	µg/kg	3000 - 15000	600
6615	Phenanthrene	µg/kg	1000 - 12000	200
6625	Phenol	µg/kg	1500 - 15000	300
6665	Pyrene	µg/kg	1000 - 12000	200
5155	1,2,4-Trichlorobenzene	µg/kg	1500 - 15000	300
6835	2,4,5-Trichlorophenol	µg/kg	1500 - 15000	300
6840	2,4,6-Trichlorophenol	µg/kg	1500 - 15000	300
<b>NELAC Experimental Analytes</b>				
5765	bis(2-Chloroethyl)ether	µg/kg	1500 - 15000	300
6005	2,6-Dichlorophenol	µg/kg	1500 - 15000	300
6130	2,4-Dimethylphenol	µg/kg	3000 - 15000	600
6175	2,4-Dinitrophenol	µg/kg	3000 - 15000	600
6285	Hexachlorocyclopentadiene	µg/kg	1500 - 15000	300
4840	Hexachloroethane	µg/kg	1500 - 15000	300
6320	Isophorone	µg/kg	1500 - 15000	300
6360	2-Methyl-4,6-Dinitrophenol	µg/kg	3000 - 15000	600
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	200
6410	4-Methylphenol (and/or 3-Methylphenol)	µg/kg	3000 - 15000	600
6530	N-Nitrosodimethylamine	µg/kg	1500 - 15000	300
6535	N-Nitrosodiphenylamine	µg/kg	1500 - 15000	300
<b>Additional State Specific Analytes</b>				
5145	2-Amino-1-methylbenzene	µg/kg	500 - 10000	NA
5545	Aniline	µg/kg	500 - 10000	NA
5595	Benzidine	µg/kg	500 - 10000	NA
5610	Benzoic acid	µg/kg	500 - 10000	NA
5625	Benzotrichloride	µg/kg	500 - 10000	NA
5630	Benzyl alcohol	µg/kg	500 - 10000	NA
5635	Benzyl chloride	µg/kg	500 - 10000	NA
5680	Carbazole	µg/kg	500 - 10000	NA
5745	4-Chloroaniline	µg/kg	500 - 10000	NA
5790	1-Chloronaphthalene	µg/kg	500 - 10000	NA
5810	2-Chlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
5815	3-Chlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
5820	4-Chlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
5885	Diamylphthalate	µg/kg	500 - 10000	NA
5920	2,4-Dibromophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
5945	3,3'-Dichlorobenzidine	µg/kg	500 - 10000	NA
6010	2,4-Dichlorophenyl-3-methyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6015	2,3-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6020	2,4-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA

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NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes cont'd</b>				
6025	2,5-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6030	2,6-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6035	3,4-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6040	3,5-Dichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6055	Dicyclohexylphthalate	µg/kg	500 - 10000	NA
6195	Dinonylphthalate	µg/kg	500 - 10000	NA
6280	Hexachlorocyclohexane	µg/kg	500 - 10000	NA
6305	Hexyl-2-ethylhexylphthalate	µg/kg	500 - 10000	NA
6335	Maleic anhydride	µg/kg	500 - 10000	NA
6350	bis(2-methoxyethyl)phthalate	µg/kg	500 - 10000	NA
6460	2-Nitroaniline	µg/kg	500 - 10000	NA
6465	3-Nitroaniline	µg/kg	500 - 10000	NA
6470	4-Nitroaniline	µg/kg	500 - 10000	NA
6495	3-Nitrophenol	µg/kg	500 - 10000	NA
6505	4-Nitrophenylphenylether	µg/kg	500 - 10000	NA
6525	N-Nitrosodiethylamine	µg/kg	1500 - 15000	NA
6590	Pentachlorobenzene	µg/kg	500 - 10000	NA
6595	Pentachlorohexane	µg/kg	500 - 10000	NA
5095	Pyridine	µg/kg	500 - 10000	NA
6705	1,2,3,4-Tetrachlorobenzene	µg/kg	500 - 10000	NA
6710	1,2,3,5-Tetrachlorobenzene	µg/kg	500 - 10000	NA
6715	1,2,4,5-Tetrachlorobenzene	µg/kg	500 - 10000	NA
6730	2,3,4,5-Tetrachlorophenol	µg/kg	500 - 10000	NA
6735	2,3,4,6-Tetrachlorophenol	µg/kg	500 - 10000	NA
6740	2,3,5,6-Tetrachlorophenol	µg/kg	500 - 10000	NA
5150	1,2,3-Trichlorobenzene	µg/kg	500 - 10000	NA
6800	1,3,5-Trichlorobenzene	µg/kg	500 - 10000	NA
6845	2,3,4-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6850	2,3,5-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6855	2,3,6-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6860	2,4,5-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6865	2,4,6-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA
6870	3,4,5-Trichlorophenyl-4-nitrophenylether	µg/kg	500 - 10000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Pesticides (PT-PEST-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7025	Aldrin	µg/kg	50.0 - 500	5.00
7110	alpha-BHC	µg/kg	50.0 - 500	5.00
7115	beta-BHC	µg/kg	50.0 - 500	5.00
7105	delta-BHC	µg/kg	50.0 - 500	5.00
7120	gamma-BHC (Lindane)	µg/kg	50.0 - 500	5.00
7240	alpha-Chlordane	µg/kg	50.0 - 500	5.00
7245	gamma-Chlordane	µg/kg	50.0 - 500	5.00
7355	DDD (4,4)	µg/kg	50.0 - 500	5.00
7360	DDE (4,4)	µg/kg	50.0 - 500	5.00
7365	DDT (4,4)	µg/kg	50.0 - 500	5.00
7470	Dieldrin	µg/kg	50.0 - 500	5.00
7510	Endosulfan I	µg/kg	50.0 - 500	5.00
7515	Endosulfan II	µg/kg	50.0 - 500	5.00
7520	Endosulfan sulfate	µg/kg	50.0 - 500	5.00
7540	Endrin	µg/kg	50.0 - 500	5.00
7530	Endrin aldehyde	µg/kg	50.0 - 500	5.00
7535	Endrin ketone	µg/kg	50.0 - 500	5.00
7685	Heptachlor	µg/kg	50.0 - 500	5.00
7690	Heptachlor epoxide	µg/kg	50.0 - 500	5.00
7810	Methoxychlor	µg/kg	50.0 - 500	5.00

### Chlordane (PT-CHLR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7250	Chlordane	µg/kg	200 - 1000	20.0

### Toxaphene (PT-TXP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8250	Toxaphene	µg/kg	200 - 2000	20.0

### PCBs (PT-PCB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8880	Aroclor 1016	mg/kg	1.00 - 50.0	0.200
8885	Aroclor 1221	mg/kg	1.00 - 50.0	0.200
8890	Aroclor 1232	mg/kg	1.00 - 50.0	0.200
8895	Aroclor 1242	mg/kg	1.00 - 50.0	0.200
8900	Aroclor 1248	mg/kg	1.00 - 50.0	0.200
8905	Aroclor 1254	mg/kg	1.00 - 50.0	0.200
8910	Aroclor 1260	mg/kg	1.00 - 50.0	0.200

### Additional State Specific Analytes

-	Total PCBs	mg/kg	1.00 - 50.0	NA
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## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Herbicides (PT-HERB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8545	2,4-D	µg/kg	100 - 1000	20.0
8595	Dicamba	µg/kg	100 - 1000	20.0
8655	2,4,5-T	µg/kg	100 - 1000	20.0
8650	2,4,5-TP (Silvex)	µg/kg	100 - 1000	20.0
<b>NELAC Experimental Analytes</b>				
8560	2,4-DB	µg/kg	100 - 1000	20.0
8620	Dinoseb	µg/kg	100 - 1000	20.0
<b>Additional State Specific Analytes</b>				
8505	Acifluorfen	µg/kg	100 - 1000	NA
8530	Bentazon	µg/kg	100 - 1000	NA
8540	Chloramben	µg/kg	100 - 1000	NA
8550	Dacthal (DCPA)	µg/kg	100 - 1000	NA
8555	Dalapon	µg/kg	100 - 1000	NA
8600	3,5-Dichlorobenzoic acid	µg/kg	100 - 1000	NA
8605	Dichloroprop (Dichlorprop)	µg/kg	100 - 1000	NA
7775	MCPA	µg/kg	1000 - 50000	NA
7780	MCPPP	µg/kg	1000 - 50000	NA
6500	4-Nitrophenol	µg/kg	100 - 1000	NA
6605	Pentachlorophenol	µg/kg	100 - 1000	NA
8645	Picloram	µg/kg	100 - 1000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Medium Level Volatiles (PT-VOAM-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4315	Acetone	µg/kg	4000 - 20000	929
4375	Benzene	µg/kg	1000 - 10000	656
4395	Bromodichloromethane	µg/kg	1000 - 10000	479
4400	Bromoform	µg/kg	1000 - 10000	415
4410	2-Butanone (MEK)	µg/kg	4000 - 20000	809
4455	Carbon tetrachloride	µg/kg	1000 - 10000	479
4475	Chlorobenzene	µg/kg	1000 - 10000	648
4575	Chlorodibromomethane	µg/kg	1000 - 10000	642
4505	Chloroform	µg/kg	1000 - 10000	550
4595	Dibromomethane	µg/kg	2000 - 10000	500
4610	1,2-Dichlorobenzene	µg/kg	1000 - 10000	618
4615	1,3-Dichlorobenzene	µg/kg	1000 - 10000	500
4620	1,4-Dichlorobenzene	µg/kg	1000 - 10000	596
4630	1,1-Dichloroethane	µg/kg	1000 - 10000	676
4635	1,2-Dichloroethane	µg/kg	1500 - 10000	663
4655	1,2-Dichloropropane	µg/kg	2000 - 10000	500
4765	Ethylbenzene	µg/kg	1000 - 10000	697
4975	Methylene chloride	µg/kg	1000 - 10000	435
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	2000 - 10000	500
4995	4-Methyl-2-pentanone (MIBK)	µg/kg	4000 - 20000	1630
5005	Naphthalene	µg/kg	2000 - 10000	500
5015	Nitrobenzene	µg/kg	1500 - 15000	300
5105	1,1,1,2-Tetrachloroethane	µg/kg	1000 - 10000	520
5110	1,1,2,2-Tetrachloroethane	µg/kg	1500 - 10000	455
5115	Tetrachloroethene	µg/kg	1000 - 10000	543
5140	Toluene	µg/kg	1000 - 10000	665
5155	1,2,4-Trichlorobenzene	µg/kg	2000 - 10000	500
5160	1,1,1-Trichloroethane	µg/kg	1000 - 10000	530
5165	1,1,2-Trichloroethane	µg/kg	1000 - 10000	732
5170	Trichloroethene	µg/kg	1000 - 10000	638
5180	1,2,3-Trichloropropane	µg/kg	1500 - 10000	407
5260	Xylenes, total	µg/kg	2000 - 20000	931
NELAC Experimental Analytes				
4385	Bromobenzene	µg/kg	2000 - 10000	500
4950	Bromomethane	µg/kg	2000 - 10000	500
4485	Chloroethane	µg/kg	2000 - 10000	500
4960	Chloromethane	µg/kg	2000 - 10000	500
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	2000 - 10000	500
4585	1,2-Dibromoethane(EDB)	µg/kg	2000 - 10000	500
4625	Dichlorodifluoromethane	µg/kg	2000 - 10000	500
4640	1,1-Dichloroethene	µg/kg	2000 - 10000	500

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Medium Level Volatiles (PT-VOAM-SOIL) cont'd

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>NELAC Experimental Analytes cont'd</b>				
4645	cis-1,2-Dichloroethene	µg/kg	2000 - 10000	500
4700	trans-1,2-Dichloroethene	µg/kg	2000 - 10000	500
4680	cis-1,3-Dichloropropene	µg/kg	2000 - 10000	500
4685	trans-1,3-Dichloropropene	µg/kg	2000 - 10000	500
4860	2-Hexanone	µg/kg	8000 - 20000	2000
4900	Isopropylbenzene	µg/kg	2000 - 10000	500
5100	Styrene	µg/kg	2000 - 10000	500
5175	Trichlorofluoromethane	µg/kg	2000 - 10000	500
5235	Vinyl chloride	µg/kg	2000 - 10000	500
<b>Additional State Specific Analytes</b>				
4320	Acetonitrile	µg/kg	1000 - 15000	NA
4325	Acrolein	µg/kg	1000 - 15000	NA
4340	Acrylonitrile	µg/kg	1000 - 10000	NA
4390	Bromochloromethane	µg/kg	1000 - 10000	NA
4435	n-Butylbenzene	µg/kg	1000 - 10000	NA
4440	sec-Butylbenzene	µg/kg	1000 - 10000	NA
4445	tert-Butylbenzene	µg/kg	1000 - 10000	NA
4450	Carbon disulfide	µg/kg	1000 - 15000	NA
4465	Chloroacetaldehyde	µg/kg	1000 - 15000	NA
5765	bis(2-Chloroethyl)ether	µg/kg	1000 - 15000	NA
5760	bis(2-Chloroethoxy)methane	µg/kg	1000 - 15000	NA
5780	bis(2-Chloroisopropyl)ether	µg/kg	1000 - 15000	NA
4500	2-Chloroethylvinylether	µg/kg	1000 - 15000	NA
4535	2-Chlorotoluene	µg/kg	1000 - 10000	NA
4540	4-Chlorotoluene	µg/kg	1000 - 10000	NA
4660	1,3-Dichloropropane	µg/kg	1000 - 10000	NA
4665	2,2-Dichloropropane	µg/kg	1000 - 10000	NA
4670	1,1-Dichloropropene	µg/kg	1000 - 10000	NA
9375	DIPE	µg/kg	1000 - 10000	NA
4835	Hexachlorobutadiene	µg/kg	1000 - 15000	NA
4840	Hexachloroethane	µg/kg	1000 - 15000	NA
4910	p-Isopropyltoluene	µg/kg	1000 - 10000	NA
5090	n-Propylbenzene	µg/kg	1000 - 15000	NA
4370	TAME	µg/kg	1000 - 10000	NA
5150	1,2,3-Trichlorobenzene	µg/kg	1000 - 10000	NA
5210	1,2,4-Trimethylbenzene	µg/kg	1000 - 10000	NA
5215	1,3,5-Trimethylbenzene	µg/kg	1000 - 10000	NA
5225	Vinyl acetate	µg/kg	1000 - 15000	NA
5250	o-Xylene	µg/kg	2000 - 20000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Medium Level Volatiles (PT-VOAM-SOIL) cont'd

NELAC Code	Analyte	Units	Concentration Range	PTRL
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#### Additional State Specific Analytes cont'd

5240	m+p-Xylene	µg/kg	2000 - 20000	NA
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### PAHs (PT-PAH-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/kg	150 - 1000	30.0
5505	Acenaphthylene	µg/kg	150 - 1000	30.0
5555	Anthracene	µg/kg	100 - 1000	20.0
5575	Benzo(a)anthracene	µg/kg	50.0 - 500	10.0
5585	Benzo(b)fluoranthene	µg/kg	50.0 - 500	10.0
5600	Benzo(k)fluoranthene	µg/kg	50.0 - 500	10.0
5590	Benzo(g,h,i)perylene	µg/kg	100 - 1000	20.0
5580	Benzo(a)pyrene	µg/kg	50.0 - 500	10.0
5855	Chrysene	µg/kg	50.0 - 500	10.0
5895	Dibenz(a,h)anthracene	µg/kg	50.0 - 500	10.0
6265	Fluoranthene	µg/kg	100 - 1000	20.0
6270	Fluorene	µg/kg	50.0 - 500	10.0
6315	Indeno(1,2,3-cd)pyrene	µg/kg	50.0 - 500	10.0
5005	Naphthalene	µg/kg	150 - 1000	30.0
6615	Phenanthrene	µg/kg	100 - 1000	20.0
6665	Pyrene	µg/kg	50.0 - 500	10.0

#### Additional State Specific Analytes

6385	2-Methylnaphthalene	µg/kg	50.0 - 500	NA
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## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Explosives (PT-EXP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>NELAC Experimental Analytes</b>				
9306	4-amino-2,6-dinitrotoluene	µg/kg	1500 - 15000	300
9303	2-amino-4,6-dinitrotoluene	µg/kg	1500 - 15000	300
6160	1,3-Dinitrobenzene	µg/kg	1500 - 15000	300
9522	HMX	µg/kg	1500 - 15000	300
9507	2-Nitrotoluene	µg/kg	1500 - 15000	300
9510	3-Nitrotoluene	µg/kg	1500 - 15000	300
9513	4-Nitrotoluene	µg/kg	1500 - 15000	300
9432	RDX	µg/kg	1500 - 15000	300
6415	Tetryl	µg/kg	1500 - 15000	300
6885	1,3,5-Trinitrobenzene	µg/kg	1500 - 15000	300
9651	2,4,6-Trinitrotoluene	µg/kg	1500 - 15000	300
<b>Additional State Specific Analytes</b>				
9327	1-Chloro-2,4-dinitrobenzene	µg/kg	1000 - 15000	NA
9330	1-Chloro-4-nitrobenzene	µg/kg	1000 - 15000	NA
9333	4-Chloro-3-nitrotoluene	µg/kg	1000 - 15000	NA
9366	3,5-Dichloronitrobenzene	µg/kg	1000 - 15000	NA
6150	3,5-Dinitroaniline	µg/kg	1000 - 15000	NA
6165	1,4-Dinitrobenzene	µg/kg	1000 - 15000	NA
6185	2,4-Dinitrotoluene	µg/kg	1000 - 15000	NA
6190	2,6-Dinitrotoluene	µg/kg	1000 - 15000	NA
9381	Dinitramine	µg/kg	1000 - 15000	NA
9504	1,2-Naphthoquinone	µg/kg	1000 - 15000	NA
6420	1,4-Naphthoquinone	µg/kg	1000 - 15000	NA
5015	Nitrobenzene	µg/kg	1000 - 15000	NA
6485	Nitroglycerin	µg/kg	1000 - 15000	NA
6600	Pentachloronitrobenzene	µg/kg	1000 - 15000	NA
9558	Pentaerythritoltetranitrate	µg/kg	1000 - 15000	NA
9624	2,3,4,5-Tetrachloronitrobenzene	µg/kg	1000 - 15000	NA
9645	2,4,6-Trichloronitrobenzene	µg/kg	1000 - 15000	NA
8295	Trifluralin	µg/kg	1000 - 15000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### OPPs (PT-OPP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>NELAC Experimental Analytes</b>				
7075	Azinphos-methyl (Guthion)	µg/kg	100 - 1000	20.0
7410	Diazinon	µg/kg	100 - 1000	20.0
8625	Disulfoton	µg/kg	100 - 1000	20.0
7770	Malathion	µg/kg	100 - 1000	20.0
7955	Parathion, ethyl	µg/kg	100 - 1000	20.0
7825	Parathion, methyl	µg/kg	100 - 1000	20.0
7985	Phorate	µg/kg	100 - 1000	20.0
8110	Ronnel	µg/kg	100 - 1000	20.0
8200	Stirophos	µg/kg	100 - 1000	20.0
<b>Additional State Specific Analytes</b>				
7065	Atrazine	µg/kg	5.00 - 5000	NA
7130	Bromacil	µg/kg	5.00 - 5000	NA
7300	Chlorpyrifos	µg/kg	100 - 1000	NA
7395	Demeton-o	µg/kg	100 - 1000	NA
7385	Demeton-s	µg/kg	100 - 1000	NA
7390	Demeton O & S	µg/kg	100 - 1000	NA
8610	Dichlorvos	µg/kg	5.00 - 5000	NA
7505	Diuron	µg/kg	25.0 - 5000	NA
7765	Linuron (Lorox)	µg/kg	500 - 5000	NA
8125	Simazine	µg/kg	5.00 - 5000	NA
8155	Sulfotepp	µg/kg	100 - 1000	NA
8175	Tebuthiuron	µg/kg	5.00 - 5000	NA
8185	Terbufos	µg/kg	100 - 1000	NA

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## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Carbamates (PT-CARB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7010	Aldicarb	µg/kg	25.0 - 5000	NA
7015	Aldicarb sulfone	µg/kg	25.0 - 5000	NA
7020	Aldicarb sulfoxide	µg/kg	25.0 - 5000	NA
7195	Carbaryl	µg/kg	25.0 - 5000	NA
7205	Carbofuran	µg/kg	25.0 - 5000	NA
9384	Dioxacarb	µg/kg	25.0 - 5000	NA
7505	Diuron	µg/kg	25.0 - 5000	NA
7710	3-Hydroxycarbofuran	µg/kg	25.0 - 5000	NA
7800	Methiocarb	µg/kg	25.0 - 5000	NA
7805	Methomyl	µg/kg	25.0 - 5000	NA
7940	Oxamyl	µg/kg	25.0 - 5000	NA
8075	Propham	µg/kg	25.0 - 5000	NA
8025	Promecarb	µg/kg	25.0 - 5000	NA
8080	Propoxur	µg/kg	25.0 - 5000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Explosives by 8330B (PT-8330B-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>NELAC Experimental Analytes</b>				
9306	4-amino-2,6-dinitrotoluene	µg/kg	1500 - 15000	300
9303	2-amino-4,6-dinitrotoluene	µg/kg	1500 - 15000	300
6160	1,3-Dinitrobenzene	µg/kg	1500 - 15000	300
9522	HMX	µg/kg	1500 - 15000	300
9507	2-Nitrotoluene	µg/kg	1500 - 15000	300
9510	3-Nitrotoluene	µg/kg	1500 - 15000	300
9513	4-Nitrotoluene	µg/kg	1500 - 15000	300
9432	RDX	µg/kg	1500 - 15000	300
6415	Tetryl	µg/kg	1500 - 15000	300
6885	1,3,5-Trinitrobenzene	µg/kg	1500 - 15000	300
9651	2,4,6-Trinitrotoluene	µg/kg	1500 - 15000	300
<b>Additional State Specific Analytes</b>				
9327	1-Chloro-2,4-dinitrobenzene	µg/kg	1000 - 15000	NA
9330	1-Chloro-4-nitrobenzene	µg/kg	1000 - 15000	NA
9333	4-Chloro-3-nitrotoluene	µg/kg	1000 - 15000	NA
9366	3,5-Dichloronitrobenzene	µg/kg	1000 - 15000	NA
6150	3,5-Dinitroaniline	µg/kg	1000 - 15000	NA
6165	1,4-Dinitrobenzene	µg/kg	1000 - 15000	NA
6185	2,4-Dinitrotoluene	µg/kg	1000 - 15000	NA
6190	2,6-Dinitrotoluene	µg/kg	1000 - 15000	NA
9381	Dinitramine	µg/kg	1000 - 15000	NA
9504	1,2-Naphthoquinone	µg/kg	1000 - 15000	NA
6420	1,4-Naphthoquinone	µg/kg	1000 - 15000	NA
5015	Nitrobenzene	µg/kg	1000 - 15000	NA
6485	Nitroglycerin	µg/kg	1000 - 15000	NA
6600	Pentachloronitrobenzene	µg/kg	1000 - 15000	NA
9558	Pentaerythritoltetranitrate	µg/kg	1000 - 15000	NA
9624	2,3,4,5-Tetrachloronitrobenzene	µg/kg	1000 - 15000	NA
9645	2,4,6-Trichloronitrobenzene	µg/kg	1000 - 15000	NA
8295	Trifluralin	µg/kg	1000 - 15000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Crossover Volatiles (PT-CVOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4835	Hexachlorobutadiene	µg/kg	1500 - 15000	300
5005	Naphthalene	µg/kg	1000 - 12000	200
5015	Nitrobenzene	µg/kg	1500 - 15000	300
5155	1,2,4-Trichlorobenzene	µg/kg	1500 - 15000	300

### NELAC Experimental Analytes

4840	Hexachloroethane	µg/kg	1500 - 15000	300
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	200

### Volatiles - GC (PT-VOAGC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4375	Benzene	µg/kg	20.0 - 200	10.0
4475	Chlorobenzene	µg/kg	20.0 - 200	10.0
4610	1,2-Dichlorobenzene	µg/kg	20.0 - 200	9.00
4615	1,3-Dichlorobenzene	µg/kg	20.0 - 200	5.00
4620	1,4-Dichlorobenzene	µg/kg	20.0 - 200	7.00
4765	Ethylbenzene	µg/kg	20.0 - 200	9.00
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	20.0 - 200	7.80
5005	Naphthalene	µg/kg	40.0 - 200	10.0
5140	Toluene	µg/kg	20.0 - 200	11.0
5260	Xylenes, total	µg/kg	40.0 - 400	18.0

### NELAC Experimental Analytes

4900	Isopropylbenzene	µg/kg	40.0 - 200	10.0
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### Additional State Specific Analytes

5210	1,2,4-Trimethylbenzene	µg/kg	20.0 - 200	NA
5215	1,3,5-Trimethylbenzene	µg/kg	20.0 - 200	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Medium Level Volatiles - GC (PT-VOAMGC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4375	Benzene	µg/kg	1000 - 10000	656
4475	Chlorobenzene	µg/kg	1000 - 10000	648
4610	1,2-Dichlorobenzene	µg/kg	1000 - 10000	618
4615	1,3-Dichlorobenzene	µg/kg	1000 - 10000	500
4620	1,4-Dichlorobenzene	µg/kg	1000 - 10000	596
4765	Ethylbenzene	µg/kg	1000 - 10000	697
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	2000 - 10000	500
5005	Naphthalene	µg/kg	2000 - 10000	500
5140	Toluene	µg/kg	1000 - 10000	665
5260	Xylenes, total	µg/kg	2000 - 20000	931

### NELAC Experimental Analytes

4900	Isopropylbenzene	µg/kg	2000 - 10000	500
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### Additional State Specific Analytes

5210	1,2,4-Trimethylbenzene	µg/kg	1000 - 10000	NA
5215	1,3,5-Trimethylbenzene	µg/kg	1000 - 10000	NA

### PAHs - GC (PT-PAHGC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/kg	1000 - 12000	200
5505	Acenaphthylene	µg/kg	1000 - 12000	200
5555	Anthracene	µg/kg	1000 - 12000	200
5575	Benzo(a)anthracene	µg/kg	1000 - 12000	200
5585	Benzo(b)fluoranthene	µg/kg	1000 - 12000	200
5600	Benzo(k)fluoranthene	µg/kg	1000 - 12000	200
5590	Benzo(g,h,i)perylene	µg/kg	1000 - 12000	200
5580	Benzo(a)pyrene	µg/kg	1000 - 12000	200
5855	Chrysene	µg/kg	1000 - 12000	200
5895	Dibenzo(a,h)anthracene	µg/kg	1000 - 12000	200
6265	Fluoranthene	µg/kg	1000 - 12000	200
6270	Fluorene	µg/kg	1000 - 12000	200
6315	Indeno(1,2,3-cd)pyrene	µg/kg	1000 - 12000	200
5005	Naphthalene	µg/kg	1000 - 12000	200
6615	Phenanthrene	µg/kg	1000 - 12000	200
6665	Pyrene	µg/kg	1000 - 12000	200

### NELAC Experimental Analytes

6385	2-Methylnaphthalene	µg/kg	1000 - 12000	200
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## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Nitrogen Pesticides (PT-NP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7005	Alachlor	µg/kg	25.0 - 500	NA
7035	Ametryn	µg/kg	25.0 - 500	NA
7045	Anilazine	µg/kg	25.0 - 500	NA
7060	Atraton	µg/kg	25.0 - 500	NA
7065	Atrazine	µg/kg	25.0 - 500	NA
7130	Bromacil	µg/kg	25.0 - 500	NA
7160	Butachlor	µg/kg	25.0 - 500	NA
7175	Butylate	µg/kg	25.0 - 500	NA
7340	Cyanazine	µg/kg	25.0 - 500	NA
-	Deethyl atrazine	µg/kg	25.0 - 500	NA
-	Deisopropyl atrazine	µg/kg	25.0 - 500	NA
-	Diamino atrazine	µg/kg	25.0 - 500	NA
7555	EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	µg/kg	25.0 - 500	NA
7705	Hexazinone	µg/kg	25.0 - 500	NA
7835	Metolachlor	µg/kg	25.0 - 500	NA
7845	Metribuzin	µg/kg	25.0 - 500	NA
6440	Napropamide	µg/kg	25.0 - 500	NA
8035	Prometon	µg/kg	25.0 - 500	NA
8040	Prometryn	µg/kg	25.0 - 500	NA
6650	Pronamide (Kerb)	µg/kg	25.0 - 500	NA
8045	Propachlor (Ramrod)	µg/kg	25.0 - 500	NA
8060	Propazine	µg/kg	25.0 - 500	NA
8125	Simazine	µg/kg	25.0 - 500	NA
8180	Terbacil	µg/kg	25.0 - 500	NA
8295	Trifluralin	µg/kg	25.0 - 500	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Congeners (PT-CNG-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
9252	2,4,4'-Trichlorobiphenyl (PCB 28)	µg/kg	1.00 - 40.0	NA
8955	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	µg/kg	1.00 - 40.0	NA
8965	3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	µg/kg	1.00 - 40.0	NA
8970	3,4,4',5-Tetrachlorobiphenyl (PCB 81)	µg/kg	1.00 - 40.0	NA
8980	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	µg/kg	1.00 - 40.0	NA
8985	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	µg/kg	1.00 - 40.0	NA
9005	2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	µg/kg	1.00 - 40.0	NA
9011	2,3',4,4',5'-Pentachlorobiphenyl (PCB 118)	µg/kg	1.00 - 40.0	NA
8995	2,3',4,4',5-Pentachlorobiphenyl (PCB 123)	µg/kg	1.00 - 40.0	NA
9015	3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	µg/kg	1.00 - 40.0	NA
9025	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	µg/kg	1.00 - 40.0	NA
9040	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	µg/kg	1.00 - 40.0	NA
9050	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	µg/kg	1.00 - 40.0	NA
9045	2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	µg/kg	1.00 - 40.0	NA
9055	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	µg/kg	1.00 - 40.0	NA
9060	3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	µg/kg	1.00 - 40.0	NA
9070	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	µg/kg	1.00 - 40.0	NA
9085	2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	µg/kg	1.00 - 40.0	NA
-	Total PCBs	µg/kg	1.00 - 720	NA

### Glycols in Soil (PT-GLYCOL-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
-	Propylene glycol	mg/kg	75.0 - 200	NA
4785	Ethylene glycol	mg/kg	75.0 - 200	NA
4720	Diethylene glycol	mg/kg	75.0 - 200	NA
-	Triethylene glycol	mg/kg	75.0 - 200	NA
-	Tetraethylene glycol	mg/kg	75.0 - 200	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TCLP Metals (PT-TCLPMET-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1005	Antimony	mg/L	1.00 - 25.0	NA
1010	Arsenic	mg/L	1.00 - 40.0	NA
1015	Barium	mg/L	1.00 - 50.0	NA
1020	Beryllium	mg/L	1.00 - 10.0	NA
1030	Cadmium	mg/L	1.00 - 30.0	NA
1040	Chromium	mg/L	1.00 - 30.0	NA
1075	Lead	mg/L	1.00 - 30.0	NA
1095	Mercury	mg/L	0.100 - 3.00	NA
1105	Nickel	mg/L	1.00 - 40.0	NA
1140	Selenium	mg/L	1.00 - 50.0	NA
1150	Silver	mg/L	1.00 - 25.0	NA
1165	Thallium	mg/L	1.00 - 10.0	NA
1190	Zinc	mg/L	1.00 - 50.0	NA

### TCLP Free Cyanide (PT-TCLPCN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1640	Cyanide, Free	mg/L	10.0 - 500	NA

### TCLP Anions (PT-TCLPAN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1575	Chloride	mg/L	12.5 - 250	NA
1730	Fluoride	mg/L	2.50 - 20.0	NA
1810	Nitrate as N	mg/L	7.50 - 25.0	NA
1820	Nitrate and Nitrite as N	mg/L	8.75 - 22.5	NA
1870	Orthophosphate as P	mg/L	1.25 - 13.8	NA
2000	Sulfate	mg/L	12.5 - 1250	NA

### TCLP Cr 6+ (PT-TCLPCR6-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1045	Chromium VI	µg/L	22.5 - 440	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

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#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TCLP Reactive Cyanide (PT-TCLPCNR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
-	Reactive Cyanide	mg/L	10.0 - 500	NA

### TCLP VOA (PT-TCLPVOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
4375	Benzene	µg/L	50.0 - 1000	NA
4410	2-Butanone (MEK)	µg/L	50.0 - 1000	NA
4455	Carbon tetrachloride	µg/L	50.0 - 1000	NA
4475	Chlorobenzene	µg/L	50.0 - 1000	NA
4505	Chloroform	µg/L	50.0 - 1000	NA
4620	1,4-Dichlorobenzene	µg/L	50.0 - 1000	NA
4635	1,2-Dichloroethane	µg/L	50.0 - 1000	NA
4640	1,1-Dichloroethene	µg/L	50.0 - 1000	NA
5115	Tetrachloroethene	µg/L	50.0 - 1000	NA
5170	Trichloroethene	µg/L	50.0 - 1000	NA
5235	Vinyl chloride	µg/L	50.0 - 1000	NA

### TCLP BTEX (PT-TCLPBTEX-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
4375	Benzene	µg/L	50.0 - 1000	NA
4765	Ethylbenzene	µg/L	50.0 - 1000	NA
5140	Toluene	µg/L	50.0 - 1000	NA
5260	Xylenes, total	µg/L	50.0 - 1000	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TCLP BNA (PT-TCLPBNA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
6185	2,4-Dinitrotoluene	µg/L	100 - 500	NA
6275	Hexachlorobenzene	µg/L	100 - 500	NA
4835	Hexachlorobutadiene	µg/L	100 - 500	NA
4840	Hexachloroethane	µg/L	100 - 500	NA
6400	2-Methylphenol	µg/L	100 - 500	NA
6410	4-Methylphenol (and/or 3-Methylphenol)	µg/L	100 - 500	NA
5015	Nitrobenzene	µg/L	100 - 500	NA
6605	Pentachlorophenol	µg/L	100 - 500	NA
5095	Pyridine	µg/L	100 - 500	NA
6835	2,4,5-Trichlorophenol	µg/L	100 - 500	NA
6840	2,4,6-Trichlorophenol	µg/L	100 - 500	NA

### TCLP Pesticides (PT-TCLPPEST-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7025	Aldrin	µg/L	0.500 - 15.0	NA
7110	alpha-BHC	µg/L	2.00 - 15.0	NA
7115	beta-BHC	µg/L	2.00 - 15.0	NA
7105	delta-BHC	µg/L	2.00 - 15.0	NA
7120	gamma-BHC (Lindane)	µg/L	10.0 - 100	NA
7240	alpha-Chlordane	µg/L	1.00 - 9.80	NA
7245	gamma-Chlordane	µg/L	1.20 - 7.80	NA
7355	DDD (4,4)	µg/L	2.00 - 10.0	NA
7360	DDE (4,4)	µg/L	2.00 - 10.0	NA
7365	DDT (4,4)	µg/L	1.00 - 10.0	NA
7470	Dieldrin	µg/L	1.00 - 13.0	NA
7510	Endosulfan I	µg/L	4.00 - 17.0	NA
7515	Endosulfan II	µg/L	4.00 - 20.0	NA
7520	Endosulfan sulfate	µg/L	2.00 - 20.0	NA
7540	Endrin	µg/L	10.0 - 100	NA
7530	Endrin aldehyde	µg/L	4.00 - 20.0	NA
7535	Endrin ketone	µg/L	2.00 - 10.0	NA
7685	Heptachlor	µg/L	10.0 - 100	NA
7690	Heptachlor epoxide	µg/L	10.0 - 100	NA
7810	Methoxychlor	µg/L	10.0 - 100	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TCLP PCBs (PT-TCLPPCB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
8880	Aroclor 1016	µg/L	1.90 - 6.50	NA
8885	Aroclor 1221	µg/L	0.500 - 7.50	NA
8890	Aroclor 1232	µg/L	0.700 - 2.00	NA
8895	Aroclor 1242	µg/L	1.90 - 6.50	NA
8900	Aroclor 1248	µg/L	0.750 - 2.75	NA
8905	Aroclor 1254	µg/L	0.850 - 2.75	NA
8910	Aroclor 1260	µg/L	0.800 - 2.50	NA

### TCLP Herbicides (PT-TCLPHERB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
8545	2,4-D	µg/L	10.0 - 1000	NA
8555	Dalapon	µg/L	10.0 - 1000	NA
8560	2,4-DB	µg/L	10.0 - 1000	NA
8595	Dicamba	µg/L	10.0 - 1000	NA
8620	Dinoseb	µg/L	10.0 - 1000	NA
7780	MCPPP	µg/L	10.0 - 1000	NA
6605	Pentachlorophenol	µg/L	100 - 500	NA
8655	2,4,5-T	µg/L	10.0 - 1000	NA
8650	2,4,5-TP (Silvex)	µg/L	10.0 - 1000	NA

### TCLP Carbamates (PT-TCLPCARB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7010	Aldicarb	µg/L	7.50 - 25.0	NA
7015	Aldicarb Sulfone	µg/L	9.50 - 25.0	NA
7020	Aldicarb Sulfoxide	µg/L	7.50 - 25.0	NA
8080	Baygon	µg/L	15.0 - 70.0	NA
7195	Carbaryl	µg/L	10.0 - 50.0	NA
7205	Carbofuran	µg/L	7.50 - 75.0	NA
7710	3-Hydroxycarbofuran	µg/L	7.50 - 37.5	NA
7800	Methiocarb	µg/L	15.0 - 70.0	NA
7805	Methomyl	µg/L	7.50 - 45.0	NA
7940	Oxamyl (Vydate)	µg/L	15.0 - 40.0	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TCLP OPPs (PT-TCLPOPP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7075	Azinphos-methyl (Guthion)	µg/L	1.80 - 6.90	NA
7410	Diazinon	µg/L	1.00 - 7.50	NA
8625	Disulfoton	µg/L	1.00 - 7.50	NA
7770	Malathion	µg/L	1.00 - 10.0	NA
7955	Parathion, ethyl	µg/L	1.50 - 10.0	NA

### C-22 TCLP OPPs (PT-TCLPC22-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
7065	Atrazine	µg/L	2.00 - 5.00	NA
7075	Azinphos-methyl (Guthion)	µg/L	10.0 - 40.0	NA
7085	Bendiocarb	µg/L	1.00 - 40.0	NA
7195	Carbaryl	µg/L	0.200 - 90.0	NA
7205	Carbofuran	µg/L	0.200 - 90.0	NA
-	Chlorpyriphos (ethyl)	µg/L	2.00 - 10.0	NA
7340	Cyanazine	µg/L	2.00 - 10.0	NA
7410	Diazinon	µg/L	0.500 - 20.0	NA
7475	Dimethoate	µg/L	2.00 - 20.0	NA
7505	Diuron	µg/L	20.0 - 50.0	NA
7770	Malathion	µg/L	2.00 - 10.0	NA
-	Metolochlor	µg/L	2.00 - 10.0	NA
7845	Metribuzin	µg/L	2.00 - 10.0	NA
7955	Parathion, ethyl	µg/L	0.500 - 20.0	NA
7985	Phorate	µg/L	0.500 - 5.00	NA
8125	Simazine	µg/L	1.00 - 10.0	NA
8185	Terbufos	µg/L	0.500 - 5.00	NA
8295	Trifluralin (Treflan)	µg/L	1.00 - 10.0	NA

## Soil / Hazardous Waste PT Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### California WET Metals (PT-CAWETMET-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
1000	Aluminum	mg/L	2.00 - 40.0	NA
1005	Antimony	mg/L	0.900 - 10.0	NA
1010	Arsenic	mg/L	0.700 - 10.0	NA
1015	Barium	mg/L	1.00 - 25.0	NA
1020	Beryllium	mg/L	0.0500 - 10.0	NA
1025	Boron	mg/L	8.00 - 20.0	NA
1030	Cadmium	mg/L	0.0500 - 10.0	NA
1040	Chromium	mg/L	0.100 - 10.0	NA
1050	Cobalt	mg/L	0.200 - 10.0	NA
1055	Copper	mg/L	0.400 - 10.0	NA
1070	Iron	mg/L	2.00 - 40.0	NA
1075	Lead	mg/L	0.500 - 30.0	NA
1090	Manganese	mg/L	0.500 - 40.0	NA
1100	Molybdenum	mg/L	0.500 - 6.00	NA
1105	Nickel	mg/L	0.500 - 30.0	NA
1140	Selenium	mg/L	0.500 - 20.0	NA
1150	Silver	mg/L	0.200 - 6.00	NA
1160	Strontium	mg/L	0.300 - 3.00	NA
1165	Thallium	mg/L	0.500 - 10.0	NA
1185	Vanadium	mg/L	0.500 - 20.0	NA
1190	Zinc	mg/L	1.00 - 20.0	NA