

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	4.00
1025	Boron	mg/kg	80.0 - 800	48.0
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	4.00
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

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

Cyanide (PT-CN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1635	Cyanide, total	mg/kg	20.0 - 200	2.00

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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 (Flashpoint)	°F	100 - 200	NA

Ignitability (PT-IGN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1780	Ignitability			NA

Additional State Specific Analytes

1780	Ignitability			NA
8018	Burn Rate	mm/sec	0.00 - 100	NA

Anions (PT-AN-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1540	Bromide	mg/kg	10.0 - 100	1.00
1575	Chloride	mg/kg	200 - 1000	20.0
1730	Fluoride	mg/kg	25.0 - 500	2.50
1810	Nitrate as N	mg/kg	25.0 - 500	2.50
2000	Sulfate	mg/kg	25.0 - 2000	2.50

Additional State Specific Analytes

1870	Orthophosphate as P	mg/kg	25.0 - 500	5.00
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Nutrients (PT-NUT-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1515	Ammonia as N	mg/kg	300 - 3000	30.0
1795	Total Kjeldahl Nitrogen(TKN)	mg/kg	400 - 4000	40.0
1910	Total Phosphorous	mg/kg	300 - 3000	30.0

Additional State Specific Analytes

2040	Total Organic Carbon(TOC)	mg/kg	1000 - 15000	100
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Perchlorate (PT-PERC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1895	Perchlorate	µg/kg	100 - 500	50.0

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
Additional State Specific Analytes				
1950	Total Solids	%	50.0 - 100	NA
1947	Fixed Solids	%	50.0 - 100	NA
1970	Volatile Solids	%	5.00 - 35.0	NA
8641	Percent Moisture	%	50.0 - 100	NA

Reactive Cyanide (PT-CNR-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1923	Reactive Cyanide	mg/kg	50.0 - 1500	NA

Cyanide, Amenable (PT-CNA-SOIL)

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

Reactive Sulfide (PT-S2R-SOIL)

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

Total Sulfide (PT-S2T-SOIL)

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

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

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

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Particle Size (PT-PSA-SOIL)				
NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
-	Sand (>75µm)	%	1.00 - 50.0	NA
Nitrite in Soil (PT-NO2-SOIL)				
NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1840	Nitrite as N	mg/kg	10.0 - 500	NA
Conductivity (PT-COND-SOIL)				
NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1610	Conductivity	mS/cm	0.100 - 10.0	NA
Total Organic Halides in Soil (PT-TOX-SOIL)				
NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
2045	Total organic halides (TOX)	mg/kg	50.0 - 500	NA
Glycols in Soil (PT-GLYCOL-SOIL)				
NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
6657	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

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Volatiles (PT-VOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4315	Acetone	µg/kg	200 - 1000	20.0
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	100 - 500	10.0
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
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	40.0 - 200	4.00
4585	1,2-Dibromoethane (EDB)	µg/kg	40.0 - 200	24.0
4610	1,2-Dichlorobenzene	µg/kg	20.0 - 200	8.90
4615	1,3-Dichlorobenzene	µg/kg	20.0 - 200	5.10
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
4640	1,1-Dichloroethene	µg/kg	40.0 - 200	13.0
4645	cis-1,2-Dichloroethene	µg/kg	40.0 - 200	20.0
4700	trans-1,2-Dichloroethene	µg/kg	40.0 - 200	23.0
4655	1,2-Dichloropropane	µg/kg	20.0 - 200	12.0
4765	Ethylbenzene	µg/kg	20.0 - 200	9.40
4860	2-Hexanone	µg/kg	80.0 - 400	20.0
4975	Methylene chloride (Dichloromethane)	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	6.00
5100	Styrene	µg/kg	40.0 - 200	24.0
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	16.0
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	9.70
5180	1,2,3-Trichloropropane	µg/kg	40.0 - 200	8.30
5260	Xylenes, total	µg/kg	40.0 - 400	18.0
Additional State Specific Analytes				
4320	Acetonitrile	µg/kg	50.0 - 200	NA
4325	Acrolein	µg/kg	20.0 - 200	NA
4340	Acrylonitrile	µg/kg	20.0 - 200	NA

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Volatiles (PT-VOA-SOIL) cont'd

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes cont'd				
4385	Bromobenzene	µg/kg	40.0 - 200	10.0
4390	Bromochloromethane	µg/kg	20.0 - 200	NA
4950	Bromomethane	µg/kg	2000 - 10000	500
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
4485	Chloroethane	µg/kg	80.0 - 200	20.0
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
4960	Chloromethane	µg/kg	80.0 - 200	20.0
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
4625	Dichlorodifluoromethane	µg/kg	80.0 - 200	20.0
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
4680	cis-1,3-Dichloropropene	µg/kg	40.0 - 200	10.0
4685	trans-1,3-Dichloropropene	µg/kg	40.0 - 200	10.0
9375	DIPE	µg/kg	20.0 - 200	NA
4840	Hexachloroethane	µg/kg	20.0 - 200	NA
4835	Hexachlorobutadiene	µg/kg	20.0 - 200	NA
4900	Isopropylbenzene	µg/kg	40.0 - 200	10.0
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
5175	Trichlorofluoromethane	µg/kg	80.0 - 200	20.0
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
5235	Vinyl chloride	µg/kg	80.0 - 200	20.0
5250	o-Xylene	µg/kg	20.0 - 400	NA
5240	m+p-Xylene	µg/kg	20.0 - 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	100
5505	Acenaphthylene	µg/kg	1000 - 12000	100
5555	Anthracene	µg/kg	1000 - 12000	100
5575	Benzo(a)anthracene	µg/kg	1000 - 12000	100
5585	Benzo(b)fluoranthene	µg/kg	1000 - 12000	100
5600	Benzo(k)fluoranthene	µg/kg	1000 - 12000	100
5590	Benzo(g,h,i)perylene	µg/kg	1000 - 12000	100
5580	Benzo(a)pyrene	µg/kg	1000 - 12000	100
5660	4-Bromophenyl-phenylether	µg/kg	1500 - 15000	150
5670	Butyl benzyl phthalate	µg/kg	1500 - 15000	150
5700	4-Chloro-3-methylphenol	µg/kg	1500 - 15000	150
5760	Bis(2-chloroethoxy)methane	µg/kg	1500 - 15000	150
5765	bis(2-Chloroethyl)ether	µg/kg	1500 - 15000	150
5780	Bis(2-chloroisopropyl) ether	µg/kg	1500 - 15000	150
5795	2-Chloronaphthalene	µg/kg	1000 - 10000	100
5800	2-Chlorophenol	µg/kg	1500 - 15000	150
5825	4-Chlorophenyl-phenylether	µg/kg	1500 - 15000	150
5855	Chrysene	µg/kg	1000 - 12000	100
5895	Dibenzo(a,h)anthracene	µg/kg	1000 - 12000	100
5905	Dibenzofuran	µg/kg	1500 - 15000	150
5925	Di-n-butylphthalate	µg/kg	1500 - 15000	150
4610	1,2-Dichlorobenzene	µg/kg	1500 - 15000	150
4615	1,3-Dichlorobenzene	µg/kg	1500 - 15000	150
4620	1,4-Dichlorobenzene	µg/kg	1500 - 15000	150
6000	2,4-Dichlorophenol	µg/kg	1500 - 15000	150
6070	Diethylphthalate	µg/kg	1500 - 15000	150
6135	Dimethylphthalate	µg/kg	1500 - 15000	150
6185	2,4-Dinitrotoluene	µg/kg	1500 - 15000	150
6190	2,6-Dinitrotoluene	µg/kg	1500 - 15000	150
6200	Di-n-octylphthalate	µg/kg	1500 - 15000	150
6065	Bis(2-ethylhexyl)phthalate	µg/kg	1500 - 15000	150
6265	Fluoranthene	µg/kg	1000 - 12000	100
6270	Fluorene	µg/kg	1000 - 12000	100
6275	Hexachlorobenzene	µg/kg	1500 - 15000	150
4835	Hexachlorobutadiene	µg/kg	1500 - 15000	150
4840	Hexachloroethane	µg/kg	1500 - 15000	150
6315	Indeno(1,2,3-cd)pyrene	µg/kg	1000 - 12000	100
6320	Isophorone	µg/kg	1500 - 15000	150
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	100
6400	2-Methylphenol	µg/kg	3000 - 15000	300
6410	4-Methylphenol (and/or 3-Methylphenol)	µg/kg	3000 - 15000	300

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

NELAC Code	Analyte	Units	Concentration Range	PTRL
5005	Naphthalene	µg/kg	1000 - 12000	100
5015	Nitrobenzene	µg/kg	1500 - 15000	150
6490	2-Nitrophenol	µg/kg	3000 - 15000	300
6500	4-Nitrophenol	µg/kg	3000 - 15000	300
6545	N-Nitroso-di-n-propylamine	µg/kg	1500 - 15000	150
6605	Pentachlorophenol	µg/kg	3000 - 15000	300
6615	Phenanthrene	µg/kg	1000 - 12000	100
6625	Phenol	µg/kg	1500 - 15000	150
6665	Pyrene	µg/kg	1000 - 12000	100
5155	1,2,4-Trichlorobenzene	µg/kg	1500 - 15000	150
6835	2,4,5-Trichlorophenol	µg/kg	1500 - 15000	150
6840	2,4,6-Trichlorophenol	µg/kg	1500 - 15000	150
Additional State Specific Analytes				
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
6005	2,6-Dichlorophenol	µg/kg	1500 - 15000	300
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
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
6130	2,4-Dimethylphenol	µg/kg	3000 - 15000	600
6175	2,4-Dinitrophenol	µg/kg	3000 - 15000	600
6195	Dinonylphthalate	µg/kg	500 - 10000	NA

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NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes cont'd				
6280	Hexachlorocyclohexane	µg/kg	500 - 10000	NA
6285	Hexachlorocyclopentadiene	µg/kg	1500 - 15000	300
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
6360	2-Methyl-4,6-Dinitrophenol	µg/kg	3000 - 15000	600
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
6530	N-Nitrosodimethylamine	µg/kg	1500 - 15000	300
6535	N-Nitrosodiphenylamine	µg/kg	1500 - 15000	300
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	4,4'-DDD	µg/kg	50.0 - 500	5.00
7360	4,4'-DDE	µg/kg	50.0 - 500	5.00
7365	4,4'-DDT	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	0.100
8885	Aroclor 1221	mg/kg	1.00 - 50.0	0.100
8890	Aroclor 1232	mg/kg	1.00 - 50.0	0.100
8895	Aroclor 1242	mg/kg	1.00 - 50.0	0.100
8900	Aroclor 1248	mg/kg	1.00 - 50.0	0.100
8905	Aroclor 1254	mg/kg	1.00 - 50.0	0.100
8910	Aroclor 1260	mg/kg	1.00 - 50.0	0.100

Additional State Specific Analytes

8870	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.

PCBs in Oil (PT-PCBO-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8880	Aroclor 1016	mg/kg	17.0 - 50.0	1.70
8895	Aroclor 1242	mg/kg	17.0 - 50.0	1.70
8905	Aroclor 1254	mg/kg	16.0 - 50.0	1.60
8910	Aroclor 1260	mg/kg	12.0 - 50.0	2.40

Herbicides (PT-HERB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8545	2,4-D	µg/kg	100 - 1000	10.0
8560	2,4-DB	µg/kg	100 - 1000	10.0
8595	Dicamba	µg/kg	100 - 1000	10.0
8620	Dinoseb	µg/kg	100 - 1000	10.0
6605	Pentachlorophenol	µg/kg	100 - 1000	10.0
8655	2,4,5-T	µg/kg	100 - 1000	10.0
8650	2,4,5-TP (Silvex)	µg/kg	100 - 1000	10.0

Additional State Specific Analytes

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	MCPP	µg/kg	1000 - 50000	NA
6500	4-Nitrophenol	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	808
4455	Carbon tetrachloride	µg/kg	1000 - 10000	480
4475	Chlorobenzene	µg/kg	1000 - 10000	648
4575	Chlorodibromomethane	µg/kg	1000 - 10000	642
4505	Chloroform	µg/kg	1000 - 10000	550
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	2000 - 10000	1200
4585	1,2-Dibromoethane(EDB)	µg/kg	2000 - 10000	1200
4595	Dibromomethane	µg/kg	2000 - 10000	1200
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
4640	1,1-Dichloroethene	µg/kg	2000 - 10000	1000
4645	cis-1,2-Dichloroethene	µg/kg	2000 - 10000	1200
4700	trans-1,2-Dichloroethene	µg/kg	2000 - 10000	1200
4655	1,2-Dichloropropane	µg/kg	2000 - 10000	1400
4765	Ethylbenzene	µg/kg	1000 - 10000	697
4860	2-Hexanone	µg/kg	4000 - 20000	2000
4975	Methylene chloride (Dichloromethane)	µg/kg	1000 - 10000	435
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	2000 - 10000	1400
4995	4-Methyl-2-pentanone (MIBK)	µg/kg	4000 - 20000	1630
5005	Naphthalene	µg/kg	2000 - 10000	721
5015	Nitrobenzene	µg/kg	1500 - 15000	150
5100	Styrene	µg/kg	2000 - 10000	1200
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	1200
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
Additional State Specific Analytes				
4320	Acetonitrile	µg/kg	5000 - 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.

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

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes cont'd				
4325	Acrolein	µg/kg	1000 - 15000	NA
4340	Acrylonitrile	µg/kg	1000 - 10000	NA
4385	Bromobenzene	µg/kg	2000 - 10000	500
4390	Bromochloromethane	µg/kg	1000 - 10000	NA
4950	Bromomethane	µg/kg	2000 - 10000	500
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
4485	Chloroethane	µg/kg	2000 - 10000	500
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
4960	Chloromethane	µg/kg	2000 - 10000	500
4535	2-Chlorotoluene	µg/kg	1000 - 10000	NA
4540	4-Chlorotoluene	µg/kg	1000 - 10000	NA
4625	Dichlorodifluoromethane	µg/kg	2000 - 10000	500
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
4680	cis-1,3-Dichloropropene	µg/kg	2000 - 10000	500
4685	trans-1,3-Dichloropropene	µg/kg	2000 - 10000	500
9375	DIPE	µg/kg	1000 - 10000	NA
5185	Freon 113	µg/kg	1000 - 15000	NA
4835	Hexachlorobutadiene	µg/kg	1000 - 15000	NA
4840	Hexachloroethane	µg/kg	1000 - 15000	NA
4900	Isopropylbenzene	µg/kg	2000 - 10000	500
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
5175	Trichlorofluoromethane	µg/kg	2000 - 10000	500
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
5235	Vinyl chloride	µg/kg	2000 - 10000	500
5250	o-Xylene	µg/kg	2000 - 20000	NA
5240	m+p-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.

PAHs (PT-PAH-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/kg	150 - 1000	15.0
5505	Acenaphthylene	µg/kg	150 - 1000	15.0
5555	Anthracene	µg/kg	100 - 1000	10.0
5575	Benzo(a)anthracene	µg/kg	50.0 - 500	5.00
5585	Benzo(b)fluoranthene	µg/kg	50.0 - 500	5.00
5600	Benzo(k)fluoranthene	µg/kg	50.0 - 500	5.00
5590	Benzo(g,h,i)perylene	µg/kg	100 - 1000	10.0
5580	Benzo(a)pyrene	µg/kg	50.0 - 500	5.00
5855	Chrysene	µg/kg	50.0 - 500	5.00
5895	Dibenz(a,h)anthracene	µg/kg	50.0 - 500	5.00
6265	Fluoranthene	µg/kg	100 - 1000	10.0
6270	Fluorene	µg/kg	50.0 - 500	5.00
6315	Indeno(1,2,3-cd)pyrene	µg/kg	50.0 - 500	5.00
5005	Naphthalene	µg/kg	150 - 1000	15.0
6615	Phenanthrene	µg/kg	100 - 1000	10.0
6665	Pyrene	µg/kg	50.0 - 500	5.00
Additional State Specific Analytes				
6385	2-Methylnaphthalene	µg/kg	50.0 - 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.

Explosives (PT-EXP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
9306	4-amino-2,6-dinitrotoluene	µg/kg	1500 - 15000	300
9303	2-amino-4,6-dinitrotoluene	µg/kg	1500 - 15000	300
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
6160	1,3-Dinitrobenzene	µg/kg	1500 - 15000	300
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
9522	HMX	µg/kg	1500 - 15000	300
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
9507	2-Nitrotoluene	µg/kg	1500 - 15000	300
9510	3-Nitrotoluene	µg/kg	1500 - 15000	300
9513	4-Nitrotoluene	µg/kg	1500 - 15000	300
6600	Pentachloronitrobenzene	µg/kg	1000 - 15000	NA
9558	Pentaerythritoltetranitrate	µg/kg	1000 - 15000	NA
9432	RDX	µg/kg	1500 - 15000	300
9624	2,3,4,5-Tetrachloronitrobenzene	µg/kg	1000 - 15000	NA
6415	Tetryl	µg/kg	1500 - 15000	300
9645	2,4,6-Trichloronitrobenzene	µg/kg	1000 - 15000	NA
8295	Trifluralin	µg/kg	1000 - 15000	NA
6885	1,3,5-Trinitrobenzene	µg/kg	1500 - 15000	300
9651	2,4,6-Trinitrotoluene	µg/kg	1500 - 15000	300

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.

OPPs (PT-OPP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
7065	Atrazine	µg/kg	5.00 - 5000	NA
7075	Azinphos-methyl (Guthion)	µg/kg	100 - 1000	20.0
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
7410	Diazinon	µg/kg	100 - 1000	20.0
8610	Dichlorvos	µg/kg	5.00 - 5000	NA
8625	Disulfoton	µg/kg	100 - 1000	20.0
7505	Diuron	µg/kg	25.0 - 5000	NA
7765	Linuron (Lorox)	µg/kg	500 - 5000	NA
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
8125	Simazine	µg/kg	5.00 - 5000	NA
8200	Stirophos	µg/kg	100 - 1000	20.0
8155	Sulfotepp	µg/kg	100 - 1000	NA
8175	Tebuthiuron	µg/kg	5.00 - 5000	NA
8185	Terbufos	µg/kg	100 - 1000	NA

Crossover Volatiles (PT-CVOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4835	Hexachlorobutadiene	µg/kg	1500 - 15000	150
4840	Hexachloroethane	µg/kg	1500 - 15000	150
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	100
5005	Naphthalene	µg/kg	1000 - 12000	100
5015	Nitrobenzene	µg/kg	1500 - 15000	150
5155	1,2,4-Trichlorobenzene	µg/kg	1500 - 15000	150

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.

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	8.90
4615	1,3-Dichlorobenzene	µg/kg	20.0 - 200	5.10
4620	1,4-Dichlorobenzene	µg/kg	20.0 - 200	7.00
4765	Ethylbenzene	µg/kg	20.0 - 200	9.40
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	20.0 - 200	7.80
5005	Naphthalene	µg/kg	40.0 - 200	6.00
5140	Toluene	µg/kg	20.0 - 200	11.0
5260	Xylenes, total	µg/kg	40.0 - 400	18.0

Additional State Specific Analytes

4900	Isopropylbenzene	µg/kg	40.0 - 200	10.0
5210	1,2,4-Trimethylbenzene	µg/kg	20.0 - 200	NA
5215	1,3,5-Trimethylbenzene	µg/kg	20.0 - 200	NA

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	1400
5005	Naphthalene	µg/kg	2000 - 10000	721
5140	Toluene	µg/kg	1000 - 10000	665
5260	Xylenes, total	µg/kg	2000 - 20000	931

Additional State Specific Analytes

4900	Isopropylbenzene	µg/kg	2000 - 10000	500
5210	1,2,4-Trimethylbenzene	µg/kg	1000 - 10000	NA
5215	1,3,5-Trimethylbenzene	µg/kg	1000 - 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.

PAHs - GC (PT-PAHGC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/kg	1000 - 12000	100
5505	Acenaphthylene	µg/kg	1000 - 12000	100
5555	Anthracene	µg/kg	1000 - 12000	100
5575	Benzo(a)anthracene	µg/kg	1000 - 12000	100
5585	Benzo(b)fluoranthene	µg/kg	1000 - 12000	100
5600	Benzo(k)fluoranthene	µg/kg	1000 - 12000	100
5590	Benzo(g,h,i)perylene	µg/kg	1000 - 12000	100
5580	Benzo(a)pyrene	µg/kg	1000 - 12000	100
5855	Chrysene	µg/kg	1000 - 12000	100
5895	Dibenzo(a,h)anthracene	µg/kg	1000 - 12000	100
6265	Fluoranthene	µg/kg	1000 - 12000	100
6270	Fluorene	µg/kg	1000 - 12000	100
6315	Indeno(1,2,3-cd)pyrene	µg/kg	1000 - 12000	100
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	100
5005	Naphthalene	µg/kg	1000 - 12000	100
6615	Phenanthrene	µg/kg	1000 - 12000	100
6665	Pyrene	µg/kg	1000 - 12000	100

Carbamates (PT-CARB-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
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

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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.

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

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
9306	4-amino-2,6-dinitrotoluene	µg/kg	1500 - 15000	300
9303	2-amino-4,6-dinitrotoluene	µg/kg	1500 - 15000	300
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
6160	1,3-Dinitrobenzene	µg/kg	1500 - 15000	300
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
9522	HMX	µg/kg	1500 - 15000	300
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
9507	2-Nitrotoluene	µg/kg	1500 - 15000	300
9510	3-Nitrotoluene	µg/kg	1500 - 15000	300
9513	4-Nitrotoluene	µg/kg	1500 - 15000	300
6600	Pentachloronitrobenzene	µg/kg	1000 - 15000	NA
9558	Pentaerythritoltetranitrate	µg/kg	1000 - 15000	NA
9432	RDX	µg/kg	1500 - 15000	300
9624	2,3,4,5-Tetrachloronitrobenzene	µg/kg	1000 - 15000	NA
6415	Tetryl	µg/kg	1500 - 15000	300
9645	2,4,6-Trichloronitrobenzene	µg/kg	1000 - 15000	NA
8295	Trifluralin	µg/kg	1000 - 15000	NA
6885	1,3,5-Trinitrobenzene	µg/kg	1500 - 15000	300
9651	2,4,6-Trinitrotoluene	µg/kg	1500 - 15000	300

6390 Joyce Drive
100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

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
Additional State Specific Analytes				
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
7377	Deethyl atrazine	µg/kg	25.0 - 500	NA
7382	Deisopropyl atrazine	µg/kg	25.0 - 500	NA
7408	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
Additional State Specific Analytes				
9256	2,4'-Dichlorobiphenyl (PCB 8)	µg/kg	1.00 - 40.0	NA
8930	2,2',5-Trichlorobiphenyl (PCB 18)	µg/kg	1.00 - 40.0	NA
9252	2,4,4'-Trichlorobiphenyl (PCB 28)	µg/kg	1.00 - 40.0	NA
8945	2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	µg/kg	1.00 - 40.0	NA
8955	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	µg/kg	1.00 - 40.0	NA
8960	2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	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
8995	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	µg/kg	1.00 - 40.0	NA
9011	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
9020	2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	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
9065	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	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
9080	2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	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
9103	2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	µg/kg	1.00 - 40.0	NA
9095	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	µg/kg	1.00 - 40.0	NA
9105	Decachlorobiphenyl (PCB 209)	µg/kg	1.00 - 40.0	NA
8870	Total PCBs	µg/kg	1.00 - 720	NA