

Sample name	Analytes present	Ampulization Details
ASBESTOS IN FRIABLE BULK MATERIAL (not NELAC)	1-2 analytes from the following list: actinolite; amosite; anthophyllite; chrysotile; crocidolite; tremolite	For PLM. Four samples of friable solids containing a variety of asbestos and non-asbestos fiber types. Occasionally a Refractive Index test is substituted for one or two of the bulk samples
ASBESTOS IN NON-FRIABLE BULK MATERIAL (not NELAC)	1-2 analytes from the following list: actinolite; amosite; anthophyllite; chrysotile; crocidolite; tremolite	For TEM. Two samples of non-friable organically bound solids containing a variety of asbestos and non-asbestos fibers
CORROSIVITY /pH	Hydrogen ion (pH)	One, 20g bottled dry soil matrix containing; various concentrations of HNO ₃ and NaOH solutions
HEXAVALENT CHROMIUM	Cr(VI)	One, 20g bottled dry 90% sand/ 10% Sodium bicarbonate matrix
LEAD IN DUST WIPE (not NELAC)	Pb	One, ghost wipe matrix
LEAD IN PAINT (not NELAC)	Pb	One, 1g bottled dry paint chip matrix

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MINERALS	Br, Cl, F, NO3-N, SO4	One, 20g bottled dry soil matrix containing all of the analytes listed
TOTAL CYANIDE	Cyanide	One, 20g bottled dry soil matrix
TRACE METALS IN SOIL	Ag; Al; As; B; Ba; Be; Ca; Cd; Co; Cr; Cu; Fe;K; Hg; Mg; Mn; Mo; Na; Ni; Pb; Sb; Se; Sn; Sr; Tl; V; Zn	One, 20g bottled dry soil matrix containing all of the analytes listed.
IGNITABILITY	Ignitability (Flashpoint)	One, 100mL bottled solvent

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BASE/NEUTRAL S/ ACID EXTRACTABLES IN SOIL/SEDIMENT	At least 60% of analytes from the following list: 4-bromophenylphenyl ether; 4-chlorophenylphenyl ether; benzyl butyl phthalate; bis (2-ethylhexyl) phthalate; diethyl phthalate; dimethyl phthalate; di-n-butyl phthalate; di-n-octyl phthalate; 2-methylphenol (o-cresol); 4-methylphenol (p-cresol); 4-chloro-3-methylphenol; 2-chlorophenol; 2,4-dichlorophenol; 2-nitrophenol; 4-nitrophenol; pentachlorophenol; phenol; 2,4,5-trichlorophenol; 2,4,6- trichlorophenol; acenaphthene; anthracene; acenaphthylene; 2,2'-oxybis (1-chloropropane); benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; benzo(g,h,i)perylene; chrysene; dibenzo(a,h)anthracene; dibenzofuran; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; naphthalene; phenanthrene; pyrene; 2-chloronaphthalene; hexachlorobenzene; hexachlorobutadiene; hexachloroethane; 2-methylnaphthalene; 1,2,4-trichlorobenzene; 2,4 dinitrotoluene; 2,6-dinitrotoluene; isophorone; nitrobenzene; bis (2-chlorethyl) ether; bis(2-chloroethoxy) methane; n-nitroso di-n-propylamine; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene	One, 30g bottled wet soil matrix containing at least 60% the following
CHLORDANE IN SOIL/SEDIMENT	chlordane	One, 30g bottled wet soil matrix
CHLORINATED HYDROCARBON PESTICIDES IN SOIL/SEDIMENT	At least 80% of analytes from the following list: 4,4'-DDD; 4,4'-DDE; 4,4'-DDT; aldrin; alpha-BHC; beta-BHC; delta-BHC; gamma-BHC (Lindane); alpha-chlordane; gamma-chlordane; dieldrin; endosulfan I; endosulfan II; endosulfan sulfate; endrin; endrin aldehyde; endrin ketone; heptachlor; heptachlor epoxide; methoxychlor	One, 30g bottled wet soil matrix containing at least 80% of the analytes listed.
CHLOROPHENO XY ACID PESTICIDES IN SOIL/SEDIMENT	2,4-D; 2,4-DB; 2,4,5-T; 2,4,5-TP (Silvex), dicamba; dinoseb; pentachlorophenol	One, 30g bottled wet soil matrix

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DIESEL RANGE ORGANICS	Diesel Range Organics Carbon Range C10 – C28	One, 30g bottled wet soil matrix containing; Carbon Range C ₁₀ – C ₂₈
GASOLINE RANGE ORGANICS	Gasoline Range Organics Carbon Range C5 – C10 (Range listed in TNI's Fields of Proficiency Testing for Solid and Chemical Materials. SW 846 8015 B and C list C6 to C10)	One, 20g bottled dry soil matrix and One, 2.5 mL ampulized concentrate in Methanol containing; Carbon Range C ₅ – C ₁₀
LOW LEVEL PAH	acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene	One, 30g bottled wet soil matrix
OIL & GREASE (HEXANE EXTRACTABLE MATERIAL)	total recoverable oil and grease (HEM)	One, 30g bottled dry soil matrix
POLYCHLORINATED BIPHENYLS IN SEDIMENT	One PCB aroclor from the following list: Aroclor-1016; Aroclor-1221; Aroclor-1232; Aroclor-1242; Aroclor-1248; Aroclor-1254; Aroclor-1260	One, 30g bottled wet soil matrix containing one of Aroclors listed.
POLYCHLORINATED BIPHENYLS IN OIL	One PCB aroclor from the following list: Aroclor-1016; Aroclor-1221; Aroclor-1232; Aroclor-1242; Aroclor-1248; Aroclor-1254; Aroclor-1260	One, 2.5 mL ampule containing one of Aroclors listed in oil.

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MID-LEVEL VOLATILES IN SOIL/SEDIMENT	(A vial is provided containing concentrated analytes in solution with soil.) At least 60% of analytes from the following list: acetone; benzene; bromodichloromethane; bromoform; 2-butanone (methylethyl ketone); carbon tetrachloride; chlorobenzene; chloroform; cis-1,2-dichloroethene; cis-1,3-dichloropropene; 1,2-dibromoethane (EDB); dibromochloromethane; 1,2-dibromo-3-chloropropane (DBCP); dibromomethane; 1,2-dichlorobenzene; 1,3 dichlorobenzene; 1,4-dichlorobenzene; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; 1,2-dichloropropane; ethylbenzene; 2-hexanone; methylene chloride; 4-methyl-2-pentanone (MIBK); methyl-tert-butyl-ether (MTBE); naphthalene; styrene; 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane; tetrachloroethene; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethene; trans-1,2-dichloroethene; trans-1,3-dichloropropene; 1,2,4-trichlorobenzene; 1,2,3-trichloropropane; toluene; total xylenes	One, 15 mL amber vial containing 5 g soil matrix and 10 mL concentrate in Methanol containing at least 60% of the analytes.
TOXAPHENE IN SOIL/SEDIMENT	toxaphene	One, 30g bottled wet soil matrix