

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM  
CERTIFICATION MANUAL**

<b><u>SUBJECT</u></b>	<b><u>DATE</u></b>	<b><u>PAGE</u></b>	<b><u>ITEM NO.</u></b>
Proficiency Testing – Solid & Chemical Materials Samples	11/06/07	1 of 3	313

<b>Sample name</b>	<b>Analytes present</b>
ASBESTOS IN FRIABLE BULK MATERIAL ( <i>not NELAC</i> )	1-2 analytes from the following list: actinolite; amosite; anthophyllite; chrysotile; crocidolite; tremolite
ASBESTOS IN NON-FRIABLE BULK MATERIAL ( <i>not NELAC</i> )	1-2 analytes from the following list: actinolite; amosite; anthophyllite; chrysotile; crocidolite; tremolite
CHLORINATED HYDROCARBON PESTICIDES IN SOIL/SEDIMENT	At least 80% of analytes from the following list: aldrin; alpha-BHC; beta-BHC; delta-BHC; gamma-BHC (Lindane); alpha-chlordane; gamma-chlordane; 4,4'-DDD; 4,4'-DDE; 4,4'-DDT; dieldrin; endosulfan I; endosulfan II; endosulfan sulfate; endrin; endrin aldehyde; endrin ketone; heptachlor; heptachlor epoxide; methoxychlor.
POLYCHLORINATED BIPHENYLS IN SEDIMENT	One analyte from the following list: PCB-1016; PCB-1221; PCB-1232; PCB-1242; PCB-1248; PCB-1254; PCB-1260
CHLOROPHENOXY ACID PESTICIDES IN SOIL/SEDIMENT	2,4-D; 2,4-DB; 2,4,5-T; 2,4,5-TP (Silvex), dicamba; dinoseb
CHLORDANE IN SOIL/SEDIMENT	chlordane
TOXAPHENE IN SOIL/SEDIMENT	toxaphene
CYANIDE IN SOIL	cyanide
TRACE METALS IN SOIL	Ag; Al; As; B; Ba; Be; Ca; Cd; Co; Cr; Cu; Fe; Hg; K; Mg; Mn; Mo; Na; Ni; Pb; Sb; Se; Sn; Sr; Tl; V; Zn
HEXAVALENT CHROMIUM	Cr(VI)
CORROSIVITY/pH	hydrogen ion (pH)
LEAD IN PAINT ( <i>not NELAC</i> )	Pb
LEAD IN DUST WIPE ( <i>not NELAC</i> )	Pb
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

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM  
CERTIFICATION MANUAL**

<u>SUBJECT</u>	<u>DATE</u>	<u>PAGE</u>	<u>ITEM NO.</u>
Proficiency Testing – Solid & Chemical Materials Samples	11/06/07	2 of 3	313

PURGEABLES IN SOIL/SEDIMENT	<p>(Provided is an ampoule containing concentrated analytes and a soil sample. The contents of the ampoule are spiked into the soil prior to analysis)</p> <p>At least 60% of analytes from the following list:</p> <p>acetone; benzene; bromobenzene; chlorobenzene; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; toluene; ethylbenzene; total xylenes; bromoform; bromodichloromethane; bromomethane; 2-butanone; carbon tetrachloride; chloroform; dibromochloromethane; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; methylene chloride; 1,2-dichloropropane; 4-methyl-2-pentanone (MIBK); methyl-tert-butyl-ether (MTBE); 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane; tetrachloroethene; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethene; Isopropylbenzene, styrene, bromomethane; chloroethane, chloromethane; 1,2-dibromo-3-chloropropane (DBCP); 1,2-dibromoethane (EDB), dichlorodifluoromethane; cis-1,2-dichloroethene; trans-1,2-dichloroethene; cis-1,3-dichloropropene, trans-1,3-dichloropropene; trichlorofluoromethane; vinyl chloride; 2-hexanone; naphthalene; 1,2-dichloropropane; 1,2,4-trichlorobenzene; 1,2,3-trichloropropane</p>
BASE/NEUTRALS/ACID EXTRACTABLES IN SOIL/SEDIMENT	<p>At least 60% of analytes from the following list:</p> <p>4-bromophenylphenyl ether; 4-chlorophenylphenyl ether; butyl benzyl 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; 2,6-dichlorophenol; 2,4-dimethylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; 2-nitrophenol; 4-nitrophenol; pentachlorophenol;</p>

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM  
CERTIFICATION MANUAL**

<b><u>SUBJECT</u></b>	<b><u>DATE</u></b>	<b><u>PAGE</u></b>	<b><u>ITEM NO.</u></b>
Proficiency Testing – Solid & Chemical Materials Samples	11/06/07	3 of 3	313

	phenol; 2,4,5-trichlorophenol; 2,4,6-trichlorophenol; acenaphthene; anthracene; acenaphthylene; 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; hexachlorocyclopentadiene; 2-methylnaphthalene; 1,2,4-trichlorobenzene; 2,4 dinitrotoluene; 2,6-dinitrotoluene; isophorone; nitrobenzene; bis (2-chlorethyl) ether; bis (2-chloroisopropyl) ether; bis(2-chloroethoxy) methane; N-nitroso di-n-propylamine; N-nitrosodimethylamine; N-nitrosodiphenylamine
Diesel Range Organics	Diesel Range Organics Carbon Range C <sub>10</sub> – C <sub>28</sub>
Gasoline Range Organics	(Provided is an ampoule containing concentrated analytes and a soil sample. The contents of the ampoule are spiked into the soil prior to analysis.)  Gasoline Range Organics Carbon Range C <sub>5</sub> – C <sub>10</sub>
Oil and Grease (Hexane Extractable Material)	total recoverable oil and grease