

| Pennsylvania State (Chapter 252) Accreditation | | | | | | | |
|--|--------|--|---------------------|---|--|---------|---------------------------|
| Fields of Proficiency Testing | | | | | | | |
| Solid and Chemical Materials | | | | | | | |
| Effective January 1, 2007 | | | | | | | |
| | Matrix | | Analyte | | | Matrix | Analyte |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | Trace Metals | | | | Misc Analytes |
| | SOLIDS | | Aluminum | | | SOLIDS | Corrosivity (pH) |
| | SOLIDS | | Antimony | | | SOLIDS | Cyanide, total |
| | SOLIDS | | Arsenic | | | SOLVENT | Ignitability (Flashpoint) |
| | SOLIDS | | Barium | | | | |
| | SOLIDS | | Beryllium | | | | |
| | SOLIDS | | Cadmium | | | | |
| | SOLIDS | | Calcium | | | | |
| | SOLIDS | | Chromium | | | | |
| | SOLIDS | | Chromium VI | | | | |
| | SOLIDS | | Cobalt | | | | |
| | SOLIDS | | Copper | | | | |
| | SOLIDS | | Iron | | | | |
| | SOLIDS | | Lead | | | | |
| | SOLIDS | | Magnesium | | | | |
| | SOLIDS | | Manganese | | | | |
| | SOLIDS | | Mercury | | | | |
| | SOLIDS | | Molybdenum | | | | |
| | SOLIDS | | Nickel | | | | |
| | SOLIDS | | Potassium | | | | |
| | SOLIDS | | Selenium | | | | |
| | SOLIDS | | Silver | | | | |
| | SOLIDS | | Sodium | | | | |
| | SOLIDS | | Strontium | * | | | |
| | SOLIDS | | Thallium | | | | |
| | SOLIDS | | Tin | | | | |
| | SOLIDS | | Vanadium | | | | |
| | SOLIDS | | Zinc | | | | |
| | | | | | | | |
| | | | | | | | |

| Pennsylvania State (Chapter 252) Accreditation | | | | | | | |
|--|--------|---|---|--|--------|--|---|
| Fields of Proficiency Testing | | | | | | | |
| Solid and Chemical Materials | | | | | | | |
| Effective January 1, 2007 | | | | | | | |
| | Matrix | Analyte | | | Matrix | Analyte | |
| | | Volatile Aromatics² | | | | Medium Level Volatile Aromatics² | * |
| | SOLIDS | Benzene | | | SOLIDS | Benzene | |
| | SOLIDS | 1,2-Dichlorobenzene | | | SOLIDS | 1,2-Dichlorobenzene | |
| | SOLIDS | 1,3-Dichlorobenzene | | | SOLIDS | 1,3-Dichlorobenzene | |
| | SOLIDS | 1,4-Dichlorobenzene | | | SOLIDS | 1,4-Dichlorobenzene | |
| | SOLIDS | Ethylbenzene | | | SOLIDS | Ethylbenzene | |
| | SOLIDS | Naphthalene | * | | SOLIDS | Naphthalene | * |
| | SOLIDS | Toluene | | | SOLIDS | Toluene | |
| | SOLIDS | Xylenes, total ³ | | | SOLIDS | Xylenes, total ³ | |
| | | Volatile Halocarbons² | | | | Medium Level Volatile Halocarbons² | * |
| | SOLIDS | Bromodichloromethane | | | SOLIDS | Bromodichloromethane | |
| | SOLIDS | Bromoform | | | SOLIDS | Bromoform | |
| | SOLIDS | Carbon tetrachloride | | | SOLIDS | Carbon tetrachloride | |
| | SOLIDS | Chlorobenzene | | | SOLIDS | Chlorobenzene | |
| | SOLIDS | Chloroform | | | SOLIDS | Chloroform | |
| | SOLIDS | Dibromochloromethane | | | SOLIDS | Dibromochloromethane | |
| | SOLIDS | 1,1-Dichloroethane | | | SOLIDS | Dibromomethane | * |
| | SOLIDS | 1,2-Dichloroethane | | | SOLIDS | 1,1-Dichloroethane | |
| | SOLIDS | Dichloromethane (Methylene chloride) | | | SOLIDS | 1,2-Dichloroethane | |
| | SOLIDS | 1,2-Dichloropropane | * | | SOLIDS | Dichloromethane (Methylene chloride) | |
| | SOLIDS | 1,1,1,2-Tetrachloroethane | | | SOLIDS | 1,2-Dichloropropane | * |
| | SOLIDS | 1,1,2,2-Tetrachloroethane | | | SOLIDS | 1,1,1,2-Tetrachloroethane | |
| | SOLIDS | Tetrachloroethene | | | SOLIDS | 1,1,2,2-Tetrachloroethane | |
| | SOLIDS | 1,2,4-Trichlorobenzene | * | | SOLIDS | Tetrachloroethene | |
| | SOLIDS | 1,1,1-Trichloroethane | | | SOLIDS | 1,2,4-Trichlorobenzene | * |
| | SOLIDS | 1,1,2-Trichloroethane | * | | SOLIDS | 1,1,1-Trichloroethane | |
| | SOLIDS | Trichloroethene | | | SOLIDS | 1,1,2-Trichloroethane | * |
| | SOLIDS | 1,2,3-Trichloropropane | * | | SOLIDS | Trichloroethene | |
| | | | | | SOLIDS | 1,2,3-Trichloropropane | * |
| | | Volatile Ketone/Ethers² | | | | Medium Level Volatile Ketone/Ethers² | * |
| | SOLIDS | Acetone | * | | SOLIDS | Acetone | * |
| | SOLIDS | 2-Butanone (Methyl ethyl ketone) | * | | SOLIDS | 2-Butanone (Methyl ethyl ketone) | * |
| | SOLIDS | 4-Methyl-2-pentanone (MIBK) | * | | SOLIDS | 4-Methyl-2-pentanone (MIBK) | * |
| | SOLIDS | Methyl-tert-butyl ether (MTBE) | * | | SOLIDS | Methyl-tert-butyl ether (MTBE) | * |

| Pennsylvania State (Chapter 252) Accreditation | | | | | | | |
|--|--------|----------------------------------|---|--|--------|-----------------------------------|---|
| Fields of Proficiency Testing | | | | | | | |
| Solid and Chemical Materials | | | | | | | |
| Effective January 1, 2007 | | | | | | | |
| | Matrix | Analyte | | | Matrix | Analyte | |
| | | Base/Neutrals² | | | | Base/Neutrals² | |
| | SOLIDS | Acenaphthene | | | SOLIDS | Naphthalene | |
| | SOLIDS | Acenaphthylene | | | SOLIDS | Nitrobenzene | |
| | SOLIDS | Anthracene | | | SOLIDS | N-Nitroso-di-n-propylamine | |
| | SOLIDS | Benzo(a)anthracene | | | SOLIDS | Phenanthrene | |
| | SOLIDS | Benzo(b)fluoranthene | | | SOLIDS | Pyrene | |
| | SOLIDS | Benzo(k)fluoranthene | | | SOLIDS | 1,2,4-Trichlorobenzene | |
| | SOLIDS | Benzo(g,h,i)perylene | | | | | |
| | SOLIDS | Benzo(a)pyrene | | | | Acids² | |
| | SOLIDS | 4-Bromophenyl-phenylether | | | SOLIDS | 4-Chloro-3-methylphenol | |
| | SOLIDS | Butylbenzylphthalate | | | SOLIDS | 2-Chlorophenol | |
| | SOLIDS | bis(2-Chloroethoxy)methane | | | SOLIDS | 2,4-Dichlorophenol | |
| | SOLIDS | bis(2-Chloroisopropyl)ether | | | SOLIDS | 2-Methylphenol (o-Cresol) | |
| | SOLIDS | 2-Chloronaphthalene | | | SOLIDS | 2-Nitrophenol | |
| | SOLIDS | 4-Chlorophenyl-phenylether | | | SOLIDS | 4-Nitrophenol | |
| | SOLIDS | Chrysene | | | SOLIDS | Phenol | |
| | SOLIDS | Dibenz(a,h)anthracene | | | SOLIDS | Pentachlorophenol | |
| | SOLIDS | Dibenzofuran | | | SOLIDS | 2,4,5-Trichlorophenol | |
| | SOLIDS | 1,2-Dichlorobenzene ⁴ | * | | SOLIDS | 2,4,6-Trichlorophenol | |
| | SOLIDS | 1,3-Dichlorobenzene ⁴ | * | | | | |
| | SOLIDS | 1,4-Dichlorobenzene ⁴ | * | | | | |
| | SOLIDS | Diethylphthalate | | | | Low Level PAHs² | * |
| | SOLIDS | Dimethylphthalate | | | SOLIDS | Acenaphthene | |
| | SOLIDS | Di-n-butylphthalate | | | SOLIDS | Acenaphthylene | |
| | SOLIDS | 2,4-Dinitrotoluene | | | SOLIDS | Anthracene | |
| | SOLIDS | 2,6-Dinitrotoluene | | | SOLIDS | Benzo(a)anthracene | |
| | SOLIDS | Di-n-octylphthalate | | | SOLIDS | Benzo(b)fluoranthene | |
| | SOLIDS | bis(2-Ethylhexyl)phthalate | * | | SOLIDS | Benzo(k)fluoranthene | |
| | SOLIDS | Fluoranthene | | | SOLIDS | Benzo(g,h,i)perylene | |
| | SOLIDS | Fluorene | | | SOLIDS | Benzo(a)pyrene | |
| | SOLIDS | Hexachlorobenzene | | | SOLIDS | Chrysene | |
| | SOLIDS | Hexachlorobutadiene | | | SOLIDS | Dibenz(a,h)anthracene | |
| | SOLIDS | Indeno(1,2,3-cd)pyrene | | | SOLIDS | Fluoranthene | |
| | | | | | SOLIDS | Fluorene | |
| | | | | | SOLIDS | Indeno(1,2,3-cd)pyrene | |
| | | | | | SOLIDS | Naphthalene | |
| | | | | | SOLIDS | Phenanthrene | |
| | | | | | SOLIDS | Pyrene | |

| Pennsylvania State (Chapter 252) Accreditation | | | | | | | |
|--|--------|-------------------------------|---|--|--------|-------------------------------|--|
| Fields of Proficiency Testing | | | | | | | |
| Solid and Chemical Materials | | | | | | | |
| Effective January 1, 2007 | | | | | | | |
| | Matrix | Analyte | | | Matrix | Analyte | |
| | | Pesticides² | | | | Herbicides² | |
| | SOLIDS | Aldrin | | | SOLIDS | 2,4-D | |
| | SOLIDS | alpha-BHC | | | SOLIDS | Dicamba | |
| | SOLIDS | beta-BHC | | | SOLIDS | 2,4,5-T | |
| | SOLIDS | delta-BHC | | | SOLIDS | 2,4,5-TP (Silvex) | |
| | SOLIDS | gamma-BHC(Lindane) | | | | | |
| | SOLIDS | alpha-Chlordane | * | | | | |
| | SOLIDS | gamma-Chlordane | * | | | | |
| | SOLIDS | Chlordane, Technical | | | | | |
| | SOLIDS | 4,4'-DDD | | | | | |
| | SOLIDS | 4,4'-DDE | | | | | |
| | SOLIDS | 4,4'-DDT | | | | | |
| | SOLIDS | Dieldrin | | | | | |
| | SOLIDS | Endosulfan I | | | | | |
| | SOLIDS | Endosulfan II | | | | | |
| | SOLIDS | Endosulfan sulfate | | | | | |
| | SOLIDS | Endrin | | | | | |
| | SOLIDS | Endrin aldehyde | | | | | |
| | SOLIDS | Endrin ketone | * | | | | |
| | SOLIDS | Heptachlor | | | | | |
| | SOLIDS | Heptachlor epoxide (beta) | | | | | |
| | SOLIDS | Methoxychlor | | | | | |
| | SOLIDS | Toxaphene | | | | | |

| Pennsylvania State (Chapter 252) Accreditation Fields of Proficiency Testing Solid and Chemical Materials Effective January 1, 2007 | | | | | | | |
|--|--------|--------------------------------|--|--|--------|---|---|
| | Matrix | Analyte | | | Matrix | Analyte | |
| | | PCBs¹ | | | | Petroleum Hydrocarbons | * |
| | SOLIDS | Aroclor 1016 | | | SOLIDS | Diesel Range Organics (DRO) ⁵ | * |
| | SOLIDS | Aroclor 1221 | | | SOLIDS | Gasoline Range Organics (GRO) ⁶ | * |
| | SOLIDS | Aroclor 1232 | | | SOLIDS | n-Hexane Extractable Material (O&G) ⁷ | * |
| | SOLIDS | Aroclor 1242 | | | SOLIDS | non-Polar Extractable Material (TPH) ⁸ | * |
| | SOLIDS | Aroclor 1248 | | | | | |
| | SOLIDS | Aroclor 1254 | | | | | |
| | SOLIDS | Aroclor 1260 | | | | | |
| | | PCBs in Oil¹ | | | | | |
| | OIL | Aroclor 1016 | | | | | |
| | OIL | Aroclor 1242 | | | | | |
| | OIL | Aroclor 1254 | | | | | |
| | OIL | Aroclor 1260 | | | | | |
| 1) One sample in every study, containing one Aroclor, selected at random from among the Aroclors listed above. | | | | | | | |
| 2) For volatiles, pesticides, base/neutrals, acids, herbicides, and Low Level PAH PT samples, providers must include a minimum number of analytes using the same criteria described in the most recent NELAC Standard. | | | | | | | |
| 3) Volatile Aromatics must contain all three Xylene isomers. The concentration range of o-Xylene and m&p-Xylene is 20-200 ug/kg or 1000-10000 (Medium Level) each. | | | | | | | |
| 4) Dichlorobenzenes per solvent extraction and semivolatile analytical technologies. | | | | | | | |
| 5) Diesel Range Organics (DRO) per solvent extraction followed by chromatographic analysis. DRO is defined as the carbon range between C ₁₀ and C ₂₈ . | | | | | | | |
| 6) Gasoline Range Organics (GRO) per purge-and-trap extraction followed by chromatographic analysis. GRO is defined as the carbon range between C ₅ and C ₁₀ . | | | | | | | |
| 7) n-Hexane Extractable Material (HEM) per solvent extraction followed by gravimetric or infrared spectrometric analysis (Oil & Grease). | | | | | | | |
| 8) non-Polar Extractable Material per solvent extraction and Silica Gel Treated (SGT) followed by gravimetric or infrared spectrometric analysis (Total Petroleum Hydrocarbons). | | | | | | | |