



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway, Jacksonville, FL 32216

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2005 "General Requirements for the competence of Testing and Calibration Laboratories" and the DoD Quality Systems Manual for Environmental Laboratories Version 5.1 January 2017 and is accredited in accordance with the:

United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP)

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Environmental Testing (As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

March 7, 2019

Issue Date:

March 7, 2019

Expiration Date:

June 29, 2020

Accreditation No.:

104509

Certificate No.:

L19-124

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlab.com



Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway, Jacksonville, FL 32216
 Contact Name: Walter Kronz, Jesse Shuck Phone: 904-363-9350

Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 150.1	Electrode	Corrositivity
Aqueous	EPA 150.1	Electrode	pH
Aqueous	EPA 160.1 / SM 2540C	Gravimetric	Total Dissolve Solids (TDS)
Aqueous	EPA 160.2 / SM 2540D	Gravimetric	Total Suspended Solids (TSS)
Aqueous	EPA 160.3 / SM 2540B	Gravimetric	Total Solids (TS)
Aqueous	EPA 1631E	CVAFS	Low Level Mercury
Aqueous	EPA 1650C	Coulometry	Adsorbable Organic Halides (AOX)
Aqueous	EPA 180.1	Turbidimeter	Turbidity
Aqueous	EPA 200.7	ICP-OES	Aluminum
Aqueous	EPA 200.7	ICP-OES	Antimony
Aqueous	EPA 200.7	ICP-OES	Arsenic
Aqueous	EPA 200.7	ICP-OES	Barium
Aqueous	EPA 200.7	ICP-OES	Beryllium
Aqueous	EPA 200.7	ICP-OES	Boron
Aqueous	EPA 200.7	ICP-OES	Cadmium
Aqueous	EPA 200.7	ICP-OES	Calcium
Aqueous	EPA 200.7	ICP-OES	Chromium
Aqueous	EPA 200.7	ICP-OES	Cobalt
Aqueous	EPA 200.7	ICP-OES	Copper
Aqueous	EPA 200.7	ICP-OES	Iron
Aqueous	EPA 200.7	ICP-OES	Lead
Aqueous	EPA 200.7	ICP-OES	Magnesium
Aqueous	EPA 200.7	ICP-OES	Manganese
Aqueous	EPA 200.7	ICP-OES	Molybdenum
Aqueous	EPA 200.7	ICP-OES	Nickel
Aqueous	EPA 200.7	ICP-OES	Potassium
Aqueous	EPA 200.7	ICP-OES	Selenium
Aqueous	EPA 200.7	ICP-OES	Silica as SiO ₂
Aqueous	EPA 200.7	ICP-OES	Silver
Aqueous	EPA 200.7	ICP-OES	Sodium
Aqueous	EPA 200.7	ICP-OES	Strontium
Aqueous	EPA 200.7	ICP-OES	Thallium
Aqueous	EPA 200.7	ICP-OES	Tin
Aqueous	EPA 200.7	ICP-OES	Titanium
Aqueous	EPA 200.7	ICP-OES	Vanadium
Aqueous	EPA 200.7	ICP-OES	Zinc



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 200.8	ICP-MS	Aluminum
Aqueous	EPA 200.8	ICP-MS	Antimony
Aqueous	EPA 200.8	ICP-MS	Arsenic
Aqueous	EPA 200.8	ICP-MS	Barium
Aqueous	EPA 200.8	ICP-MS	Beryllium
Aqueous	EPA 200.8	ICP-MS	Boron
Aqueous	EPA 200.8	ICP-MS	Cadmium
Aqueous	EPA 200.8	ICP-MS	Chromium
Aqueous	EPA 200.8	ICP-MS	Cobalt
Aqueous	EPA 200.8	ICP-MS	Copper
Aqueous	EPA 200.8	ICP-MS	Lead
Aqueous	EPA 200.8	ICP-MS	Manganese
Aqueous	EPA 200.8	ICP-MS	Molybdenum
Aqueous	EPA 200.8	ICP-MS	Nickel
Aqueous	EPA 200.8	ICP-MS	Selenium
Aqueous	EPA 200.8	ICP-MS	Silver
Aqueous	EPA 200.8	ICP-MS	Strontium
Aqueous	EPA 200.8	ICP-MS	Thallium
Aqueous	EPA 200.8	ICP-MS	Tin
Aqueous	EPA 200.8	ICP-MS	Titanium
Aqueous	EPA 200.8	ICP-MS	Uranium
Aqueous	EPA 200.8	ICP-MS	Vanadium
Aqueous	EPA 200.8	ICP-MS	Zinc
Aqueous	EPA 245.1	CV-AA	Mercury
Aqueous	EPA 310.1	Manual	Alkalinity
Aqueous	EPA 410.4	Spectrophotometry	Chemical Oxygen Demand (COD)
Aqueous	EPA 6010 / SM 3500-Fe B	Calculation	Ferric Iron
Aqueous	EPA 6020A	ICP/MS	Aluminum
Aqueous	EPA 6020A	ICP/MS	Iron
Aqueous	EPA 6020A	ICP-MS	Uranium
Aqueous	EPA 608.3	GC/ECD	4,4'-DDD
Aqueous	EPA 608.3	GC/ECD	4,4'-DDE
Aqueous	EPA 608.3	GC/ECD	4,4'-DDT
Aqueous	EPA 608.3	GC/ECD	Aldrin
Aqueous	EPA 608.3	GC/ECD	alpha-BHC
Aqueous	EPA 608.3	GC/ECD	Alpha-Chlordane



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Aqueous	EPA 608.3	GC/ECD	Aroclor 1016
Aqueous	EPA 608.3	GC/ECD	Aroclor 1221
Aqueous	EPA 608.3	GC/ECD	Aroclor 1232
Aqueous	EPA 608.3	GC/ECD	Aroclor 1242
Aqueous	EPA 608.3	GC/ECD	Aroclor 1248
Aqueous	EPA 608.3	GC/ECD	Aroclor 1254
Aqueous	EPA 608.3	GC/ECD	Aroclor 1260
Aqueous	EPA 608.3	GC/ECD	beta-BHC
Aqueous	EPA 608.3	GC/ECD	Chlordane (Tech)
Aqueous	EPA 608.3	GC/ECD	delta-BHC
Aqueous	EPA 608.3	GC/ECD	Dieldrin
Aqueous	EPA 608.3	GC/ECD	Endosulfan I
Aqueous	EPA 608.3	GC/ECD	Endosulfan II
Aqueous	EPA 608.3	GC/ECD	Endosulfan Sulfate
Aqueous	EPA 608.3	GC/ECD	Endrin
Aqueous	EPA 608.3	GC/ECD	Endrin Aldehyde
Aqueous	EPA 608.3	GC/ECD	gamma-BHC (Lindane)
Aqueous	EPA 608.3	GC/ECD	gamma-chlordane
Aqueous	EPA 608.3	GC/ECD	Heptachlor
Aqueous	EPA 608.3	GC/ECD	Heptachlor Epoxide (beta)
Aqueous	EPA 608.3	GC/ECD	Methoxychlor
Aqueous	EPA 608.3	GC/ECD	Toxaphene
Aqueous	EPA 624.1	GC/MS	1,1 Dichloroethane
Aqueous	EPA 624.1	GC/MS	1,1,1-Trichloroethane
Aqueous	EPA 624.1	GC/MS	1,1,2,2-Tetrachloroethane
Aqueous	EPA 624.1	GC/MS	1,1,2-Trichloroethane
Aqueous	EPA 624.1	GC/MS	1,1-Dichloroethene
Aqueous	EPA 624.1	GC/MS	1,2-Dichlorobenzene
Aqueous	EPA 624.1	GC/MS	1,2-Dichloroethane
Aqueous	EPA 624.1	GC/MS	1,2-Dichloropropane
Aqueous	EPA 624.1	GC/MS	1,3-Dichlorobenzene
Aqueous	EPA 624.1	GC/MS	1,4-Dichlorobenzene
Aqueous	EPA 624.1	GC/MS	2-Chloroethyl vinyl ether
Aqueous	EPA 624.1	GC/MS	Acrolein
Aqueous	EPA 624.1	GC/MS	Acrylonitrile
Aqueous	EPA 624.1	GC/MS	Benzene



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 624.1	GC/MS	Bromodichloromethane
Aqueous	EPA 624.1	GC/MS	Bromoform
Aqueous	EPA 624.1	GC/MS	Bromomethane (Methyl Bromide)
Aqueous	EPA 624.1	GC/MS	Carbon Tetrachloride
Aqueous	EPA 624.1	GC/MS	Chlorobenzene
Aqueous	EPA 624.1	GC/MS	Chloroethane
Aqueous	EPA 624.1	GC/MS	Chloroform
Aqueous	EPA 624.1	GC/MS	Chloromethane (Methyl Chloride)
Aqueous	EPA 624.1	GC/MS	cis 1,2 Dichloroethene
Aqueous	EPA 624.1	GC/MS	cis 1,3 Dichloropropene
Aqueous	EPA 624.1	GC/MS	Dibromochloromethane
Aqueous	EPA 624.1	GC/MS	Ethylbenzene
Aqueous	EPA 624.1	GC/MS	Methylene Chloride
Aqueous	EPA 624.1	GC/MS	Tetrachloroethene
Aqueous	EPA 624.1	GC/MS	Toluene
Aqueous	EPA 624.1	GC/MS	trans-1,2-dichloroethene
Aqueous	EPA 624.1	GC/MS	trans-1,3-Dichloropropene
Aqueous	EPA 624.1	GC/MS	Trichloroethene
Aqueous	EPA 624.1	GC/MS	Trichlorofluoromethane
Aqueous	EPA 624.1	GC/MS	Vinyl chloride
Aqueous	EPA 624.1	GC/MS	Xylenes, Total
Aqueous	EPA 625.1	GC/MS	1 Methyl-naphthalene
Aqueous	EPA 625.1	GC/MS	1,2 Dichlorobenzene
Aqueous	EPA 625.1	GC/MS	1,2,4-Trichlorobenzene
Aqueous	EPA 625.1	GC/MS	1,3 Dichlorobenzene
Aqueous	EPA 625.1	GC/MS	1,4 Dichlorobenzene
Aqueous	EPA 625.1	GC/MS	2 Methyl-naphthalene
Aqueous	EPA 625.1	GC/MS	2,3-Dichloroaniline
Aqueous	EPA 625.1	GC/MS	2,4,6-Trichlorophenol
Aqueous	EPA 625.1	GC/MS	2,4-Dichlorophenol
Aqueous	EPA 625.1	GC/MS	2,4-Dimethylphenol
Aqueous	EPA 625.1	GC/MS	2,4-Dinitrophenol
Aqueous	EPA 625.1	GC/MS	2,4-Dinitrotoluene
Aqueous	EPA 625.1	GC/MS	2,6 Dichlorophenol
Aqueous	EPA 625.1	GC/MS	2,6-Dinitrotoluene
Aqueous	EPA 625.1	GC/MS	2-Chloronaphthalene



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Aqueous	EPA 625.1	GC/MS	2-Chlorophenol
Aqueous	EPA 625.1	GC/MS	2-methyl phenol (o-cresol)
Aqueous	EPA 625.1	GC/MS	2-Methyl-4,6-Dinitrophenol
Aqueous	EPA 625.1	GC/MS	2-Nitrophenol
Aqueous	EPA 625.1	GC/MS	3,3'-Dichlorobenzidine
Aqueous	EPA 625.1	GC/MS	3+4-methyl phenol (MPcresol)
Aqueous	EPA 625.1	GC/MS	4-Bromophenyl-phenylether
Aqueous	EPA 625.1	GC/MS	4-Chloro-3-methylphenol
Aqueous	EPA 625.1	GC/MS	4-Chlorophenyl-phenylether
Aqueous	EPA 625.1	GC/MS	4-Nitrophenol
Aqueous	EPA 625.1	GC/MS	Acenaphthene
Aqueous	EPA 625.1	GC/MS	Acenaphthylene
Aqueous	EPA 625.1	GC/MS	Acetophone
Aqueous	EPA 625.1	GC/MS	alpha-Terpineol
Aqueous	EPA 625.1	GC/MS	Anthracene
Aqueous	EPA 625.1	GC/MS	Benzidine
Aqueous	EPA 625.1	GC/MS	Benzo(a)anthracene
Aqueous	EPA 625.1	GC/MS	Benzo(a)pyrene
Aqueous	EPA 625.1	GC/MS	Benzo(b)fluoranthene
Aqueous	EPA 625.1	GC/MS	Benzo(g,h,i)perylene
Aqueous	EPA 625.1	GC/MS	Benzo(k)fluoranthene
Aqueous	EPA 625.1	GC/MS	bis(2-Chloroethoxy)methane
Aqueous	EPA 625.1	GC/MS	bis(2-Chloroethyl)ether
Aqueous	EPA 625.1	GC/MS	bis(2-Chloroisopropyl) ether
Aqueous	EPA 625.1	GC/MS	Bis(2-ethylhexyl) phthalate
Aqueous	EPA 625.1	GC/MS	Butyl Benzyl Phthalate
Aqueous	EPA 625.1	GC/MS	Chrysene
Aqueous	EPA 625.1	GC/MS	Dibenzo(a,h)anthracene
Aqueous	EPA 625.1	GC/MS	Dibenzofuran
Aqueous	EPA 625.1	GC/MS	Diethyl phthalate
Aqueous	EPA 625.1	GC/MS	Dimethyl phthalate
Aqueous	EPA 625.1	GC/MS	Di-n-butylphthalate
Aqueous	EPA 625.1	GC/MS	Di-n-octylphthalate
Aqueous	EPA 625.1	GC/MS	Fluoranthene
Aqueous	EPA 625.1	GC/MS	Fluorene
Aqueous	EPA 625.1	GC/MS	Hexachlorobenzene



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 625.1	GC/MS	Hexachlorobutadiene
Aqueous	EPA 625.1	GC/MS	Hexachlorocyclopentadiene
Aqueous	EPA 625.1	GC/MS	Hexachloroethane
Aqueous	EPA 625.1	GC/MS	Indeno(1,2,3, cd)pyrene
Aqueous	EPA 625.1	GC/MS	Isophorone
Aqueous	EPA 625.1	GC/MS	Naphthalene
Aqueous	EPA 625.1	GC/MS	n-Decane
Aqueous	EPA 625.1	GC/MS	Nitrobenzene
Aqueous	EPA 625.1	GC/MS	n-Nitrosodimethylamine
Aqueous	EPA 625.1	GC/MS	n-Nitroso-di-n-propylamine
Aqueous	EPA 625.1	GC/MS	n-Nitrosodiphenylamine
Aqueous	EPA 625.1	GC/MS	n-Octadecane
Aqueous	EPA 625.1	GC/MS	Pentachlorophenol
Aqueous	EPA 625.1	GC/MS	Phenanthrene
Aqueous	EPA 625.1	GC/MS	Phenol
Aqueous	EPA 625.1	GC/MS	Pyrene
Aqueous	EPA 7470A	CV-AA	Mercury
Aqueous	EPA 8011	GC/ECD	(DBCP) 1,2 Dibromo-3-chloropropane
Aqueous	EPA 8011	GC/ECD	(EDB) 1,2 Dibromoethane
Aqueous	EPA 8141B	GC/NPD	Ethion
Aqueous	EPA 8141B	GC/NPD	Fonophos
Aqueous	EPA 8141B	GC/NPD	Phosmet
Aqueous	EPA 8151A	GC/ECD	Dichloroprop(Dichlorprop)
Aqueous	EPA 8260B, C	GC/MS	Acrylonitrile
Aqueous	EPA 8260B, C	GC/MS	Methacrylonitrile
Aqueous	EPA 8260B, C	GC/MS	p-Isopropyltoluene
Aqueous	EPA 8260B, C	GC/MS	tert-Butylbenzene
Aqueous	EPA 8270C, D	GC/MS	1-Naphthylamine
Aqueous	EPA 8270C, D	GC/MS	3,3-Dimethylbenzidine
Aqueous	EPA 8270C, D	GC/MS	a,a-Dimethylphenylethylamine
Aqueous	EPA 8270C, D	GC/MS	Dinoseb
Aqueous	EPA 8270C, D	GC/MS	Hexachloropropene
Aqueous	EPA 8270C, D	GC/MS	N-Nitrosodiethylamine
Aqueous	EPA 9020B	Coulometry	Total Organic Halides (TOX)
Aqueous	FL-PRO / MADEP-EPH	GC/FID	Diesel Range Organics (DRO)
Aqueous	RSK-175	GC/FID	Ethane



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Matrix	Standard/Method	Technology	Analyte
Aqueous	RSK-175	GC/FID	Ethylene
Aqueous	RSK-175	GC/FID	Methane
Aqueous	SM 2340B	Calculation	Ca Hardness
Aqueous	SM 2340B	Calculation	Total Hardness
Aqueous	SM 3500-Cr D / EPA 7196	Spectrophotometry	Hexavalent Chromium
Aqueous	SM 3500-Fe D	Spectrophotometry	Ferrous Iron
Aqueous	SM 5210B / EPA 405.1	Demand	Biochemical Oxygen Demand (BOD)
Solid	EPA 1030	Manual	Ignitibility
Solid	EPA 160.3 / SM 2540G	Gravimetric	Total Solids (TS)
Solid	EPA 7471A	CV-AA	Mercury
Solid	EPA 8141B	GC/NPD	Demethoate
Solid	EPA 8141B	GC/NPD	Mevinphos
Solid	EPA 8141B	GC/NPD	Ronnel
Solid	EPA 8141B	GC/NPD	Sulfotepp
Solid	EPA 8151A	GC/ECD	MCPA
Solid	EPA 8151A	GC/ECD	MCPD
Solid	EPA 8260B, C	GC/MS	Di-isopropylether (DIPE)
Solid	EPA 8260B, C	GC/MS	T-amylmethylether (TAME)
Solid	EPA 8270C, D	GC/MS	1,3-Dinitrobenzene
Solid	EPA 8270C, D	GC/MS	2-Naphthylamine
Solid	EPA 8270C, D	GC/MS	4-Dimethyl aminoazobenzene
Solid	EPA 8270C, D	GC/MS	Diphenylamine
Solid	EPA 8270C, D	GC/MS	n-Nitrosodimethylethylamine
Solid	EPA 8270C, D	GC/MS	Pentachlorobenzene
Solid	EPA 8270C, D	GC/MS	Pentachloronitrobenzene
Solid	EPA 9023	Coulometry	Extractable Organic Halides (EOX)
Solid	EPA 9045	Electrode	Corrositivity
Solid	EPA 9045	Electrode	pH
Solid	EPA 9056A	Ion Chromatography	Chloride
Solid	EPA 9056A	Ion Chromatography	Flouride
Solid	EPA 9056A	Ion Chromatography	Nitrate
Solid	EPA 9056A	Ion Chromatography	Nitrite
Solid	EPA 9056A	Ion Chromatography	Orthophosphate
Solid	EPA 9056A	Ion Chromatography	Sulfate
Solid	EPA 9095	Manual	Paint Filter
Solid	FL-PRO / MADEP-EPH	GC/FID	Diesel Range Organics (DRO)



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 1010	Manual	Flashpoint
Aqueous/Solid	EPA 1020	Manual	Flashpoint
Aqueous/Solid	EPA 300.0	Ion Chromatography	Chloride
Aqueous/Solid	EPA 300.0	Ion Chromatography	Flouride
Aqueous/Solid	EPA 300.0	Ion Chromatography	Nitrate
Aqueous/Solid	EPA 300.0	Ion Chromatography	Nitrate + Nitrite as N
Aqueous/Solid	EPA 300.0	Ion Chromatography	Nitrite
Aqueous/Solid	EPA 300.0	Ion Chromatography	Orthophosphate
Aqueous/Solid	EPA 300.0	Ion Chromatography	Sulfate
Aqueous/Solid	EPA 6010B, C	ICP-OES	Aluminum
Aqueous/Solid	EPA 6010B, C	ICP-OES	Antimony
Aqueous/Solid	EPA 6010B, C	ICP-OES	Arsenic
Aqueous/Solid	EPA 6010B, C	ICP-OES	Barium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Beryllium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Boron
Aqueous/Solid	EPA 6010B, C	ICP-OES	Cadmium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Calcium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Chromium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Cobalt
Aqueous/Solid	EPA 6010B, C	ICP-OES	Copper
Aqueous/Solid	EPA 6010B, C	ICP-OES	Iron
Aqueous/Solid	EPA 6010B, C	ICP-OES	Lead
Aqueous/Solid	EPA 6010B, C	ICP-OES	Magnesium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Manganese
Aqueous/Solid	EPA 6010B, C	ICP-OES	Molybdenum
Aqueous/Solid	EPA 6010B, C	ICP-OES	Nickel
Aqueous/Solid	EPA 6010B, C	ICP-OES	Potassium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Selenium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Silica as SiO ₂
Aqueous/Solid	EPA 6010B, C	ICP-OES	Silver
Aqueous/Solid	EPA 6010B, C	ICP-OES	Sodium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Strontium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Thallium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Tin
Aqueous/Solid	EPA 6010B, C	ICP-OES	Titanium
Aqueous/Solid	EPA 6010B, C	ICP-OES	Vanadium



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 6010B, C	ICP-OES	Zinc
Aqueous/Solid	EPA 6020A	ICP-MS	Antimony
Aqueous/Solid	EPA 6020A	ICP-MS	Arsenic
Aqueous/Solid	EPA 6020A	ICP-MS	Barium
Aqueous/Solid	EPA 6020A	ICP-MS	Beryllium
Aqueous/Solid	EPA 6020A	ICP-MS	Cadmium
Aqueous/Solid	EPA 6020A	ICP-MS	Chromium
Aqueous/Solid	EPA 6020A	ICP-MS	Cobalt
Aqueous/Solid	EPA 6020A	ICP-MS	Copper
Aqueous/Solid	EPA 6020A	ICP-MS	Lead
Aqueous/Solid	EPA 6020A	ICP-MS	Manganese
Aqueous/Solid	EPA 6020A	ICP-MS	Molybdenum
Aqueous/Solid	EPA 6020A	ICP-MS	Nickel
Aqueous/Solid	EPA 6020A	ICP-MS	Selenium
Aqueous/Solid	EPA 6020A	ICP-MS	Silver
Aqueous/Solid	EPA 6020A	ICP-MS	Strontium
Aqueous/Solid	EPA 6020A	ICP-MS	Thallium
Aqueous/Solid	EPA 6020A	ICP-MS	Tin
Aqueous/Solid	EPA 6020A	ICP-MS	Titanium
Aqueous/Solid	EPA 6020A	ICP-MS	Vanadium
Aqueous/Solid	EPA 6020A	ICP-MS	Zinc
Aqueous/Solid	EPA 8015 / MADEP-VPH	GC/FID	Gasoline Range Organics (GRO)
Aqueous/Solid	EPA 8015C	GC/FID	2-ethoxyethanol
Aqueous/Solid	EPA 8015C	GC/FID	Diesel Range Organics (DRO)
Aqueous/Solid	EPA 8015C	GC/FID	Ethanol
Aqueous/Solid	EPA 8015C	GC/FID	Ethylene Glycol
Aqueous/Solid	EPA 8015C	GC/FID	Isobutyl alcohol
Aqueous/Solid	EPA 8015C	GC/FID	Isopropyl Alcohol
Aqueous/Solid	EPA 8015C	GC/FID	Methanol
Aqueous/Solid	EPA 8015C	GC/FID	n-Butyl alcohol
Aqueous/Solid	EPA 8081A, B	GC/ECD	4,4'-DDD
Aqueous/Solid	EPA 8081A, B	GC/ECD	4,4'-DDE
Aqueous/Solid	EPA 8081A, B	GC/ECD	4,4'-DDT
Aqueous/Solid	EPA 8081A, B	GC/ECD	Aldrin
Aqueous/Solid	EPA 8081A, B	GC/ECD	alpha-BHC
Aqueous/Solid	EPA 8081A, B	GC/ECD	Alpha-Chlordane



Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway, Jacksonville, FL 32216
Contact Name: Walter Kronz, Jesse Shuck Phone: 904-363-9350

Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8081A, B	GC/ECD	beta-BHC
Aqueous/Solid	EPA 8081A, B	GC/ECD	Chlordane (Tech)
Aqueous/Solid	EPA 8081A, B	GC/ECD	delta-BHC
Aqueous/Solid	EPA 8081A, B	GC/ECD	Dieldrin
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endosulfan I
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endosulfan II
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endosulfan Sulfate
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endrin
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endrin Aldehyde
Aqueous/Solid	EPA 8081A, B	GC/ECD	Endrin Ketone
Aqueous/Solid	EPA 8081A, B	GC/ECD	gamma-BHC (Lindane)
Aqueous/Solid	EPA 8081A, B	GC/ECD	Gamma-Chlordane
Aqueous/Solid	EPA 8081A, B	GC/ECD	Heptachlor
Aqueous/Solid	EPA 8081A, B	GC/ECD	Heptachlor Epoxide
Aqueous/Solid	EPA 8081A, B	GC/ECD	Methoxychlor
Aqueous/Solid	EPA 8081A, B	GC/ECD	Toxaphene
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1016
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1221
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1232
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1242
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1248
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1254
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1260
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1262
Aqueous/Solid	EPA 8082A	GC/ECD	Aroclor 1268
Aqueous/Solid	EPA 8141B	GC/NPD	Azinphos-methyl (Gunthion)
Aqueous/Solid	EPA 8141B	GC/NPD	Chloropyrifos
Aqueous/Solid	EPA 8141B	GC/NPD	Dementon total
Aqueous/Solid	EPA 8141B	GC/NPD	Diazinon
Aqueous/Solid	EPA 8141B	GC/NPD	Disulfoton
Aqueous/Solid	EPA 8141B	GC/NPD	Ethoprop
Aqueous/Solid	EPA 8141B	GC/NPD	Ethyl Parathion
Aqueous/Solid	EPA 8141B	GC/NPD	Famphur
Aqueous/Solid	EPA 8141B	GC/NPD	Malathion
Aqueous/Solid	EPA 8141B	GC/NPD	Methyl parathion
Aqueous/Solid	EPA 8141B	GC/NPD	Phorate



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8151A	GC/ECD	2,4,5-T
Aqueous/Solid	EPA 8151A	GC/ECD	2,4,5-TP (Silvex)
Aqueous/Solid	EPA 8151A	GC/ECD	2,4-D
Aqueous/Solid	EPA 8151A	GC/ECD	2,4-DB
Aqueous/Solid	EPA 8151A	GC/ECD	Dalapon
Aqueous/Solid	EPA 8151A	GC/ECD	Dicamba
Aqueous/Solid	EPA 8151A	GC/ECD	Dinoseb
Aqueous/Solid	EPA 8151A	GC/ECD	Pentachlorophenol
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1 Dichloroethene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1 Dichloropropene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1,1,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1,1-Trichloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1,2,2-Tetrachloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1,2-Trichloro-1,2,2-trifluoroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1,2-Trichloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,1-Dichloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2 Dibromo-3-chloropropane (DBCP)
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2 Dibromoethane (EDB)
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2 Dichlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2 Dichloropropane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2,3 Trichlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2,3 Trichloropropane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2,4 Trichlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2,4 Trimethylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,2-Dichloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,3,5 Trimethylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,3-Dichlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,3-Dichloropropane
Aqueous/Solid	EPA 8260B, C	GC/MS	1,4-Dichlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	1,4-Dioxane
Aqueous/Solid	EPA 8260B, C	GC/MS	2-Nitropropane
Aqueous/Solid	EPA 8260B, C	GC/MS	2 Hexanone
Aqueous/Solid	EPA 8260B, C	GC/MS	2,2-Dichloropropane
Aqueous/Solid	EPA 8260B, C	GC/MS	2-Chloroethyl vinyl ether
Aqueous/Solid	EPA 8260B, C	GC/MS	2-Chlorotoluene
Aqueous/Solid	EPA 8260B, C	GC/MS	4-Chlorotoluene



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260B, C	GC/MS	4-Methyl-2-pentanone (MIBK)
Aqueous/Solid	EPA 8260B, C	GC/MS	Acetone
Aqueous/Solid	EPA 8260B, C	GC/MS	Acetonitrile
Aqueous/Solid	EPA 8260B, C	GC/MS	Acrolein
Aqueous/Solid	EPA 8260B, C	GC/MS	Benzene
Aqueous/Solid	EPA 8260B, C	GC/MS	Bromobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	Bromochloromethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Bromodichloromethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Bromoform
Aqueous/Solid	EPA 8260B, C	GC/MS	Bromomethane (Methyl Bromide)
Aqueous/Solid	EPA 8260B, C	GC/MS	Carbon Disulfide
Aqueous/Solid	EPA 8260B, C	GC/MS	Carbon Tetrachloride
Aqueous/Solid	EPA 8260B, C	GC/MS	Chlorobenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	Chloroethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Chloroform
Aqueous/Solid	EPA 8260B, C	GC/MS	Chloromethane (Methyl Chloride)
Aqueous/Solid	EPA 8260B, C	GC/MS	cis-1,2-Dichloroethene
Aqueous/Solid	EPA 8260B, C	GC/MS	cis-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B, C	GC/MS	Cyclohexane
Aqueous/Solid	EPA 8260B, C	GC/MS	Cyclohexanone
Aqueous/Solid	EPA 8260B, C	GC/MS	Dibromochloromethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Dibromomethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Dichlorodifluoromethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Ethylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	Hexachlorobutadiene
Aqueous/Solid	EPA 8260B, C	GC/MS	Isopropylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	m,p-xylenes
Aqueous/Solid	EPA 8260B, C	GC/MS	MEK (2-Butanone)
Aqueous/Solid	EPA 8260B, C	GC/MS	Methyl Acetate
Aqueous/Solid	EPA 8260B, C	GC/MS	Methyl tert butyl ether (MTBE)
Aqueous/Solid	EPA 8260B, C	GC/MS	Methylcyclohexane
Aqueous/Solid	EPA 8260B, C	GC/MS	Methylene Chloride
Aqueous/Solid	EPA 8260B, C	GC/MS	Naphthalene
Aqueous/Solid	EPA 8260B, C	GC/MS	n-Butylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	n-Propylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	o-xylene



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Advanced Environmental Laboratories, Inc.

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Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260B, C	GC/MS	Propionitrile
Aqueous/Solid	EPA 8260B, C	GC/MS	sec-Butylbenzene
Aqueous/Solid	EPA 8260B, C	GC/MS	Styrene
Aqueous/Solid	EPA 8260B, C	GC/MS	Toluene
Aqueous/Solid	EPA 8260B, C	GC/MS	trans-1,2-dichloroethene
Aqueous/Solid	EPA 8260B, C	GC/MS	trans-1,3-Dichloropropene
Aqueous/Solid	EPA 8260B, C	GC/MS	Tetrachloroethylene
Aqueous/Solid	EPA 8260B, C	GC/MS	Trichloroethene
Aqueous/Solid	EPA 8260B, C	GC/MS	Trichlorofluoromethane
Aqueous/Solid	EPA 8260B, C	GC/MS	Vinyl Acetate
Aqueous/Solid	EPA 8260B, C	GC/MS	Vinyl Chloride
Aqueous/Solid	EPA 8260B, C	GC/MS	Xylenes, Total
Aqueous/Solid	EPA 8270 SIM	GC/MS	1,4 Dioxane
Aqueous/Solid	EPA 8270 SIM	GC/MS	1-Methylnaphthalene
Aqueous/Solid	EPA 8270 SIM	GC/MS	2-Methylnaphthalene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Acenaphthene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Acenaphthylene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Anthracene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Benzo(a)anthracene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Benzo(a)pyrene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Benzo(b)fluoranthene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Benzo(g,h,i)perylene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Benzo(k)fluoranthene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Chrysene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Dibenzo(a,h)anthracene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Fluoranthene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Fluorene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Indeno(1,2,3, cd)pyrene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Naphthalene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Phenanthrene
Aqueous/Solid	EPA 8270 SIM	GC/MS	Pyrene
Aqueous/Solid	EPA 8270C, D	GC/MS	1,2 Dichlorobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	1,2,4,5 Tetrachlorobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	1,2,4-Trichlorobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	1,2-Diphenylhydrazine
Aqueous/Solid	EPA 8270C, D	GC/MS	1,3 Dichlorobenzene



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8270C, D	GC/MS	1,4 Dichlorobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	1-Chloronaphthalene
Aqueous/Solid	EPA 8270C, D	GC/MS	1-Methylnaphthalene
Aqueous/Solid	EPA 8270C, D	GC/MS	2 Methylnaphthalene
Aqueous/Solid	EPA 8270C, D	GC/MS	2,3,4,6 Tetrachlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4,5 Trichlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4,6-Trichlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4-Dichlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4-Dimethylphenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4-Dinitrophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,4-Dinitrotoluene
Aqueous/Solid	EPA 8270C, D	GC/MS	2,6 Dichlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2,6-Dinitrotoluene
Aqueous/Solid	EPA 8270C, D	GC/MS	2-Chloronaphthalene
Aqueous/Solid	EPA 8270C, D	GC/MS	2-Chlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2-methyl phenol (o-cresol)
Aqueous/Solid	EPA 8270C, D	GC/MS	2-Methyl-4,6-Dinitrophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	2-Nitroaniline
Aqueous/Solid	EPA 8270C, D	GC/MS	2-Nitrophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	3,3'-Dichlorobenzidine
Aqueous/Solid	EPA 8270C, D	GC/MS	3+4-methyl phenol (MPcresol)
Aqueous/Solid	EPA 8270C, D	GC/MS	3-Nitroaniline
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Bromophenyl-phenylether
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Chloro-3-methylphenol
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Chloroaniline
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Chlorophenyl-phenylether
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Nitroaniline
Aqueous/Solid	EPA 8270C, D	GC/MS	4-Nitrophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	Acenaphthene
Aqueous/Solid	EPA 8270C, D	GC/MS	Acenaphthylene
Aqueous/Solid	EPA 8270C, D	GC/MS	Acetophenone
Aqueous/Solid	EPA 8270C, D	GC/MS	Aniline
Aqueous/Solid	EPA 8270C, D	GC/MS	Anthracene
Aqueous/Solid	EPA 8270C, D	GC/MS	Atrazine
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzaldehyde
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzidine



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Accreditation is granted to the facility to perform the following testing:

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzo(a)anthracene
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzo(a)pyrene
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzo(b)fluoranthene
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzo(g,h,i)perylene
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzo(k)fluoranthene
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzoic Acid
Aqueous/Solid	EPA 8270C, D	GC/MS	Benzyl Alcohol
Aqueous/Solid	EPA 8270C, D	GC/MS	Biphenyl
Aqueous/Solid	EPA 8270C, D	GC/MS	bis(2-Chloroethoxy) methane
Aqueous/Solid	EPA 8270C, D	GC/MS	bis(2-Chloroethyl) ether
Aqueous/Solid	EPA 8270C, D	GC/MS	bis(2-Chloroisopropyl) ether
Aqueous/Solid	EPA 8270C, D	GC/MS	Bis(2-ethylhexyl) phthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Butyl Benzyl Phthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Caprolactum
Aqueous/Solid	EPA 8270C, D	GC/MS	Carbazole
Aqueous/Solid	EPA 8270C, D	GC/MS	Chrysene
Aqueous/Solid	EPA 8270C, D	GC/MS	Dibenzo(a,h)anthracene
Aqueous/Solid	EPA 8270C, D	GC/MS	Dibenzofuran
Aqueous/Solid	EPA 8270C, D	GC/MS	Diethyl phthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Dimethyl phthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Di-n-butylphthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Di-n-octylphthalate
Aqueous/Solid	EPA 8270C, D	GC/MS	Fluoranthene
Aqueous/Solid	EPA 8270C, D	GC/MS	Fluorene
Aqueous/Solid	EPA 8270C, D	GC/MS	Hexachlorobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	Hexachlorobutadiene
Aqueous/Solid	EPA 8270C, D	GC/MS	Hexachlorocyclopentadiene
Aqueous/Solid	EPA 8270C, D	GC/MS	Hexachloroethane
Aqueous/Solid	EPA 8270C, D	GC/MS	Indeno(1,2,3, cd)pyrene
Aqueous/Solid	EPA 8270C, D	GC/MS	Isophorone
Aqueous/Solid	EPA 8270C, D	GC/MS	Naphthalene
Aqueous/Solid	EPA 8270C, D	GC/MS	Nitrobenzene
Aqueous/Solid	EPA 8270C, D	GC/MS	n-Nitrosodimethylamine
Aqueous/Solid	EPA 8270C, D	GC/MS	n-Nitroso-di-n-propylamine
Aqueous/Solid	EPA 8270C, D	GC/MS	n-Nitrosodiphenylamine
Aqueous/Solid	EPA 8270C, D	GC/MS	n-Nitrosomethylethylamine



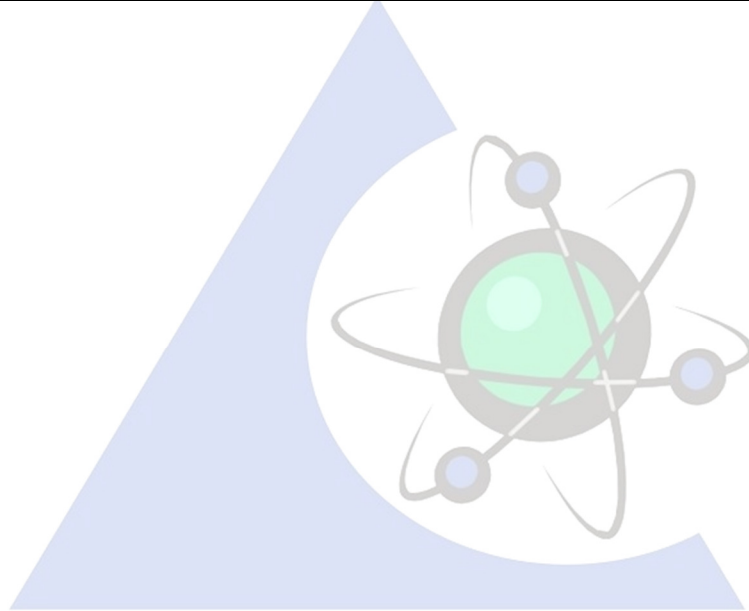
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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8270C, D	GC/MS	Pentachlorophenol
Aqueous/Solid	EPA 8270C, D	GC/MS	Phenacetin
Aqueous/Solid	EPA 8270C, D	GC/MS	Phenanthrene
Aqueous/Solid	EPA 8270C, D	GC/MS	Phenol
Aqueous/Solid	EPA 8270C, D	GC/MS	Pyrene
Aqueous/Solid	EPA 8270C, D	GC/MS	Pyridine
Aqueous/Solid	EPA 9040	Electrode	pH
Aqueous/Solid	FL-PRO	GC/FID	Diesel Range Organics (DRO)
Aqueous/Solid	FL-PRO	GC/FID	TPH





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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 3510C	Separatory Funnel	Extraction Prep Methods
Aqueous	EPA 5030B	Purge and trap	Volatile Prep Methods
Aqueous/Solid	EPA 1311	Leaching	Toxicity Characteristic Leaching Procedure
Aqueous/Solid	EPA 1312	Leaching	Synthetic Precipitation Leaching Procedure
Aqueous/Solid	EPA 3005A	Acid Digestion	Metals Digestion Prep Methods
Aqueous/Solid	EPA 3010A	Acid Digestion	Metals Digestion Prep Methods
Aqueous/Solid	EPA 3020A	Acid Digestion	Metals Digestion Prep Methods
Aqueous/Solid	EPA 3050B	Acid Digestion	Metals Digestion Prep Methods
Aqueous/Solid	EPA 3550C	Ultrasonic Extraction	Extraction Prep Methods
Aqueous/Solid	EPA 3580A	Waste Dilution Extraction	Extraction Prep Methods
Aqueous/Solid	EPA 3620B	Florisil Clean Up	Extraction Clean up
Aqueous/Solid	EPA 3630C	Silica Gel Clean Up	Extraction Clean up
Aqueous/Solid	EPA 3660B	Sulfur Clean Up	Extraction Clean up
Aqueous/Solid	EPA 3665A	Sulfuric Acid Clean Up	Extraction Clean up
Aqueous/Solid	EPA 5035A	Purge and Trap	Volatiles Prep Methods