



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Analytical Resources, Inc.
4611 South 134th Place, Suite 100, Tukwila, WA 98168

(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 5.1.1 February 2018 and is accredited in accordance with the:

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

***This accreditation demonstrates technical competence for the defined scope:
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

Initial Accreditation Date:

October 10, 2010

Issue Date:

December 6, 2018

Expiration Date:

January 31, 2021

Revision Date:

January 28, 2019

Accreditation No.:

66169

Certificate No.:

L18-565-R1

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

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.pjilabs.com



Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

Analytical Resources, Inc.

4611 South 134th Place, Suite 100, Tukwila, WA 98168
Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 160.4	Gravimetric	Settleable Solid
Aqueous	EPA 180.1	Nephelometry	Turbidity
Aqueous	EPA 245.1	CVAA	Mercury
Aqueous	EPA 410.4	Spectrophotometric	COD
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	Silicon
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
Aqueous	EPA 200.8	ICP-MS	Aluminum
Aqueous	EPA 200.8	ICP-MS	Antimony
Aqueous	EPA 200.8	ICP-MS	Arsenic



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 200.8	ICP-MS	Barium
Aqueous	EPA 200.8	ICP-MS	Beryllium
Aqueous	EPA 200.8	ICP-MS	Cadmium
Aqueous	EPA 200.8	ICP-MS	Calcium
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	Iron
Aqueous	EPA 200.8	ICP-MS	Lead
Aqueous	EPA 200.8	ICP-MS	Magnesium
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	Potassium
Aqueous	EPA 200.8	ICP-MS	Selenium
Aqueous	EPA 200.8	ICP-MS	Silver
Aqueous	EPA 200.8	ICP-MS	Sodium
Aqueous	EPA 200.8	ICP-MS	Thallium
Aqueous	EPA 200.8	ICP-MS	Vanadium
Aqueous	EPA 200.8	ICP-MS	Zinc
Aqueous	EPA 300.0	IC	Bromide
Aqueous	EPA 300.0	IC	Chloride
Aqueous	EPA 300.0	IC	Fluoride
Aqueous	EPA 300.0	IC	Nitrate
Aqueous	EPA 300.0	IC	Nitrite
Aqueous	EPA 300.0	IC	Phosphate
Aqueous	EPA 300.0	IC	Sulfate
Aqueous	EPA 353.2	Colorimetric	Total Nitrate- Nitrite, Nitrate and Nitrite
Aqueous	EPA 608	GC-ECD	4,4'-DDD
Aqueous	EPA 608	GC-ECD	4,4'-DDE
Aqueous	EPA 608	GC-ECD	4,4'-DDT
Aqueous	EPA 608	GC-ECD	Aldrin
Aqueous	EPA 608	GC-ECD	alpha-BHC
Aqueous	EPA 608	GC-ECD	Aroclor-1016 (PCB-1016)



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 608	GC-ECD	Aroclor-1221 (PCB-1221)
Aqueous	EPA 608	GC-ECD	Aroclor-1232 (PCB-1232)
Aqueous	EPA 608	GC-ECD	Aroclor-1242 (PCB-1242)
Aqueous	EPA 608	GC-ECD	Aroclor-1248 (PCB-1248)
Aqueous	EPA 608	GC-ECD	Aroclor-1254 (PCB-1254)
Aqueous	EPA 608	GC-ECD	Aroclor-1260 (PCB-1260)
Aqueous	EPA 608	GC-ECD	Aroclor-1262 (PCB-1262)
Aqueous	EPA 608	GC-ECD	Aroclor-1268 (PCB-1268)
Aqueous	EPA 608	GC-ECD	beta-BHC
Aqueous	EPA 608	GC-ECD	cis-Chlordane (alpha-chlordane)
Aqueous	EPA 608	GC-ECD	delta-BHC
Aqueous	EPA 608	GC-ECD	Dieldrin
Aqueous	EPA 608	GC-ECD	Endosulfan
Aqueous	EPA 608	GC-ECD	Endosulfan II
Aqueous	EPA 608	GC-ECD	Endosulfan Sulfate
Aqueous	EPA 608	GC-ECD	Endrin
Aqueous	EPA 608	GC-ECD	Endrin Aldehyde
Aqueous	EPA 608	GC-ECD	Endrin Ketone
Aqueous	EPA 608	GC-ECD	gamma-BHC (Lindane)
Aqueous	EPA 608	GC-ECD	Heptachlor
Aqueous	EPA 608	GC-ECD	Heptachlor Epoxide
Aqueous	EPA 608	GC-ECD	Hexachlorobenzene
Aqueous	EPA 608	GC-ECD	Hexachlorobutadiene
Aqueous	EPA 608	GC-ECD	Methoxychlor
Aqueous	EPA 608	GC-ECD	Toxaphene
Aqueous	EPA 608	GC-ECD	trans-Chlordane (beta-Chlordane, gamma-Chlordane)
Aqueous	EPA 624	GC-MS	1,1,1,2-Tetrachloroethane
Aqueous	EPA 624	GC-MS	1,1,1-Trichloroethane
Aqueous	EPA 624	GC-MS	1,1,2,2-Tetrachloroethane
Aqueous	EPA 624	GC-MS	1,1,2-Trichloro-1,2,2-Trifluoroethane
Aqueous	EPA 624	GC-MS	1,1,2-Trichloroethane
Aqueous	EPA 624	GC-MS	1,1-Dichloroethane
Aqueous	EPA 624	GC-MS	1,1-Dichloroethene
Aqueous	EPA 624	GC-MS	1,1-Dichloropropene



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

Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 624	GC-MS	1,2,3-Trichlorobenzene
Aqueous	EPA 624	GC-MS	1,2,4-Trichlorobenzene
Aqueous	EPA 624	GC-MS	1,2,4-Trimethylbenzene
Aqueous	EPA 624	GC-MS	1,2-Dibromo-3-Chloropropane
Aqueous	EPA 624	GC-MS	1,2-Dibromoethane
Aqueous	EPA 624	GC-MS	1,2-Dichlorobenzene
Aqueous	EPA 624	GC-MS	1,2-Dichloroethane
Aqueous	EPA 624	GC-MS	1,2-Dichloropropane
Aqueous	EPA 624	GC-MS	1,3,5-Trimethylbenzene
Aqueous	EPA 624	GC-MS	1,3-Dichlorobenzene
Aqueous	EPA 624	GC-MS	1,3-Dichloropropane
Aqueous	EPA 624	GC-MS	1,4-Dichlorobenzene
Aqueous	EPA 624	GC-MS	2,2-Dichloropropane
Aqueous	EPA 624	GC-MS	2-Butanone
Aqueous	EPA 624	GC-MS	2-Chloroethyl Vinyl Ether
Aqueous	EPA 624	GC-MS	2-Chlorotoluene
Aqueous	EPA 624	GC-MS	2-Hexanone
Aqueous	EPA 624	GC-MS	4-Chlorotoluene
Aqueous	EPA 624	GC-MS	4-Isopropyl Toluene
Aqueous	EPA 624	GC-MS	4-Methyl-2-Pentanone
Aqueous	EPA 624	GC-MS	Acetone
Aqueous	EPA 624	GC-MS	Acrolein
Aqueous	EPA 624	GC-MS	Acrylonitrile
Aqueous	EPA 624	GC-MS	Benzene
Aqueous	EPA 624	GC-MS	Bromobenzene
Aqueous	EPA 624	GC-MS	Bromochloromethane
Aqueous	EPA 624	GC-MS	Bromodichloromethane
Aqueous	EPA 624	GC-MS	Bromoethane
Aqueous	EPA 624	GC-MS	Bromoform
Aqueous	EPA 624	GC-MS	Bromomethane
Aqueous	EPA 624	GC-MS	Carbon Disulfide
Aqueous	EPA 624	GC-MS	Carbon Tetrachloride
Aqueous	EPA 624	GC-MS	Chlorobenzene
Aqueous	EPA 624	GC-MS	Chloroethane
Aqueous	EPA 624	GC-MS	Chloroform



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 624	GC-MS	Chloromethane
Aqueous	EPA 624	GC-MS	cis-1,2-Dichloroethene
Aqueous	EPA 624	GC-MS	cis-1,3-Dichloropropene
Aqueous	EPA 624	GC-MS	Dibromochloromethane
Aqueous	EPA 624	GC-MS	Dibromomethane
Aqueous	EPA 624	GC-MS	Dichlorodifluoromethane
Aqueous	EPA 624	GC-MS	Ethyl Benzene
Aqueous	EPA 624	GC-MS	Hexachloro-1,3-Butadiene
Aqueous	EPA 624	GC-MS	Iodomethane
Aqueous	EPA 624	GC-MS	Isopropyl Benzene
Aqueous	EPA 624	GC-MS	m,p-Xylene
Aqueous	EPA 624	GC-MS	Methylene Chloride
Aqueous	EPA 624	GC-MS	Methyl-t-butyl ether (MTBE)
Aqueous	EPA 624	GC-MS	Naphthalene
Aqueous	EPA 624	GC-MS	n-Butylbenzene
Aqueous	EPA 624	GC-MS	n-Propyl Benzene
Aqueous	EPA 624	GC-MS	o-Xylene
Aqueous	EPA 624	GC-MS	s-Butylbenzene
Aqueous	EPA 624	GC-MS	Styrene
Aqueous	EPA 624	GC-MS	t-Butylbenzene
Aqueous	EPA 624	GC-MS	Tetrachloroethene
Aqueous	EPA 624	GC-MS	Toluene
Aqueous	EPA 624	GC-MS	trans-1,2-Dichloroethene
Aqueous	EPA 624	GC-MS	trans-1,3-Dichloropropene
Aqueous	EPA 624	GC-MS	Trichloroethene
Aqueous	EPA 624	GC-MS	Trichlorofluoromethane
Aqueous	EPA 624	GC-MS	Vinyl Acetate
Aqueous	EPA 624	GC-MS	Vinyl Chloride
Aqueous	EPA 625	GC-MS	1,2,4-Trichlorobenzene
Aqueous	EPA 625	GC-MS	1,2-Dichlorobenzene
Aqueous	EPA 625	GC-MS	1,3-Dichlorobenzene
Aqueous	EPA 625	GC-MS	1,4-Dichlorobenzene
Aqueous	EPA 625	GC-MS	1-methylnaphthalene
Aqueous	EPA 625	GC-MS	2,2'-oxybis(1-Chloropropane)
Aqueous	EPA 625	GC-MS	2,3,4,6-Tetrachlorophenol



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Aqueous	EPA 625	GC-MS	2,4,5-Trichlorophenol
Aqueous	EPA 625	GC-MS	2,4,6-Trichlorophenol
Aqueous	EPA 625	GC-MS	2,4-Dichlorophenol
Aqueous	EPA 625	GC-MS	2,4-Dimethylphenol
Aqueous	EPA 625	GC-MS	2,4-Dinitrophenol
Aqueous	EPA 625	GC-MS	2,4-Dinitrotoluene
Aqueous	EPA 625	GC-MS	2,6-Dinitrotoluene
Aqueous	EPA 625	GC-MS	2-Chloronaphthalene
Aqueous	EPA 625	GC-MS	2-Chlorophenol
Aqueous	EPA 625	GC-MS	2-Methylnaphthalene
Aqueous	EPA 625	GC-MS	2-Methylphenol
Aqueous	EPA 625	GC-MS	2-Nitroaniline
Aqueous	EPA 625	GC-MS	2-Nitrophenol
Aqueous	EPA 625	GC-MS	3,3'-Dichlorobenzidine
Aqueous	EPA 625	GC-MS	3-Nitroaniline
Aqueous	EPA 625	GC-MS	4,6-Dinitro-2-methylphenol
Aqueous	EPA 625	GC-MS	4-Bromophenyl-phenylether
Aqueous	EPA 625	GC-MS	4-Chloro-3-methylphenol
Aqueous	EPA 625	GC-MS	4-Chloroaniline
Aqueous	EPA 625	GC-MS	4-Chlorophenyl-phenylether
Aqueous	EPA 625	GC-MS	4-Methylphenol
Aqueous	EPA 625	GC-MS	4-Nitroaniline
Aqueous	EPA 625	GC-MS	4-Nitrophenol
Aqueous	EPA 625	GC-MS	Acenaphthene
Aqueous	EPA 625	GC-MS	Acenaphthylene
Aqueous	EPA 625	GC-MS	Aniline
Aqueous	EPA 625	GC-MS	Anthracene
Aqueous	EPA 625	GC-MS	Benzidine
Aqueous	EPA 625	GC-MS	Benzo(a)anthracene
Aqueous	EPA 625	GC-MS	Benzo(a)pyrene
Aqueous	EPA 625	GC-MS	Benzo(g,h,i)perylene
Aqueous	EPA 625	GC-MS	Benzofluoranthene(s) (Total)
Aqueous	EPA 625	GC-MS	Benzoic acid
Aqueous	EPA 625	GC-MS	Benzyl alcohol
Aqueous	EPA 625	GC-MS	Bis(2-Chloroethoxy)methane



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Aqueous	EPA 625	GC-MS	Bis(2-Chloroethyl)ether
Aqueous	EPA 625	GC-MS	bis(2-Ethylhexyl)phthalate
Aqueous	EPA 625	GC-MS	Butylbenzylphthalate
Aqueous	EPA 625	GC-MS	Carbazole
Aqueous	EPA 625	GC-MS	Chrysene
Aqueous	EPA 625	GC-MS	Dibenzofuran
Aqueous	EPA 625	GC-MS	Dibutyl Phenyl Phosphate
Aqueous	EPA 625	GC-MS	Diethylphthalate
Aqueous	EPA 625	GC-MS	Dimethylphthalate
Aqueous	EPA 625	GC-MS	Di-n-butylphthalate
Aqueous	EPA 625	GC-MS	Di-n-octylphthalate
Aqueous	EPA 625	GC-MS	Fluoranthene
Aqueous	EPA 625	GC-MS	Fluorene
Aqueous	EPA 625	GC-MS	Hexachlorobenzene
Aqueous	EPA 625	GC-MS	Hexachlorobutadiene
Aqueous	EPA 625	GC-MS	Hexachlorocyclopentadiene
Aqueous	EPA 625	GC-MS	Hexachloroethane
Aqueous	EPA 625	GC-MS	Indeno(1,2,3-cd)pyrene
Aqueous	EPA 625	GC-MS	Isophorone
Aqueous	EPA 625	GC-MS	Naphthalene
Aqueous	EPA 625	GC-MS	Nitrobenzene
Aqueous	EPA 625	GC-MS	N-Nitrosodimethylamine
Aqueous	EPA 625	GC-MS	N-Nitroso-di-n-propylamine
Aqueous	EPA 625	GC-MS	N-Nitrosodiphenylamine
Aqueous	EPA 625	GC-MS	Phenanthrene
Aqueous	EPA 625	GC-MS	Phenol
Aqueous	EPA 625	GC-MS	Pyrene
Aqueous	EPA 625	GC-MS	Pyridine
Aqueous	EPA 9060A	Combustion IR	Total Organic Carbon
Aqueous	EPA 7470A	CVAA	Mercury
Aqueous	EPA 8270D-SIM	GC-MS	1-Methylnaphthalene
Aqueous	EPA 8270D-SIM	GC-MS	2-Methylnaphthalene
Aqueous	EPA 8270D-SIM	GC-MS	Acenaphthene
Aqueous	EPA 8270D-SIM	GC-MS	Acenaphthylene
Aqueous	EPA 8270D-SIM	GC-MS	Anthracene



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Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 8270D-SIM	GC-MS	Benzo(a)anthracene
Aqueous	EPA 8270D-SIM	GC-MS	Benzo(a)pyrene
Aqueous	EPA 8270D-SIM	GC-MS	Benzo(b)fluoranthene
Aqueous	EPA 8270D-SIM	GC-MS	Benzo(g,h,i)perylene
Aqueous	EPA 8270D-SIM	GC-MS	Benzo(k)fluoranthene
Aqueous	EPA 8270D-SIM	GC-MS	Chrysene
Aqueous	EPA 8270D-SIM	GC-MS	Dibenz(a,h)anthracene
Aqueous	EPA 8270D-SIM	GC-MS	Dibenzofuran
Aqueous	EPA 8270D-SIM	GC-MS	Fluoranthene
Aqueous	EPA 8270D-SIM	GC-MS	Fluorene
Aqueous	EPA 8270D-SIM	GC-MS	Indeno(1,2,3-cd)pyrene
Aqueous	EPA 8270D-SIM	GC-MS	Naphthalene
Aqueous	EPA 8270D-SIM	GC-MS	Perylene
Aqueous	EPA 8270D-SIM	GC-MS	Phenanthrene
Aqueous	EPA 8270D-SIM	GC-MS	Pyrene
Aqueous	EPA 9040C	Electrometric	pH
Aqueous	SM 2130B-01	Nephelometry	Turbidity
Aqueous	SM 2320 B-97	Titration	Alkalinity
Aqueous	SM 2540 C-97	Gravimetric	TDS
Aqueous	SM 2540 D-97	Gravimetric	TSS
Aqueous	SM 2540 F -97	Gravimetric	Settleable Solid
Aqueous	SM 5220 D-97	Spectrophotometric	COD
Drinking Water	EPA 524.3	GC-MS	1,1,1,2-Tetrachloroethane
Drinking Water	EPA 524.3	GC-MS	1,1,1-Trichloroethane
Drinking Water	EPA 524.3	GC-MS	1,1,2,2-Tetrachloroethane
Drinking Water	EPA 524.3	GC-MS	1,1,2-Trichloroethane
Drinking Water	EPA 524.3	GC-MS	1,1-Dichloroethane
Drinking Water	EPA 524.3	GC-MS	1,1-Dichloroethene
Drinking Water	EPA 524.3	GC-MS	1,1-Dichloropropene
Drinking Water	EPA 524.3	GC-MS	1,2,3-Trichlorobenzene
Drinking Water	EPA 524.3	GC-MS	1,2,3-Trichloropropane
Drinking Water	EPA 524.3	GC-MS	1,2,4-Trichlorobenzene
Drinking Water	EPA 524.3	GC-MS	1,2,4-Trimethylbenzene
Drinking Water	EPA 524.3	GC-MS	1,2-Dibromo 3-Chloropropane



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Matrix	Standard/Method	Technology	Analyte
Drinking Water	EPA 524.3	GC-MS	1,2-Dibromoethane (Ethylene Dibromide)
Drinking Water	EPA 524.3	GC-MS	1,2-Dichlorobenzene
Drinking Water	EPA 524.3	GC-MS	1,2-Dichloroethane
Drinking Water	EPA 524.3	GC-MS	1,2-Dichloropropane
Drinking Water	EPA 524.3	GC-MS	1,3,5-Trimethyl Benzene
Drinking Water	EPA 524.3	GC-MS	1,3-Dichlorobenzene
Drinking Water	EPA 524.3	GC-MS	1,3-Dichloropropane
Drinking Water	EPA 524.3	GC-MS	1,4-Dichlorobenzene
Drinking Water	EPA 524.3	GC-MS	2-Chlorotoluene
Drinking Water	EPA 524.3	GC-MS	4-Chlorotoluene
Drinking Water	EPA 524.3	GC-MS	4-iso-Propyltoluene
Drinking Water	EPA 524.3	GC-MS	Benzene
Drinking Water	EPA 524.3	GC-MS	Bromobenzene
Drinking Water	EPA 524.3	GC-MS	Bromochloromethane
Drinking Water	EPA 524.3	GC-MS	Bromodichloromethane
Drinking Water	EPA 524.3	GC-MS	Bromoform
Drinking Water	EPA 524.3	GC-MS	Bromomethane
Drinking Water	EPA 524.3	GC-MS	Carbon Tetrachloride
Drinking Water	EPA 524.3	GC-MS	Chlorobenzene
Drinking Water	EPA 524.3	GC-MS	Chloroform
Drinking Water	EPA 524.3	GC-MS	Chloromethane
Drinking Water	EPA 524.3	GC-MS	cis-1,2-Dichloroethene
Drinking Water	EPA 524.3	GC-MS	cis-1,3-dichloropropene
Drinking Water	EPA 524.3	GC-MS	Dibromomethane
Drinking Water	EPA 524.3	GC-MS	Ethyl Benzene
Drinking Water	EPA 524.3	GC-MS	Hexachloro-1,3-butadiene
Drinking Water	EPA 524.3	GC-MS	iso-Propyl Benzene
Drinking Water	EPA 524.3	GC-MS	m,p-xylene
Drinking Water	EPA 524.3	GC-MS	Methyl tert-butyl ether (MTBE)
Drinking Water	EPA 524.3	GC-MS	Methyl tert-butyl-ether-d3
Drinking Water	EPA 524.3	GC-MS	Methylene Chloride
Drinking Water	EPA 524.3	GC-MS	Naphthalene
Drinking Water	EPA 524.3	GC-MS	n-Butylbenzene
Drinking Water	EPA 524.3	GC-MS	n-Propyl Benzene



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Matrix	Standard/Method	Technology	Analyte
Drinking Water	EPA 524.3	GC-MS	o-Xylene
Drinking Water	EPA 524.3	GC-MS	sec-Butylbenzene
Drinking Water	EPA 524.3	GC-MS	Styrene
Drinking Water	EPA 524.3	GC-MS	tert-Butylbenzene
Drinking Water	EPA 524.3	GC-MS	Tetrachloroethene
Drinking Water	EPA 524.3	GC-MS	Toluene
Drinking Water	EPA 524.3	GC-MS	trans-1,2-Dichloroethene
Drinking Water	EPA 524.3	GC-MS	trans-1,3-Dichloropropene
Drinking Water	EPA 524.3	GC-MS	Trichloroethene
Drinking Water	EPA 524.3	GC-MS	Trichlorofluoromethane
Drinking Water	EPA 524.3	GC-MS	Vinyl Chloride
Solid	EPA 245.5	CVAA	Mercury
Solid	EPA 7471B	CVAA	Mercury
Solid	EPA 8041A	GC-ECD	Pentachlorophenol & Chlorinated Phenols
Solid	EPA 9045D	Electrometric	pH
Solid	Plumb 1981	Combustion IR	Total Organic Carbon
Aqueous/Solid	AK101	GC-MS	Gasoline (TPH-G, GRO)
Aqueous/Solid	AK102	GC-FID	Diesel (TPH-D, DRO)
Aqueous/Solid	AK103	GC-FID	Motor Oil (RRO)
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,4,6,7,8-HpCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,4,6,7,8-HpCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,4,7,8,9-HpCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,4,7,8-HxCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,4,7,8-HxCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,6,7,8-HxCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,6,7,8-HxCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,7,8,9-HxCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,7,8,9-HxCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,7,8-PeCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	1,2,3,7,8-PeCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	2,3,4,6,7,8-HxCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	2,3,4,7,8-PeCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	2,3,7,8-TCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	2,3,7,8-TCDF



Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

Analytical Resources, Inc.

4611 South 134th Place, Suite 100 Tukwila, WA 98168
Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 1613B	HRGC-HRMS	OCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	OCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total HpCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total HpCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total HxCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total HxCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total PeCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total PeCDF
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total TCDD
Aqueous/Solid	EPA 1613B	HRGC-HRMS	Total TCDF
Aqueous/Solid	EPA 300.0	IC	Bromide
Aqueous/Solid	EPA 300.0	IC	Chloride
Aqueous/Solid	EPA 300.0	IC	Fluoride
Aqueous/Solid	EPA 300.0	IC	Nitrate
Aqueous/Solid	EPA 300.0	IC	Nitrite
Aqueous/Solid	EPA 300.0	IC	Phosphate
Aqueous/Solid	EPA 300.0	IC	Sulfate
Aqueous/Solid	EPA 420.1	Spectrophotometric	Phenolics
Aqueous/Solid	EPA 6010C	ICP-OES	Aluminum
Aqueous/Solid	EPA 6010C	ICP-OES	Antimony
Aqueous/Solid	EPA 6010C	ICP-OES	Arsenic
Aqueous/Solid	EPA 6010C	ICP-OES	Barium
Aqueous/Solid	EPA 6010C	ICP-OES	Beryllium
Aqueous/Solid	EPA 6010C	ICP-OES	Boron
Aqueous/Solid	EPA 6010C	ICP-OES	Cadmium
Aqueous/Solid	EPA 6010C	ICP-OES	Calcium
Aqueous/Solid	EPA 6010C	ICP-OES	Chromium
Aqueous/Solid	EPA 6010C	ICP-OES	Cobalt
Aqueous/Solid	EPA 6010C	ICP-OES	Copper
Aqueous/Solid	EPA 6010C	ICP-OES	Iron
Aqueous/Solid	EPA 6010C	ICP-OES	Lead
Aqueous/Solid	EPA 6010C	ICP-OES	Magnesium
Aqueous/Solid	EPA 6010C	ICP-OES	Manganese
Aqueous/Solid	EPA 6010C	ICP-OES	Molybdenum
Aqueous/Solid	EPA 6010C	ICP-OES	Nickel



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Analytical Resources, Inc.

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Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 6010C	ICP-OES	Potassium
Aqueous/Solid	EPA 6010C	ICP-OES	Selenium
Aqueous/Solid	EPA 6010C	ICP-OES	Silicon
Aqueous/Solid	EPA 6010C	ICP-OES	Silver
Aqueous/Solid	EPA 6010C	ICP-OES	Sodium
Aqueous/Solid	EPA 6010C	ICP-OES	Strontium
Aqueous/Solid	EPA 6010C	ICP-OES	Thallium
Aqueous/Solid	EPA 6010C	ICP-OES	Tin
Aqueous/Solid	EPA 6010C	ICP-OES	Titanium
Aqueous/Solid	EPA 6010C	ICP-OES	Vanadium
Aqueous/Solid	EPA 6010C	ICP-OES	Zinc
Aqueous/Solid	EPA 6020A	ICP-MS	Aluminum
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	Calcium
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	Iron
Aqueous/Solid	EPA 6020A	ICP-MS	Lead
Aqueous/Solid	EPA 6020A	ICP-MS	Magnesium
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	Potassium
Aqueous/Solid	EPA 6020A	ICP-MS	Selenium
Aqueous/Solid	EPA 6020A	ICP-MS	Silver
Aqueous/Solid	EPA 6020A	ICP-MS	Sodium
Aqueous/Solid	EPA 6020A	ICP-MS	Thallium
Aqueous/Solid	EPA 6020A	ICP-MS	Vanadium
Aqueous/Solid	EPA 6020A	ICP-MS	Zinc
Aqueous/Solid	EPA 7196A	Colorimetric	Hexavalent Chromium



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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8015C	GC-FID	Diesel (TPH-D, DRO)
Aqueous/Solid	EPA 8015C	GC-FID	Motor Oil (RRO)
Aqueous/Solid	EPA 8081B	GC-ECD	2,4'-DDD
Aqueous/Solid	EPA 8081B	GC-ECD	2,4'-DDE
Aqueous/Solid	EPA 8081B	GC-ECD	2,4'-DDT
Aqueous/Solid	EPA 8081B	GC-ECD	4,4'-DDD
Aqueous/Solid	EPA 8081B	GC-ECD	4,4'-DDE
Aqueous/Solid	EPA 8081B	GC-ECD	4,4'-DDT
Aqueous/Solid	EPA 8081B	GC-ECD	Aldrin
Aqueous/Solid	EPA 8081B	GC-ECD	Alpha-BHC
Aqueous/Solid	EPA 8081B	GC-ECD	Beta-BHC
Aqueous/Solid	EPA 8081B	GC-ECD	Chlordane-technical
Aqueous/Solid	EPA 8081B	GC-ECD	cis-Chlordane
Aqueous/Solid	EPA 8081B	GC-ECD	cis-Nonachlor
Aqueous/Solid	EPA 8081B	GC-ECD	Delta-BHC
Aqueous/Solid	EPA 8081B	GC-ECD	Dieldrin
Aqueous/Solid	EPA 8081B	GC-ECD	Endosulfan I
Aqueous/Solid	EPA 8081B	GC-ECD	Endosulfan II
Aqueous/Solid	EPA 8081B	GC-ECD	Endosulfan Sulfate
Aqueous/Solid	EPA 8081B	GC-ECD	Endrin
Aqueous/Solid	EPA 8081B	GC-ECD	Endrin Aldehyde
Aqueous/Solid	EPA 8081B	GC-ECD	Endrin Ketone
Aqueous/Solid	EPA 8081B	GC-ECD	Gamma-BHC (Lindane)
Aqueous/Solid	EPA 8081B	GC-ECD	Heptachlor
Aqueous/Solid	EPA 8081B	GC-ECD	Heptachlor Epoxide
Aqueous/Solid	EPA 8081B	GC-ECD	Hexachlorobenzene
Aqueous/Solid	EPA 8081B	GC-ECD	Hexachlorobutadiene
Aqueous/Solid	EPA 8081B	GC-ECD	Methoxychlor
Aqueous/Solid	EPA 8081B	GC-ECD	Mirex
Aqueous/Solid	EPA 8081B	GC-ECD	oxy-Chlordane
Aqueous/Solid	EPA 8081B	GC-ECD	Toxaphene
Aqueous/Solid	EPA 8081B	GC-ECD	trans-Chlordane
Aqueous/Solid	EPA 8081B	GC-ECD	trans-Nonachlor
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1016 (PCB-1016)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1221 (PCB-1221)



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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1232 (PCB-1232)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1242 (PCB-1242)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1248 (PCB-1248)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1254 (PCB-1254)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1260 (PCB-1260)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1262 (PCB-1262)
Aqueous/Solid	EPA 8082A	GC-ECD	Aroclor-1268 (PCB-1268)
Aqueous/Solid	EPA 8260C	GC-MS	1,1,1,2-Tetrachloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1,1-Trichloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1,2,2-Tetrachloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1,2-Trichloro-1,2,2-Trifluoroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1,2-Trichloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1-Dichloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,1-Dichloroethene
Aqueous/Solid	EPA 8260C	GC-MS	1,1-Dichloropropene
Aqueous/Solid	EPA 8260C	GC-MS	1,2,3-Trichlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	1,2,3-Trichloropropane
Aqueous/Solid	EPA 8260C	GC-MS	1,2,4-Trichlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	1,2,4-Trimethylbenzene
Aqueous/Solid	EPA 8260C	GC-MS	1,2-Dibromo 3-Chloropropane
Aqueous/Solid	EPA 8260C	GC-MS	1,2-Dibromoethane
Aqueous/Solid	EPA 8260C	GC-MS	1,2-Dichlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	1,2-Dichloroethane
Aqueous/Solid	EPA 8260C	GC-MS	1,2-Dichloropropane
Aqueous/Solid	EPA 8260C	GC-MS	1,3,5-Trimethyl Benzene
Aqueous/Solid	EPA 8260C	GC-MS	1,3-Dichlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	1,3-Dichloropropane
Aqueous/Solid	EPA 8260C	GC-MS	1,4-Dichlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	2,2-Dichloropropane
Aqueous/Solid	EPA 8260C	GC-MS	2-Butanone
Aqueous/Solid	EPA 8260C	GC-MS	2-Chloroethyl Vinyl Ether
Aqueous/Solid	EPA 8260C	GC-MS	2-Chlorotoluene
Aqueous/Solid	EPA 8260C	GC-MS	2-Hexanone
Aqueous/Solid	EPA 8260C	GC-MS	4-Chlorotoluene
Aqueous/Solid	EPA 8260C	GC-MS	4-Isopropyl Toluene



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Analytical Resources, Inc.

4611 South 134th Place, Suite 100 Tukwila, WA 98168
Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260C	GC-MS	4-Methyl-2-Pentanone
Aqueous/Solid	EPA 8260C	GC-MS	Acetone
Aqueous/Solid	EPA 8260C	GC-MS	Acrolein
Aqueous/Solid	EPA 8260C	GC-MS	Acrylonitrile
Aqueous/Solid	EPA 8260C	GC-MS	Benzene
Aqueous/Solid	EPA 8260C	GC-MS	Bromobenzene
Aqueous/Solid	EPA 8260C	GC-MS	Bromochloromethane
Aqueous/Solid	EPA 8260C	GC-MS	Bromodichloromethane
Aqueous/Solid	EPA 8260C	GC-MS	Bromoethane
Aqueous/Solid	EPA 8260C	GC-MS	Bromoform
Aqueous/Solid	EPA 8260C	GC-MS	Bromomethane
Aqueous/Solid	EPA 8260C	GC-MS	Carbon Disulfide
Aqueous/Solid	EPA 8260C	GC-MS	Carbon Tetrachloride
Aqueous/Solid	EPA 8260C	GC-MS	Chlorobenzene
Aqueous/Solid	EPA 8260C	GC-MS	Chlorodibromomethane
Aqueous/Solid	EPA 8260C	GC-MS	Chloroethane
Aqueous/Solid	EPA 8260C	GC-MS	Chloroform
Aqueous/Solid	EPA 8260C	GC-MS	Chloromethane
Aqueous/Solid	EPA 8260C	GC-MS	cis-1,2-Dichloroethene
Aqueous/Solid	EPA 8260C	GC-MS	cis-1,3-Dichloropropene
Aqueous/Solid	EPA 8260C	GC-MS	Dibromomethane
Aqueous/Solid	EPA 8260C	GC-MS	Dichlorodifluoromethane
Aqueous/Solid	EPA 8260C	GC-MS	Ethyl Benzene
Aqueous/Solid	EPA 8260C	GC-MS	GRO
Aqueous/Solid	EPA 8260C	GC-MS	Hexachloro-1,3-Butadiene
Aqueous/Solid	EPA 8260C	GC-MS	Iodomethane
Aqueous/Solid	EPA 8260C	GC-MS	Isopropyl Benzene
Aqueous/Solid	EPA 8260C	GC-MS	m,p-Xylene
Aqueous/Solid	EPA 8260C	GC-MS	Methylene Chloride
Aqueous/Solid	EPA 8260C	GC-MS	Methyl-t-butyl ether (MTBE)
Aqueous/Solid	EPA 8260C	GC-MS	Naphthalene
Aqueous/Solid	EPA 8260C	GC-MS	n-Butyl Benzene
Aqueous/Solid	EPA 8260C	GC-MS	n-Propyl Benzene
Aqueous/Solid	EPA 8260C	GC-MS	o-Xylene
Aqueous/Solid	EPA 8260C	GC-MS	s-Butylbenzene



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Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8260C	GC-MS	Styrene
Aqueous/Solid	EPA 8260C	GC-MS	t-Butylbenzene
Aqueous/Solid	EPA 8260C	GC-MS	Tetrachloroethene
Aqueous/Solid	EPA 8260C	GC-MS	Toluene
Aqueous/Solid	EPA 8260C	GC-MS	trans-1,2-Dichloroethene
Aqueous/Solid	EPA 8260C	GC-MS	trans-1,3-Dichloropropene
Aqueous/Solid	EPA 8260C	GC-MS	trans-1,4-Dichloro-2-Butene
Aqueous/Solid	EPA 8260C	GC-MS	Trichloroethene
Aqueous/Solid	EPA 8260C	GC-MS	Trichlorofluoromethane
Aqueous/Solid	EPA 8260C	GC-MS	Vinyl Acetate
Aqueous/Solid	EPA 8260C	GC-MS	Vinyl Chloride
Aqueous/Solid	EPA 8270D	GC-MS	1,2,4,5-Tetrachlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	1,2,4-Trichlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	1,2-Dichlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	1,3-Dichlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	1,4-Dichlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	1,4-Dioxane
Aqueous/Solid	EPA 8270D	GC-MS	1-methylnaphthalene
Aqueous/Solid	EPA 8270D	GC-MS	2,2'-oxybis(1-Chloropropane)
Aqueous/Solid	EPA 8270D	GC-MS	2,3,4,6-Tetrachlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4,5-Trichlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4,6-Trichlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4-Dichlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4-Dimethylphenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4-Dinitrophenol
Aqueous/Solid	EPA 8270D	GC-MS	2,4-Dinitrotoluene
Aqueous/Solid	EPA 8270D	GC-MS	2,6-Dinitrotoluene
Aqueous/Solid	EPA 8270D	GC-MS	2-Chloronaphthalene
Aqueous/Solid	EPA 8270D	GC-MS	2-Chlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	2-Methylnaphthalene
Aqueous/Solid	EPA 8270D	GC-MS	2-Methylphenol
Aqueous/Solid	EPA 8270D	GC-MS	2-Nitroaniline
Aqueous/Solid	EPA 8270D	GC-MS	2-Nitrophenol
Aqueous/Solid	EPA 8270D	GC-MS	3,3'-Dichlorobenzidine
Aqueous/Solid	EPA 8270D	GC-MS	3-Nitroaniline



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Analytical Resources, Inc.

4611 South 134th Place, Suite 100 Tukwila, WA 98168
Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8270D	GC-MS	4,6-Dinitro-2-methylphenol
Aqueous/Solid	EPA 8270D	GC-MS	4-Bromophenyl-phenylether
Aqueous/Solid	EPA 8270D	GC-MS	4-Chloro-3-methylphenol
Aqueous/Solid	EPA 8270D	GC-MS	4-Chloroaniline
Aqueous/Solid	EPA 8270D	GC-MS	4-Chlorophenyl-phenylether
Aqueous/Solid	EPA 8270D	GC-MS	4-Methylphenol
Aqueous/Solid	EPA 8270D	GC-MS	4-Nitroaniline
Aqueous/Solid	EPA 8270D	GC-MS	4-Nitrophenol
Aqueous/Solid	EPA 8270D	GC-MS	Acenaphthene
Aqueous/Solid	EPA 8270D	GC-MS	Acenaphthylene
Aqueous/Solid	EPA 8270D	GC-MS	Aniline
Aqueous/Solid	EPA 8270D	GC-MS	Anthracene
Aqueous/Solid	EPA 8270D	GC-MS	Benzidine
Aqueous/Solid	EPA 8270D	GC-MS	Benzo(a)anthracene
Aqueous/Solid	EPA 8270D	GC-MS	Benzo(a)pyrene
Aqueous/Solid	EPA 8270D	GC-MS	Benzo(b)fluoranthene
Aqueous/Solid	EPA 8270D	GC-MS	Benzo(g,h,i)perylene
Aqueous/Solid	EPA 8270D	GC-MS	Benzo(k)fluoranthene
Aqueous/Solid	EPA 8270D	GC-MS	Benzoic acid
Aqueous/Solid	EPA 8270D	GC-MS	Benzyl alcohol
Aqueous/Solid	EPA 8270D	GC-MS	Bis(2-Chloroethoxy)methane
Aqueous/Solid	EPA 8270D	GC-MS	Bis(2-Chloroethyl)ether
Aqueous/Solid	EPA 8270D	GC-MS	bis(2-Ethylhexyl)phthalate
Aqueous/Solid	EPA 8270D	GC-MS	Butyl Diphenyl Phosphate
Aqueous/Solid	EPA 8270D	GC-MS	Butylatedhydroxytoluene (BHT)
Aqueous/Solid	EPA 8270D	GC-MS	Butylbenzylphthalate
Aqueous/Solid	EPA 8270D	GC-MS	Carbazole
Aqueous/Solid	EPA 8270D	GC-MS	Chrysene
Aqueous/Solid	EPA 8270D	GC-MS	Dibenzo(a,h)anthracene
Aqueous/Solid	EPA 8270D	GC-MS	Dibenzofuran
Aqueous/Solid	EPA 8270D	GC-MS	Dibutyl Phenyl Phosphate
Aqueous/Solid	EPA 8270D	GC-MS	Diethylphthalate
Aqueous/Solid	EPA 8270D	GC-MS	Dimethylphthalate
Aqueous/Solid	EPA 8270D	GC-MS	Di-n-butylphthalate
Aqueous/Solid	EPA 8270D	GC-MS	Di-n-octylphthalate



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Analytical Resources, Inc.

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Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8270D	GC-MS	Fluoranthene
Aqueous/Solid	EPA 8270D	GC-MS	Fluorene
Aqueous/Solid	EPA 8270D	GC-MS	Hexachlorobenzene
Aqueous/Solid	EPA 8270D	GC-MS	Hexachlorobutadiene
Aqueous/Solid	EPA 8270D	GC-MS	Hexachlorocyclopentadiene
Aqueous/Solid	EPA 8270D	GC-MS	Hexachloroethane
Aqueous/Solid	EPA 8270D	GC-MS	Indeno(1,2,3-cd)pyrene
Aqueous/Solid	EPA 8270D	GC-MS	Isophorone
Aqueous/Solid	EPA 8270D	GC-MS	Naphthalene
Aqueous/Solid	EPA 8270D	GC-MS	Nitrobenzene
Aqueous/Solid	EPA 8270D	GC-MS	N-Nitrosodimethylamine
Aqueous/Solid	EPA 8270D	GC-MS	N-Nitroso-di-n-propylamine
Aqueous/Solid	EPA 8270D	GC-MS	N-Nitrosodiphenylamine
Aqueous/Solid	EPA 8270D	GC-MS	Pentachlorophenol
Aqueous/Solid	EPA 8270D	GC-MS	Phenanthrene
Aqueous/Solid	EPA 8270D	GC-MS	Phenol
Aqueous/Solid	EPA 8270D	GC-MS	Pyrene
Aqueous/Solid	EPA 8270D	GC-MS	Pyridine
Aqueous/Solid	EPA 8270D	GC-MS	Tributyl Phosphate
Aqueous/Solid	EPA 8270D	GC-MS	Triphenyl Phosphate
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,4,6,7,8-HpCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,4,6,7,8-HpCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,4,7,8,9-HpCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,4,7,8-HxCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,4,7,8-HxCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,6,7,8-HxCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,6,7,8-HxCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,7,8,9-HxCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,7,8,9-HxCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,7,8-PeCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	1,2,3,7,8-PeCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	2,3,4,6,7,8-HxCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	2,3,4,7,8-PeCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	2,3,7,8-TCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	2,3,7,8-TCDF



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Analytical Resources, Inc.

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Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	EPA 8290A	HRGC-HRMS	OCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	OCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total HpCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total HpCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total HxCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total HxCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total PeCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total PeCDF
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total TCDD
Aqueous/Solid	EPA 8290A	HRGC-HRMS	Total TCDF
Aqueous/Solid	EPA 9010C	Distillation	Cyanide Preparation
Aqueous/Solid	EPA 9014	Colorimetric	Cyanide
Aqueous/Solid	EPA 9030B	Distillation	Sulfide Preparation
Aqueous/Solid	EPA 9056A	IC	Bromide
Aqueous/Solid	EPA 9056A	IC	Chloride
Aqueous/Solid	EPA 9056A	IC	Fluoride
Aqueous/Solid	EPA 9056A	IC	Nitrate
Aqueous/Solid	EPA 9056A	IC	Nitrite
Aqueous/Solid	EPA 9056A	IC	Phosphate
Aqueous/Solid	EPA 9056A	IC	Sulfate
Aqueous/Solid	NWTPH-D	GC-FID	Diesel (TPH-D, DRO)
Aqueous/Solid	NWTPH-Dext	GC-FID	Motor Oil (RRO)
Aqueous/Solid	NWTPH-G	GC-MS	Gasoline (TPH-G, GRO)
Aqueous/Solid	SM 2540 B-97	Gravimetric	TS
Aqueous/Solid	SM 2540 E-97	Gravimetric	TVS
Aqueous/Solid	SM 2540 G-97	Gravimetric	Total / Fixed Solid
Aqueous/Solid	SM 4110-B00, 4100	IC	Bromide
Aqueous/Solid	SM 4110-B00, 4100	IC	Chloride
Aqueous/Solid	SM 4110-B00, 4100	IC	Fluoride
Aqueous/Solid	SM 4110-B00, 4100	IC	Nitrate
Aqueous/Solid	SM 4110-B00, 4100	IC	Nitrite
Aqueous/Solid	SM 4110-B00, 4100	IC	Phosphate
Aqueous/Solid	SM 4110-B00, 4100	IC	Sulfate
Aqueous/Solid	SM 4500-CI G97	Colorimetric	Chloride
Aqueous/Solid	SM 4500-F C97	ISE	Fluoride



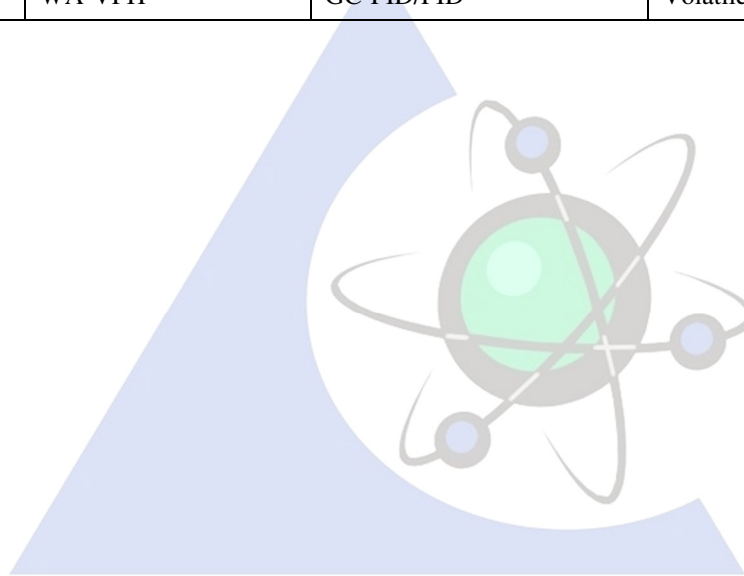
Certificate of Accreditation: Supplement
ISO/IEC 17025:2005 and DoD-ELAP

Analytical Resources, Inc.

4611 South 134th Place, Suite 100 Tukwila, WA 98168
Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous/Solid	SM 4500-S2 D-00	Colorimetric	Sulfide
Aqueous/Solid	SM 4500-NH3 D-97	Colorimetric	Ammonia
Aqueous/Solid	SM 4500-NO3 I-00	Colorimetric	Nitrate
Aqueous/Solid	SM 4500-NO3 I-00	Colorimetric	Nitrite
Aqueous/Solid	SM 4500-NO3 I-00	Colorimetric	Nitrite + Nitrate
Aqueous/Solid	SM 4500-Norg D-97	Colorimetric	Total Kjeldahl Nitrogen
Aqueous/Solid	SM 4500-SO4 G-97	Colorimetric	Sulfate
Aqueous/Solid	SM4500-CN E	Colorimetric	Cyanide
Aqueous/Solid	WA-EPH	GC-FID	Extractable Petroleum Hydrocarbons
Aqueous/Solid	WA-VPH	GC-FID/PID	Volatile Petroleum Hydrocarbons





Certificate of Accreditation: Supplement

ISO/IEC 17025:2005 and DoD-ELAP

Analytical Resources, Inc.

4611 South 134th Place, Suite 100, Tukwila, WA 98168
 Contact Name: Bob Congleton Phone: 206-695-6205

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

Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 3005A	Acid Digestion	Digestion Prep Method
Aqueous	EPA 3010A	Acid Digestion	Digestion Prep Method
Aqueous	EPA 3510C	Sep Funnel	Extraction Prep Method
Aqueous	EPA 3520C	Continuous Liquid-Liquid Extraction	Extraction Prep Method
Aqueous	EPA 3020A	Acid Digestion	Digestion Prep Method
Aqueous	EPA 5030B	Purge and Trap for Volatiles	Volatile Prep
Solid	EPA 3060A	Extraction	Hexavalent Chromium Preparation
Solid	EPA 3540C	Soxhlet	Extraction Prep Method
Solid	EPA 3546	Microwave	Extraction Prep Method
Solid	EPA 3550C	Ultrasonic	Extraction Prep Method
Solid	EPA 5035A	Purge and Trap for Volatiles	Volatile Organics
Aqueous/Solid	EPA 1311	Leaching	Toxicity Characteristic Leaching Procedure
Aqueous/Solid	EPA 1312	Leaching	Synthetic Precipitation Leaching Procedure
Aqueous/Solid	EPA 3050B	Acid Digestion	Digestion Prep Method
Aqueous/Solid	EPA 3580A	Waste Dilution	Extraction Prep Method