WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Precision Analytical Laboratories, LLC

Everett, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/ Analyte	Method	Notes
Drinking Water		
Turbidity	EPA 180.1 2 1993	2
Specific Conductance	SM 2510 B-2021	
Chlorine (Residual), Free	SM 4500-Cl G-2011	
Chlorine (Residual), Total	SM 4500-Cl G-2011	
Cyanide, Total	SM 4500-CN^- E-2016	
pH	SM 4500-H+ B-2011	2,4
Aluminum	EPA 200.8 5.4 1994	2,3
Antimony	EPA 200.8 5.4 1994	2,3
Arsenic	EPA 200.8 5.4 1994	2,3
Barium	EPA 200.8 5.4 1994	2,3
Beryllium	EPA 200.8 5.4 1994	2,3
Cadmium	EPA 200.8 5.4 1994	2,3
Chromium	EPA 200.8 5.4 1994	2,3
Copper	EPA 200.8 5.4 1994	2,3
Lead	EPA 200.8 5.4 1994	2,3
Manganese	EPA 200.8 5.4 1994	2,3
Molybdenum	EPA 200.8 5.4 1994	2,3
Nickel	EPA 200.8 5.4 1994	2,3
Selenium	EPA 200.8 5.4 1994	2,3
Silver	EPA 200.8 5.4 1994	2,3
Thallium	EPA 200.8 5.4 1994	2,3
Vanadium	EPA 200.8 5.4 1994	2,3
Zinc	EPA 200.8 5.4 1994	2,3
Non-Potable Water		
non-Polar Extractable Material (TPH)	EPA 1664A (SGT-HEM)	1
n-Hexane Extractable Material (O&G)	EPA 1664A 1 1999	1
Turbidity	EPA 180.1 2 1993	1
Alkalinity	SM 2320 B-2021	1
Hardness, Total (as CaCO3)	SM 2340 C-2021	1
Solids, Total Dissolved	SM 2540 C-2020	1
Solids, Total Suspended	SM 2540 D-2015	1,88
Chlorine (Residual), Free	SM 4500-Cl G-2011	
Chlorine (Residual), Total	SM 4500-Cl G-2011	
Cyanide, Total	SM 4500-CN^- E-2016	1

Matrix/ Analyte	Method	Notes
Non-Potable Water		
pH	SM 4500-H+ B-2011	2,4
Dissolved Oxygen	SM 4500-O G	1
Phosphorus, Total	SM 4500-P E-2011	1
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	1
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
UV Absorbing Organics	SM 5910 B-2013	1
Aluminum	EPA 200.7 4.4 1994	1
Antimony	EPA 200.7 4.4 1994	1
Arsenic	EPA 200.7 4.4 1994	1
Barium	EPA 200.7 4.4 1994	1
Beryllium	EPA 200.7 4.4 1994	1
Boron	EPA 200.7 4.4 1994	1
Cadmium	EPA 200.7 4.4 1994	1
Calcium	EPA 200.7 4.4 1994	1
Chromium	EPA 200.7 4.4 1994	1
Cobalt	EPA 200.7 4.4 1994	1
Copper	EPA 200.7 4.4 1994	1
Iron	EPA 200.7 4.4 1994	1
Lead	EPA 200.7 4.4 1994	1
Magnesium	EPA 200.7 4.4 1994	1
Manganese	EPA 200.7 4.4 1994	1
Molybdenum	EPA 200.7 4.4 1994	1
Nickel	EPA 200.7 4.4 1994	1
Potassium	EPA 200.7 4.4 1994	1
Selenium	EPA 200.7 4.4 1994	1
Silver	EPA 200.7 4.4 1994	1
Sodium	EPA 200.7 4.4 1994	1
Strontium	EPA 200.7 4.4 1994	1
Thallium	EPA 200.7 4.4 1994	1
Tin	EPA 200.7 4.4 1994	1
Titanium	EPA 200.7 4.4 1994	1
Vanadium	EPA 200.7 4.4 1994	1
Zinc	EPA 200.7 4.4 1994	1
Mercury	EPA 245.1 3 1994	1
4,4'-DDD	EPA 608.3	1
4,4'-DDE	EPA 608.3	1
4,4'-DDT	EPA 608.3	1
Aldrin	EPA 608.3	1
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	1
alpha-Chlordane	EPA 608.3	1
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	1
delta-BHC	EPA 608.3	1
Dieldrin	EPA 608.3	1
Endosulfan I	EPA 608.3	1
Endosulfan II	EPA 608.3	1
Endosulfan sulfate	EPA 608.3	1
Endrin	EPA 608.3	1
Endrin aldehyde	EPA 608.3	1
Endrin ketone	EPA 608.3	1
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	1

Matrix/ Analyte	Method	Notes
Non-Potable Water		
gamma-Chlordane	EPA 608.3	1
Heptachlor	EPA 608.3	1
Heptachlor epoxide	EPA 608.3	1
Methoxychlor	EPA 608.3	1
1,1,1,2-Tetrachloroethane	EPA 624.1	1
1,1,1-Trichloro-2,2,2-trifluoroethane	EPA 624.1	1
1,1,1-Trichloroethane	EPA 624.1	1
1,1,2,2-Tetrachloroethane	EPA 624.1	1
1,1,2-Trichloroethane	EPA 624.1	1
1,1-Dichloroethane	EPA 624.1	1
1,1-Dichloroethylene	EPA 624.1	1
1,1-Dichloropropene	EPA 624.1	1
1,2,3-Trichlorobenzene	EPA 624.1	1
1,2,3-Trichloropropane	EPA 624.1	1
1,2,4-Trimethylbenzene	EPA 624.1	1
1,2-Dibromo-3-chloropropane (DBCP)	EPA 624.1	1
1,2-Dichlorobenzene	EPA 624.1	1
1,2-Dichloroethane	EPA 624.1	1
1,2-Dichloropropane	EPA 624.1	1
1,3,5-Trimethylbenzene	EPA 624.1	1
1,3-Dichlorobenzene	EPA 624.1	1
1,3-Dichloropropane	EPA 624.1	1
1,4-Dichlorobenzene	EPA 624.1	1
2,2-Dichloropropane	EPA 624.1	1
2-Chlorotoluene	EPA 624.1	1
4-Chlorotoluene	EPA 624.1	1
4-Isopropyltoluene (p-Cymene)	EPA 624.1	1
Benzene	EPA 624.1	1
Bromobenzene	EPA 624.1	1
Bromochloromethane	EPA 624.1	1
Bromodichloromethane	EPA 624.1	1
Bromoform	EPA 624.1	1
Carbon tetrachloride	EPA 624.1	1
Chlorobenzene	EPA 624.1	1
Chlorodibromomethane	EPA 624.1	1
Chloroethane (Ethyl chloride)	EPA 624.1	1
Chloroform	EPA 624.1	1
cis-1,2-Dichloroethylene	EPA 624.1	1
cis-1,3-Dichloropropene	EPA 624.1	1
Dibromomethane	EPA 624.1	1
Di-isopropylether (DIPE)	EPA 624.1	1
Ethylbenzene	EPA 624.1	1
Ethyl-t-butylether (ETBE)	EPA 624.1	1
Hexachlorobutadiene	EPA 624.1	1
Isopropylbenzene	EPA 624.1	1
m+p-xylene	EPA 624.1	1
Methyl bromide (Bromomethane)	EPA 624.1	1
Methyl chloride (Chloromethane)	EPA 624.1	1
Methyl tert-butyl ether (MTBE)	EPA 624.1	1
Methylene chloride (Dichloromethane)	EPA 624.1	1

Matrix/ Analyte	Method	Notes
Non-Potable Water		
n-Butylbenzene	EPA 624.1	1
n-Propylbenzene	EPA 624.1	1
o-Xylene	EPA 624.1	1
sec-Butylbenzene	EPA 624.1	1
Styrene	EPA 624.1	1
tert-amylmethylether (TAME)	EPA 624.1	1
tert-Butylbenzene	EPA 624.1	1
Toluene	EPA 624.1	1
trans-1,2-Dichloroethylene	EPA 624.1	1
trans-1,3-Dichloropropylene	EPA 624.1	1
Trichloroethene (Trichloroethylene)	EPA 624.1	1
Trichlorofluoromethane (Freon 11)	EPA 624.1	1
Vinyl chloride	EPA 624.1	1
Xylene (total)	EPA 624.1	1
1,2,4-Trichlorobenzene	EPA 625.1	1
2,2'-Oxybis(1-chloropropane)	EPA 625.1	1
2,3,4,6-Tetrachlorophenol	EPA 625.1	1
2,4,5-Trichlorophenol	EPA 625.1	1
2,4,6-Trichlorophenol	EPA 625.1	1
2,4-Dichlorophenol	EPA 625.1	1
2,4-Dimethylphenol	EPA 625.1	1
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	1
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	1
2-Chloronaphthalene	EPA 625.1	1
2-Chlorophenol	EPA 625.1	1
2-Methylphenol (o-Cresol)	EPA 625.1	1
2-Nitrophenol	EPA 625.1	1
4,6-Dinitro-2-methylphenol	EPA 625.1	1
4-Bromophenyl phenyl ether	EPA 625.1	1
4-Chloro-3-methylphenol	EPA 625.1	1
4-Chlorophenyl phenylether	EPA 625.1	1
4-Methylphenol (p-Cresol)	EPA 625.1	1
Acenaphthene	EPA 625.1	1
Acenaphthylene	EPA 625.1	1
Anthracene	EPA 625.1	1
Azobenzene	EPA 625.1	1
Benzo(a)anthracene	EPA 625.1	1
Benzo(a)pyrene	EPA 625.1	1
Benzo(g,h,i)perylene	EPA 625.1	1,5
Benzo(k)fluoranthene	EPA 625.1	1
Benzo[b]fluoranthene	EPA 625.1	1
bis(2-Chloroethoxy)methane	EPA 625.1	1
bis(2-Chloroethyl) ether	EPA 625.1	1
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 625.1	1
Butyl benzyl phthalate	EPA 625.1	1
Carbazole	EPA 625.1	1
Chrysene	EPA 625.1	1
Dibenz(a,h) anthracene	EPA 625.1	1
Diethyl phthalate	EPA 625.1	1
Dimethyl phthalate	EPA 625.1	1

Matrix/ Analyte	Method	Notes
Non-Potable Water		
Di-n-butyl phthalate	EPA 625.1	1
Di-n-octyl phthalate	EPA 625.1	1
Fluoranthene	EPA 625.1	1
Fluorene	EPA 625.1	1
Hexachlorobenzene	EPA 625.1	1
Hexachlorobutadiene	EPA 625.1	1
Hexachloroethane	EPA 625.1	1
Indeno(1,2,3-cd) pyrene	EPA 625.1	1
Isophorone	EPA 625.1	1
Naphthalene	EPA 625.1	1
n-Decane	EPA 625.1	1
Nitrobenzene	EPA 625.1	1
N-Nitroso-di-n-propylamine	EPA 625.1	1
n-Octadecane	EPA 625.1	1
Pentachlorophenol	EPA 625.1	1
Phenanthrene	EPA 625.1	1
Phenol	EPA 625.1	1
Pyrene	EPA 625.1	1
Solid and Chemical Materials		
Ignitability	ASTM D93-19	1
Chromium, Hexavalent	EPA 7196A 1 1992	1
pH	EPA 9045 D 2004	1
Aluminum	EPA 6010D 2018	1
Antimony	EPA 6010D 2018	1
Arsenic	EPA 6010D 2018	1
Barium	EPA 6010D 2018	1
Beryllium	EPA 6010D 2018	1
Boron	EPA 6010D 2018	1
Cadmium	EPA 6010D 2018	1
Chromium	EPA 6010D 2018	1
Cobalt	EPA 6010D 2018	1
Copper	EPA 6010D 2018	1
Iron	EPA 6010D 2018	1
Lead	EPA 6010D 2018	1
Manganese	EPA 6010D 2018	1
Molybdenum	EPA 6010D 2018	1
Nickel	EPA 6010D 2018	1
Selenium	EPA 6010D 2018	1
Silver	EPA 6010D 2018	1
Strontium	EPA 6010D 2018	1
Thallium	EPA 6010D 2018	1
Titanium	EPA 6010D 2018	1
Vanadium	EPA 6010D 2018	1
Zinc	EPA 6010D 2018	1
Aluminum	EPA 6020B (7/14)	1
Antimony	EPA 6020B (7/14)	1
Arsenic	EPA 6020B (7/14)	1
Barium	EPA 6020B (7/14)	1
Beryllium	EPA 6020B (7/14)	1

Matrix/ Analyte	Method	Notes
Solid and Chemical Materials		
Boron	EPA 6020B (7/14)	1
Cadmium	EPA 6020B (7/14)	1
Calcium	EPA 6020B (7/14)	1
Chromium	EPA 6020B (7/14)	1
Cobalt	EPA 6020B (7/14)	1
Copper	EPA 6020B (7/14)	1
Iron	EPA 6020B (7/14)	1
Lead	EPA 6020B (7/14)	1
Magnesium	EPA 6020B (7/14)	1
Manganese	EPA 6020B (7/14)	1
Molybdenum	EPA 6020B (7/14)	1
Nickel	EPA 6020B (7/14)	1
Selenium	EPA 6020B (7/14)	1
Silver	EPA 6020B (7/14)	1
Thallium	EPA 6020B (7/14)	1
Vanadium	EPA 6020B (7/14)	1
Zinc	EPA 6020B (7/14)	1
Mercury	EPA 7471A 1 1994	1
Percent Water	ASTM D6304-20	1

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Perry Johnson accreditation. (2) Provisional accreditation pending resolution of WA ELAP audit findings from the July 2025 onsite audit. (3) Accreditation Limited to direct analysis only. (4) Not for compliance samples unless 15 minute holding time is met. (88) Interim Washington accreditation pending receipt of an updated Scope from your Perry Johnson accreditation. This accreditation is based in part on recognition of your currently held accreditations for previous method versions. (5) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

11/13/2026

Date