

The State of  
Department



Washington  
of Ecology

**Precision Analytical Laboratories, LLC**  
**Everett, WA**

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation.

This certificate is effective September 26, 2024 and shall expire September 25, 2025.

Witnessed under my hand on September 30, 2024.

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Rebecca Wood  
Lab Accreditation Unit Supervisor

Laboratory ID  
**W01069**

# 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
<b>Non-Potable Water</b>		
pH	EPA 150.2	1
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
Solids, Total Suspended	SM 2540 D-2015	1,88
Cyanide, Total	SM 4500-CN <sup>-</sup> E-2016	1
Biochemical Oxygen Demand (BOD)	SM 5210 B-2016	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
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
Manganese	EPA 200.7_4.4_1994	1
Molybdenum	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1
Selenium	EPA 200.7_4.4_1994	1
Silver	EPA 200.7_4.4_1994	1
Strontium	EPA 200.7_4.4_1994	1
Thallium	EPA 200.7_4.4_1994	1

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Matrix/Analyte	Method	Notes
<b>Non-Potable Water</b>		
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
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
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	1
Heptachlor	EPA 608.3	1
Heptachlor epoxide	EPA 608.3	1
1,2,4-Trichlorobenzene	EPA 625.1	1
2-Chloronaphthalene	EPA 625.1	1
4-Bromophenyl phenyl ether	EPA 625.1	1
4-Chlorophenyl phenylether	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
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
Carbazole	EPA 625.1	1
Chrysene	EPA 625.1	1
Dimethyl phthalate	EPA 625.1	1
Di-n-butyl phthalate	EPA 625.1	1
Fluoranthene	EPA 625.1	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b>Non-Potable Water</b>		
Hexachlorobenzene	EPA 625.1	1
Hexachloroethane	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-Octadecane	EPA 625.1	1
Phenanthrene	EPA 625.1	1
Pyrene	EPA 625.1	1
Percent Water	ASTM D6304-20	1
<b>Solid and Chemical Materials</b>		
Ignitability	ASTM D93-19	1
Chromium, Hexavalent	EPA 7196A_1_1992	1
pH	EPA 9045 D_2004	1
Arsenic	EPA 6010D_(7/14)	1
Barium	EPA 6010D_(7/14)	1
Beryllium	EPA 6010D_(7/14)	1
Boron	EPA 6010D_(7/14)	1
Cadmium	EPA 6010D_(7/14)	1
Chromium	EPA 6010D_(7/14)	1
Cobalt	EPA 6010D_(7/14)	1
Copper	EPA 6010D_(7/14)	1
Lead	EPA 6010D_(7/14)	1
Manganese	EPA 6010D_(7/14)	1
Molybdenum	EPA 6010D_(7/14)	1
Nickel	EPA 6010D_(7/14)	1
Selenium	EPA 6010D_(7/14)	1
Silver	EPA 6010D_(7/14)	1
Strontium	EPA 6010D_(7/14)	1
Thallium	EPA 6010D_(7/14)	1
Titanium	EPA 6010D_(7/14)	1
Vanadium	EPA 6010D_(7/14)	1
Zinc	EPA 6010D_(7/14)	1
Aluminum	EPA 6020B_(7/14)	1
Arsenic	EPA 6020B_(7/14)	1
Barium	EPA 6020B_(7/14)	1
Beryllium	EPA 6020B_(7/14)	1

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Matrix/Analyte	Method	Notes
<b>Solid and Chemical Materials</b>		
Cadmium	EPA 6020B_(7/14)	1
Chromium	EPA 6020B_(7/14)	1
Cobalt	EPA 6020B_(7/14)	1
Copper	EPA 6020B_(7/14)	1
Lead	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
Thallium	EPA 6020B_(7/14)	1
Vanadium	EPA 6020B_(7/14)	1
Zinc	EPA 6020B_(7/14)	1
Mercury	EPA 7471A_1_1994	1

**Accredited Parameter Note Detail**

(1) Accreditation based in part on recognition of Perry Johnson accreditation. (2) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110). (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.



10/04/2024

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor