



PERRY JOHNSON LABORATORY ACCREDITATION, INC.



Certificate of Accreditation

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

***Precision Analytical Laboratories, LLC
3430 16th Street, Everett, WA 98201***

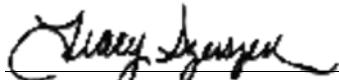
*(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of
and is accredited in accordance with the following Standard:*

TNI Environmental Laboratory Standard, Volume 1 - 2016

***Environmental Testing
(As detailed in the supplement)***

Accreditation claims for such activities shall only be made from the 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

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

Initial Accreditation Date:

June 29, 2022

Issue Date:

August 15, 2024

Expiration Date

October 31, 2026

Revision Date:

October 24, 2025

Accreditation No:

117740

Certificate No:

L24-625-R1

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.pjlabs.com



Certificate of Accreditation: Supplement



Precision Analytical Laboratories, LLC

3430 16th Street, Everett, WA 98201
Contact Name: Julia Redfield Phone: 425-317-8298

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

Code

General Chemistry

ASTM D6304 by Coulometric Karl Fischer Titrator (Code: TITR)	30032418
 Solids and Chemical (Code: S)	
Percent Water	8641
ASTM D93 by Pensky Martens Closed Cup Tester (Code: CAL)	30005813
 Non-Potable Water (Code: NPW)	
Flash Point	6117
 Solids and Chemical (Code: S)	
Flash Point	6117
EPA 150.2 by Ion Selective Electrode (Code: ISE)	10256005
 Drinking Water (Code: DW)	
pH	1900
EPA 180.1 by Turbidimeter (Code: Turbidimeter)	10011800
 Non-Potable Water (Code: NPW)	
Turbidity	2055
EPA 9045 by Ion Selective Electrode (Code: ISE)	10256005
 Solids and Chemical (Code: S)	
pH	1900
SM 2540D by Gravimetry (Code: GRAV)	60042004
 Non-Potable Water (Code: NPW)	
Total Suspended Solids and Chemicals	3973
SM 5210B by Oxygen Meter (Code: Galv)	20135028
 Non-Potable Water (Code: NPW)	
Biochemical Oxygen Demand	1530

Inorganic

EPA 200.7 by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES)	10014003
 Non-Potable Water (Code: NPW)	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070



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EPA 200.7 by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES) 10014003

Non-Potable Water (Code: NPW)

Lead	1075
Manganese	1090
Molybdenum	1100
Nickel	1105
Selenium	1140
Silver	1150
Strontium	1160
Thallium	1165
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190

EPA 200.8 by Inductively Coupled Plasma – Mass Spectrometry (Code: ICP-MS) 10014809

Drinking Water (Code: DW)

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Chromium	1040
Copper	1055
Lead	1075
Manganese	1090
Molybdenum	1090
Nickel	1105
Selenium	1140
Silver	1150
Thallium	1165
Vanadium	1185
Zinc	1190

EPA 245.1 by Atomic Absorption – Cold Vapor Spectrometry (Code: CVAAS) 10036609

Drinking Water (Code: DW)

Mercury	1095
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Non-Potable Water (Code: NPW)

Mercury	1095
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Inorganic

EPA 6010D by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES) 10155950

Solids and Chemical (Code: S)

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Manganese	1090
Molybdenum	1100
Nickel	1105
Selenium	1140
Silver	1150
Strontium	1160
Thallium	1165
Titanium	1165
Vanadium	1185
Zinc	1190

EPA 6020B by Inductively Coupled Plasma – Mass Spectrometry (Code: ICP-MS) 10156420

Air (Code: A)

Lead	1075
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Solids and Chemical (Code: S)

Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050



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Inorganic

EPA 6020B by Inductively Coupled Plasma – Mass Spectrometry (Code: ICP-MS)		10156420
Solids and Chemical (Code: S)		
Copper		1055
Iron		1070
Lead		1075
Magnesium		1804
Manganese		1090
Molybdenum		1100
Nickel		1105
Selenium		1140
Silver		1150
Thallium		1165
Vanadium		1185
Zinc		1190

EPA 7196A by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: Molecular Absorption Spectrometer)		10162400
Solids and Chemical (Code: S)		

Hexavalent Chromium		1045
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EPA 7471A by Atomic Absorption – Cold Vapor Spectrometry (Code: CVAAS)		10166208
Solids and Chemical (Code: S)		

Mercury		1095
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SM 4500-CN- E-2016 by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: Molecular Absorption Spectrometer)		10060001
Drinking Water (Code: DW)		

Cyanide		1645
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Organic

EPA 1664A by Gravimetry (Code: GRAV)		10127807
Non-Potable Water (Code: NPW)		

Hexane Extractable Material - Silica Gel Treated (HEM-SGT)		6142
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Hexane Extractable Material (HEM)		6143
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EPA 608.3 by Gas Chromatography – Electron Capture Detector (Code: GC-ECD)		10103807
Non-Potable Water (Code: NPW)		

4,4'-DDD		7355
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4,4'-DDE		7360
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4,4'-DDT		7365
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Aldrin		7025
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Alpha Chlordane		7240
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EPA 608.3 by Gas Chromatography – Electron Capture Detector (Code: GC-ECD)

10103807

Non-Potable Water (Code: NPW)

Alpha-BHC	7110
Beta-BHC	7115
Delta-BHC	7105
Dieldrin	7470
Endosulfan I	7510
Endosulfan II	7515
Endosulfan Sulfate	7520
Endrin	7540
Endrin Aldehyde	7530
Endrin Ketone	7535
Gamma Chlordane	7245
Gamma-BHC	7120
Heptachlor	7685
Heptachlor Epoxide	7690
Methoxychlor	7810

EPA 624.1 by Gas Chromatography – Mass Spectrometer (Code: GC-MS)

10298121

Non-Potable Water (Code: NPW)

1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dichlorobenzene	4610
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene	4615
1,4-Dichlorobenzene	4620
Benzene	4375
Chlorobenzene	4475
Ethylbenzene	4765
m & p-Xylene	6240
Naphthalene	5005
o-Xylene	5250
Toluene	5140
Xylenes, Total	5260

EPA 625.1 by Gas Chromatography – Mass Spectrometer (Code: GC-MS)

10300024

Non-Potable Water (Code: NPW)

1,2,4-Trichlorobenzene	5150
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene	4615



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Non-Potable Water (Code: NPW)	
1,4-Dichlorobenzene	4620
2,2'-Oxybis(1-chloropropane)	4659
2,3,4,6-Tetrachlorophenol	6735
2,4,5-Trichlorophenol	6835
2,4,6-Trichlorophenol	6840
2,4-Dichlorophenol	6000
2,4-Dimethylphenol	6130
2,4-Dinitrophenol	6175
2,4-Dinitrotoluene	6185
2,6-Dinitrotoluene	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methylphenol	6400
2-Nitrophenol	6490
4,6-Dinitro-2-methylphenol	6360
4-Bromophenyl Phenyl Ether	5660
4-Chloro-3-Methylphenol	5700
4-Chlorophenyl Phenyl Ether	5825
4-Methylphenol	6410
Acenaphthene	5500
Acenaphthylene	5505
Anthracene	5555
Azobenzene	5562
Benzo(a)anthracene	5575
Benzo(a)pyrene	5580
Benzo(b)fluoranthene	5585
Benzo(g,h,i)perylene	5590
Benzo(k)fluoranthene	5600
Bis(2-chloroethoxy)Methane	5760
bis(2-Chloroethyl)ether	5765
Bis(2-ethylhexyl)Phthalate	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
Chrysene	5855
Dibenz(a,h)anthracene	5895
Diethyl Phthalate	6070



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Non-Potable Water (Code: NPW)		
Dimethyl Phthalate		6135
Di-n-Butylphthalate		5925
Di-n-Octylphthalate		6200
Fluoranthene		6265
Fluorene		6270
Hexachlorobenzene		6275
Hexachlorobutadiene		4835
Hexachloroethane		4840
Indo (1,2,3-cd)pyrene		6315
Isophorone		6320
Naphthalene		5005
n-Decane		5875
Nitrobenzene		5015
N-Nitroso-di-n-propylamine		6545
n-Octadecane		6580
Pentachlorophenol		6605
Phenanthrene		6615
Phenol		6625
Pyrene		6665

No Preparation methods on scope

Footnotes: