



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.



## *Certificate of Accreditation*

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

***Trace Analytical Laboratories  
2241 Black Creek Road, Muskegon, MI 49444***

*(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 Szorszen  
President

*Initial Accreditation Date:*

July 12, 2023

*Issue Date:*

January 29, 2025

*Expiration Date*

March 31, 2027

*Revision Date:*

May 24, 2026

*Accreditation No.:*

1031

*Certificate No.:*

L25-98-R2

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.pjlab.com](http://www.pjlab.com)



# Certificate of Accreditation: Supplement



## Trace Analytical Laboratories

2241 Black Creek Road, Muskegon, MI 49444  
Contact Name: Alyson Yagiela Phone: 231-773-5998

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

	Code
<b>General Chemistry</b>	
<b>ASTM D2974 by Gravimetry (Code: GRAV)</b>	30026450
<b>Solids and Chemical (Code: S)</b>	
Percent Solids	1950
<b>ASTM D7237-18A by Auto Analyzer (Code: AUTO)</b>	30033091
<b>Non-Potable Water (Code: NPW)</b>	
Cyanide, Free	1640
<b>ASTM D7511-12 by Auto Analyzer (Code: AUTO)</b>	30033068
<b>Non-Potable Water (Code: NPW)</b>	
Cyanide, Total	1645
<b>EPA 1010B by Physical Properties (Code: PHYS)</b>	10234830
<b>Non-Potable Water (Code: NPW)</b>	
Ignitability	1780
<b>Solids and Chemical (Code: S)</b>	
Ignitability	1780
<b>EPA 120.1 by Conductance (Code: COND)</b>	10006209
<b>Non-Potable Water (Code: NPW)</b>	
Conductivity	1610
<b>EPA 1664B by Gravimetry (Code: GRAV)</b>	10261617
<b>Non-Potable Water (Code: NPW)</b>	
Oil and Grease	1860
<b>EPA 180.1 by Turbidity (Code: TURB)</b>	10011402
<b>Non-Potable Water (Code: NPW)</b>	
Turbidity	2055
<b>EPA 335.4 by Auto Analyzer (Code: AUTO)</b>	10061402
<b>Non-Potable Water (Code: NPW)</b>	
Cyanide, Total	1645
<b>EPA 350.1 by Auto Analyzer (Code: AUTO)</b>	10063602
<b>Non-Potable Water (Code: NPW)</b>	
Ammonia	1515
<b>EPA 351.2 by Auto Analyzer (Code: AUTO)</b>	10065404
<b>Non-Potable Water (Code: NPW)</b>	
TKN	1795
<b>EPA 410.4 by Auto Analyzer (Code: AUTO)</b>	10077404
<b>Non-Potable Water (Code: NPW)</b>	
COD	1565



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	Code
<b>General Chemistry</b>	
<b>EPA 420.4 by Auto Analyzer (Code: AUTO)</b>	10080203
<b>Non-Potable Water (Code: NPW)</b>	
Phenolics	1905
<b>EPA 9012B by Auto Analyzer (Code: AUTO)</b>	10243228
<b>Solids and Chemical (Code: S)</b>	
Cyanide, Total	1645
<b>EPA 9040C by Ion Selective Electrode (Code: ISE)</b>	10244403
<b>Non-Potable Water (Code: NPW)</b>	
pH	1900
<b>EPA 9045D by Ion Selective Electrode (Code: ISE)</b>	10198455
<b>Solids and Chemical (Code: S)</b>	
pH	1625
<b>EPA 9071B by Gravimetry (Code: GRAV)</b>	10201806
<b>Solids and Chemical (Code: S)</b>	
Oil and Grease	1860
<b>EPA 9095B by Other (Code: Other)</b>	10245600
<b>Solids and Chemical (Code: S)</b>	
Free Liquid (Paint Filter)	1745
<b>OIA 1677 by Auto Analyzer (Code: AUTO)</b>	60031450
<b>Non-Potable Water (Code: NPW)</b>	
Cyanide, Available	1523
<b>SM 2320B by Titrimetry - Visual Indicator (Code: TITR)</b>	20045447
<b>Non-Potable Water (Code: NPW)</b>	
Alkalinity	1505
<b>SM 2340B by Calculation (Code: CALC)</b>	20046440
<b>Non-Potable Water (Code: NPW)</b>	
Hardness	1755
<b>SM 2540B by Gravimetry (Code: GRAV)</b>	20049223
<b>Non-Potable Water (Code: NPW)</b>	
TS	1950
<b>SM 2540C by Gravimetry (Code: GRAV)</b>	20050479
<b>Non-Potable Water (Code: NPW)</b>	
TDS	1955
<b>SM 2540D by Gravimetry (Code: GRAV)</b>	20051029
<b>Non-Potable Water (Code: NPW)</b>	
TSS	1960



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<b>General Chemistry</b>	
<b>SM 4500 H+B by Ion Selective Electrode (Code: ISE)</b>	20105220
<b>Non-Potable Water (Code: NPW)</b>	
pH	1900
<b>SM 5210B-16 by Luminescence-based Sensor Procedure (Code: LSP)</b>	20135039
<b>Non-Potable Water (Code: NPW)</b>	
BOD	1530
CBOD	1555
<b>SM 5310B by Total Organic Carbon - Nondispersive Infrared Detector (Code: TOC-IR)</b>	20137831
<b>Non-Potable Water (Code: NPW)</b>	
TOC	2040
<b>Walkley-Black by Titrimetry-Visual Indicator (Code: TITR)</b>	60012002
<b>Solids and Chemical (Code: S)</b>	
TOC	2040
<b>Inorganic</b>	
<b>EPA 1631E by Atomic Fluorescence - Cold Vapor Spectrometer (Code: CVAFS)</b>	10237204
<b>Non-Potable Water (Code: NPW)</b>	
Mercury, Low-Level	1095
<b>EPA 200.7 by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES)</b>	10013806
<b>Non-Potable Water (Code: NPW)</b>	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Phosphorus	1910



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<b>Inorganic</b>	
<b>EPA 200.7 by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES)</b>	10013806
<b>Non-Potable Water (Code: NPW)</b>	
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190
<b>EPA 200.8 by Mass Spectrometry - Inductively Coupled Plasma (Code: ICP-MS)</b>	10014605
<b>Non-Potable Water (Code: NPW)</b>	
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Lead	1075
Manganese	1090
Molybdenum	1100
Nickel	1105
Selenium	1140
Silver	1150
Thallium	1165
Vanadium	1185
Zinc	1190
<b>EPA 245.1 by Atomic Absorption - Cold Vapor Spectrometry (Code: CVAAS)</b>	10036609
<b>Non-Potable Water (Code: NPW)</b>	
Mercury	1095
<b>EPA 300.0 by Ion Chromatography Electroconductivity (Code: IC-COND)</b>	10053200
<b>Non-Potable Water (Code: NPW)</b>	
Chloride	1575
Nitrate	1810



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<b>EPA 300.0 by Ion Chromatography Electroconductivity (Code: IC-COND)</b>	10053200
<b>Non-Potable Water (Code: NPW)</b>	
Nitrite	1840
Sulfate	2000
<b>EPA 6010D by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES)</b>	10155916
<b>Non-Potable Water (Code: NPW)</b>	
Aluminum	1000
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Phosphorus	1910
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190
<b>Solids and Chemical (Code: S)</b>	
Aluminum	1000
Arsenic	1010
Barium	1015
Beryllium	1020



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<b>EPA 6010D by Atomic Emission - Inductively Coupled Plasma Spectrometer (Code: ICP-AES)</b>	10155916
<b>Solids and Chemical (Code: S)</b>	
Boron	1025
Cadmium	1030
Calcium	1035
Chromium	1040
Cobalt	1050
Copper	1055
Iron	1070
Lead	1075
Magnesium	1085
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Sodium	1155
Strontium	1160
Tin	1175
Titanium	1180
Vanadium	1185
Zinc	1190
<b>EPA 6020B by Mass Spectrometry - Inductively Coupled Plasma (Code: ICP-MS)</b>	10156420
<b>Non-Potable Water (Code: NPW)</b>	
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Lead	1075
Manganese	1090
Molybdenum	1100
Nickel	1105
Potassium	1125



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<b>EPA 6020B by Mass Spectrometry - Inductively Coupled Plasma (Code: ICP-MS)</b>	10156420
<b>Non-Potable Water (Code: NPW)</b>	
Selenium	1140
Silver	1150
Thallium	1165
Vanadium	1185
Zinc	1190
<b>Solids and Chemical (Code: S)</b>	
Antimony	1005
Arsenic	1010
Barium	1015
Beryllium	1020
Cadmium	1030
Chromium	1040
Cobalt	1050
Copper	1055
Lead	1075
Manganese	1090
Nickel	1105
Potassium	1125
Selenium	1140
Silver	1150
Thallium	1165
Vanadium	1185
Zinc	1190
<b>EPA 7196A by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: FLUOR)</b>	10162400
<b>Solids and Chemical (Code: S)</b>	
Hexavalent Chromium	1045
<b>EPA 7470A by Atomic Absorption - Cold Vapor Spectrometry (Code: CVAAS)</b>	10165807
<b>Non-Potable Water (Code: NPW)</b>	
Mercury	1095
<b>EPA 7471B by Atomic Absorption - Cold Vapor Spectrometry (Code: CVAAS)</b>	10166402
<b>Solids and Chemical (Code: S)</b>	
Mercury	1095
<b>SM 3500 Cr B by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: FLUOR)</b>	20066277
<b>Non-Potable Water (Code: NPW)</b>	
Hexavalent Chromium	1045



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<b>SM 4500 Cl-D by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: FLUOR)</b>	20085829
<b>Non-Potable Water (Code: NPW)</b>	
Chloride	1575
<b>SM 4500 P-E by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: FLUOR)</b>	20124236
<b>Non-Potable Water (Code: NPW)</b>	
Orthophos	1870
Phosphorus, Total	1910
<b>SM 4500 S2D by Ultraviolet or Visible Molecular Absorption Spectrometer (Code: FLUOR)</b>	20125875
<b>Non-Potable Water (Code: NPW)</b>	
Sulfide	2005
<b>Organic</b>	
<b>EPA 624.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10298121
<b>Non-Potable Water (Code: NPW)</b>	
1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether (2-CEVE)	4500



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<b>EPA 624.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10298121
<b>Non-Potable Water (Code: NPW)</b>	
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Methylnaphthalene	6385
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acrolein (Propenal)	4325
Acrylonitrile	4340
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4390
Bromoform	4400
Bromomethane	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	44575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Diethyl Ether	4725
Di-Isopropylether (DIPE, Propane)	9375
Ethylbenzene	4765
Hexachlorobutadiene	4835
Hexachloroethane	4840
Hexane (as n-Hexane)	4855
Iodomethane (Methyl Iodide)	4870
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960



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### Organic

<b>EPA 624.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10298121
<b>Non-Potable Water (Code: NPW)</b>	
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5240
sec-Butylbenzene	4440
Styrene	5100
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260
<b>EPA 625.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10300024
<b>Non-Potable Water (Code: NPW)</b>	
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
1-Methylnaphthalene	6380
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
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 (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795



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<b>EPA 625.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10300024
<b>Non-Potable Water (Code: NPW)</b>	
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Methylphenol (p-Cresol, as 3,4-Methylphenol)	6410
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Aniline	5545
Anthracene	5555
Benzidine	5595
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)ether	5765
bis(2-Ethylhexy)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905



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<b>EPA 625.1 by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10300024
<b>Non-Potable Water (Code: NPW)</b>	
Diethyl Phthalate	6070
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
di-n-Octyl Phthalate	6200
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodimethylamine	6530
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625
Pyrene	6665
Pyridine	5095
<b>EPA 8015D by Gas Chromatography - Flame Ionization Detector (Code: GC-FID)</b>	10305609
<b>Non-Potable Water (Code: NPW)</b>	
DRO	9369
<b>Solids and Chemical (Code: S)</b>	
DRO	9369
<b>EPA 8081B by Gas Chromatography - Electron Capture Detector (Code: GC-ECD)</b>	10178811
<b>Non-Potable Water (Code: NPW)</b>	
4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDT	7365
Aldrin	7025
alpha-BHC	7110
alpha-Chlordane	7240
beta-BHC	7115



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<b>Organic</b>	
<b>EPA 8081B by Gas Chromatography - Electron Capture Detector (Code: GC-ECD)</b>	10178811
<b>Non-Potable Water (Code: NPW)</b>	
Chlordane (Technical)	7250
delta-BHC	7105
Dieldrin	7470
Endosulfan I	7510
Endosulfan II	7515
Endosulfan Sulfate	7520
Endrin	7540
Endrin Aldehyde	7530
Endrin Ketone	7535
gamma-BHC	7120
Heptachlor	7685
Heptachlor Epoxide	7690
Methoxychlor	7810
Toxaphene	8250
trans-Chlordane (beta-Chlordane, gamma-Chlordane)	7972
<b>Solids and Chemical (Code: S)</b>	
4,4'-DDD	7355
4,4'-DDE	7360
4,4'-DDT	7365
Aldrin	7025
alpha-BHC	7110
alpha-Chlordane	7240
beta-BHC	7115
Chlordane (Technical)	7250
delta-BHC	7105
Dieldrin	7470
Endosulfan I	7510
Endosulfan II	7515
Endosulfan Sulfate	7520
Endrin	7540
Endrin Aldehyde	7530
Endrin Ketone	7535
gamma-BHC	7120
Heptachlor	7685
Heptachlor Epoxide	7690
Methoxychlor	7810



# Certificate of Accreditation: Supplement



## Trace Analytical Laboratories

2241 Black Creek Road, Muskegon, MI 49444  
Contact Name: Alyson Yagiela Phone: 231-773-5998

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

	Code
<b>Organic</b>	
<b>EPA 8081B by Gas Chromatography - Electron Capture Detector (Code: GC-ECD)</b>	10178811
<b>Solids and Chemical (Code: S)</b>	
Toxaphene	8250
trans-Chlordane (beta-Chlordane, gamma-Chlordane)	7972
<b>EPA 8082A by Gas Chromatography - Electron Capture Detector (Code: GC-ECD)</b>	10179358
<b>Non-Potable Water (Code: NPW)</b>	
PCB Aroclor 1016	8880
PCB Aroclor 1221	8885
PCB Aroclor 1232	8890
PCB Aroclor 1242	8895
PCB Aroclor 1248	8900
PCB Aroclor 1254	8905
PCB Aroclor 1260	8910
<b>Solids and Chemical (Code: S)</b>	
PCB Aroclor 1016	8880
PCB Aroclor 1221	8885
PCB Aroclor 1232	8890
PCB Aroclor 1242	8895
PCB Aroclor 1248	8900
PCB Aroclor 1254	8905
PCB Aroclor 1260	8910
<b>EPA 8151A by Gas Chromatography - Electron Capture Detector (Code: GC-FID)</b>	10183207
<b>Non-Potable Water (Code: NPW)</b>	
2,4,5-T	8655
2,4,5-TP (Silvex)	8650
2,4-D	8545
<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Non-Potable Water (Code: NPW)</b>	
1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150



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<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Non-Potable Water (Code: NPW)</b>	
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl Vinyl Ether (2-CEVE)	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
2-Methylnaphthalene	6385
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acrolein (Propenal)	4325
Acrylonitrile	4340
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4390
Bromoform	4400
Bromomethane	4950
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethan)	44575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505



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<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Non-Potable Water (Code: NPW)</b>	
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Diethyl Ether	4725
Di-Isopropylether (DIPE, Propane)	9375
Ethylbenzene	4765
Hexachlorobutadiene	4835
Hexachloroethane	4840
Hexane (as n-Hexane)	4855
Iodomethane (Methyl Iodide)	4870
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5240
sec-Butylbenzene	4440
Styrene	5100
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Tetrahydrofuran (THF)	5120
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
trans-1,4-Dichloro-2-Butene	4605
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235
Xylenes (Total)	5260



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<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Solids and Chemical (Code: S)</b>	
1,1,1,2-Tetrachloroethane	5105
1,1,1-Trichloroethane	5160
1,1,2,2-Tetrachloroethane	5110
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane, Freon 113)	5185
1,1,2-Trichloroethane	5165
1,1-Dichloroethane	4630
1,1-Dichloroethylene	4640
1,1-Dichloropropene	4670
1,2,3-Trichlorobenzene	5150
1,2,3-Trichloropropane (TCP)	5180
1,2,4-Trichlorobenzene	5155
1,2,4-Trimethylbenzene	5210
1,2-Dibromo-3-Chloropropane (DBCP)	4570
1,2-Dibromoethane (EDB, Ethylene Dibromide)	4585
1,2-Dichlorobenzene	4610
1,2-Dichloroethane (Ethylene Dichloride, EDC)	4635
1,2-Dichloropropane	4655
1,3,5-Trimethylbenzene	5215
1,3-Dichlorobenzene (1,3-DCB)	4615
1,3-Dichloropropane	4660
1,4-Dichlorobenzene	4620
2,2-Dichloropropane	4665
2-Butanone (Methyl Ethyl Ketone, MEK)	4410
2-Chloroethyl vinyl ether	4500
2-Chlorotoluene	4535
2-Hexanone (Methyl Butyl Ketone, MBK)	4860
4-Chlorotoluene (p-Chlorotoluene)	4540
4-Isopropyltoluene (p-Isopropyltoluene, p-Cymene)	4910
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone (MIBK), Hexone)	4995
Acetone	4315
Acrolein (Propenal)	4325
Acrylonitrile	4340
Benzene	4375
Bromobenzene	4385
Bromochloromethane	4390
Bromodichloromethane	4395



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### Organic

<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Solids and Chemical (Code: S)</b>	
Bromoform	4400
Carbon Disulfide	4450
Carbon Tetrachloride	4455
Chlorobenzene	4475
Chlorodibromomethane (Dibromochloromethane)	4575
Chloroethane (Ethyl Chloride)	4485
Chloroform	4505
cis-1,2-Dichloroethylene	4645
cis-1,3-Dichloropropene	4680
Dibromomethane (Methylene Bromide)	4595
Dichlorodifluoromethane (Freon 12)	4625
Di-Isopropylether (DIPE, Propane)	9375
Ethylbenzene	4965
Hexachlorobutadiene	4835
Hexachloroethane	4840
Isopropylbenzene (Cumene)	4900
m,p-Xylene	5240
Methyl Bromide (Bromomethane)	4950
Methyl Chloride (Chloromethane)	4960
Methyl tert Butyl Ether (MTBE)	5000
Methylene Chloride (Dichloromethane)	4975
Naphthalene	5005
n-Butylbenzene	4435
n-Propylbenzene (1-phenylpropane)	5090
o-Xylene (1,2-Xylene)	5250
sec-Butylbenzene	4440
Styrene	5100
tert-Butylbenzene	4445
Tetrachloroethylene (Perchloroethylene, PCE)	5115
Toluene	5140
trans-1,2-Dichloroethylene	4700
trans-1,3-Dichloropropylene	4685
Trichloroethene (TCE, Trichloroethylene)	5170
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175
Vinyl Acetate	5225
Vinyl Chloride (Chloroethene)	5235



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<b>EPA 8260D by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10307127
<b>Solids and Chemical (Code: S)</b>	
Xylenes (Total)	5260
<b>EPA 8270E by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10242543
<b>Non-Potable Water (Code: NPW)</b>	
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
1-Methylnaphthalene	6380
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
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 (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Methylphenol (p-Cresol, as 3,4-Methylphenol)	6410
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Aniline	5545



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<b>Organic</b>	
<b>EPA 8270E by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10242543
<b>Non-Potable Water (Code: NPW)</b>	
Anthracene	5555
Benzidine	5595
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)ether	5765
bis(2-Ethylhexy)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
di-n-Octyl Phthalate	6200
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodimethylamine	6530
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorophenol (PCP)	6605
Phenanthrene	6615



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<b>Non-Potable Water (Code: NPW)</b>	
Phenol	6625
Pyrene	6665
Pyridine	5095
<b>Solids and Chemical (Code: S)</b>	
1,2,4-Trichlorobenzene	5155
1,2-Dichlorobenzene	4610
1,3-Dichlorobenzene (1,3-DCB)	4615
1,4-Dichlorobenzene	4620
2,2'-Oxybis(1-Chloropropane) (was bis(2-Chloroisopropyl)ether)	4659
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 (2,4-DNT)	6185
2,6-Dinitrotoluene (2,6-DNT)	6190
2-Chloronaphthalene	5795
2-Chlorophenol	5800
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-2-Methylphenol)	6360
2-Methylnaphthalene	6385
2-Methylphenol (o-Cresol)	6400
2-Nitroaniline	6460
2-Nitrophenol	6490
3,3'-Dichlorobenzidine	5945
3+4-Methylphenol (m+p Cresol)	6412
3-Nitroaniline	6465
4-Bromophenyl Phenyl Ether (BDE-3)	5660
4-Chloro-3-Methylphenol	5700
4-Chloroaniline	5745
4-Chlorophenyl Phenylether	5825
4-Methylphenol (p-Cresol, as 3,4-Methylphenol)	6410
4-Nitroaniline	6470
4-Nitrophenol	6500
Acenaphthene	5500
Acenaphthylene	5505
Aniline	5545



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<b>EPA 8270E by Gas Chromatography - Mass Spectrometer (Code: GC-MS)</b>	10242543
<b>Solids and Chemical (Code: S)</b>	
Anthracene	5555
Benzo(a)Anthracene	5575
Benzo(a)Pyrene	5580
Benzo(b)Fluoranthene	5585
Benzo(g,h,i)Perylene	5590
Benzo(k)Fluoranthene	5600
Benzoic Acid	5610
Benzyl Alcohol	5630
bis(2-Chloroethoxy)Methane	5760
bis(2-Chloroethyl)ether	5765
bis(2-Ethylhexy)Phthalate (DEHP, as di(2-ethylhexyl) phthalate)	6065
Butyl Benzyl Phthalate	5670
Carbazole	5680
Chrysene	5855
Dibenz(a,h)Anthracene	5895
Dibenzofuran	5905
Diethyl Phthalate	6070
Dimethyl Phthalate	6135
di-n-Butyl Phthalate	5925
di-n-Octyl Phthalate	6200
Fluoranthene	6265
Fluorene	6270
Hexachlorobenzene	6275
Hexachlorobutadiene	4835
Hexachlorocyclopentadiene	6285
Hexachloroethane	4840
Indeno(1,2,3,cd)Pyrene	6315
Isophorone	6320
Naphthalene	5005
Nitrobenzene	5015
n-Nitrosodimethylamine	6530
n-Nitrosodi-n-Propylamine	6545
n-Nitrosodiphenylamine	6535
Pentachlorophenol (PCP)	6605
Phenanthrene	6615
Phenol	6625



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<b>Solids and Chemical (Code: S)</b>	
Pyrene	6665
Pyridine	5095
<b>EPA RSK-175 by Gas Chromatography - Flame Ionization Detector (Code: GC-FID)</b>	10212905
<b>Non-Potable Water (Code: NPW)</b>	
Dissolved Gases (Ethane)	4747
Dissolved Gases (Ethene)	4752
Dissolved Gases (Methane)	4926
<b>Preparation</b>	
<b>Non-Potable Water</b>	
EPA 1311	TCLP
EPA 1312	SPLP
EPA 200.2	Metals Digestion
EPA 3015A	Metals Digestion
EPA 3510C	Liquid-Liquid Extraction
EPA 3580A	Waste Dilution Extraction for Extractable Organics
EPA 3630C	Silica Gel Clean Up
EPA 3660B	Sulfur Cleanup
EPA 5030C	Purge-and-Trap for Volatile Organics in Aqueous Samples
EPA 9010C	Cyanide (Total and Amenable) Distillation
<b>Solids and Chemical</b>	
EPA 1311	TCLP
EPA 1312	SPLP
EPA 3051A	Metals Digestion
EPA 3060A	Alkaline Digestion (Hexavalent Chromium)
EPA 3546	Microwave Extraction (Organics)
EPA 3550C	Ultrasonic Extraction
EPA 3580A	Waste Dilution Extraction for Extractable Organics
EPA 3630C	Silica Gel Clean Up
EPA 3660B	Sulfur Cleanup
EPA 5035A	Purge-and-Trap and Extraction For Volatile Organics (Closed-System)
EPA 9010C	Cyanide (Total and Amenable) Distillation

Footnotes: