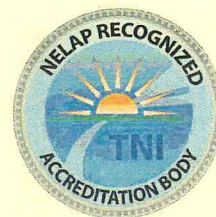




OREGON

Environmental Laboratory Accreditation Program



ACZ Laboratories, Inc.

NELAP Recognized

CO200002

2773 Downhill Drive

Steamboat Springs, CO 80487

IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM
ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

<i>Air</i>	<i>Drinking Water</i>	<i>Non Potable Water</i>	<i>Solids and Chem. Waste</i>	<i>Tissue</i>
	Chemistry	Chemistry	Chemistry	Chemistry
	Radiochemistry	Radiochemistry	Radiochemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL
TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE
AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE
PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION
STATUS IN OREGON.

Travis Bartholomew
Oregon State Public Health Laboratory
ORELAP Program Manager
7202 NE Evergreen Parkway, Suite 100
Hillsboro, OR 97124

EFFECTIVE DATE : 02/10/2020

EXPIRATION DATE : 02/9/2021

Certificate No : CO200002 - 011





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Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

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EPA CODE: CO00028

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MATRIX	Reference	Code	Analyte	Code	Description
--------	-----------	------	---------	------	-------------

Biological Tissue

EPA 6010D 4

10155916

Metals by ICP - AES

1000 Aluminum
1005 Antimony
1010 Arsenic
1015 Barium
1020 Beryllium
1025 Boron
1030 Cadmium
1035 Calcium
1040 Chromium
1050 Cobalt
1055 Copper
1760 Hardness (calc.)
1070 Iron
1075 Lead
1080 Lithium
1085 Magnesium
1090 Manganese
1100 Molybdenum
1105 Nickel
1125 Potassium
1140 Selenium
1990 Silica as SiO₂
1150 Silver
1155 Sodium
1160 Strontium
1165 Thallium
1175 Tin
1180 Titanium
1185 Vanadium
1190 Zinc

EPA 6020B 2

10156420

Inductively Coupled Plasma-Mass Spectrometry

1000 Aluminum
1005 Antimony
1010 Arsenic
1015 Barium
1020 Beryllium
1030 Cadmium
1040 Chromium



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Biological Tissue

EPA 6020B 2	1050	Cobalt
	1055	Copper
	1075	Lead
	1090	Manganese
	1100	Molybdenum
	1105	Nickel
	1140	Selenium
	1150	Silver
	1165	Thallium
	3035	Uranium
	1185	Vanadium
	1190	Zinc

Drinking Water

ASTM D6888 04	30033126	Available Cyanide with FIA and Amperometric Detection
	1510	Amenable cyanide
EPA 180.1 2	10011800	Turbidity - Nephelometric
	2055	Turbidity
EPA 200.7 5	10014003	ICP - metals
	1000	Aluminum
	1035	Calcium
	1070	Iron
	1085	Magnesium
	1090	Manganese
	1990	Silica as SiO ₂
	1155	Sodium
	1160	Strontium
	1190	Zinc
EPA 200.8 5.5	10014809	Metals by ICP-MS
	1005	Antimony
	1010	Arsenic
	1015	Barium
	1020	Beryllium
	1030	Cadmium
	1040	Chromium
	1055	Copper
	1075	Lead
	1105	Nickel
	1140	Selenium
	1150	Silver
	1165	Thallium
	3035	Uranium



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Drinking Water

EPA 245.1 3	10036609	Mercury by Cold Vapor Atomic Absorption
1095 Mercury		
EPA 300.0 2.1	10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
1540 Bromide		
1575 Chloride		
1730 Fluoride		
2000 Sulfate		
EPA 335.4 EPA 335.4	10061402	Methods for the Determination of Inorganic Substances in Environmental Samples
1635 Cyanide		
EPA 353.2 2	10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
1810 Nitrate as N		
1820 Nitrate plus nitrite as N		
1840 Nitrite as N		
EPA 900.0 (GPC)	10242601	Gross Alpha and Gross Beta Radioactivity
2830 Gross-alpha		
2840 Gross-beta		
EPA 903.0 (GPC)	10244005	Alpha-Emitting Isotopes
2965 Radium-226		
EPA 903.1 (SC)	10309601	Radium-226 Radon Emanation Technique
2965 Radium-226		
EPA 904.0	10309805	Radium-228
2970 Radium-228		
SM 2320 B-2011 online	20045618	Alkalinity as CaCO ₃
1505 Alkalinity as CaCO ₃		
SM 2340 B-97 SM 2340 B-97	20046600	Hardness by calculation
1755 Total hardness as CaCO ₃		
SM 2510 B-2011	20048617	Conductivity by Probe
1610 Conductivity		
SM 2510 B-97 SM 2510 B-97	20048606	Conductivity by Probe
1610 Conductivity		
SM 2540 C-2011 SM 2540 C-2011	20050413	Residue-filterable (TDS)
1955 Residue-filterable (TDS)		
SM 2540 C-97 SM 2540 C-97	20050402	Total Dissolved Solids Dried at 180C
1955 Residue-filterable (TDS)		



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Drinking Water

SM 4500-F ⁻ C-2011 online	20102414	Fluoride by Ion Selective Electrode
1730 Fluoride		
SM 4500-F ⁻ C-97 online	20102403	Fluoride by Ion-Selective Electrode Method
1730 Fluoride		
SM 4500-H ⁺ B-2011 SM 4500-H ⁺ B-2011	20105220	pH - Electrometric Measurement
1900 pH		
SM 4500-H ⁺ B-96 online	20105208	pH Value by Electrometric Method .
1900 pH		
SM 5310 B-2011 2011	20137820	TOC by High-Temperature Combustion Method
2040 Total organic carbon		
SM 5310 B-96 online	20137808	TOC by High-Temperature Combustion Method
2040 Total organic carbon		

Non-Potable Water

ASTM D516-02 2002	30002212	Sulfate Ion in Water
2000 Sulfate		
ASTM D516-07 ASTM D516-07	30002234	Sulfate Ion in Water
2000 Sulfate		
ASTM D6888 04	30033126	Available Cyanide with FIA and Amperometric Detection
1510 Amenable cyanide		
ASTM D6888 09	30033148	Cyanide Amenable to Chlorination
1510 Amenable cyanide		
ASTM D7065-06	30032918	Nonylphenol by GC/MS
6513 4-Nonylphenol		
9466 4-Nonylphenol diethoxylate		
9592 Nonyl phenol monoethoxylate		
ASTM D7511-09 ASTM D7511-09	30032985	Total Cyanide by Segmented Flow Injection: In-line UV Digestion & Ampermetric Detection
1645 Total cyanide		
EPA 1010A	10234807	Pensky-Martens Closed-Cup Method for Determining Ignitability
1780 Ignitability		
EPA 1311	10118806	Toxicity Characteristic Leaching Procedure
9822 Extraction/Preparation		
EPA 1312	10119003	Synthetic Precipitation Leaching Procedure
9822 Extraction/Preparation		



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Non-Potable Water

EPA 160.4 EPA 160.4	10010409	Total Volatile Solids, ignition @ 550 C.
1970 Residue-volatile		
EPA 1631E	10237204	Mercury in Water by Oxidation, Purge & Trap, and Cold Vapor Atomic Fluorescence
1095 Mercury		
EPA 1664A (HEM)	10127807	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
1860 Oil & Grease		
EPA 1664B	10261617	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
1803 n-Hexane Extractable Material (O&G)		
EPA 1664B (SGT-HEM)	10260628	Silica Gel Treated n-Hexane Extractable Material (Oil & Grease)
1803 n-Hexane Extractable Material (O&G)		
EPA 180.1 2	10011800	Turbidity - Nephelometric
2055 Turbidity		
EPA 200.7 5	10014003	ICP - metals
1000 Aluminum		
1005 Antimony		
1010 Arsenic		
1015 Barium		
1020 Beryllium		
1025 Boron		
1030 Cadmium		
1035 Calcium		
1040 Chromium		
1050 Cobalt		
1055 Copper		
1070 Iron		
1075 Lead		
1080 Lithium		
1085 Magnesium		
1090 Manganese		
1100 Molybdenum		
1105 Nickel		
1910 Phosphorus, total		
1125 Potassium		
1140 Selenium		
1990 Silica as SiO2		
1150 Silver		
1155 Sodium		
1160 Strontium		
1175 Tin		



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Non-Potable Water

EPA 200.7 5	1180	Titanium	
	1185	Vanadium	
	1190	Zinc	
EPA 200.8 5.5			10014809 Metals by ICP-MS
	1000	Aluminum	
	1005	Antimony	
	1010	Arsenic	
	1015	Barium	
	1020	Beryllium	
	1030	Cadmium	
	1040	Chromium	
	1050	Cobalt	
	1055	Copper	
	1075	Lead	
	1090	Manganese	
	1095	Mercury	
	1100	Molybdenum	
	1105	Nickel	
	1140	Selenium	
	1150	Silver	
	1165	Thallium	
	1170	Thorium	
	3035	Uranium	
	1185	Vanadium	
	1190	Zinc	
EPA 245.1 3			10036609 Mercury by Cold Vapor Atomic Absorption
	1095	Mercury	
EPA 300.0 2.1			10053200 Methods for the Determination of Inorganic Substances in Environmental Samples
	1540	Bromide	
	1575	Chloride	
	1730	Fluoride	
	2000	Sulfate	
EPA 3005A			10133207 Acid Digestion of waters for Total Recoverable or Dissolved Metals
	9822	Extraction/Preparation	
EPA 3010A			10133605 Acid Digestion of Aqueous samples and Extracts for Total Metals
	9822	Extraction/Preparation	
EPA 335.4 EPA 335.4			10061402 Methods for the Determination of Inorganic Substances in Environmental Samples
	1645	Total cyanide	



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Non-Potable Water

EPA 350.1 2		10063602	Ammonia Nitrogen - Colorimetric, Auto Phenate
	1515 Ammonia as N		
EPA 351.2 2		10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate
	1790 Kjeldahl nitrogen		
EPA 3510C		10138202	Separatory Funnel Liquid-liquid extraction
	9822 Extraction/Preparation		
EPA 3511		10279808	Organic Compounds in Water by Microextraction
	8031 Extraction/Preparation		
EPA 3520C		10139001	Continuous Liquid-liquid extraction
	9822 Extraction/Preparation		
EPA 353.2 2		10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
	1810 Nitrate as N		
	1820 Nitrate plus nitrite as N		
	1840 Nitrite as N		
EPA 3630C		10146802	Silica gel cleanup
	8031 Extraction/Preparation		
EPA 365.1 2		10070005	Phosphorous - Colorimetric, Automated persulfate
	1870 Orthophosphate as P		
	1910 Phosphorus, total		
EPA 410.4 2		10077404	Chemical Oxygen Demand - Colorimetric, Automated.
	1565 Chemical oxygen demand		
EPA 420.4 EPA 420.4		10080203	Phenolics, Total Recoverable by Semi-Automated Colorimetry
	1905 Total phenolics		
EPA 5030C		10284603	Purge-and-Trap for Aqueous Samples
	8031 Extraction/Preparation		
EPA 6010D 4		10155916	Metals by ICP - AES
	1000 Aluminum		
	1005 Antimony		
	1010 Arsenic		
	1015 Barium		
	1020 Beryllium		
	1025 Boron		
	1030 Cadmium		
	1035 Calcium		
	1040 Chromium		
	1050 Cobalt		



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Non-Potable Water

EPA 6010D 4

1055 Copper
1760 Hardness (calc.)
1070 Iron
1075 Lead
1080 Lithium
1085 Magnesium
1090 Manganese
1100 Molybdenum
1105 Nickel
1125 Potassium
1140 Selenium
1990 Silica as SiO₂
1150 Silver
1155 Sodium
1160 Strontium
1165 Thallium
1175 Tin
1180 Titanium
1185 Vanadium
1190 Zinc

EPA 6020B 2

10156420

Inductively Coupled Plasma-Mass Spectrometry

1000 Aluminum
1005 Antimony
1010 Arsenic
1015 Barium
1020 Beryllium
1030 Cadmium
1040 Chromium
1050 Cobalt
1055 Copper
1075 Lead
1090 Manganese
1100 Molybdenum
1105 Nickel
1140 Selenium
1150 Silver
1165 Thallium
3035 Uranium
1185 Vanadium
1190 Zinc

EPA 608.3 GC-ECD

10296614

Organochlorine Pesticides and PCBs by GC/ECD

7355 4,4'-DDD



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Non-Potable Water

EPA 608.3 GC-ECD	7360	4,4'-DDE
	7365	4,4'-DDT
	7025	Aldrin
	7110	alpha-BHC (alpha-Hexachlorocyclohexane)
	8880	Aroclor-1016 (PCB-1016)
	8885	Aroclor-1221 (PCB-1221)
	8890	Aroclor-1232 (PCB-1232)
	8895	Aroclor-1242 (PCB-1242)
	8900	Aroclor-1248 (PCB-1248)
	8905	Aroclor-1254 (PCB-1254)
	8910	Aroclor-1260 (PCB-1260)
	7115	beta-BHC (beta-Hexachlorocyclohexane)
	7240	cis-chlordane (alpha-Chlordane)
	7105	delta-BHC
	7470	Dieldrin
	7510	Endosulfan I
	7515	Endosulfan II
	7520	Endosulfan sulfate
	7540	Endrin
	7530	Endrin aldehyde
	7535	Endrin ketone
	7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
	7685	Heptachlor
	7690	Heptachlor epoxide
	7810	Methoxychlor
	7245	trans-chlordane (gamma-Chlordane)

EPA 624.1

10298121

Purgeables by GC/MS

5105	1,1,1,2-Tetrachloroethane
5160	1,1,1-Trichloroethane
5110	1,1,2,2-Tetrachloroethane
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
5165	1,1,2-Trichloroethane
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
4670	1,1-Dichloropropene
5150	1,2,3-Trichlorobenzene
5180	1,2,3-Trichloropropane
5182	1,2,3-Trimethylbenzene
5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene



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Non-Potable Water

EPA 624.1

- | | |
|------|--|
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) |
| 4610 | 1,2-Dichlorobenzene |
| 4635 | 1,2-Dichloroethane (Ethylene dichloride) |
| 4655 | 1,2-Dichloropropane |
| 5215 | 1,3,5-Trimethylbenzene |
| 4615 | 1,3-Dichlorobenzene |
| 4660 | 1,3-Dichloropropane |
| 4620 | 1,4-Dichlorobenzene |
| 4735 | 1,4-Dioxane (1,4- Diethyleneoxide) |
| 4510 | 1-Chlorohexane |
| 4665 | 2,2-Dichloropropane |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) |
| 4500 | 2-Chloroethyl vinyl ether |
| 4535 | 2-Chlorotoluene |
| 4860 | 2-Hexanone (MBK) |
| 5712 | 4-Chloro-2-nitrophenol |
| 4540 | 4-Chlorotoluene |
| 4910 | 4-Isopropyltoluene (p-Cymene) |
| 4995 | 4-Methyl-2-pentanone (MIBK) |
| 4315 | Acetone |
| 4320 | Acetonitrile |
| 4325 | Acrolein (Propenal) |
| 4340 | Acrylonitrile |
| 4355 | Allyl chloride (3-Chloropropene) |
| 4375 | Benzene |
| 4385 | Bromobenzene |
| 4390 | Bromochloromethane |
| 4395 | Bromodichloromethane |
| 4400 | Bromoform |
| 4450 | Carbon disulfide |
| 4455 | Carbon tetrachloride |
| 4475 | Chlorobenzene |
| 4575 | Chlorodibromomethane |
| 4485 | Chloroethane (Ethyl chloride) |
| 4505 | Chloroform |
| 4525 | Chloroprene (2-Chloro-1,3-butadiene) |
| 4645 | cis-1,2-Dichloroethylene |
| 4680 | cis-1,3-Dichloropropene |
| 4555 | Cyclohexane |
| 4595 | Dibromomethane (Methylene bromide) |
| 4625 | Dichlorodifluoromethane (Freon-12) |
| 4627 | Dichlorofluoromethane (Freon 21) |
| 4725 | Diethyl ether |



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Non-Potable Water

EPA 624.1

9375 Di-isopropylether (DIPE)
4755 Ethyl acetate
4765 Ethylbenzene
4835 Hexachlorobutadiene
4870 Iodomethane (Methyl iodide)
4900 Isopropylbenzene (Cumene)
5240 m+p-xylene
4950 Methyl bromide (Bromomethane)
4960 Methyl chloride (Chloromethane)
5000 Methyl tert-butyl ether (MTBE)
4975 Methylene chloride (Dichloromethane)
5245 m-Xylene
5005 Naphthalene
4435 n-Butylbenzene
4855 n-Hexane
5090 n-Propylbenzene
5250 o-Xylene
5255 p-Xylene
4440 sec-Butylbenzene
5100 Styrene
4445 tert-Butylbenzene
5115 Tetrachloroethylene (Perchloroethylene)
5140 Toluene
4700 trans-1,2-Dichloroethylene
4685 trans-1,3-Dichloropropylene
4605 trans-1,4-Dichloro-2-butene
5170 Trichloroethene (Trichloroethylene)
5175 Trichlorofluoromethane
(Fluorotrichloromethane, Freon 11)
5225 Vinyl acetate
5235 Vinyl chloride
5260 Xylene (total)

EPA 625.1

10300024

Base/Neutrals and Acids by GC/MS

5155 1,2,4-Trichlorobenzene
4610 1,2-Dichlorobenzene
4615 1,3-Dichlorobenzene
4620 1,4-Dichlorobenzene
4735 1,4-Dioxane (1,4- Diethyleneoxide)
6380 1-Methylnaphthalene
4659 2,2-Oxybis(1-chloropropane)
6735 2,3,4,6-Tetrachlorophenol
6835 2,4,5-Trichlorophenol
6840 2,4,6-Trichlorophenol



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EPA 625.1

6000	2,4-Dichlorophenol
6130	2,4-Dimethylphenol
6175	2,4-Dinitrophenol
6185	2,4-Dinitrotoluene (2,4-DNT)
6190	2,6-Dinitrotoluene (2,6-DNT)
5795	2-Chloronaphthalene
5800	2-Chlorophenol
6360	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)
6385	2-Methylnaphthalene
6400	2-Methylphenol (o-Cresol)
6460	2-Nitroaniline
6490	2-Nitrophenol
5945	3,3'-Dichlorobenzidine
6405	3-Methylphenol (m-Cresol)
6465	3-Nitroaniline
5660	4-Bromophenyl phenyl ether (BDE-3)
5700	4-Chloro-3-methylphenol
5745	4-Chloroaniline
5825	4-Chlorophenyl phenylether
6410	4-Methylphenol (p-Cresol)
6470	4-Nitroaniline
6500	4-Nitrophenol
5500	Acenaphthene
5505	Acenaphthylene
6700	alpha-Terpineol
5545	Aniline
5555	Anthracene
5562	Azobenzene
5595	Benzidine
5575	Benzo(a)anthracene
5580	Benzo(a)pyrene
5590	Benzo(g,h,i)perylene
5600	Benzo(k)fluoranthene
5585	Benzo[b]fluoranthene
5610	Benzoic acid
5630	Benzyl alcohol
5760	bis(2-Chloroethoxy)methane
5765	bis(2-Chloroethyl) ether
6062	bis(2-Ethylhexyl)adipate
5670	Butyl benzyl phthalate
5680	Carbazole
5855	Chrysene
5895	Dibenz(a,h) anthracene



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Non-Potable Water

EPA 625.1	5905	Dibenzofuran	
	6070	Diethyl phthalate	
	6135	Dimethyl phthalate	
	5925	Di-n-butyl phthalate	
	6200	Di-n-octyl phthalate	
	6265	Fluoranthene	
	6270	Fluorene	
	6275	Hexachlorobenzene	
	4835	Hexachlorobutadiene	
	6285	Hexachlorocyclopentadiene	
	4840	Hexachloroethane	
	6315	Indeno(1,2,3-cd) pyrene	
	6320	Isophorone	
	5005	Naphthalene	
	5015	Nitrobenzene	
	6530	n-Nitrosodimethylamine	
	5025	n-Nitroso-di-n-butylamine	
	6545	n-Nitrosodi-n-propylamine	
	6535	n-Nitrosodiphenylamine	
	6605	Pentachlorophenol	
	6615	Phenanthrene	
	6625	Phenol	
	6665	Pyrene	
	5095	Pyridine	
EPA 7196A			10162400 Chromium Hexavalent colorimetric
	1045	Chromium VI	
EPA 7470A			10165807 Mercury in Liquid Waste by Cold Vapor Atomic Absorption
	1095	Mercury	
EPA 8015D			10305609 Nonhalogenated Organics Using GC/FID
	9369	Diesel range organics (DRO)	
	9408	Gasoline range organics (GRO)	
EPA 8021B			10174808 Aromatic and Halogenated Volatiles by GC with PID and/or ECD Purge & Trap
	4375	Benzene	
	4765	Ethylbenzene	
	5240	m+p-xylene	
	5245	m-Xylene	
	5250	o-Xylene	
	5255	p-Xylene	
	5140	Toluene	
	5260	Xylene (total)	



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Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

EPA 8081B

10178800

Organochlorine Pesticides by GC/ECD

7355 4,4'-DDD
7360 4,4'-DDE
7365 4,4'-DDT
7025 Aldrin
7110 alpha-BHC (alpha-Hexachlorocyclohexane)
7115 beta-BHC (beta-Hexachlorocyclohexane)
7240 cis-chlordane (alpha-Chlordane)
7105 delta-BHC
7470 Dieldrin
7510 Endosulfan I
7515 Endosulfan II
7520 Endosulfan sulfate
7540 Endrin
7530 Endrin aldehyde
7535 Endrin ketone
7120 gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
7685 Heptachlor
7690 Heptachlor epoxide
7810 Methoxychlor
7245 trans-chlordane (gamma-Chlordane)

EPA 8082A

10179201

Polychlorinated Biphenyls (PCBs) by GC/ECD

8880 Aroclor-1016 (PCB-1016)
8885 Aroclor-1221 (PCB-1221)
8890 Aroclor-1232 (PCB-1232)
8895 Aroclor-1242 (PCB-1242)
8900 Aroclor-1248 (PCB-1248)
8905 Aroclor-1254 (PCB-1254)
8910 Aroclor-1260 (PCB-1260)

EPA 8260D

10307127

Volatile Organic Compounds By GC/MS

5105 1,1,1,2-Tetrachloroethane
5160 1,1,1-Trichloroethane
5185 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
5165 1,1,2-Trichloroethane
4630 1,1-Dichloroethane
4640 1,1-Dichloroethylene
4670 1,1-Dichloropropene
5150 1,2,3-Trichlorobenzene
5180 1,2,3-Trichloropropane



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

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Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

EPA 8260D

5155	1,2,4-Trichlorobenzene
5210	1,2,4-Trimethylbenzene
4570	1,2-Dibromo-3-chloropropane (DBCP)
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)
4610	1,2-Dichlorobenzene
4635	1,2-Dichloroethane (Ethylene dichloride)
4655	1,2-Dichloropropane
5215	1,3,5-Trimethylbenzene
4615	1,3-Dichlorobenzene
4660	1,3-Dichloropropane
4620	1,4-Dichlorobenzene
4735	1,4-Dioxane (1,4- Diethyleneoxide)
4510	1-Chlorohexane
4665	2,2-Dichloropropane
4410	2-Butanone (Methyl ethyl ketone, MEK)
4500	2-Chloroethyl vinyl ether
4535	2-Chlorotoluene
4860	2-Hexanone (MBK)
4540	4-Chlorotoluene
4910	4-Isopropyltoluene (p-Cymene)
4995	4-Methyl-2-pentanone (MIBK)
4315	Acetone
4320	Acetonitrile
4325	Acrolein (Propenal)
4340	Acrylonitrile
4375	Benzene
4385	Bromobenzene
4390	Bromochloromethane
4395	Bromodichloromethane
4400	Bromoform
4450	Carbon disulfide
4455	Carbon tetrachloride
4475	Chlorobenzene
4575	Chlorodibromomethane
4485	Chloroethane (Ethyl chloride)
4505	Chloroform
4645	cis-1,2-Dichloroethylene
4680	cis-1,3-Dichloropropene
4595	Dibromomethane (Methylene bromide)
4625	Dichlorodifluoromethane (Freon-12)
4765	Ethylbenzene
4835	Hexachlorobutadiene
4900	Isopropylbenzene (Cumene)



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

EPA 8260D

5240 m+p-xylene
4950 Methyl bromide (Bromomethane)
4960 Methyl chloride (Chloromethane)
5000 Methyl tert-butyl ether (MTBE)
4975 Methylene chloride (Dichloromethane)
5245 m-Xylene
5005 Naphthalene
4435 n-Butylbenzene
4855 n-Hexane
5090 n-Propylbenzene
5250 o-Xylene
5255 p-Xylene
4440 sec-Butylbenzene
5100 Styrene
4445 tert-Butylbenzene
5115 Tetrachloroethylene (Perchloroethylene)
5140 Toluene
4700 trans-1,2-Dichloroethylene
4685 trans-1,3-Dichloropropylene
4605 trans-1,4-Dichloro-2-butene
5170 Trichloroethene (Trichloroethylene)
5175 Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)
5225 Vinyl acetate
5235 Vinyl chloride
5260 Xylene (total)

EPA 8270E

10242543

Semivolatile Organic compounds by GC/MS

5155 1,2,4-Trichlorobenzene
4610 1,2-Dichlorobenzene
4615 1,3-Dichlorobenzene
4620 1,4-Dichlorobenzene
6835 2,4,5-Trichlorophenol
6840 2,4,6-Trichlorophenol
6000 2,4-Dichlorophenol
6130 2,4-Dimethylphenol
6175 2,4-Dinitrophenol
6185 2,4-Dinitrotoluene (2,4-DNT)
6190 2,6-Dinitrotoluene (2,6-DNT)
5795 2-Chloronaphthalene
5800 2-Chlorophenol
6360 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)
6385 2-Methylnaphthalene



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

EPA 8270E

6400	2-Methylphenol (o-Cresol)
6460	2-Nitroaniline
6490	2-Nitrophenol
6412	3 & 4 Methylphenol
5945	3,3'-Dichlorobenzidine
6465	3-Nitroaniline
5660	4-Bromophenyl phenyl ether (BDE-3)
5700	4-Chloro-3-methylphenol
5745	4-Chloroaniline
5825	4-Chlorophenyl phenylether
6410	4-Methylphenol (p-Cresol)
6470	4-Nitroaniline
6500	4-Nitrophenol
5500	Acenaphthene
5505	Acenaphthylene
5555	Anthracene
5562	Azobenzene
5575	Benzo(a)anthracene
5580	Benzo(a)pyrene
5590	Benzo(g,h,i)perylene
5600	Benzo(k)fluoranthene
5585	Benzo[b]fluoranthene
5610	Benzoic acid
5630	Benzyl alcohol
5760	bis(2-Chloroethoxy)methane
5765	bis(2-Chloroethyl) ether
5780	bis(2-Chloroisopropyl) ether
5670	Butyl benzyl phthalate
5855	Chrysene
5895	Dibenz(a,h) anthracene
5905	Dibenzofuran
6070	Diethyl phthalate
6135	Dimethyl phthalate
5925	Di-n-butyl phthalate
6200	Di-n-octyl phthalate
6265	Fluoranthene
6275	Hexachlorobenzene
4835	Hexachlorobutadiene
6285	Hexachlorocyclopentadiene
4840	Hexachloroethane
6315	Indeno(1,2,3-cd) pyrene
6320	Isophorone
5005	Naphthalene



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

EPA 8270E	5015	Nitrobenzene		
	6530	n-Nitrosodimethylamine		
	6545	n-Nitrosodi-n-propylamine		
	6535	n-Nitrosodiphenylamine		
	6605	Pentachlorophenol		
	6615	Phenanthrene		
	6625	Phenol		
	6665	Pyrene		
	5095	Pyridine		
EPA 900.0 (GPC)			10242601	Gross Alpha and Gross Beta Radioactivity
	2830	Gross-alpha		
	2840	Gross-beta		
EPA 901.1			10112808	Gamma Emitting Radionuclides
	2800	Cesium-134		
	2805	Cesium-137		
EPA 9012B			10243206	Total and Amenable Cyanide (automated colorimetric with off-line distillation)
	1645	Total cyanide		
EPA 903.0 (GPC)			10244005	Alpha-Emitting Isotopes
	2965	Radium-226		
EPA 903.1 (SC)			10309601	Radium-226 Radon Emanation Technique
	2965	Radium-226		
EPA 904.0			10309805	Radium-228
	2970	Radium-228		
EPA 9040C			10244403	pH Electrometric Measurement
	1900	pH		
EPA 9070A			10245020	Total Recoverable Oil & Grease (Gravimetric, Separatory Funnel Extraction)
	1803	n-Hexane Extractable Material (O&G)		
EPA 9310			10208205	Gross Alpha and Gross Beta by the evaporative technique
	2830	Gross-alpha		
	2840	Gross-beta		
EPA 9315			10208409	Gross Alpha by the co-precipitation technique
	2975	Total radium		
EPA 9320			10208603	Radium-228
	2970	Radium-228		



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water

OIA 1677 OIA 1677	60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry
1523 Available Cyanide		
SM 2310 B-97 online	20044604	Acidity by Titration Method
1500 Acidity, as CaCO ₃		
SM 2320 B-2011 SM 2320 B-2011	20045618	Alkalinity as CaCO ₃
1505 Alkalinity as CaCO ₃		
SM 2340 B-2011 SM 2340 B-2011	20046611	Hardness
1750 Hardness		
SM 2510 B-97 SM 2510 B-97	20048606	Conductivity by Probe
1610 Conductivity		
SM 2540 B-2011 2011	20049416	Total Solids Dried at 103 - 105C
1950 Residue-total		
SM 2540 C-2011 SM 2540 C-2011	20050413	Residue-filterable (TDS)
1955 Residue-filterable (TDS)		
SM 2540 D-2011	20051212	Total Suspended Solids Dried at 103 - 105 C
1960 Residue-nonfilterable (TSS)		
SM 2540 F-97 online	20052204	Settleable Solids
1965 Residue-settleable		
SM 3500-Cr B-2009 online	20066255	Chromium by Colorimetric Method
1045 Chromium VI		
SM 3500-Fe B-97 online	20069005	Iron by Phenanthroline Method
1070 Iron		
SM 4500-Cl ⁻ E-97 online	20086800	Chloride by Automated Ferricyanide Method
1575 Chloride		
SM 4500-CN C-1999	20095652	Cyanide (Total) after Distillation
1635 Cyanide		
SM 4500-CN E-2011 2011	20096428	Cyanide by Colormetric Method
1635 Cyanide		
1645 Total cyanide		
SM 4500-CN ⁻ I 21st ED	20097807	Cyanide by Weak Acid Dissociable Cyanide
1635 Cyanide		
SM 4500-F ⁻ C-97 online	20102403	Fluoride by Ion-Selective Electrode Method
1730 Fluoride		
SM 4500-H ⁺ B-2011 SM 4500-H ⁺ B-2011	20105220	pH - Electrometric Measurement
1900 pH		



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Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Non-Potable Water	SM 4500-S2 D-2000	20125853	Sulfide by Methylene Blue Method
	2005 Sulfide		
	SM 4500-SO4 D 20th Ed	20131800	Sulfate Gravimetric Method with Drying of Residue
	2000 Sulfate		
	SM 5210 B-2011 SM 5210 B-2011	20135266	Biochemical Oxygen Demand (5 days @ 20 C).
	1530 Biochemical oxygen demand		
	1555 Carbonaceous BOD, CBOD		
	SM 5310 B-2011 2011	20137820	TOC by High-Temperature Combustion Method
	2040 Total organic carbon		
	SM 7500-RN B 22nd Ed	20173711	Radon by Liquid Scintillation Method
	2985 Radon		
Solids	EPA 1010A	10234807	Pensky-Martens Closed-Cup Method for Determining Ignitability
	1780 Ignitability		
	EPA 1311	10118806	Toxicity Characteristic Leaching Procedure
	9822 Extraction/Preparation		
	EPA 1312	10119003	Synthetic Precipitation Leaching Procedure
	9822 Extraction/Preparation		
	EPA 3050B	10135601	Acid Digestion of Sediments, Sludges, and soils
	9822 Extraction/Preparation		
	EPA 3051A	10136002	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils
	9822 Extraction/Preparation		
	EPA 3052	10136206	Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices
	9822 Extraction/Preparation		
	EPA 3060A	10136604	Alkaline Digestion for Hexavalent Chromium
	9822 Extraction/Preparation		
	EPA 3540C	10140202	Soxhlet Extraction
	9822 Extraction/Preparation		
	EPA 3546	10141205	Microwave Extraction
	8031 Extraction/Preparation		
	EPA 3550C	10142004	Ultrasonic Extraction
	9822 Extraction/Preparation		



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Solids

EPA 3580A	10143007	Waste Dilution
9822	Extraction/Preparation	
EPA 3630C	10146802	Silica gel cleanup
8031	Extraction/Preparation	
EPA 5035	10154004	Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples
8031	Extraction/Preparation	
EPA 6010D 4	10155916	Metals by ICP - AES
1000	Aluminum	
1005	Antimony	
1010	Arsenic	
1015	Barium	
1020	Beryllium	
1025	Boron	
1030	Cadmium	
1035	Calcium	
1040	Chromium	
1050	Cobalt	
1055	Copper	
1760	Hardness (calc.)	
1070	Iron	
1075	Lead	
1080	Lithium	
1085	Magnesium	
1090	Manganese	
1100	Molybdenum	
1105	Nickel	
1125	Potassium	
1140	Selenium	
1990	Silica as SiO ₂	
1150	Silver	
1155	Sodium	
1160	Strontium	
1165	Thallium	
1175	Tin	
1180	Titanium	
1185	Vanadium	
1190	Zinc	
EPA 6020B 2	10156420	Inductively Coupled Plasma-Mass Spectrometry
1000	Aluminum	
1005	Antimony	



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Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Solids

EPA 6020B 2	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	3035	Uranium		
	1185	Vanadium		
	1190	Zinc		
EPA 7196A			10162400	Chromium Hexavalent colorimetric
	1045	Chromium VI		
EPA 7471A			10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 7473			10166800	Mercury in Solids/solutions by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 8015D			10305609	Nonhalogenated Organics Using GC/FID
	9369	Diesel range organics (DRO)		
	9408	Gasoline range organics (GRO)		
EPA 8021B			10174808	Aromatic and Halogenated Volatiles by GC with PID and/or ECD Purge & Trap
	4375	Benzene		
	4765	Ethylbenzene		
	5245	m-Xylene		
	5250	o-Xylene		
	5255	p-Xylene		
	5140	Toluene		
	5260	Xylene (total)		
EPA 8081B			10178800	Organochlorine Pesticides by GC/ECD
	7355	4,4'-DDD		
	7360	4,4'-DDE		
	7365	4,4'-DDT		
	7025	Aldrin		



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Solids

EPA 8081B

- 7110 alpha-BHC (alpha-Hexachlorocyclohexane)
- 7115 beta-BHC (beta-Hexachlorocyclohexane)
- 7240 cis-chlordane (alpha-Chlordane)
- 7105 delta-BHC
- 7470 Dieldrin
- 7510 Endosulfan I
- 7515 Endosulfan II
- 7520 Endosulfan sulfate
- 7540 Endrin
- 7530 Endrin aldehyde
- 7535 Endrin ketone
- 7120 gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
- 7685 Heptachlor
- 7690 Heptachlor epoxide
- 7810 Methoxychlor
- 7245 trans-chlordane (gamma-Chlordane)

EPA 8082A

10179358

Polychlorinated Biphenyls (PCBs) by GC/ECD

- 8880 Aroclor-1016 (PCB-1016)
- 8885 Aroclor-1221 (PCB-1221)
- 8890 Aroclor-1232 (PCB-1232)
- 8895 Aroclor-1242 (PCB-1242)
- 8900 Aroclor-1248 (PCB-1248)
- 8905 Aroclor-1254 (PCB-1254)
- 8910 Aroclor-1260 (PCB-1260)

EPA 8260D

10307127

Volatile Organic Compounds By GC/MS

- 5105 1,1,1,2-Tetrachloroethane
- 5160 1,1,1-Trichloroethane
- 5110 1,1,2,2-Tetrachloroethane
- 5185 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
- 5165 1,1,2-Trichloroethane
- 4630 1,1-Dichloroethane
- 4640 1,1-Dichloroethylene
- 4670 1,1-Dichloropropene
- 5150 1,2,3-Trichlorobenzene
- 5180 1,2,3-Trichloropropane
- 5155 1,2,4-Trichlorobenzene
- 4570 1,2-Dibromo-3-chloropropane (DBCP)
- 4585 1,2-Dibromoethane (EDB, Ethylene dibromide)
- 4610 1,2-Dichlorobenzene



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Solids

EPA 8260D

- 4635 1,2-Dichloroethane (Ethylene dichloride)
- 4655 1,2-Dichloropropane
- 5215 1,3,5-Trimethylbenzene
- 4615 1,3-Dichlorobenzene
- 4660 1,3-Dichloropropane
- 4620 1,4-Dichlorobenzene
- 4735 1,4-Dioxane (1,4- Diethyleneoxide)
- 4510 1-Chlorohexane
- 4665 2,2-Dichloropropane
- 4410 2-Butanone (Methyl ethyl ketone, MEK)
- 4500 2-Chloroethyl vinyl ether
- 4535 2-Chlorotoluene
- 4860 2-Hexanone (MBK)
- 4540 4-Chlorotoluene
- 4910 4-Isopropyltoluene (p-Cymene)
- 4995 4-Methyl-2-pentanone (MIBK)
- 4315 Acetone
- 4320 Acetonitrile
- 4325 Acrolein (Propenal)
- 4340 Acrylonitrile
- 4375 Benzene
- 4385 Bromobenzene
- 4390 Bromochloromethane
- 4395 Bromodichloromethane
- 4400 Bromoform
- 4450 Carbon disulfide
- 4455 Carbon tetrachloride
- 4475 Chlorobenzene
- 4575 Chlorodibromomethane
- 4485 Chloroethane (Ethyl chloride)
- 4505 Chloroform
- 4645 cis-1,2-Dichloroethylene
- 4680 cis-1,3-Dichloropropene
- 4595 Dibromomethane (Methylene bromide)
- 4625 Dichlorodifluoromethane (Freon-12)
- 4765 Ethylbenzene
- 4835 Hexachlorobutadiene
- 4870 Iodomethane (Methyl iodide)
- 4900 Isopropylbenzene (Cumene)
- 5240 m+p-xylene
- 4950 Methyl bromide (Bromomethane)
- 4960 Methyl chloride (Chloromethane)
- 5000 Methyl tert-butyl ether (MTBE)



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

Issue Date: 2/10/2020 Expiration Date: 2/9/2021

As of 2/10/2020 this list supersedes all previous lists for this certificate number.

Solids

EPA 8260D

- 4975 Methylene chloride (Dichloromethane)
- 5245 m-Xylene
- 5005 Naphthalene
- 4435 n-Butylbenzene
- 4855 n-Hexane
- 5090 n-Propylbenzene
- 5250 o-Xylene
- 5255 p-Xylene
- 4440 sec-Butylbenzene
- 5100 Styrene
- 4445 tert-Butylbenzene
- 5115 Tetrachloroethylene (Perchloroethylene)
- 5140 Toluene
- 4700 trans-1,2-Dichloroethylene
- 4685 trans-1,3-Dichloropropylene
- 4605 trans-1,4-Dichloro-2-butene
- 5170 Trichloroethene (Trichloroethylene)
- 5175 Trichlorofluoromethane
(Fluorotrichloromethane, Freon 11)
- 5225 Vinyl acetate
- 5235 Vinyl chloride
- 5260 Xylene (total)

EPA 8270E

10242543

Semivolatile Organic compounds by
GC/MS

- 5155 1,2,4-Trichlorobenzene
- 4610 1,2-Dichlorobenzene
- 4615 1,3-Dichlorobenzene
- 4620 1,4-Dichlorobenzene
- 4659 2,2-Oxybis(1-chloropropane)
- 6835 2,4,5-Trichlorophenol
- 6840 2,4,6-Trichlorophenol
- 6130 2,4-Dimethylphenol
- 6175 2,4-Dinitrophenol
- 6185 2,4-Dinitrotoluene (2,4-DNT)
- 6190 2,6-Dinitrotoluene (2,6-DNT)
- 5795 2-Chloronaphthalene
- 5800 2-Chlorophenol
- 6360 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)
- 6385 2-Methylnaphthalene
- 6400 2-Methylphenol (o-Cresol)
- 6460 2-Nitroaniline
- 6490 2-Nitrophenol
- 6412 3 & 4 Methylphenol



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

ORELAP ID: CO200002

EPA CODE: CO00028

Certificate: CO200002 - 011



ACZ Laboratories, Inc.

2773 Downhill Drive

Steamboat Springs, CO 80487

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Solids

EPA 8270E

5945	3,3'-Dichlorobenzidine
6465	3-Nitroaniline
5660	4-Bromophenyl phenyl ether (BDE-3)
5700	4-Chloro-3-methylphenol
5745	4-Chloroaniline
5825	4-Chlorophenyl phenylether
6410	4-Methylphenol (p-Cresol)
6470	4-Nitroaniline
6500	4-Nitrophenol
5500	Acenaphthene
5505	Acenaphthylene
5545	Aniline
5555	Anthracene
5562	Azobenzene
5575	Benzo(a)anthracene
5580	Benzo(a)pyrene
5590	Benzo(g,h,i)perylene
5600	Benzo(k)fluoranthene
5585	Benzo[b]fluoranthene
5610	Benzoic acid
5630	Benzyl alcohol
5760	bis(2-Chloroethoxy)methane
5765	bis(2-Chloroethyl) ether
5780	bis(2-Chloroisopropyl) ether
5670	Butyl benzyl phthalate
5855	Chrysene
5895	Dibenz(a,h) anthracene
5905	Dibenzofuran
6070	Diethyl phthalate
6135	Dimethyl phthalate
5925	Di-n-butyl phthalate
6200	Di-n-octyl phthalate
6265	Fluoranthene
6275	Hexachlorobenzene
4835	Hexachlorobutadiene
6285	Hexachlorocyclopentadiene
4840	Hexachloroethane
6315	Indeno(1,2,3-cd) pyrene
6320	Isophorone
5005	Naphthalene
5015	Nitrobenzene
6530	n-Nitrosodimethylamine
6545	n-Nitrosodi-n-propylamine



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Solids

EPA 8270E	6535	n-Nitrosodiphenylamine		
	6605	Pentachlorophenol		
	6615	Phenanthrene		
	6625	Phenol		
	6665	Pyrene		
	5095	Pyridine		
EPA 903.1 (SC)			10309601	Radium-226 Radon Emanation Technique
	2965	Radium-226		
EPA 9045D			10244607	Soil and Waste pH
	1900	pH		
EPA 9310			10208205	Gross Alpha and Gross Beta by the evaporative technique
	2830	Gross-alpha		
	2840	Gross-beta		
EPA 9315			10208409	Gross Alpha by the co-precipitation technique
	2975	Total radium		
EPA 9320			10208603	Radium-228
	2970	Radium-228		
SM 4500-CN C-1999			20095652	Cyanide (Total) after Distillation
	1635	Cyanide		
SM 4500-CN E-1999			20096417	Cyanide by Colorimetric Method
	1645	Total cyanide		
SM 4500-CN I 21st ED			20097807	Cyanide by Weak Acid Dissociable Cyanide
	1635	Cyanide		