



Oregon

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Specialty Analytical
9011 SE Jannsen Rd
Clackamas, OR 97015

ORELAP ID: 4164
EPA CODE: OR00997
Certificate: 4164 - 005

Issue Date: 8/6/2025 Expiration Date: 7/5/2026

As of 8/6/2025 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	ASTM D2036-09C (15)				2015	30024852	Standard Test Methods for Cyanides in Water - Weak Acid Dissociable Cyanides
		2074	Weak Acid Dissociable Cyanide				
	ASTM D-4282			02	2010	30030901	Free Cyanide in Water and Wastewater by Microdiffusion
		1640	Free cyanide				
	ASTM D7284-13				2013	30033013	Standard Test Method for Total Cyanide in Water by Micro Distillation followed by Flow Injection Analysis with Gas Diffusion Separation and Amperometric Detection
		1645	Total cyanide				
	EPA 1010				1986	10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability
		1780	Ignitability				
	EPA 120.1					10006403	Conductance - Specific @ 25 C
		1610	Conductivity				
	EPA 160.4				1979	10256801	Total Volatile Solids, ignition @ 550 C.
		2070	Volatile suspended solids				
	EPA 1621				24-Jan	10121014	Determination of Adsorbable Organic Fluorine (AOF) in Aqueous Matrices by Combustion Ion Chromatography (CIC)
		4333	Adsorbable Organic Fluorine				
	EPA 1664B				2010	10261617	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
		6142	Hexane Extractable Material - Silica Gel Treated (HEM-SGT)				
	EPA 1666A				1998	10128208	Volatile Organic Compounds Specific to the Pharmaceutical Manufacturing Industry by Isotope Dilution Gas Chromatography/Mass Spectrometry
	4995	4-Methyl-2-pentanone (MIBK)					
	4403	Butyl acetate					
	9375	Di-isopropylether (DIPE)					
	4755	Ethyl acetate					
	4880	Isobutyraldehyde					
	4890	Isopropyl acetate					



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Non-Potable Water	EPA 1666A				1998	10128208	Volatile Organic Compounds Specific to the Pharmaceutical Manufacturing Industry by Isotope Dilution Gas Chromatography/Mass Spectrometry
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)				
		5240	m+p-xylene				
		4980	Methyl formate				
		4360	n-Amyl acetate				
		4825	n-Heptane				
		4855	n-Hexane				
		5250	o-Xylene				
		5120	Tetrahydrofuran (THF)				
		5260	Xylene (total)				
	EPA 1671A				1998	10262201	Volatile Organic Compounds Gas Chromatography/ Flame Ionization Detector
		4935	2-Methoxyethanol (Methyl cellosolve)				
		4320	Acetonitrile				
		4715	Diethylamine				
		4730	Dimethyl sulfoxide				
		4750	Ethanol				
		4930	Methanol				
		5055	n-Propanol				
		5200	Triethylamine				
	EPA 180.1			2	1993	10011800	Turbidity - Nephelometric
		2055	Turbidity				
	EPA 200.8			5.4	1994	10014605	Metals by ICP-MS
		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.)				



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Non-Potable Water	EPA 200.8			5.4	1994	10014605	Metals by ICP-MS	
		1070	Iron					
		1075	Lead					
		1080	Lithium					
		1085	Magnesium					
		1090	Manganese					
		1100	Molybdenum					
		1105	Nickel					
		1125	Potassium					
		1140	Selenium					
		1990	Silica as SiO2					
		1145	Silicon					
		1150	Silver					
		1155	Sodium					
		1160	Strontium					
		1165	Thallium					
		1180	Titanium					
		1755	Total hardness as CaCO3					
		1185	Vanadium					
1190	Zinc							
	EPA 218.6			3.3	1994	10028009	Dissolved Hexavalent Chromium by Ion Chromatography	
		1045	Chromium VI					
	EPA 245.2				1974	10271406	Mercury by Cold Vapor Atomic Absorption	
		1095	Mercury					
	EPA 300.0			2.1	1993	10053200	Methods for the Determination of Inorganic Substances in Environmental Samples	
		1540	Bromide					
		1575	Chloride					
		1730	Fluoride					
		1810	Nitrate as N					
		1820	Nitrate plus Nitrite as N					
		1840	Nitrite as N					
		2000	Sulfate					
	EPA 310.2					10055002	Alkalinity as CaCO3 - Colorimetric, Automated	
		1505	Alkalinity as CaCO3					



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Non-Potable Water	EPA 310.2	1505	Alkalinity as CaCO3		1974	10055206	Alkalinity as CaCO3 - Colorimetric, Automated
	EPA 350.1	1515	Ammonia as N	2	1993	10063602	Ammonia Nitrogen - Colorimetric, Auto Phenate
	EPA 351.2	1795	Total Kjeldahl Nitrogen (TKN)	2	1993	10065404	Determination of Total Kjeldahl Nitrogen by Semi Automated Colorimetry
	EPA 353.2	1810	Nitrate as N	2	1993	10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
	EPA 365.3	1910	Phosphorus, total		1978	10070801	Phosphorous - Colorimetric, two reagent.
	EPA 410.4	1565	Chemical oxygen demand	2	1993	10077404	Chemical Oxygen Demand - Colorimetric, Automated.
	EPA 420.1	1905	Total phenolics		1978	10079400	Phenolics - Spectrophotometric, manual.
	EPA 425.1	2025	Surfactants - MBAS		1971	10080601	Methylene Blue Active Substances
	EPA 524.2	4610	1,2-Dichlorobenzene	4.1	1995	10088809	Volatile Organic Compounds GC/MS Capillary Column
		4635	1,2-Dichloroethane (Ethylene dichloride)				
		4315	Acetone				
		4375	Benzene				
		4475	Chlorobenzene				
		4505	Chloroform				
		4975	Methylene chloride (Dichloromethane)				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5140	Toluene				
		EPA 6020B	1000	Aluminum	Update V	2014	10156420



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Non-Potable Water	EPA 6020B			Update V	2014	10156420	Inductively Coupled Plasma-Mass Spectrometry
		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				
		1125	Potassium				
		1140	Selenium				
1990	Silica as SiO ₂						
1145	Silicon						
1155	Sodium						
1160	Strontium						
1165	Thallium						
1180	Titanium						
1185	Vanadium						
1190	Zinc						
	EPA 608.3 GC-ECD				2016	10296614	Organochlorine Pesticides and PCBs by GC/ECD
		7355	4,4'-DDD				
		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)				



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Non-Potable Water	EPA 608.3 GC-ECD				2016	10296614	Organochlorine Pesticides and PCBs by GC/ECD
		8905	Aroclor-1254 (PCB-1254)				
		8910	Aroclor-1260 (PCB-1260)				
		8912	Aroclor-1262 (PCB-1262)				
		8913	Aroclor-1268 (PCB-1268)				
		7115	beta-BHC (beta-Hexachlorocyclohexane)				
		7250	Chlordane (tech.)				
		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)				
		7245	gamma-Chlordane				
		7685	Heptachlor				
		7690	Heptachlor epoxide				
		7810	Methoxychlor				
		8870	PCBs				
		8250	Toxaphene (Chlorinated camphene)				
	EPA 624.1				2016	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				
		5155	1,2,4-Trichlorobenzene				
		5210	1,2,4-Trimethylbenzene				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		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)				
		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				
		4995	4-Methyl-2-pentanone (MIBK)				
		4315	Acetone				
		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)						



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Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		4625	Dichlorodifluoromethane (Freon-12)				
		4765	Ethylbenzene				
		5240	m+p-xylene				
		4950	Methyl bromide (Bromomethane)				
		4960	Methyl chloride (Chloromethane)				
		5000	Methyl tert-butyl ether (MTBE)				
		4975	Methylene chloride (Dichloromethane)				
		4435	n-Butylbenzene				
		5090	n-Propylbenzene				
		5005	Naphthalene				
		5250	o-Xylene				
		5100	Styrene				
		4445	tert-Butylbenzene				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5140	Toluene				
		4700	trans-1,2-Dichloroethylene				
		4685	trans-1,3-Dichloropropylene				
		5170	Trichloroethene (Trichloroethylene)				
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)				
5235	Vinyl chloride						
5260	Xylene (total)						
	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		6380	1-Methylnaphthalene				
		6385	2-Methylnaphthalene				
		5500	Acenaphthene				
		5505	Acenaphthylene				
		5555	Anthracene				
		5575	Benzo(a)anthracene				
		5580	Benzo(a)pyrene				
		5590	Benzo(g,h,i)perylene				
		5600	Benzo(k)fluoranthene				
		5585	Benzo[b]fluoranthene				
		5855	Chrysene				
		5895	Dibenz(a,h) anthracene				



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Non-Potable Water	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		6265	Fluoranthene				
		6270	Fluorene				
		6315	Indeno(1,2,3-cd) pyrene				
		5005	Naphthalene				
		6615	Phenanthrene				
		6665	Pyrene				
	EPA 7196A			Update I	1992	10162400	Chromium Hexavalent colorimetric
		1045	Chromium VI				
	EPA 7199				1996	10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
	1045	Chromium VI					
EPA 7470A				1994	10165807	Mercury in Liquid Waste by Cold Vapor Atomic Absorption	
	1095	Mercury					
EPA 8015C				2007	10173816	Non-halogenated organics using GC/FID	
	4750	Ethanol					
	4785	Ethylene glycol					
	4895	Isopropyl alcohol (2-Propanol, Isopropanol)					
	4930	Methanol					
	6657	Propylene Glycol					
EPA 8021B				1996	10174808	Aromatic and Halogenated Volatiles by GC with PID and/or ECD Purge & Trap	
	4375	Benzene					
	4765	Ethylbenzene					
	5240	m+p-xylene					
	5250	o-Xylene					
	5140	Toluene					
	5260	Xylene (total)					
EPA 8081B				2007	10178811	Organochlorine Pesticides by Gas Chromatography	
	7355	4,4'-DDD					
	7365	4,4'-DDT					
	7025	Aldrin					
	7110	alpha-BHC (alpha-Hexachlorocyclohexane)					



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Non-Potable Water	EPA 8081B				2007	10178811	Organochlorine Pesticides by Gas Chromatography
		7115	beta-BHC (beta-Hexachlorocyclohexane)				
		7250	Chlordane (tech.)				
		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)				
		7245	gamma-Chlordane				
		7685	Heptachlor				
		7690	Heptachlor epoxide				
		7810	Methoxychlor				
		8250	Toxaphene (Chlorinated camphene)				
			EPA 8082A				2007
		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)				
		8912	Aroclor-1262 (PCB-1262)				
		8913	Aroclor-1268 (PCB-1268)				
		8870	PCBs				
	EPA 8260D				2017	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				



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Non-Potable Water	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS
		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				
		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)				
		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				
		4995	4-Methyl-2-pentanone (MIBK)				
		4315	Acetone				
		4325	Acrolein (Propenal)				
		4340	Acrylonitrile				
		4375	Benzene				
		4385	Bromobenzene				
		4390	Bromochloromethane				
		4395	Bromodichloromethane				
		4400	Bromoform				
4450	Carbon disulfide						
4455	Carbon tetrachloride						
4475	Chlorobenzene						



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Non-Potable Water	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS		
		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						
		5240	m+p-xylene						
		4950	Methyl bromide (Bromomethane)						
		4960	Methyl chloride (Chloromethane)						
		5000	Methyl tert-butyl ether (MTBE)						
		4975	Methylene chloride (Dichloromethane)						
		4435	n-Butylbenzene						
		5090	n-Propylbenzene						
		5005	Naphthalene						
		5250	o-Xylene						
		5100	Styrene						
		4445	tert-Butylbenzene						
		5115	Tetrachloroethylene (Perchloroethylene)						
		5140	Toluene						
		4700	trans-1,2-Dichloroethylene						
		4685	trans-1,3-Dichloropropylene						
		5170	Trichloroethene (Trichloroethylene)						
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)						
		5235	Vinyl chloride						
		5260	Xylene (total)						
			EPA 8270E				2017	10242543	Semivolatile Organic compounds by GC/MS
				6380	1-Methylnaphthalene				
		6385	2-Methylnaphthalene						
		5500	Acenaphthene						
		5505	Acenaphthylene						
		5555	Anthracene						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8270E				2017	10242543	Semivolatile Organic compounds by GC/MS
		5575	Benzo(a)anthracene				
		5580	Benzo(a)pyrene				
		5590	Benzo(g,h,i)perylene				
		5600	Benzo(k)fluoranthene				
		5585	Benzo[b]fluoranthene				
		5855	Chrysene				
		5895	Dibenz(a,h) anthracene				
		6265	Fluoranthene				
		6270	Fluorene				
		6315	Indeno(1,2,3-cd) pyrene				
	5005	Naphthalene					
	6615	Phenanthrene					
	6665	Pyrene					
	EPA 9020B				1994	10194408	Total Organic Halides
		2045	Total organic halides (TOX)				
	EPA 9056A				2000	10199607	Determination of Inorganic Anions by Ion Chromatography
		1540	Bromide				
		1575	Chloride				
		1730	Fluoride				
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
		2000	Sulfate				
	HACH 8186			10	9/1/2019	60003874	Silica - Heteropoly Blue Method
		1990	Silica as SiO2				
	NWTPH EPH				1997	90014203	Method for the Determination of Extractable Pet. Hydrocarbons (EPH) Fractions - Washington State Department of Ecology
		6211	EPH Aliphatic >C10-C12				
		6212	EPH Aliphatic >C12-C16				
		6214	EPH Aliphatic >C16-C21				
		6216	EPH Aliphatic >C21-C34				
		6222	EPH Aliphatic C9-C18				
		6224	EPH Aromatic >C10-C12				
		6226	EPH Aromatic >C12-C16				
		6228	EPH Aromatic >C16-C21				
		6236	EPH Aromatic C8-C10				



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Non-Potable Water	NWTPH-Dx				04/03/2003	90018409	Oregon DEQ TPH Diesel Range	
		2050	Total Petroleum Hydrocarbons (TPH)					
	NWTPH-Gx				04/03/2003	90018603	Oregon DEQ TPH Gasoline Range Organics by GC/FID-PID Purge & Trap	
		9408	Gasoline range organics (GRO)					
	NWTPH-HCID					90013200	Oregon DEQ Total Petroleum Hydrocarbon ID	
		2050	Total Petroleum Hydrocarbons (TPH)					
	OIA 1677				2004	60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry	
		1523	Available Cyanide					
	OIA 1677-09				2010	60031450	Available Cyanide by Ligand Exchange and Flow Injection Analysis (FIA)	
		1523	Available Cyanide					
		1640	Free cyanide					
	SM 2130 B				22nd Ed	2011	20042619	Turbidity - Nephelometric Method
		2055	Turbidity					
	SM 2320 B				22nd Ed	2011	20045414	Alkalinity by Titration
		1505	Alkalinity as CaCO3					
	SM 2340 B				21st ED	2005	20046406	Hardness by calculation
		1750	Hardness					
	SM 2340 B				22nd Ed	2011	20046417	Hardness - Hardness by Calculation
		1550	Calcium hardness as CaCO3					
		1760	Hardness (calc.)					
	1755	Total hardness as CaCO3						
SM 2510 B-2011					2011	20048617	Conductivity by Probe	
	1610	Conductivity						
SM 2520 B-2011					2011	20040088	Salinity by Electrical Conductivity Method	
	1975	Salinity						
SM 2540 B-2011				2011		20049416	Total Solids Dried at 103 - 105C	
	1950	Residue-total						
SM 2540 B-2015					2015	20049438	Solids - Total Solids Dried at 103 - 105 deg C	
	1950	Residue-total						



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Non-Potable Water	SM 2540 C-2015	1955	Residue-filterable (TDS)			20050435	Solids - Total Dissolved Solids Dried at 180 deg C
	SM 2540 D-2015	1960	Residue-nonfilterable (TSS)		2015	20051223	Solids - Total Suspended Solids Dried at 103 - 105 deg C
	SM 2540 E-2011	2070	Volatile suspended solids	2011		20051596	Fixed & Volatile Solids Ignited at 550 C
	SM 2540 F-2015	1965	Residue-settleable		2015	20052226	Solids - Settleable Solids
	SM 3500-Cr B-2011	1045	Chromium VI		2011	20066266	Chromium by Colorimetric Method
	SM 3500-Cr C	1045	Chromium VI	22nd Ed	2011	20066619	Chromium - Ion Chromatographic Method
	SM 4110 B	1820	Nitrate plus Nitrite as N	21st ED	2005	20076806	Anions by Ion Chromatography with Chemical Suppression of Eluent Conductivity .
	SM 4110 B-2011	1540	Bromide		2011	20076919	Anions by Ion Chromatography with Chemical Suppression of Eluent
		1575	Chloride				
		1730	Fluoride				
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
		2000	Sulfate				
	SM 4500-Cl G-2011	1580	Chlorine	22nd ED	2011	20081623	Chlorine (Residual) by DPD Colorimetric Method
		1940	Total residual chlorine				
SM 4500-CN C-1999	1412	Cyanide, Manual Distillation		2011	20095652	Cyanide (Total) after Distillation	
SM 4500-CN ⁻ C-2011	1645	Total cyanide		2011	20065663	Cyanide (Total) After Distillation	
SM 4500-F ⁻ C-2011	1730	Fluoride	online	2011	20102414	Fluoride by Ion Selective Electrode	



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Non-Potable Water	SM 4500-H+ B			22nd Ed	2011	20105015	pH Value - Electrometric Method	
		1900	pH					
	SM 4500-NH3 H-2011			online	2011	20112214	Ammonia Nitrogen by Flow Injection Analysis	
		1515	Ammonia as N					
	SM 4500-NO3 ⁻ F-2019				2019	20117695	Nitrogen (Nitrate) - Automated Cadmium Reduction Method	
		1810	Nitrate as N					
		1820	Nitrate plus Nitrite as N					
		1840	Nitrite as N					
	SM 4500-Norg C-2011				22nd ED	2011	20120018	Organic Nitrogen by Macro Kjeldahl Method
		1462	TKN Digestion & Distillation					
	SM 4500-Norg D-2011					2011	20120289	Organic Nitrogen by Block Digestion and Flow Injection Analysis
		1795	Total Kjeldahl Nitrogen (TKN)					
	SM 4500-O H-2021					2021	20121704	Oxygen (Dissolved) - Optical Probe Method
		1880	Oxygen, dissolved					
	SM 4500-P E-2011					2011	20124225	Phosphorus by Ascorbic Acid Method
		1870	Orthophosphate as P					
		1910	Phosphorus, total					
SM 4500-SiO2 D				24th ED	2023	20129059	Silica - Heteropoly Blue Method	
	1990	Silica as SiO2						
SM 5210 B				23rd ED	2016	20135028	Biochemical Oxygen Demand (BOD) - 5-Day BOD Test	
	1530	Biochemical oxygen demand						
SM 5220 D				22nd ED	2011	20136612	Chemical Oxygen Demand by Closed Reflux and Colorimetric Determination	
	1565	Chemical oxygen demand						
SM 5310 B-2014					2014	20137831	Total Organic Carbon (TOC) - High-Temperature Combustion Method	
	1710	Dissolved organic carbon (DOC)						
	2040	Total organic carbon						
SM 5530 D				22nd ED	2010	20143720	Phenols by Direct Photometric Method	
	1905	Total phenolics						
SM 5540 C-2011					2011	20145066	Surfactants as MBAS	
	2025	Surfactants - MBAS						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	SM 5550 B			20th	1993	20029316	Tannin and Lignin - Colorimetric Method
		9597	Tannin & Lignin				
	SM 9222 D-2015				2015	20210020	Membrane Filter Technique for Members of the Coliform Group - Fecal Coliform Membrane Filter Procedure
		2530	Fecal coliforms				
	SM 9223 B (Colilert-18 Quanti-Tray)-2016				2016	20213632	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray®)
		2525	Escherichia coli				
		2530	Fecal coliforms				
	2500	Total coliforms					
	SM 9230 D			23rd Ed	2013	20219685	Fluorogenic Quantitative (Enterolert): Enterococci
		2520	Enterococci				
Solids	ASTM D7284-13				2013	30033013	Standard Test Method for Total Cyanide in Water by Micro Distillation followed by Flow Injection Analysis with Gas Diffusion Separation and Amperometric Detection
		1645	Total cyanide				
	EPA 1621				24-Jan	10121014	Determination of Adsorbable Organic Fluorine (AOF) in Aqueous Matrices by Combustion Ion Chromatography (CIC)
		4333	Adsorbable Organic Fluorine				
	EPA 200.8			5.4	1994	10014605	Metals by ICP-MS
		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					



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Solids	EPA 200.8			5.4	1994	10014605	Metals by ICP-MS
		1075	Lead				
		1080	Lithium				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1125	Potassium				
		1140	Selenium				
		1145	Silicon				
		1150	Silver				
		1155	Sodium				
		1160	Strontium				
		1165	Thallium				
		1175	Tin				
		1180	Titanium				
		1755	Total hardness as CaCO ₃				
		1185	Vanadium				
		1190	Zinc				
	EPA 3060A				1996	10136604	Alkaline Digestion for Hexavalent Chromium
		1402	Alkaline Digestion of Cr(VI)				
	EPA 350.1			2	1993	10063602	Ammonia Nitrogen - Colorimetric, Auto Phenate
		1515	Ammonia as N				
	EPA 351.2			2	1993	10065404	Determination of Total Kjeldahl Nitrogen by Semi Automated Colorimetry
		1795	Total Kjeldahl Nitrogen (TKN)				
	EPA 353.2			2	1993	10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
	EPA 365.3				1978	10070801	Phosphorous - Colorimetric, two reagent.
		1910	Phosphorus, total				
	EPA 6020B			Update V	2014	10156420	Inductively Coupled Plasma-Mass Spectrometry
		1000	Aluminum				
		1005	Antimony				
		1010	Arsenic				
		1015	Barium				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 6020B			Update V	2014	10156420	Inductively Coupled Plasma-Mass Spectrometry
		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				
		1125	Potassium				
		1140	Selenium				
		1145	Silicon				
		1150	Silver				
		1155	Sodium				
1160	Strontium						
1165	Thallium						
1175	Tin						
1180	Titanium						
1185	Vanadium						
1190	Zinc						
	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		6380	1-Methylnaphthalene				
		6385	2-Methylnaphthalene				
		5500	Acenaphthene				
		5505	Acenaphthylene				
		5555	Anthracene				
		5575	Benzo(a)anthracene				
		5580	Benzo(a)pyrene				
		5590	Benzo(g,h,i)perylene				
		5600	Benzo(k)fluoranthene				
		5585	Benzo[b]fluoranthene				
		5855	Chrysene				
		5895	Dibenz(a,h) anthracene				



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Solids	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		6265	Fluoranthene				
		6270	Fluorene				
		6315	Indeno(1,2,3-cd) pyrene				
		5005	Naphthalene				
		6615	Phenanthrene				
		6665	Pyrene				
	EPA 7196A			Update I	1992	10162400	Chromium Hexavalent colorimetric
		1045	Chromium VI				
	EPA 7199				1996	10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
		1045	Chromium VI				
	EPA 7471B				2007	10166457	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)
		1095	Mercury				
	EPA 8081B				2007	10178811	Organochlorine Pesticides by Gas Chromatography
		7355	4,4'-DDD				
		7365	4,4'-DDT				
		7025	Aldrin				
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)				
		7115	beta-BHC (beta-Hexachlorocyclohexane)				
		7250	Chlordane (tech.)				
		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)					
	7245	gamma-Chlordane					
	7685	Heptachlor					



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Solids	EPA 8081B	7690	Heptachlor epoxide		2007	10178811	Organochlorine Pesticides by Gas Chromatography
		6275	Hexachlorobenzene				
		7810	Methoxychlor				
		8250	Toxaphene (Chlorinated camphene)				
	EPA 8082A				2007	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)				
		8912	Aroclor-1262 (PCB-1262)				
		8913	Aroclor-1268 (PCB-1268)				
		8870	PCBs				
	EPA 8260D				2017	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				
		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				



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Solids	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS
		5215	1,3,5-Trimethylbenzene				
		4615	1,3-Dichlorobenzene				
		4660	1,3-Dichloropropane				
		4620	1,4-Dichlorobenzene				
		4735	1,4-Dioxane (1,4-Diethyleneoxide)				
		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				
		4995	4-Methyl-2-pentanone (MIBK)				
		4315	Acetone				
		4325	Acrolein (Propenal)				
		4340	Acrylonitrile				
		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				
		4950	Methyl bromide (Bromomethane)				
		4960	Methyl chloride (Chloromethane)				
		5000	Methyl tert-butyl ether (MTBE)				
		4975	Methylene chloride (Dichloromethane)				
		4435	n-Butylbenzene				



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Solids	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS		
		5090	n-Propylbenzene						
		5005	Naphthalene						
		5100	Styrene						
		4445	tert-Butylbenzene						
		5115	Tetrachloroethylene (Perchloroethylene)						
		5140	Toluene						
		4700	trans-1,2-Dichloroethylene						
		4685	trans-1,3-Dichloropropylene						
		5170	Trichloroethene (Trichloroethylene)						
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)						
		5235	Vinyl chloride						
		5260	Xylene (total)						
			EPA 8270E				2017	10242543	Semivolatile Organic compounds by GC/MS
				6380	1-Methylnaphthalene				
		6385	2-Methylnaphthalene						
		5500	Acenaphthene						
		5505	Acenaphthylene						
		5555	Anthracene						
		5575	Benzo(a)anthracene						
		5580	Benzo(a)pyrene						
		5590	Benzo(g,h,i)perylene						
		5600	Benzo(k)fluoranthene						
		5585	Benzo[b]fluoranthene						
		5855	Chrysene						
		5895	Dibenz(a,h) anthracene						
		6265	Fluoranthene						
		6270	Fluorene						
		6315	Indeno(1,2,3-cd) pyrene						
		5005	Naphthalene						
		6615	Phenanthrene						
		6665	Pyrene						
	EPA 9020B				1994	10194408	Total Organic Halides		
		2045	Total organic halides (TOX)						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 9023				1996	10195003	Extractable Organic Halides (EOX) in Solids
		1720	Extractable organics halides (EOX)				
	EPA 9030B				1996	10195605	Acid-Soluble and Acid-Insoluble sulfides: Distillation
		2005	Sulfide				
	EPA 9034				1996	10196006	Titrimetric Procedure for Acid-Soluble and Acid-Insoluble Sulfides
		2005	Sulfide				
	EPA 9045D				2004	10198455	Soil and Waste pH
		1625	Corrosivity (pH)				
	EPA 9056A				2000	10199607	Determination of Inorganic Anions by Ion Chromatography
		1540	Bromide				
		1575	Chloride				
		1730	Fluoride				
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
		1870	Orthophosphate as P				
		2000	Sulfate				
	NWTPH EPH				1997	90014203	Method for the Determination of Extractable Pet. Hydrocarbons (EPH) Fractions - Washington State Department of Ecology
		6211	EPH Aliphatic >C10-C12				
		6212	EPH Aliphatic >C12-C16				
		6214	EPH Aliphatic >C16-C21				
		6216	EPH Aliphatic >C21-C34				
		6222	EPH Aliphatic C9-C18				
		6224	EPH Aromatic >C10-C12				
		6226	EPH Aromatic >C12-C16				
		6228	EPH Aromatic >C16-C21				
		6236	EPH Aromatic C8-C10				
	NWTPH-Dx				04/03/2003	90018409	Oregon DEQ TPH Diesel Range
		2050	Total Petroleum Hydrocarbons (TPH)				
	NWTPH-Gx				04/03/2003	90018603	Oregon DEQ TPH Gasoline Range Organics by GC/FID-PID Purge & Trap
		9408	Gasoline range organics (GRO)				



Oregon

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Specialty Analytical
9011 SE Jannsen Rd
Clackamas, OR 97015

ORELAP ID: 4164
EPA CODE: OR00997
Certificate: 4164 - 005

Issue Date: 8/6/2025 Expiration Date: 7/5/2026

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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Solids	NWTPH-HCID					90013200	Oregon DEQ Total Petroleum Hydrocarbon ID	
		2050	Total Petroleum Hydrocarbons (TPH)					
	SM 2340 B			21st Ed	2005	20046406	Hardness by calculation	
		1750	Hardness					
	SM 2340 B			22nd Ed	2011	20046417	Hardness - Hardness by Calculation	
		1550	Calcium hardness as CaCO3					
		1760	Hardness (calc.)					
		1755	Total hardness as CaCO3					
	SM 4500-CN C-1999					2011	20095652	Cyanide (Total) after Distillation
		1412	Cyanide, Manual Distillation					
SM 4500-CN C-2011					2011	20065663	Cyanide (Total) After Distillation	
	1645	Total cyanide						
SM 4500-P E-2011					2011	20124225	Phosphorus by Ascorbic Acid Method	
	1910	Phosphorus, total						

