



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 - 004

Issue Date: 1/29/2025 Expiration Date: 7/5/2025

As of 1/29/2025 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 D-4282			02	2010	30030901	Free Cyanide in Water and Wastewater by Microdiffusion
		1640	Free cyanide				
	ASTM D512-04C				2004	30001344	Standard Test Methods for Chloride Ion In Water - Ion Selective Electrode
		1575	Chloride				
	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					10130208	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 SiO ₂				
		1145	Silicon				
		1150	Silver				
		1155	Sodium				
		1160	Strontium				
		1165	Thallium				
		1180	Titanium				
		1755	Total hardness as CaCO ₃				
		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 CaCO ₃ - Colorimetric, Automated
		1505	Alkalinity as CaCO ₃				



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Non-Potable Water	EPA 310.2				1974	10055206	Alkalinity as CaCO ₃ - Colorimetric, Automated
		1505	Alkalinity as CaCO ₃				
	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
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
	EPA 365.3				1978	10070801	Phosphorous - Colorimetric, two reagent.
		1910	Phosphorus, total				
	EPA 375.4				1978	10073800	Sulfate - Turbidimetric.
		2000	Sulfate				
	EPA 410.4			2	1993	10077404	Chemical Oxygen Demand - Colorimetric, Automated.
		1565	Chemical oxygen demand				
	EPA 420.1				1978	10079400	Phenolics - Spectrophotometric, manual.
		1905	Total phenolics				
	EPA 425.1				1971	10080601	Methylene Blue Active Substances
		2025	Surfactants - MBAS				
	EPA 524.2			4.1	1995	10088809	Volatile Organic Compounds GC/MS Capillary Column
		4610	1,2-Dichlorobenzene				
		4635	1,2-Dichloroethane (Ethylene dichloride)				
		4315	Acetone				
		4375	Benzene				
		4475	Chlorobenzene				
		4505	Chloroform				
		4975	Methylene chloride (Dichloromethane)				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5140	Toluene				



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Non-Potable Water	EPA 6020B			Update V	2014	10156420	Inductively Coupled Plasma-Mass Spectrometry
		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				
		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				
		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)				



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Non-Potable Water	EPA 608.3 GC-ECD				2016	10296614	Organochlorine Pesticides and PCBs by GC/ECD
		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)				
		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				



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Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		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				
		4575	Chlorodibromomethane				
		4485	Chloroethane (Ethyl chloride)				
		4505	Chloroform				
		4645	cis-1,2-Dichloroethylene				
		4680	cis-1,3-Dichloropropene				



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Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		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 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				



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Non-Potable Water	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		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 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				
	EPA 8081B				2007	10178811	Organochlorine Pesticides by Gas Chromatography
		7355	4,4'-DDD				
		7360	4,4'-DDE				
		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	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				



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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 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-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 CaCO ₃				
	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 CaCO ₃				
		1760	Hardness (calc.)				
		1755	Total hardness as CaCO ₃				
	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				
	SM 2540 C-2015					20050435	Solids - Total Dissolved Solids Dried at 180 deg C
		1955	Residue-filterable (TDS)				



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Non-Potable Water	SM 2540 D-2015				2015	20051223	Solids - Total Suspended Solids Dried at 103 - 105 deg C
		1960	Residue-nonfilterable (TSS)				
	SM 2540 E-2011			2011		20051596	Fixed & Volatile Solids Ignited at 550 C
		2070	Volatile suspended solids				
	SM 2540 F-2015				2015	20052226	Solids - Settleable Solids
		1965	Residue-settleable				
	SM 3500-Cr B-2011				2011	20066266	Chromium by Colorimetric Method
		1045	Chromium VI				
	SM 3500-Cr C			22nd Ed	2011	20066619	Chromium - Ion Chromatographic Method
		1045	Chromium VI				
	SM 4110 B			21st ED	2005	20076806	Anions by Ion Chromatography with Chemical Suppression of Eluent Conductivity .
		1820	Nitrate plus Nitrite as N				
	SM 4110 B-2011				2011	20076919	Anions by Ion Chromatography with Chemical Suppression of Eluent
		1540	Bromide				
		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			22nd ED	2011	20081623	Chlorine (Residual) by DPD Colorimetric Method
		1580	Chlorine				
		1940	Total residual chlorine				
	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-CN ⁻ I-2011				2011	20098026	Weak Acid Dissociable Cyanide
		2074	Weak Acid Dissociable Cyanide				
	SM 4500-F ⁻ C-2011			online	2011	20102414	Fluoride by Ion Selective Electrode
		1730	Fluoride				



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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-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 G-2016				2016	20121679	Oxygen (Dissolved) - Membrane Electrode Method
		1880	Oxygen, dissolved				
	SM 4500-P E-2011				2011	20124225	Phosphorus by Ascorbic Acid Method
		1870	Orthophosphate as P				
		1910	Phosphorus, total				
	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				
	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				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	SM 9223 B (Colilert-18 Quanti-Tray)-2016	2525	Escherichia coli		2016	20213632	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray®)
		2530	Fecal coliforms				
		2500	Total coliforms				
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				
		1075	Lead				
		1080	Lithium				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1125	Potassium				
		1140	Selenium				
		1145	Silicon				
		1150	Silver				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 200.8			5.4	1994	10014605	Metals by ICP-MS
		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				
		1020	Beryllium				
		1025	Boron				
		1030	Cadmium				
		1035	Calcium				
		1040	Chromium				
		1050	Cobalt				
		1055	Copper				
		1070	Iron				
		1075	Lead				
		1080	Lithium				



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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
		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				
		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				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	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				
		7360	4,4'-DDE				
		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				
		7690	Heptachlor epoxide				
		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)				



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Solids	EPA 8082A				2007	10179358	Polychlorinated Biphenyls (PCBs) by GC/ECD
		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				
		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				



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Solids	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS
		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)				
		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				
		5090	n-Propylbenzene				
		5005	Naphthalene				
		5100	Styrene				
		4445	tert-Butylbenzene				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5140	Toluene				
		4700	trans-1,2-Dichloroethylene				



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Solids	EPA 8260D				2017	10307127	Volatile Organic Compounds By GC/MS
		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 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 9038				1986	10196608	Sulfate (Turbidimetric)
		2000	Sulfate				
	EPA 9045D				2004	10198455	Soil and Waste pH
		1625	Corrosivity (pH)				



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Certificate: 4164 - 004

Issue Date: 1/29/2025 Expiration Date: 7/5/2025

As of 1/29/2025 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 9056A				2000	10199607	Determination of Inorganic Anions by Ion Chromatography
		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-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 CaCO ₃				
		1760	Hardness (calc.)				
		1755	Total hardness as CaCO ₃				
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				



Oregon

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Specialty Analytical
9011 SE Jannsen Rd
Clackamas, OR 97015

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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	SM 4500-P E-2011	1910	Phosphorus, total		2011	20124225	Phosphorus by Ascorbic Acid Method

