



Oregon

Environmental Laboratory Accreditation Program



NELAP Recognized

**Enthalpy Analytical, LLC - Orange
4038**

931 W. Barkley Ave
Orange, CA 92868

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids & Chem. Waste	Tissue
Chemistry	Chemistry Microbiology	Chemistry Microbiology	Chemistry	

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.

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

EFFECTIVE DATE : 01/30/2025
EXPIRATION DATE : 01/29/2026
Certificate No : 4038 - 016





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Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Enthalpy Analytical, LLC - Orange
931 W. Barkley Ave
Orange, CA 92868

ORELAP ID: 4038
EPA CODE: CA00054
Certificate: 4038 - 016

Issue Date: 1/30/2025 Expiration Date: 1/29/2026

As of 1/30/2025 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Air	ASTM D1946-90	3755	Carbon dioxide		2006	30024465	Reformed Gas by Gas Chromatography	
		3780	Carbon monoxide					
		1767	Helium					
		1772	Hydrogen					
		4926	Methane					
		1843	Nitrogen					
		3895	Oxygen					
	EPA TO-15		5105	1,1,1,2-Tetrachloroethane		1999	10248803	VOCs collected in Canisters by GC/MS
			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				
			4633	1,1-Difluoroethane				
			5150	1,2,3-Trichlorobenzene				
			5155	1,2,4-Trichlorobenzene				
			5210	1,2,4-Trimethylbenzene				
			4570	1,2-Dibromo-3-chloropropane (DBCP)				
			4585	1,2-Dibromoethane (EDB, Ethylene dibromide)				
			4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)				
			4610	1,2-Dichlorobenzene				
			4635	1,2-Dichloroethane (Ethylene dichloride)				
			4655	1,2-Dichloropropane				
			5215	1,3,5-Trimethylbenzene				
			9318	1,3-Butadiene				
			4615	1,3-Dichlorobenzene				
	4660	1,3-Dichloropropane						
	4620	1,4-Dichlorobenzene						
	4735	1,4-Dioxane (1,4-Diethyleneoxide)						
	4836	1-Propene (Propylene)						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Air	EPA TO-15				1999	10248803	VOCs collected in Canisters by GC/MS
		5220	2,2,4-Trimethylpentane				
		4410	2-Butanone (Methyl ethyl ketone, MEK)				
		4535	2-Chlorotoluene				
		4860	2-Hexanone (MBK)				
		4942	2-methylpropane (Isobutane)				
		4542	4-Ethyltoluene				
		4995	4-Methyl-2-pentanone (MIBK)				
		4300	Acetaldehyde				
		4315	Acetone				
		4320	Acetonitrile				
		4325	Acrolein (Propenal)				
		4340	Acrylonitrile				
		4355	Allyl chloride (3-Chloropropene)				
		4375	Benzene				
		5635	Benzyl chloride				
		4395	Bromodichloromethane				
		4400	Bromoform				
		4450	Carbon disulfide				
		4455	Carbon tetrachloride				
		4475	Chlorobenzene				
		4575	Chlorodibromomethane				
		4577	Chlorodifluoromethane (Freon-22)				
		4485	Chloroethane (Ethyl chloride)				
		4505	Chloroform				
		4705	cis & trans-1,2-Dichloroethene				
		4645	cis-1,2-Dichloroethylene				
		4680	cis-1,3-Dichloropropene				
		4555	Cyclohexane				
		9375	Di-isopropylether (DIPE)				
		4625	Dichlorodifluoromethane (Freon-12)				
		4750	Ethanol				
		4755	Ethyl acetate				
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)				
		4765	Ethylbenzene				
		4835	Hexachlorobutadiene				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Air	EPA TO-15				1999	10248803	VOCs collected in Canisters by GC/MS
		4840	Hexachloroethane				
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)				
		4900	Isopropylbenzene (Cumene)				
		5240	m+p-xylene				
		4930	Methanol				
		4950	Methyl bromide (Bromomethane)				
		4960	Methyl chloride (Chloromethane)				
		4990	Methyl methacrylate				
		5000	Methyl tert-butyl ether (MTBE)				
		4975	Methylene chloride (Dichloromethane)				
		5007	n-Butane				
		4425	n-Butyl alcohol (1-Butanol, n-Butanol)				
		4435	n-Butylbenzene				
		4825	n-Heptane				
		4855	n-Hexane				
		5026	n-Nonane				
		5027	n-Octane				
		5028	n-Pentane				
		5090	n-Propylbenzene				
		5005	Naphthalene				
		5250	o-Xylene				
		4440	sec-Butylbenzene				
		5100	Styrene				
		4370	T-amylmethylether (TAME)				
		4420	tert-Butyl alcohol				
		4445	tert-Butylbenzene				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5120	Tetrahydrofuran (THF)				
		5140	Toluene				
		4700	trans-1,2-Dichloroethylene				
		4685	trans-1,3-Dichloropropylene				
		5170	Trichloroethene (Trichloroethylene)				
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)				



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Air	EPA TO-15	5225	Vinyl acetate		1999	10248803	VOCs collected in Canisters by GC/MS	
		5230	Vinyl bromide (Bromoethane)					
		5235	Vinyl chloride					
		5260	Xylene (total)					
	EPA TO-3				1984	10312400	Method for the Determination of Volatile Organic Compounds in Ambient Air Using Cryogenic Preconcentration Techniques and Gas Chromatography With Flame Ionization and Electron Capture Detection	
		4747	Ethane					
		9408	Gasoline range organics (GRO)					
		4926	Methane					
		5007	n-Butane					
		4855	n-Hexane					
	5028	n-Pentane						
	5029	n-Propane						
	9401	Total Petroleum Hydrocarbons as Equivalent Hexane						
	9302	Total Petroleum Hydrocarbons C6 - C12						
Drinking Water	EPA 150.1				1982	10008409	pH - Electrometric Measurement	
		1900	pH					
	EPA 180.1				2	1993	10011800	Turbidity - Nephelometric
		2055	Turbidity					
	EPA 200.7				4.4	1994	10013806	ICP - metals
		1000	Aluminum					
		1015	Barium					
		1020	Beryllium					
		1025	Boron					
		1030	Cadmium					
		1035	Calcium					
		1550	Calcium hardness as CaCO3					
		1040	Chromium					
		1055	Copper					
	1760	Hardness (calc.)						
	1070	Iron						



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Drinking Water	EPA 200.7			4.4	1994	10013806	ICP - metals		
		1085	Magnesium						
		1090	Manganese						
		1105	Nickel						
		1125	Potassium						
		1990	Silica as SiO2						
		1145	Silicon						
		1150	Silver						
		1155	Sodium						
		1755	Total hardness as CaCO3						
		1190	Zinc						
			EPA 200.8					10014401	ICP/MS - metals
				1000	Aluminum				
		1005	Antimony						
		1010	Arsenic						
		1015	Barium						
		1020	Beryllium						
		1025	Boron						
		1030	Cadmium						
		1035	Calcium						
		1040	Chromium						
		1055	Copper						
		1070	Iron						
		1075	Lead						
		1085	Magnesium						
		1090	Manganese						
		1100	Molybdenum						
		1105	Nickel						
		1125	Potassium						
		1140	Selenium						
		1150	Silver						
		1155	Sodium						
		1160	Strontium						
		1165	Thallium						
		1185	Vanadium						
		1190	Zinc						
	EPA 218.6			3.3	1994	10028009	Dissolved Hexavalent Chromium by Ion Chromatography		
		1045	Chromium VI						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Drinking Water	EPA 245.1	1095	Mercury	3	1994	10036609	Mercury by Cold Vapor Atomic Absorption
	EPA 300.0			2.1	1993	10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
		1575	Chloride				
		1730	Fluoride				
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1835	Nitrite				
		1840	Nitrite as N				
		2000	Sulfate				
	EPA 314.0				1999	10277006	Perchlorate in Drinking Water by Ion Chromatography
		1895	Perchlorate				
	EPA 335.4			1.0	1993	10061402	Total Cyanide by Semi-Automated Colorimetry
		1645	Total cyanide				
	EPA 524.2					10088605	Volatile Organic Compounds GC/MS Capillary Column
		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				
		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				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Drinking Water	EPA 524.2					10088605	Volatile Organic Compounds GC/MS Capillary Column
		4665	2,2-Dichloropropane				
		4535	2-Chlorotoluene				
		4540	4-Chlorotoluene				
		4910	4-Isopropyltoluene (p-Cymene)				
		4995	4-Methyl-2-pentanone (MIBK)				
		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				
		9375	Di-isopropylether (DIPE)				
		4595	Dibromomethane (Methylene bromide)				
		4625	Dichlorodifluoromethane (Freon-12)				
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)				
		4765	Ethylbenzene				
		4835	Hexachlorobutadiene				
		4900	Isopropylbenzene (Cumene)				
		5240	m+p-xylene				
		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						
4440	sec-Butylbenzene						
5100	Styrene						



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Drinking Water	EPA 524.2					10088605	Volatile Organic Compounds GC/MS Capillary Column
		4370	T-amylmethylether (TAME)				
		4420	tert-Butyl alcohol				
		4445	tert-Butylbenzene				
		5115	Tetrachloroethylene (Perchloroethylene)				
		5140	Toluene				
		5205	Total trihalomethanes				
		4700	trans-1,2-Dichloroethylene				
		4685	trans-1,3-Dichloropropylene				
		5170	Trichloroethene (Trichloroethylene)				
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)				
		5235	Vinyl chloride				
		SM 2130 B			21st ED	2005	20042608
		2055	Turbidity				
	SM 2320 B			21st ED	2005	20045403	Alkalinity by Titration Method
		1505	Alkalinity as CaCO3				
	SM 2340 B-97			1997		20046600	Hardness by calculation
		1750	Hardness				
	SM 2510 B			20th ED	1998	20048208	Conductivity by Probe
		1610	Conductivity				
	SM 2540 B-2011			2011		20049416	Total Solids Dried at 103 - 105C
		1950	Residue-total				
	SM 2540 C-97			1997	1997	20050402	Total Dissolved Solids Dried at 180C
		1955	Residue-filterable (TDS)				
	SM 2540 D-2011				2011	20051212	Total Suspended Solids Dried at 103 - 105 C
		1960	Residue-nonfilterable (TSS)				
	SM 4500-CI G			21st ED	2005	20081407	Chlorine by DPD Colorimetric Method
		1945	Residual free chlorine				
		1940	Total residual chlorine				
	SM 4500-CN E-1999				2011	20096417	Cyanide by Colorimetric Method
		1645	Total cyanide				



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Drinking Water	SM 4500-CN G-1999	1510	Amenable cyanide	online		20097216	Cyanide Amenable to Chlorination after Distillation	
	SM 4500-F ⁻ C-2011	1730	Fluoride	online	2011	20102414	Fluoride by Ion Selective Electrode	
	SM 4500-H+ B	1900	pH	21st ED	2005	20105004	pH Value by Electrometric Method .	
	SM 4500-NO ₃ ⁻ F	1810	Nitrate as N	21st ED	2005	20116409	Nitrate by Automated Cadmium Reduction Method	
		1820	Nitrate plus Nitrite as N					
		1840	Nitrite as N					
	SM 4500-P E-1999	1870	Orthophosphate as P			1999	20124214	Phosphorous by Ascorbic Acid Method
	SM 4500-SiO ₂ C	1990	Silica as SiO ₂		20th ED	1998	20128205	Silicon by Molybdosilicate Method
	SM 4500-SiO ₂ D	1990	Silica as SiO ₂		20th ED	1998	20128807	Silicon by Heteropoly Blue Method
	SM 5310 B	1710	Dissolved organic carbon (DOC)		21st ED	2005	20137604	TOC by High-Temperature Combustion Method
		2040	Total organic carbon					
	SM 5540 C-2000	2025	Surfactants - MBAS			2000	20145055	Surfactants - Anionic Surfactants as MBAS
	SM 9215 B	2555	Heterotrophic plate count		22nd ED	2004	20179811	Heterotrophic Plate Count - Pour Plate Method
	SM 9215 E SimPlate®	2555	Heterotrophic plate count			2004	20185302	Fluorogenic Quantitative (SimPlate®): Heterotrophic Bacteria
	SM 9221 B (LTB) + C MPN	2500	Total coliforms		22nd	2006	20187228	Multiple Tube Fermentation Quantitative (LTB): Total Coliform
	SM 9221 B (LTB) + E (EC) + C MPN	2530	Fecal coliforms		22nd	2006	20189020	Multiple Tube Fermentation Quantitative (LTB/EC MUG): Total Coliform and Fecal coliform



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Drinking Water	SM 9221 B plus F plus C-2006			2006		20190823	Multiple-Tube Fermentation Technique for Members of the Coliform Group - Standard Total Coliform Fermentation Technique	
		2525	Escherichia coli					
	SM 9223 B (Colilert)			22nd Ed	2004	20212413	Enzyme Substrate Coliform Test (Colilert) P/A	
		2525	Escherichia coli					
		2500	Total coliforms					
	SM 9223 B (Colilert-18)			22nd Ed	2004	20214419	Enzyme Substrate Coliform Test (Colilert-18)	
		2525	Escherichia coli					
		2500	Total coliforms					
	SM 9223 B (Colisure)			22nd Ed	2004	20231612	Enzyme Substrate Coliform Test (Colisure)	
		2525	Escherichia coli					
		2500	Total coliforms					
	SRL 524M-TCP				2002		90018534	CA ELAP - Determination of 1, 2, 3-Trichloropropane in Drinking Water by Purge and Trap Gas Chromatography/Mass Spectrometry
		5180	1,2,3-Trichloropropane					
	Non-Potable Water	CA Title 22 WET				1985	90017235	CA Waste Extraction Test (WET)
			1407	California Waste Extraction Test				
EPA 1010					1986	10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability	
		1780	Ignitability					
EPA 1030					1996	10117201	Ignitability of Solids	
		1780	Ignitability					
EPA 120.1						10006403	Conductance - Specific @ 25 C	
		1610	Conductivity					
EPA 1311					1992	10118806	Toxicity Characteristic Leaching Procedure	
		1466	Toxicity Characteristic Leaching Procedure (TCLP)					
EPA 1312					1994	10119003	Synthetic Precipitation Leaching Procedure	
		1460	Synthetic Precipitation Leaching Procedure (SPLP)					
EPA 160.4				1971	10010409	Total Volatile Solids, ignition @ 550 C.		
	1970	Residue-volatile						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 1664A (HEM)	1803	n-Hexane Extractable Material (O&G)		1999	10127807	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
	EPA 180.1	2055	Turbidity	2	1993	10011800	Turbidity - Nephelometric
	EPA 200.7			4.4	1994	10013806	ICP - metals
		1000	Aluminum				
		1005	Antimony				
		1010	Arsenic				
		1015	Barium				
		1020	Beryllium				
		1025	Boron				
		1030	Cadmium				
	1035	Calcium					
	1550	Calcium hardness as CaCO ₃					
	1040	Chromium					
	1050	Cobalt					
	1055	Copper					
	1070	Iron					
	1075	Lead					
	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					
	1175	Tin					
	1180	Titanium					
	1755	Total hardness as CaCO ₃					
	1185	Vanadium					
	1190	Zinc					



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 200.8	1000	Aluminum			10014401	ICP/MS - metals
		1005	Antimony				
		1010	Arsenic				
		1015	Barium				
		1020	Beryllium				
		1025	Boron				
		1030	Cadmium				
		1035	Calcium				
		1040	Chromium				
		1050	Cobalt				
		1055	Copper				
		1070	Iron				
		1075	Lead				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1125	Potassium				
		1140	Selenium				
		1150	Silver				
1155	Sodium						
1165	Thallium						
1180	Titanium						
1185	Vanadium						
1190	Zinc						
	EPA 218.6			3.3	1994	10028009	Dissolved Hexavalent Chromium by Ion Chromatography
		1045	Chromium VI				
	EPA 245.1			3	1994	10036609	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				
		1835	Nitrite				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 300.0			2.1	1993	10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
		1840	Nitrite as N				
		2000	Sulfate				
	EPA 335.4			1.0	1993	10061402	Total Cyanide by Semi-Automated Colorimetry
		1510	Amenable cyanide				
		1645	Total cyanide				
	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 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 6010B				1996	10155609	ICP - AES
		1000	Aluminum				
		1005	Antimony				
	1010	Arsenic					
	1015	Barium					
	1020	Beryllium					
	1023	Bismuth					
	1025	Boron					
	1030	Cadmium					
	1035	Calcium					
	1040	Chromium					
	1050	Cobalt					
	1055	Copper					
	1760	Hardness (calc.)					
	1070	Iron					



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Non-Potable Water	EPA 6010B				1996	10155609	ICP - AES
		1075	Lead				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1910	Phosphorus, total				
		1125	Potassium				
		1140	Selenium				
		1990	Silica as SiO ₂				
		1145	Silicon				
		1150	Silver				
		1155	Sodium				
		1160	Strontium				
		2017	Sulfur				
		1165	Thallium				
		1175	Tin				
		1180	Titanium				
		1185	Vanadium				
1190	Zinc						
	EPA 6020			Update II	1994	10156204	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				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1125	Potassium				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description						
Non-Potable Water	EPA 6020	1140	Selenium	Update II	1994	10156204	Inductively Coupled Plasma-Mass Spectrometry						
		1150	Silver										
		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)												
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)												
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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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 608.3 GC-ECD	7690	Heptachlor epoxide		2016	10296614	Organochlorine Pesticides and PCBs by GC/ECD
		7810	Methoxychlor				
		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				
		5182	1,2,3-Trimethylbenzene				
		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				
		9318	1,3-Butadiene				
		4615	1,3-Dichlorobenzene				
		4660	1,3-Dichloropropane				
		4675	1,3-Dichloropropene				
		4620	1,4-Dichlorobenzene				
		4665	2,2-Dichloropropane				
		4668	2,3-Dichloropropene				
		4410	2-Butanone (Methyl ethyl ketone, MEK)				
		4500	2-Chloroethyl vinyl ether				
		4535	2-Chlorotoluene				
		4860	2-Hexanone (MBK)				



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Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		4540	4-Chlorotoluene				
		4995	4-Methyl-2-pentanone (MIBK)				
		4315	Acetone				
		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				
		4705	cis & trans-1,2-Dichloroethene				
		4645	cis-1,2-Dichloroethylene				
		4680	cis-1,3-Dichloropropene				
		4600	cis-1,4-Dichloro-2-butene				
		4765	Ethylbenzene				
		4835	Hexachlorobutadiene				
		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)				
		4435	n-Butylbenzene				
		5090	n-Propylbenzene				
		5005	Naphthalene				
		5250	o-Xylene				
4440	sec-Butylbenzene						
5100	Styrene						
4420	tert-Butyl alcohol						
4445	tert-Butylbenzene						



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Non-Potable Water	EPA 624.1				2016	10298121	Purgeables by GC/MS
		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
		5155	1,2,4-Trichlorobenzene				
		4610	1,2-Dichlorobenzene				
		6220	1,2-Diphenylhydrazine				
		4615	1,3-Dichlorobenzene				
		4620	1,4-Dichlorobenzene				
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether				
		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				
		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)				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS
		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				
		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				
		5670	Butyl benzyl phthalate				
		5680	Carbazole				
		5855	Chrysene				
		6065	Di(2-ethylhexyl) phthalate (bis (2-Ethylhexyl)phthalate, DEHP)				
		5925	Di-n-butyl phthalate				
		6200	Di-n-octyl phthalate				
		5895	Dibenz(a,h) anthracene				
		6070	Diethyl phthalate				
		6135	Dimethyl phthalate				
		6265	Fluoranthene				
6270	Fluorene						
6275	Hexachlorobenzene						
4835	Hexachlorobutadiene						
6285	Hexachlorocyclopentadiene						
4840	Hexachloroethane						
6315	Indeno(1,2,3-cd) pyrene						
6320	Isophorone						



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Non-Potable Water	EPA 625.1				2016	10300024	Base/Neutrals and Acids by GC/MS	
		6545	n-Nitrosodi-n-propylamine					
		6530	n-Nitrosodimethylamine					
		6535	n-Nitrosodiphenylamine					
		5005	Naphthalene					
		5015	Nitrobenzene					
		6605	Pentachlorophenol					
		6615	Phenanthrene					
		6625	Phenol					
		6665	Pyrene					
		5095	Pyridine					
		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 7471A				1994	10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption	
		1095	Mercury					
	EPA 8015B				1996	10173601	Non-halogenated organics using GC/FID	
		9369	Diesel range organics (DRO)					
		4747	Ethane					
		4752	Ethene					
		9408	Gasoline range organics (GRO)					
		4926	Methane					
		9499	Motor Oil					
		2050	Total Petroleum Hydrocarbons (TPH)					
	EPA 8081A				1996	10178606	Organochlorine Pesticides by GC/ECD	
		7355	4,4'-DDD					
		7360	4,4'-DDE					
		7365	4,4'-DDT					
		7025	Aldrin					



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8081A				1996	10178606	Organochlorine Pesticides by GC/ECD
		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				
		7810	Methoxychlor				
		8250	Toxaphene (Chlorinated camphene)				
			EPA 8082				1996
		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 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS
		5105	1,1,1,2-Tetrachloroethane				
		5160	1,1,1-Trichloroethane				
		5110	1,1,2,2-Tetrachloroethane				
		5165	1,1,2-Trichloroethane				
		4630	1,1-Dichloroethane				
		4640	1,1-Dichloroethylene				
		4670	1,1-Dichloropropene				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS
		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				
		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				
		4397	Bromoethane (Ethyl Bromide)				
		4400	Bromoform				
		4450	Carbon disulfide				
		4455	Carbon tetrachloride				
		4475	Chlorobenzene				
4575	Chlorodibromomethane						
4485	Chloroethane (Ethyl chloride)						
4505	Chloroform						



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Non-Potable Water	EPA 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS
		4705	cis & trans-1,2-Dichloroethene				
		4645	cis-1,2-Dichloroethylene				
		4680	cis-1,3-Dichloropropene				
		4600	cis-1,4-Dichloro-2-butene				
		9375	Di-isopropylether (DIPE)				
		4580	Dibromochloropropane				
		4595	Dibromomethane (Methylene bromide)				
		4625	Dichlorodifluoromethane (Freon-12)				
		4755	Ethyl acetate				
		4810	Ethyl methacrylate				
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)				
		4765	Ethylbenzene				
		9408	Gasoline range organics (GRO)				
		4835	Hexachlorobutadiene				
		4870	Iodomethane (Methyl iodide)				
		4900	Isopropylbenzene (Cumene)				
		5240	m+p-xylene				
		4925	Methacrylonitrile				
		4960	Methyl chloride (Chloromethane)				
		4990	Methyl methacrylate				
		5000	Methyl tert-butyl ether (MTBE)				
		4975	Methylene chloride (Dichloromethane)				
		4435	n-Butylbenzene				
		5090	n-Propylbenzene				
		5005	Naphthalene				
		5250	o-Xylene				
		5035	Pentachloroethane				
		5080	Propionitrile (Ethyl cyanide)				
		4440	sec-Butylbenzene				
		5100	Styrene				
		4370	T-amylmethylether (TAME)				
		4420	tert-Butyl alcohol				
4445	tert-Butylbenzene						
5115	Tetrachloroethylene (Perchloroethylene)						
5120	Tetrahydrofuran (THF)						



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Certificate: 4038 - 016

Issue Date: 1/30/2025 Expiration Date: 1/29/2026

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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS
		5140	Toluene				
		4027	Total BTEX				
		5205	Total trihalomethanes				
		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 8270C				1996	10185805	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), bis(2-Chloro-1-methylethyl)ether				
		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				
		6400	2-Methylphenol (o-Cresol)				
6460	2-Nitroaniline						
6490	2-Nitrophenol						
5945	3,3'-Dichlorobenzidine						
6405	3-Methylphenol (m-Cresol)						
6465	3-Nitroaniline						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8270C				1996	10185805	Semivolatile Organic compounds by GC/MS
		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				
		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				
		5670	Butyl benzyl phthalate				
		5855	Chrysene				
		6065	Di(2-ethylhexyl) phthalate (bis (2-Ethylhexyl)phthalate, DEHP)				
		5925	Di-n-butyl phthalate				
		6200	Di-n-octyl phthalate				
		5895	Dibenz(a,h) anthracene				
		5905	Dibenzofuran				
		6070	Diethyl phthalate				
		6135	Dimethyl phthalate				
		6265	Fluoranthene				
		6270	Fluorene				
6275	Hexachlorobenzene						
4835	Hexachlorobutadiene						
6285	Hexachlorocyclopentadiene						
4840	Hexachloroethane						
6315	Indeno(1,2,3-cd) pyrene						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Non-Potable Water	EPA 8270C				1996	10185805	Semivolatile Organic compounds by GC/MS
		6320	Isophorone				
		6545	n-Nitrosodi-n-propylamine				
		6530	n-Nitrosodimethylamine				
		6535	n-Nitrosodiphenylamine				
		5005	Naphthalene				
		5015	Nitrobenzene				
		6605	Pentachlorophenol				
		6615	Phenanthrene				
		6625	Phenol				
		6665	Pyrene				
	5095	Pyridine					
	EPA 9012A				1996	10193405	Total and Amenable Cyanide (automated colorimetric with off-line distillation)
		1510	Amenable cyanide				
		1635	Cyanide				
		1645	Total cyanide				
	EPA 9014				1996	10193803	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide
		1510	Amenable cyanide				
		1635	Cyanide				
		1645	Total cyanide				
	EPA 9040B				1995	10197203	pH Electrometric Measurement
		1900	pH				
	EPA 9045C				1995	10198400	Soil and Waste pH
		1900	pH				
	EPA 9214				1996	10206403	Potentiometric Determination of Fluoride in Aqueous Samples with Ion-Selective Electrode
		1730	Fluoride				
	SM 2120 B-2011				2011	20039310	Color - Visual Comparison Method
		1605	Color				
	SM 2130 B-2011				2011	20048220	Turbidity by Nephelometric Method
		2055	Turbidity				
	SM 2310 B-2011			online	2011	20044615	Acidity, as CaCO3
		1500	Acidity, as CaCO3				



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Non-Potable Water	SM 2320 B-2011	1505	Alkalinity as CaCO3		2011	20045618	Alkalinity as CaCO3
	SM 2340 B-2011	1750	Hardness	online		20046611	Hardness
	SM 2510 B-2011	1610	Conductivity		2011	20048617	Conductivity by Probe
	SM 2540 B-2011	1950	Residue-total	2011		20049416	Total Solids Dried at 103 - 105C
	SM 2540 C-2011	1955	Residue-filterable (TDS)	online	2011	20050413	Residue-filterable (TDS)
	SM 2540 D-2011	1960	Residue-nonfilterable (TSS)		2011	20051212	Total Suspended Solids Dried at 103 - 105 C
	SM 2540 E-2011	1725	Total, fixed, and volatile residue	2011		20051596	Fixed & Volatile Solids Ignited at 550 C
	SM 2540 F-2011	1965	Residue-settleable		2011	20052215	Settleable Solids
	SM 4500-CI G-2011	1945	Residual free chlorine	22nd ED	2011	20081623	Chlorine (Residual) by DPD Colorimetric Method
		1940	Total residual chlorine				
	SM 4500-CN E-2011	1645	Total cyanide	2011		20096428	Cyanide by Colormetric Method
	SM 4500-CN ⁻ G-2011	1510	Amenable cyanide		2011	20097227	Cyanides Amenable to Chlorination after Distillation
	SM 4500-F ⁻ C-2011	1730	Fluoride	online	2011	20102414	Fluoride by Ion Selective Electrode
	SM 4500-H ⁺ B-2011	1900	pH			20105220	pH - Electrometric Measurement
	SM 4500-NH3 G-2011	1515	Ammonia as N		2011	20111415	Nitrogen (Ammonia) - Automated Phenate Method
	SM 4500-NO3 ⁻ F-2011	1810	Nitrate as N		2011	20117628	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
	1820	Nitrate plus Nitrite as N					



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Non-Potable Water	SM 4500-NO3 ⁻ F-2011	1840	Nitrite as N		2011	20117628	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
	SM 4500-O G-2011	1880	Oxygen, dissolved	22nd ED	2011	20121668	Dissolved Oxygen by Membrane Electrode
	SM 4500-P E-97	1870	Orthophosphate as P		1997	20124203	Phosphorus by Ascorbic Acid Method
		1910	Phosphorus, total				
	SM 4500-S2 ⁻ D-2011	2005	Sulfide	online	2011	20125864	Sulfide by Methylene Blue Method
	SM 4500-SiO2 C-2011	1995	Silica-dissolved	online	2011	20128614	Silica - Dissolved
	SM 5210 B-2011	1530	Biochemical oxygen demand	online	2011	20135266	Biochemical Oxygen Demand (5 days @ 20 C).
		1555	Carbonaceous BOD, CBOD				
	SM 5220 D-2011			2011		20136816	Chemical Oxygen Demand by Closed Reflux and Colorimetric Determination
		1565	Chemical oxygen demand				
	SM 5310 B-2011	2040	Total organic carbon	2011		20137820	TOC by High-Temperature Combustion Method
	SM 5540 C-2011	2025	Surfactants - MBAS		2011	20145066	Surfactants as MBAS
	SM 9221 B (LTB) + C MPN	2500	Total coliforms	22nd	2006	20187228	Multiple Tube Fermentation Quantitative (LTB): Total Coliform
	SM 9221 B (LTB) + E (EC) + C MPN	2530	Fecal coliforms	22nd	2006	20189020	Multiple Tube Fermentation Quantitative (LTB/EC MUG): Total Coliform and Fecal coliform
	SM 9221 B plus F plus C-2006	2525	Escherichia coli	2006		20190823	Multiple-Tube Fermentation Technique for Members of the Coliform Group - Standard Total Coliform Fermentation Technique
	SM 9223 B (Colilert Quanti-Tray)-2004	2525	Escherichia coli	22nd Ed	2004	20211614	Enzyme Substrate Coliform Test (Colilert Quanti-Tray)
	2500	Total coliforms					



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Non-Potable Water	SM 9223 B (Colilert-18)	2525	Escherichia coli	22nd Ed	2004	20214419	Enzyme Substrate Coliform Test (Colilert-18)	
		2530	Fecal coliforms					
		2500	Total coliforms					
	SM 9230 B (BEA)	2520	Enterococci	22nd ED	2007	20037712	Fecal Streptococcus and Enterococcus Groups - Multiple Tube Technique	
		2540	Fecal streptococci					
	SM 9230 D Enterolert	2520	Enterococci			20219709	Fluorogenic Quantitative (Enterolert): Enterococci	
	Solids	CA Title 22 WET	1407	California Waste Extraction Test		1985	90017235	CA Waste Extraction Test (WET)
EPA 1010		1780	Ignitability		1986	10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability	
EPA 1030		1780	Ignitability		1996	10117201	Ignitability of Solids	
EPA 1311		1466	Toxicity Characteristic Leaching Procedure (TCLP)		1992	10118806	Toxicity Characteristic Leaching Procedure	
EPA 1312		1460	Synthetic Precipitation Leaching Procedure (SPLP)		1994	10119003	Synthetic Precipitation Leaching Procedure	
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						
	1835	Nitrite						
1840	Nitrite as N							
2000	Sulfate							



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Solids	EPA 6010B				1996	10155609	ICP - AES	
		1000	Aluminum					
		1005	Antimony					
		1010	Arsenic					
		1015	Barium					
		1020	Beryllium					
		1023	Bismuth					
		1025	Boron					
		1030	Cadmium					
		1035	Calcium					
		1040	Chromium					
		1050	Cobalt					
		1055	Copper					
		1760	Hardness (calc.)					
		1070	Iron					
		1075	Lead					
		1085	Magnesium					
		1090	Manganese					
		1100	Molybdenum					
		1105	Nickel					
		1910	Phosphorus, total					
		1125	Potassium					
		1140	Selenium					
		1990	Silica as SiO2					
		1145	Silicon					
		1150	Silver					
		1155	Sodium					
		1160	Strontium					
		2017	Sulfur					
		1165	Thallium					
		1175	Tin					
		1180	Titanium					
1185	Vanadium							
1190	Zinc							
	EPA 6020			Update II	1994	10156204	Inductively Coupled Plasma-Mass Spectrometry	
		1000	Aluminum					
		1005	Antimony					
		1010	Arsenic					
		1015	Barium					



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Solids	EPA 6020			Update II	1994	10156204	Inductively Coupled Plasma-Mass Spectrometry
		1020	Beryllium				
		1025	Boron				
		1030	Cadmium				
		1035	Calcium				
		1040	Chromium				
		1050	Cobalt				
		1055	Copper				
		1070	Iron				
		1075	Lead				
		1085	Magnesium				
		1090	Manganese				
		1100	Molybdenum				
		1105	Nickel				
		1910	Phosphorus, total				
		1125	Potassium				
		1140	Selenium				
		1150	Silver				
		1155	Sodium				
		1160	Strontium				
	1165	Thallium					
	1180	Titanium					
	1185	Vanadium					
	1190	Zinc					
	EPA 6020B			Update V	2014	10156420	Inductively Coupled Plasma-Mass Spectrometry
		1095	Mercury				
	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 7471A				1994	10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption
		1095	Mercury				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description		
Solids	EPA 8015B				1996	10173601	Non-halogenated organics using GC/FID		
		9369	Diesel range organics (DRO)						
		4747	Ethane						
		4752	Ethene						
		9408	Gasoline range organics (GRO)						
		4926	Methane						
		9499	Motor Oil						
		2050	Total Petroleum Hydrocarbons (TPH)						
		<hr/>							
			EPA 8081A				1996	10178606	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)						
		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)						
<hr/>									
	EPA 8082				1996	10179007	Polychlorinated Biphenyls (PCBs) by GC/ECD		
		8880	Aroclor-1016 (PCB-1016)						
		8885	Aroclor-1221 (PCB-1221)						



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Solids	EPA 8082	8890	Aroclor-1232 (PCB-1232)		1996	10179007	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)							
	EPA 8260B	1996	10184802					Volatile Organic Compounds by purge and trap GC/MS		
									5105	1,1,1,2-Tetrachloroethane
									5160	1,1,1-Trichloroethane
									5110	1,1,2,2-Tetrachloroethane
									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									
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)									



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Solids	EPA 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS
		4340	Acrylonitrile				
		4375	Benzene				
		4385	Bromobenzene				
		4390	Bromochloromethane				
		4395	Bromodichloromethane				
		4397	Bromoethane (Ethyl Bromide)				
		4400	Bromoform				
		4450	Carbon disulfide				
		4455	Carbon tetrachloride				
		4475	Chlorobenzene				
		4575	Chlorodibromomethane				
		4485	Chloroethane (Ethyl chloride)				
		4505	Chloroform				
		4705	cis & trans-1,2-Dichloroethene				
		4645	cis-1,2-Dichloroethylene				
		4680	cis-1,3-Dichloropropene				
		4600	cis-1,4-Dichloro-2-butene				
		9375	Di-isopropylether (DIPE)				
		4580	Dibromochloropropane				
		4595	Dibromomethane (Methylene bromide)				
		4625	Dichlorodifluoromethane (Freon-12)				
		4755	Ethyl acetate				
		4810	Ethyl methacrylate				
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)				
		4765	Ethylbenzene				
		9408	Gasoline range organics (GRO)				
		4835	Hexachlorobutadiene				
		4870	Iodomethane (Methyl iodide)				
		4900	Isopropylbenzene (Cumene)				
		5240	m+p-xylene				
		4925	Methacrylonitrile				
		4960	Methyl chloride (Chloromethane)				
4990	Methyl methacrylate						
5000	Methyl tert-butyl ether (MTBE)						
4975	Methylene chloride (Dichloromethane)						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description		
Solids	EPA 8260B				1996	10184802	Volatile Organic Compounds by purge and trap GC/MS		
		4435	n-Butylbenzene						
		5090	n-Propylbenzene						
		5005	Naphthalene						
		5250	o-Xylene						
		5035	Pentachloroethane						
		5080	Propionitrile (Ethyl cyanide)						
		4440	sec-Butylbenzene						
		5100	Styrene						
		4370	T-amylmethylether (TAME)						
		4420	tert-Butyl alcohol						
		4445	tert-Butylbenzene						
		5115	Tetrachloroethylene (Perchloroethylene)						
		5120	Tetrahydrofuran (THF)						
		5140	Toluene						
		4027	Total BTEX						
		5205	Total trihalomethanes						
		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 8270C				1996	10185805	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), bis(2-Chloro-1-methylethyl)ether						
		6835	2,4,5-Trichlorophenol						
		6840	2,4,6-Trichlorophenol						
		6000	2,4-Dichlorophenol						
		6130	2,4-Dimethylphenol						



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ORELAP Fields of Accreditation



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Certificate: 4038 - 016

Issue Date: 1/30/2025 Expiration Date: 1/29/2026

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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 8270C				1996	10185805	Semivolatile Organic compounds by GC/MS
		6175	2,4-Dinitrophenol				
		6185	2,4-Dinitrotoluene (2,4-DNT)				
		6005	2,6-Dichlorophenol				
		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				
		5545	Aniline				
		5555	Anthracene				
		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				
		5670	Butyl benzyl phthalate				
		5855	Chrysene				



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Solids	EPA 8270C				1996	10185805	Semivolatile Organic compounds by GC/MS	
		6065	Di(2-ethylhexyl) phthalate (bis (2-Ethylhexyl)phthalate, DEHP)					
		5925	Di-n-butyl phthalate					
		6200	Di-n-octyl phthalate					
		5895	Dibenz(a,h) anthracene					
		5905	Dibenzofuran					
		6070	Diethyl phthalate					
		6135	Dimethyl phthalate					
		6265	Fluoranthene					
		6270	Fluorene					
		6275	Hexachlorobenzene					
		4835	Hexachlorobutadiene					
		6285	Hexachlorocyclopentadiene					
		4840	Hexachloroethane					
		6315	Indeno(1,2,3-cd) pyrene					
		6320	Isophorone					
		6545	n-Nitrosodi-n-propylamine					
		6530	n-Nitrosodimethylamine					
		6535	n-Nitrosodiphenylamine					
		5005	Naphthalene					
		5015	Nitrobenzene					
		6605	Pentachlorophenol					
		6615	Phenanthrene					
		6625	Phenol					
		6665	Pyrene					
5095	Pyridine							
	EPA 9012A				1996	10193405	Total and Amenable Cyanide (automated colorimetric with off-line distillation)	
		1510	Amenable cyanide					
		1635	Cyanide					
		1645	Total cyanide					
	EPA 9014				1996	10193803	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide	
		1510	Amenable cyanide					
		1635	Cyanide					
		1645	Total cyanide					



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 9040B	1900	pH		1995	10197203	pH Electrometric Measurement
	EPA 9045C	1900	pH		1995	10198400	Soil and Waste pH
	EPA 9214	1730	Fluoride		1996	10206403	Potentiometric Determination of Fluoride in Aqueous Samples with Ion-Selective Electrode

