



# OREGON

## Environmental Laboratory Accreditation Program



NELAP Recognized

**Babcock Laboratories, Inc.**  
**4035**

6100 Quail Valley Court  
Riverside, CA 92507

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

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

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.

*Rizbeth Garcia for*

Gary K. Ward, MS  
Oregon State Public Health Laboratory  
ORELAP Administrator  
3150 NW. 229th Ave, Suite 100  
Hillsboro, OR 97124

EFFECTIVE DATE : 12/19/2016

EXPIRATION DATE : 12/18/2017

Certificate No : 4035 - 002





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## Environmental Laboratory Accreditation Program



### ORELAP Fields of Accreditation

ORELAP ID: 4035

Babcock Laboratories, Inc.

EPA CODE: CA00102

6100 Quail Valley Court

Certificate: 4035 - 002

Riverside, CA 92507

Issue Date: 12/19/2016 Expiration Date: 12/18/2017

As of 12/19/2016 this list supercedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Code	Description
Drinking Water	EPA 1312			10119003	Synthetic Precipitation Leaching Procedure
		8031	Extraction/Preparation		
Drinking Water	EPA 200.2			10013000	Sample Preparation Procedure for Spectrochemical Determination of Total Recoverable Elements - Revision 2.8
		8031	Extraction/Preparation		
Drinking Water	EPA 200.7 4.4			10013806	ICP - metals
		1000	Aluminum		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1040	Chromium		
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1085	Magnesium		
		1090	Manganese		
		1105	Nickel		
		1125	Potassium		
		1990	Silica as SiO <sub>2</sub>		
		1150	Silver		
		1155	Sodium		
		1185	Vanadium		
		1190	Zinc		
Drinking Water	EPA 200.7 5			10014003	ICP - metals
		1050	Cobalt		
Drinking Water	EPA 200.8 5.4			10014605	Metals by ICP-MS
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1030	Cadmium		
		1040	Chromium		
		1055	Copper		
		1075	Lead		



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### Drinking Water

EPA 200.8 5.4	1090	Manganese		
	1095	Mercury		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	3035	Uranium		
EPA 200.8 5.5			10014809	Metals by ICP-MS
	1050	Cobalt		
EPA 218.6			10027802	Dissolved Hexavalent Chromium by Ion Chromatography
	1045	Chromium VI		
EPA 218.7 1			10268414	Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-column Derivatization and UV-VIS Spectroscopic Determination
	1045	Chromium VI		
EPA 300.0 2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
	1575	Chloride		
	1730	Fluoride		
	1810	Nitrate as N		
	1820	Nitrate-nitrite		
	1840	Nitrite as N		
	2000	Sulfate		
EPA 300.1			10053608	Ion chromatography - anions.
	1535	Bromate		
	1540	Bromide		
	1570	Chlorate		
	1595	Chlorite		
EPA 314.0			10055400	Perchlorate in Drinking Water by Ion Chromatography
	1895	Perchlorate		
EPA 332.0 1.0			10059742	Determination of Perchlorate in Drinking Water by Ion Chromatography and Electrospray Mass Spectrometry
	1895	Perchlorate		
EPA 420.4			10080203	Phenolics, Total Recoverable by Semi-Automated Colorimetry
	1905	Total phenolics		



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EPA Code	Method	Parameter	Method	Scope
EPA 504.1			10082607	EDB/DBCP/TCP micro-extraction, GC/ECD
	4570	1,2-Dibromo-3-chloropropane (DBCP)		
	4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
EPA 505 2.1			10083406	Organohalide pesticides/PCBs (Drinking Water)
	7025	Aldrin		
	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)		
	7250	Chlordane (tech.)		
	7470	Dieldrin		
	7540	Endrin		
	7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	6275	Hexachlorobenzene		
	6285	Hexachlorocyclopentadiene		
	7810	Methoxychlor		
	8870	PCBs		
	8250	Toxaphene (Chlorinated camphene)		
EPA 515.3 1			10088401	Chlorinated acids Liquid/Solid and GC/ECD
	8655	2,4,5-T		
	8545	2,4-D		
	8560	2,4-DB		
	8600	3,5-Dichlorobenzoic acid		
	8505	Acifluorfen		
	8530	Bentazon		
	8550	Dacthal (DCPA)		
	8555	Dalapon		
	8595	Dicamba		
	8605	Dichloroprop (Dichlorprop)		
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
	6605	Pentachlorophenol		
	8645	Picloram		
	8650	Silvex (2,4,5-TP)		



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EPA 522 1	10088570	1,4-Dioxane in Drinking Water by SPE and GC/MS SIM
4735		1,4-Dioxane (1,4- Diethyleneoxide)
EPA 524.2 4.1	10088809	Volatile Organic Compounds GC/MS Capillary Column
5105		1,1,1,2-Tetrachloroethane
5185		1,1,1-Trichloro-2,2,2-trifluoroethane
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
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
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
4705		cis & trans-1,2-Dichloroethene
4645		cis-1,2-Dichloroethylene
4680		cis-1,3-Dichloropropene
4595		Dibromomethane (Methylene bromide)



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EPA 524.2 4.1	4625	Dichlorodifluoromethane (Freon-12)	
	9375	Di-isopropylether (DIPE)	
	4765	Ethylbenzene	
	4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	
	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)	
	5005	Naphthalene	
	4435	n-Butylbenzene	
	5090	n-Propylbenzene	
	5250	o-Xylene	
	4440	sec-Butylbenzene	
	5100	Styrene	
	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	
	5260	Xylene (total)	
EPA 524.3	10089302		EPA Method 524.3
	4630	1,1-Dichloroethane	
	5180	1,2,3-Trichloropropane	
	4390	Bromochloromethane	
	4950	Methyl bromide (Bromomethane)	
	4960	Methyl chloride (Chloromethane)	
	5090	n-Propylbenzene	
	4440	sec-Butylbenzene	
EPA 525.2 2	10090003		Semi-Volatile by SPE extraction and GC/MS
	5500	Acenaphthene	
	5505	Acenaphthylene	
	7005	Alachlor	



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EPA 525.2 2	5555	Anthracene	10287500	Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Gas Chromatography/Mass Spectrometry (GC/MS)
	7065	Atrazine		
	5575	Benzo(a)anthracene		
	5580	Benzo(a)pyrene		
	5600	Benzo(k)fluoranthene		
	5585	Benzo[b]fluoranthene		
	6062	bis(2-Ethylhexyl)adipate		
	7130	Bromacil		
	7160	Butachlor		
	5670	Butyl benzyl phthalate		
	5855	Chrysene		
	6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)		
	5895	Dibenz(a,h) anthracene		
	6070	Diethyl phthalate		
	6135	Dimethyl phthalate		
	5925	Di-n-butyl phthalate		
	6200	Di-n-octyl phthalate		
	6265	Fluoranthene		
	6270	Fluorene		
	6315	Indeno(1,2,3-cd) pyrene		
7835	Metolachlor			
7845	Metribuzin			
7875	Molinate			
5005	Naphthalene			
6615	Phenanthrene			
8035	Prometon			
6665	Pyrene			
8125	Simazine			
8220	Thiobencarb			
EPA 525.3 1			10091302	Carbamate Pesticides by Post-column Derivatization HPLC/Fluorescence
	7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
	7300	Chlorpyrifos		
	7570	Ethoprop		
	7705	Hexazinone		
	7975	Permethrin (total)		
EPA 531.2 1			10091302	Carbamate Pesticides by Post-column Derivatization HPLC/Fluorescence
	7710	3-Hydroxycarbofuran		
	7010	Aldicarb (Temik)		
	7015	Aldicarb sulfone		



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EPA 531.2 1	7020 Aldicarb sulfoxide		
	7195 Carbaryl (Sevin)		
	7205 Carbofuran (Furaden)		
	7800 Methiocarb (Mesurol)		
	7805 Methomyl (Lannate)		
	7940 Oxamyl		
	8080 Propoxur (Baygon)		
EPA 537 1.1		10091675	Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS
	6911 Perfluorobutane Sulfonate (PFBS)		
	6908 Perfluoroheptanoic acid (PFHA)		
	6910 Perfluorohexane Sulfonate (PFHS)		
	6906 Perfluorononanoic acid (PFNA)		
	6912 Perfluorooctanoic acid		
	6909 Perfluorooctanoic Sulfonate (PFOS)		
EPA 547		10092009	Glyphosate by Direct Aqueous Injection by Post-column Derivatization and HPLC/Fluorescence
	9411 Glyphosate		
EPA 548.1 1		10092805	Endothall by Ion Exchange, Methylation and GC/MS
	7525 Endothall		
EPA 552.3 1		10239608	Haloacetic Acid/Dalapon, Microextraction, Derivatization and GC/ECD
	9312 Bromoacetic acid		
	9315 Bromochloroacetic acid		
	8535 Bromodichloroacetic acid(BDCAA)		
	9336 Chloroacetic acid		
	9339 Chlorodibromoacetic acid(CDBAA)		
	9357 Dibromoacetic acid		
	9360 Dichloroacetic acid		
	9414 Total haloacetic acids		
	9639 Tribromoacetic acid (TBAA)		
	9642 Trichloroacetic acid		
OIA 1677		60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry
	1523 Available Cyanide		
SM 2120 B-93 online		20039207	Color by Visual Comparison Method
	1605 Color		
SM 2130 B-94 online		20042802	Turbidity by Nephelometric Method
	2055 Turbidity		
SM 2320 B-97 online		20045607	Alkalinity by Titration Method
	1505 Alkalinity as CaCO3		





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SM 2340 B-97 online		20046600	Hardness by calculation
	1550 Calcium hardness as CaCO <sub>3</sub>		
	1750 Hardness		
	1755 Total hardness as CaCO <sub>3</sub>		
SM 2510 B-97 online		20048606	Conductivity by Probe
	1610 Conductivity		
SM 2540 C 22nd Ed		20050424	Total Dissolved Solids Dried at 180 deg C
	1955 Residue-filterable (TDS)		
SM 2540 G- 1997		20005269	Total, Fixed, and Volatile Solids in Solid and Semisolid Samples
	1725 Total, fixed, and volatile residue		
SM 3112 B 19th ED		20057403	Mercury by Cold Vapor Atomic Absorption Spectrometry
	1095 Mercury		
SM 4500-CI G- 93 online		20081601	Chlorine by DPD Colorimetric Method
	1945 Residual free chlorine		
	1940 Total residual chlorine		
SM 4500-CIO <sub>2</sub> D 20th ED		20088806	Chlorine Dioxide by DPD Method
	1590 Chlorine dioxide, res. disinfectant		
SM 4500-CN <sup>-</sup> E-97 online		20096406	Cyanide by Colorimetric Method
	1635 Cyanide		
SM 4500-CN <sup>-</sup> G-97 online		20097205	Cyanide by Cyanides Amenable to Chlorination after Distillation
	1510 Amenable cyanide		
SM 4500-F <sup>-</sup> C- 97 online		20102403	Fluoride by Ion-Selective Electrode Method
	1730 Fluoride		
SM 4500-H <sup>+</sup> B- 2000 online		20105219	pH Value by Electrometric Method .
	1900 pH		
SM 4500-NH <sub>3</sub> H-97 online		20112203	Ammonia by Flow Injection Analysis
	1515 Ammonia as N		
SM 4500-NO <sub>2</sub> <sup>-</sup> B-2000 online		20113104	Nitrite by Colorimetric Determination
	1840 Nitrite as N		
SM 4500-P E- 97 online		20124203	Phosphorus by Ascorbic Acid Method
	1870 Orthophosphate as P		
SM 5310 B-96 online		20137808	TOC by High-Temperature Combustion Method
	1710 Dissolved organic carbon (DOC)		
	2040 Total organic carbon		



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SM 5540 C-93 online			20145000	Surfactants by Anionic Surfactants as MBAS
	2025	Surfactants - MBAS		
SM 5910 B 20th ED			20146003	UV absorbing organic constituents
	2060	UV 254		
SM 6251 B-94 online			20149206	Haloacetic acid (HAAs) by Micro Liquid-Liquid Extraction Gas Chromatographic Method
	9312	Bromoacetic acid		
	9315	Bromochloroacetic acid		
	9336	Chloroacetic acid		
	9357	Dibromoacetic acid		
	9360	Dichloroacetic acid		
	9414	Total haloacetic acids		
	9642	Trichloroacetic acid		
SM 9215 B (PCA)-94 online			20181606	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria
	2555	Heterotrophic plate count		
SM 9221 B (LTB) + E (EC) + C MPN-94 online			20189008	Multiple Tube Fermentation Quantitative (LTB/EC MUG): Total Coliform and Fecal coliform
	2525	Escherichia coli		
	2500	Total coliforms		
SM 9223 B (Colilert®)-97 online			20212606	Chromogenic/Fluorogenic Qualitative (Colilert®)-97: Total Coliform and E. coli
	2525	Escherichia coli		
	2530	Fecal coliforms		
	2500	Total coliforms		
SM 9223 B (Colilert®-18)- 97 online			20214602	Chromogenic/Fluorogenic Qualitative (Colilert®-18)-97: Total Coliform and E. coli
	2525	Escherichia coli		
	2530	Fecal coliforms		
	2500	Total coliforms		
SM 9223 B (Colitag) Qualitative			60030004	Chromogenic/Fluorogenic Qualitative (Colitag®): Total Coliform and E. coli
	2525	Escherichia coli		
	2500	Total coliforms		
SM 9230 B (NaCl) 20th ED			20216200	Multiple Tube Fermentation Quantitative: Enterococci
	2520	Enterococci		
SM 9230 D Enterolert			20219709	Fluorogenic Quantitative (Enterolert): Enterococci
	2520	Enterococci		
	2540	Fecal streptococci		



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### Non-Potable Water

CA Title 22 WET 1985		90017235	CA Waste Extraction Test (WET)
	8031	Extraction/Preparation	
EPA 1010		10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability
	1780	Ignitability	
EPA 1311		10118806	Toxicity Characteristic Leaching Procedure
	8031	Extraction/Preparation	
EPA 1312		10119003	Synthetic Precipitation Leaching Procedure
	8031	Extraction/Preparation	
EPA 160.4		10010409	Total Volatile Solids, ignition @ 550 C.
	1947	Residue - Fixed	
	1970	Residue-volatile	
	1970	Residue-volatile	
	4075	Vol. residue, density, water & solids content of coatings	
	2056	Volatile Dissolved Solids	
EPA 1664A (SGT-HEM)		10261606	Silica Gen Treated N-Hexane Extractable Material (Oil and Grease)
	1803	n-Hexane Extractable Material (O&G)	
	1860	Oil & Grease	
	2050	Total Petroleum Hydrocarbons (TPH)	
EPA 200.2		10013000	Sample Preparation Procedure for Spectrochemical Determination of Total Recoverable Elements - Revision 2.8
	8031	Extraction/Preparation	
EPA 200.7 4.4		10013806	ICP - metals
	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	
	1085	Magnesium	



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### Non-Potable Water

EPA 200.7 4.4	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1125	Potassium		
	1140	Selenium		
	1990	Silica as SiO <sub>2</sub>		
	1145	Silicon		
	1150	Silver		
	1155	Sodium		
	1160	Strontium		
	1165	Thallium		
	1175	Tin		
	1180	Titanium		
	1185	Vanadium		
1190	Zinc			
EPA 200.8 5.5			10014809	Metals by ICP-MS
	1000	Aluminum		
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1090	Manganese		
	1095	Mercury		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	1175	Tin		
	1185	Vanadium		
	1190	Zinc		
EPA 218.6			10027802	Dissolved Hexavalent Chromium by Ion Chromatography
	1045	Chromium VI		
EPA 218.7 1			10268414	Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-column Derivatization and UV-VIS Spectroscopic Determination
	1045	Chromium VI		



# OREGON

## Environmental Laboratory Accreditation Program

### ORELAP Fields of Accreditation

ORELAP ID: 4035

EPA CODE: CA00102

Certificate: 4035 - 002



Babcock Laboratories, Inc.

6100 Quail Valley Court

Riverside, CA 92507

Issue Date: 12/19/2016 Expiration Date: 12/18/2017

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### Non-Potable Water

EPA Method	Method Description	Method Number	Method Name
EPA 300.0 2.1		10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
1540	Bromide		
1575	Chloride		
1730	Fluoride		
1810	Nitrate as N		
1820	Nitrate-nitrite		
1840	Nitrite as N		
2000	Sulfate		
EPA 300.1		10053608	Ion chromatography - anions.
1535	Bromate		
1540	Bromide		
1570	Chlorate		
1595	Chlorite		
EPA 314.0		10055400	Perchlorate in Drinking Water by Ion Chromatography
1895	Perchlorate		
EPA 332.0 1.0		10059742	Determination of Perchlorate in Drinking Water by Ion Chromatography and Electrospray Mass Spectrometry
1895	Perchlorate		
EPA 3500C		10137403	Organic Extraction and sample preparation
8031	Extraction/Preparation		
EPA 351.2		10065006	Total Kjeldahl Nitrogen - Block Digest, Phenate
1790	Kjeldahl nitrogen		
EPA 3510C		10138202	Separatory Funnel Liquid-liquid extraction
8031	Extraction/Preparation		
EPA 3511		10279808	Organic Compounds in Water by Microextraction
8031	Extraction/Preparation		
EPA 3520C		10139001	Continuous Liquid-liquid extraction
8031	Extraction/Preparation		
EPA 3600C		10144000	Cleanup
8031	Extraction/Preparation		
EPA 3620C		10146006	Florisil Cleanup
8031	Extraction/Preparation		
EPA 3660B		10148400	Sulfur cleanup
8031	Extraction/Preparation		
EPA 3665A		10148808	Sulfuric Acid / permanganate Cleanup
8031	Extraction/Preparation		



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EPA 418.1	10079002	Petroleum Hydrocarbons - Spec. Infrared.
2050	Total Petroleum Hydrocarbons (TPH)	
EPA 420.4	10080203	Phenolics, Total Recoverable by Semi-Automated Colorimetry
1905	Total phenolics	
EPA 522.1	10088570	1,4-Dioxane in Drinking Water by SPE and GC/MS SIM
4735	1,4-Dioxane (1,4- Diethyleneoxide)	
EPA 531.2.1	10091302	Carbamate Pesticides by Post-column Derivitization HPLC/Fluorescence
7710	3-Hydroxycarbofuran	
7010	Aldicarb (Temik)	
7015	Aldicarb sulfone	
7020	Aldicarb sulfoxide	
7195	Carbaryl (Sevin)	
7205	Carbofuran (Furaden)	
7800	Methiocarb (Mesurol)	
7805	Methomyl (Lannate)	
7940	Oxamyl	
8080	Propoxur (Baygon)	
EPA 6010B	10155609	ICP - AES
1000	Aluminum	
1005	Antimony	
1010	Arsenic	
1015	Barium	
1020	Beryllium	
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	
1125	Potassium	
1140	Selenium	
1990	Silica as SiO2	
1145	Silicon	
1150	Silver	



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EPA 6010B	1155	Sodium	
	1160	Strontium	
	1165	Thallium	
	1175	Tin	
	1180	Titanium	
	1185	Vanadium	
	1190	Zinc	
EPA 6020	10156000	Inductively Coupled Plasma-Mass Spectrometry	
	1000	Aluminum	
	1005	Antimony	
	1010	Arsenic	
	1015	Barium	
	1020	Beryllium	
	1030	Cadmium	
	1040	Chromium	
	1050	Cobalt	
	1055	Copper	
	1075	Lead	
	1090	Manganese	
	1095	Mercury	
	1100	Molybdenum	
	1105	Nickel	
	1140	Selenium	
	1150	Silver	
	1165	Thallium	
	1175	Tin	
	1185	Vanadium	
	1190	Zinc	
EPA 608	10103603	Organochlorine Pesticides & 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)	



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EPA 608	7115	beta-BHC (beta-Hexachlorocyclohexane)	
	7250	Chlordane (tech.)	
	7105	delta-BHC	
	7470	Dieldrin	
	7510	Endosulfan I	
	7515	Endosulfan II	
	7520	Endosulfan sulfate	
	7540	Endrin	
	7530	Endrin aldehyde	
	7535	Endrin ketone	
	7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	
	7685	Heptachlor	
	7690	Heptachlor epoxide	
	7810	Methoxychlor	
	8250	Toxaphene (Chlorinated camphene)	
EPA 624	10107207	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	
	5195	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	
	4665	2,2-Dichloropropane	
	4410	2-Butanone (Methyl ethyl ketone, MEK)	
	4500	2-Chloroethyl vinyl ether	





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EPA 624

- 4535 2-Chlorotoluene
- 4860 2-Hexanone (MBK)
- 4540 4-Chlorotoluene
- 4910 4-Isopropyltoluene (p-Cymene)
- 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)
- 9375 Di-isopropylether (DIPE)
- 4765 Ethylbenzene
- 4770 Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)
- 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)
- 5005 Naphthalene
- 4425 n-Butyl alcohol (1-Butanol, n-Butanol)
- 4435 n-Butylbenzene
- 5090 n-Propylbenzene
- 5250 o-Xylene
- 4440 sec-Butylbenzene
- 5100 Styrene
- 4370 T-amylmethylether (TAME)
- 4445 tert-Butylbenzene
- 5115 Tetrachloroethylene (Perchloroethylene)



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EPA 624			
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		10300002	Base/Neutrals and Acids by GC/MS
5155	1,2,4-Trichlorobenzene		
4610	1,2-Dichlorobenzene		
4615	1,3-Dichlorobenzene		
4620	1,4-Dichlorobenzene		
6840	2,4,6-Trichlorophenol		
6000	2,4-Dichlorophenol		
6130	2,4-Dimethylphenol		
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)		
6490	2-Nitrophenol		
6412	3 & 4 Methylphenol		
7355	4,4'-DDD		
7360	4,4'-DDE		
7365	4,4'-DDT		
5660	4-Bromophenyl phenyl ether (BDE-3)		
5700	4-Chloro-3-methylphenol		
5825	4-Chlorophenyl phenylether		
6500	4-Nitrophenol		
5500	Acenaphthene		
5505	Acenaphthylene		
7025	Aldrin		
7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
5555	Anthracene		
5575	Benzo(a)anthracene		
5580	Benzo(a)pyrene		
5590	Benzo(g,h,i)perylene		



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EPA 625

- 5600 Benzo(k)fluoranthene
- 5585 Benzo[b]fluoranthene
- 7115 beta-BHC (beta-Hexachlorocyclohexane)
- 5760 bis(2-Chloroethoxy)methane
- 5765 bis(2-Chloroethyl) ether
- 5780 bis(2-Chloroisopropyl) ether
- 5670 Butyl benzyl phthalate
- 7250 Chlordane (tech.)
- 5855 Chrysene
- 7105 delta-BHC
- 6065 Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)
- 5895 Dibenz(a,h) anthracene
- 5905 Dibenzofuran
- 7470 Dieldrin
- 6070 Diethyl phthalate
- 6135 Dimethyl phthalate
- 5925 Di-n-butyl phthalate
- 6200 Di-n-octyl phthalate
- 7510 Endosulfan I
- 7515 Endosulfan II
- 7520 Endosulfan sulfate
- 7540 Endrin
- 6265 Fluoranthene
- 6270 Fluorene
- 7120 gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)
- 7685 Heptachlor
- 7690 Heptachlor epoxide
- 6275 Hexachlorobenzene
- 4835 Hexachlorobutadiene
- 6285 Hexachlorocyclopentadiene
- 4840 Hexachloroethane
- 6315 Indeno(1,2,3-cd) pyrene
- 6320 Isophorone
- 7810 Methoxychlor
- 5005 Naphthalene
- 5015 Nitrobenzene
- 6530 n-Nitrosodimethylamine
- 6545 n-Nitrosodi-n-propylamine
- 6535 n-Nitrosodiphenylamine
- 6605 Pentachlorophenol
- 6615 Phenanthrene



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EPA 625	6625	Phenol		
	6665	Pyrene		
	8250	Toxaphene (Chlorinated camphene)		
EPA 6860			10304800	Perchlorate in Water, Soils and Solid Wastes Using Ion Chromatography/Electrospray Ionization/Mass Spectrometry
	1895	Perchlorate		
EPA 7196A			10162400	Chromium Hexavalent colorimetric
	1045	Chromium VI		
EPA 7199			10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
	1045	Chromium VI		
EPA 7471A			10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 8011			10173009	1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and GC/ECD
	4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
	4580	Dibromochloropropane		
EPA 8015B			10173601	Non-halogenated organics using GC/FID
	9369	Diesel range organics (DRO)		
	9408	Gasoline range organics (GRO)		
	9488	Jet Fuel		
	9409	Kerosene		
	9410	Mineral Spirits		
	9499	Motor Oil		
	9506	Residual Range Organics (RRO)		
	2050	Total Petroleum Hydrocarbons (TPH)		
	1935	Total recoverable petroleum hydrocarbons (TRPH)		
EPA 8081A			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.)		
	7105	delta-BHC		



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EPA 8081A	7470	Dieldrin		
	7510	Endosulfan I		
	7515	Endosulfan II		
	7520	Endosulfan sulfate		
	7540	Endrin		
	7530	Endrin aldehyde		
	7535	Endrin ketone		
	7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	7810	Methoxychlor		
	8250	Toxaphene (Chlorinated camphene)		
EPA 8082A			10179201	Polychlorinated Biphenyls (PCBs) by GC/ECD
	8880	Aroclor-1016 (PCB-1016)		
	8885	Aroclor-1221 (PCB-1221)		
	8890	Aroclor-1232 (PCB-1232)		
	8895	Aroclor-1242 (PCB-1242)		
	8900	Aroclor-1248 (PCB-1248)		
	8905	Aroclor-1254 (PCB-1254)		
	8910	Aroclor-1260 (PCB-1260)		
	9105	Decachlorobiphenyl (BZ-209)		
EPA 8151A			10183207	Chlorinated Herbicides by GC/ECD
	8655	2,4,5-T		
	8545	2,4-D		
	8560	2,4-DB		
	8600	3,5-Dichlorobenzoic acid		
	8530	Bentazon		
	8550	Dacthal (DCPA)		
	8555	Dalapon		
	8595	Dicamba		
	8605	Dichloroprop (Dichlorprop)		
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
	6605	Pentachlorophenol		
	8645	Picloram		
	8650	Silvex (2,4,5-TP)		
EPA 8260C			10307003	Volatile Organics: GC/MS (capillary column)
	5105	1,1,1,2-Tetrachloroethane		
	5160	1,1,1-Trichloroethane		
	5110	1,1,2,2-Tetrachloroethane		
	5165	1,1,2-Trichloroethane		



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EPA 8260C

- 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
- 4910 4-Isopropyltoluene (p-Cymene)
- 4995 4-Methyl-2-pentanone (MIBK)
- 4315 Acetone
- 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
- 4595 Dibromomethane (Methylene bromide)
- 4625 Dichlorodifluoromethane (Freon-12)
- 9375 Di-isopropylether (DIPE)
- 4765 Ethylbenzene



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EPA 8260C	4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	
	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)	
	5005	Naphthalene	
	4435	n-Butylbenzene	
	5090	n-Propylbenzene	
	5250	o-Xylene	
	4440	sec-Butylbenzene	
	5100	Styrene	
	4370	T-amylmethylether (TAME)	
	4420	tert-Butyl alcohol	
	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 8270C	10185805	Semivolatile Organic compounds by GC/MS	
	5155	1,2,4-Trichlorobenzene	
	4610	1,2-Dichlorobenzene	
	4615	1,3-Dichlorobenzene	
	4620	1,4-Dichlorobenzene	
	6840	2,4,6-Trichlorophenol	
	6000	2,4-Dichlorophenol	
	6130	2,4-Dimethylphenol	
	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	



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EPA 8270C

- |      |   |
|------|---|
| 6400 | 2-Methylphenol (o-Cresol)                                     |
| 6490 | 2-Nitrophenol   |
| 6412 | 3 & 4 Methylphenol  |
| 7355 | 4,4'-DDD  |
| 7360 | 4,4'-DDE  |
| 7365 | 4,4'-DDT  |
| 5660 | 4-Bromophenyl phenyl ether (BDE-3)                            |
| 5700 | 4-Chloro-3-methylphenol                                       |
| 5825 | 4-Chlorophenyl phenylether                                    |
| 6500 | 4-Nitrophenol   |
| 5500 | Acenaphthene  |
| 5505 | Acenaphthylene  |
| 7025 | Aldrin  |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane)                       |
| 5555 | Anthracene  |
| 7075 | Azinphos-methyl (Guthion)                                     |
| 5575 | Benzo(a)anthracene  |
| 5580 | Benzo(a)pyrene  |
| 5590 | Benzo(g,h,i)perylene  |
| 5600 | Benzo(k)fluoranthene  |
| 5585 | Benzo[b]fluoranthene  |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane)                         |
| 5760 | bis(2-Chloroethoxy)methane                                    |
| 5765 | bis(2-Chloroethyl) ether                                      |
| 5780 | bis(2-Chloroisopropyl) ether                                  |
| 5670 | Butyl benzyl phthalate  |
| 7300 | Chlorpyrifos  |
| 5855 | Chrysene  |
| 7105 | delta-BHC   |
| 7390 | Demeton   |
| 7395 | Demeton-o   |
| 7385 | Demeton-s   |
| 6065 | Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP) |
| 7410 | Diazinon  |
| 5895 | Dibenz(a,h) anthracene  |
| 5905 | Dibenzofuran  |
| 8610 | Dichlorovos (DDVP, Dichlorvos)                                |
| 7470 | Dieldrin  |
| 6070 | Diethyl phthalate   |
| 7475 | Dimethoate  |
| 6135 | Dimethyl phthalate  |





# OREGON

## Environmental Laboratory Accreditation Program



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Babcock Laboratories, Inc.

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6100 Quail Valley Court

Certificate: 4035 - 002

Riverside, CA 92507

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### Non-Potable Water

EPA 8270C		
5925	Di-n-butyl phthalate	
6200	Di-n-octyl phthalate	
8625	Disulfoton	
7510	Endosulfan I	
7515	Endosulfan II	
7520	Endosulfan sulfate	
7540	Endrin	
7565	Ethion	
7570	Ethoprop	
6265	Fluoranthene	
6270	Fluorene	
7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	
7685	Heptachlor	
7690	Heptachlor epoxide	
6275	Hexachlorobenzene	
4835	Hexachlorobutadiene	
6285	Hexachlorocyclopentadiene	
4840	Hexachloroethane	
6315	Indeno(1,2,3-cd) pyrene	
6320	Isophorone	
7740	Kepone	
7770	Malathion	
7810	Methoxychlor	
7825	Methyl parathion (Parathion, methyl)	
7870	Mirex	
5005	Naphthalene	
6530	n-Nitrosodimethylamine	
6545	n-Nitrosodi-n-propylamine	
6535	n-Nitrosodiphenylamine	
7955	Parathion, ethyl	
6605	Pentachlorophenol	
6615	Phenanthrene	
6625	Phenol	
7985	Phorate	
6665	Pyrene	
8110	Ronnel	

EPA 8270C  
SIM

10242407

Semivolatile Organic compounds by  
GC/MS Selective Ion Monitoring

4735	1,4-Dioxane (1,4- Diethyleneoxide)
7250	Chlordane (tech.)
6530	n-Nitrosodimethylamine



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#### Non-Potable Water

EPA 9012A		10193405	Total and Amenable Cyanide (automated colorimetric with off-line distillation)
	1510	Amenable cyanide	
	1635	Cyanide	
	1645	Total cyanide	
EPA 9045C		10198400	Soil and Waste pH
	1900	pH	
EPA 9214		10206403	Potentiometric Determination of Fluoride in Aqueous Samples with Ion-Selective Electrode
	1730	Fluoride	
OIA 1677		60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry
	1523	Available Cyanide	
SM 2120 B-93 online		20039207	Color by Visual Comparison Method
	1605	Color	
SM 2130 B-94 online		20042802	Turbidity by Nephelometric Method
	2055	Turbidity	
SM 2320 B 22nd Ed		20045414	Alkalinity by Titration
	1505	Alkalinity as CaCO3	
SM 2510 B 22nd Ed		20048413	Conductivity by Probe
	1610	Conductivity	
SM 2540 B-97 1997		20049405	Total Solids Dried at 103 - 105C
	1950	Residue-total	
SM 2540 C 22nd Ed		20050424	Total Dissolved Solids Dried at 180 deg C
	1955	Residue-filterable (TDS)	
SM 2540 D-2011		20051212	Total Suspended Solids Dried at 103 - 105 C
	1960	Residue-nonfilterable (TSS)	
SM 2540 E-1997		20051585	Fixed & Volatile Solids Ignited at 550 C
	1725	Total, fixed, and volatile residue	
SM 2540 F-97 online		20052204	Settleable Solids
	1965	Residue-settleable	
SM 3112 B 19th ED		20057403	Mercury by Cold Vapor Atomic Absorption Spectrometry
	1095	Mercury	
SM 3500-Cr B-2009 online		20066255	Chromium by Colorimetric Method
	1045	Chromium VI	
SM 4500-Cl G-93 online		20081601	Chlorine by DPD Colorimetric Method
	1945	Residual free chlorine	



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SM 4500-Cl G-93 online	1940	Total residual chlorine		
SM 4500-CN <sup>-</sup> E-97 online	1635	Cyanide	20096406	Cyanide by Colorimetric Method
SM 4500-CN <sup>-</sup> G-97 online	1510	Amenable cyanide	20097205	Cyanide by Cyanides Amenable to Chlorination after Distillation
SM 4500-F <sup>-</sup> C-97 online	1730	Fluoride	20102403	Fluoride by Ion-Selective Electrode Method
SM 4500-H <sup>+</sup> B-2000 online	1900	pH	20105219	pH Value by Electrometric Method .
SM 4500-NH <sub>3</sub> H-97 online	1515	Ammonia as N	20112203	Ammonia by Flow Injection Analysis
SM 4500-NO <sub>2</sub> <sup>-</sup> B-2000 online	1835	Nitrite	20113104	Nitrite by Colorimetric Determination
	1840	Nitrite as N		
SM 4500-P E-97 online	1870	Orthophosphate as P	20124203	Phosphorus by Ascorbic Acid Method
	1910	Phosphorus, total		
SM 4500-S <sub>2</sub> <sup>-</sup> D-97 online	2005	Sulfide	20125808	Sulfide by Methylene Blue Method
SM 5210 B-2001 online	1530	Biochemical oxygen demand	20135255	Biochemical Oxygen Demand (BOD), 5-Day
	1555	Carbonaceous BOD, CBOD		
SM 5220 D-97 online	1565	Chemical oxygen demand	20136805	COD by Closed Reflux, Colorimetric Method
SM 5310 B-96 online	1710	Dissolved organic carbon (DOC)	20137808	TOC by High-Temperature Combustion Method
	2040	Total organic carbon		
SM 5540 C-93 online	2025	Surfactants - MBAS	20145000	Surfactants by Anionic Surfactants as MBAS
SM 5910 B 20th ED	2060	UV 254	20146003	UV absorbing organic constituents
SM 9215 B (PCA)-94 online	2555	Heterotrophic plate count	20181606	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria



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### Non-Potable Water

SM 9221 B (LTB) + E (EC) + C MPN-94 online	2525	Escherichia coli	20189008	Multiple Tube Fermentation Quantitative (LTB/EC MUG): Total Coliform and Fecal coliform
	2500	Total coliforms		
SM 9223 B (Colilert®)-97 online	2525	Escherichia coli	20212606	Chromogenic/Fluorogenic Qualitative (Colilert®)-97: Total Coliform and E. coli
	2530	Fecal coliforms		
	2500	Total coliforms		
SM 9223 B (Colilert®-18)-97 online	2525	Escherichia coli	20214602	Chromogenic/Fluorogenic Qualitative (Colilert®-18)-97: Total Coliform and E. coli
	2530	Fecal coliforms		
	2500	Total coliforms		
SM 9223 B (Colitag) Qualitative	2525	Escherichia coli	60030004	Chromogenic/Fluorogenic Qualitative (Colitag®): Total Coliform and E. coli
	2500	Total coliforms		
SM 9230 B (NaCl) 20th ED	2520	Enterococci	20216200	Multiple Tube Fermentation Quantitative: Enterococci
SM 9230 D Enterolert	2520	Enterococci	20219709	Fluorogenic Quantitative (Enterolert): Enterococci
	2540	Fecal streptococci		

### Solids

ASTM D7511-09	1645	Total cyanide	30032985	Total Cyanide by Segmented Flow Injection: In-line UV Digestion & Ampermetric Detection
CA Title 22 WET 1985	8031	Extraction/Preparation	90017235	CA Waste Extraction Test (WET)
EPA 1010	1780	Ignitability	10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability
EPA 1311	8031	Extraction/Preparation	10118806	Toxicity Characteristic Leaching Procedure
EPA 1312	8031	Extraction/Preparation	10119003	Synthetic Precipitation Leaching Procedure
EPA 200.2	8031	Extraction/Preparation	10013000	Sample Preparation Procedure for Spectrochemical Determination of Total Recoverable Elements - Revision 2.8



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### Solids

EPA 200.7 4.4

10013806

ICP - metals

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

EPA 200.7 5

10014003

ICP - metals

- 1035 Calcium
- 1085 Magnesium

EPA 200.8 5.5

10014809

Metals by ICP-MS

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

EPA 200.8 5.4

10014605

Metals by ICP-MS

- 1095 Mercury

EPA 3050B

10135601

Acid Digestion of Sediments, Sludges, and soils

- 8031 Extraction/Preparation



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Method	Code	Method Name	Method Description
Solids	EPA 3051A		10136002 Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils
	8031	Extraction/Preparation	
	EPA 3052		10136206 Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices
	8031	Extraction/Preparation	
	EPA 332.0 1.0		10059742 Determination of Perchlorate in Drinking Water by Ion Chromatography and Electro spray Mass Spectrometry
	1895	Perchlorate	
	EPA 3500C		10137403 Organic Extraction and sample preparation
	8031	Extraction/Preparation	
	EPA 3546		10141205 Microwave Extraction
	8031	Extraction/Preparation	
	EPA 3550C		10142004 Ultrasonic Extraction
	8031	Extraction/Preparation	
	EPA 3580A		10143007 Waste Dilution
	8031	Extraction/Preparation	
	EPA 3600C		10144000 Cleanup
	8031	Extraction/Preparation	
	EPA 3620C		10146006 Florisil Cleanup
	8031	Extraction/Preparation	
	EPA 3660B		10148400 Sulfur cleanup
	8031	Extraction/Preparation	
	EPA 3665A		10148808 Sulfuric Acid / permanganate Cleanup
	8031	Extraction/Preparation	
	EPA 418.1		10079002 Petroleum Hydrocarbons - Spec. Infrared.
	1860	Oil & Grease	
	2050	Total Petroleum Hydrocarbons (TPH)	
	EPA 6010B		10155609 ICP - AES
	1005	Antimony	
	1010	Arsenic	
	1015	Barium	
	1020	Beryllium	
	1030	Cadmium	
	1035	Calcium	
	1040	Chromium	
	1050	Cobalt	
	1055	Copper	



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Field	Method	Parameter	Method	Description
Solids	EPA 6010B	1075	Lead	
		1085	Magnesium	
		1100	Molybdenum	
		1105	Nickel	
		1140	Selenium	
		1150	Silver	
		1165	Thallium	
		1185	Vanadium	
		1190	Zinc	
		EPA 6020	10156000	Inductively Coupled Plasma-Mass Spectrometry
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	1185	Vanadium		
	1190	Zinc		
EPA 6860	10304800	Perchlorate in Water, Soils and Solid Wastes Using Ion Chromatography/Electrospray Ionization/Mass Spectrometry		
	1895	Perchlorate		
EPA 7196A	10162400	Chromium Hexavalent colorimetric		
	1045	Chromium VI		
EPA 7199	10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography		
	1045	Chromium VI		
EPA 7471A	10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption		
	1095	Mercury		
EPA 8015B	10173601	Non-halogenated organics using GC/FID		
	9369	Diesel range organics (DRO)		
	9408	Gasoline range organics (GRO)		



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#### Solids

EPA 8015B	9488	Jet Fuel	
	9409	Kerosene	
	9410	Mineral Spirits	
	9499	Motor Oil	
	9506	Residual Range Organics (RRO)	
	2050	Total Petroleum Hydrocarbons (TPH)	
	1935	Total recoverable petroleum hydrocarbons (TRPH)	
EPA 8081A	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.)	
	7105	delta-BHC	
	7470	Dieldrin	
	7510	Endosulfan I	
	7515	Endosulfan II	
	7520	Endosulfan sulfate	
	7540	Endrin	
	7530	Endrin aldehyde	
	7535	Endrin ketone	
	7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	
	7685	Heptachlor	
	7690	Heptachlor epoxide	
	7810	Methoxychlor	
	8250	Toxaphene (Chlorinated camphene)	
EPA 8082A	10179201	Polychlorinated Biphenyls (PCBs) by GC/ECD	
	8880	Aroclor-1016 (PCB-1016)	
	8885	Aroclor-1221 (PCB-1221)	
	8890	Aroclor-1232 (PCB-1232)	
	8895	Aroclor-1242 (PCB-1242)	
	8900	Aroclor-1248 (PCB-1248)	
	8905	Aroclor-1254 (PCB-1254)	
	8910	Aroclor-1260 (PCB-1260)	
	9105	Decachlorobiphenyl (BZ-209)	
EPA 8151A	10183207	Chlorinated Herbicides by GC/ECD	
	8655	2,4,5-T	





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#### Solids

EPA 8151A	8545	2,4-D	
	8560	2,4-DB	
	8555	Dalapon	
	8595	Dicamba	
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	
	6605	Pentachlorophenol	
	8650	Silvex (2,4,5-TP)	
EPA 8260C	10307003	10307003	Volatile Organics: GC/MS (capillary column)
	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	
	4910	4-Isopropyltoluene (p-Cymene)	
	4995	4-Methyl-2-pentanone (MIBK)	
	4315	Acetone	
	4375	Benzene	
	4385	Bromobenzene	
	4390	Bromochloromethane	
	4395	Bromodichloromethane	



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### Solids

EPA 8260C

- 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
- 4595 Dibromomethane (Methylene bromide)
- 4625 Dichlorodifluoromethane (Freon-12)
- 9375 Di-isopropylether (DIPE)
- 4765 Ethylbenzene
- 4770 Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)
- 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)
- 5005 Naphthalene
- 4435 n-Butylbenzene
- 5090 n-Propylbenzene
- 5250 o-Xylene
- 4440 sec-Butylbenzene
- 5100 Styrene
- 4370 T-amylmethylether (TAME)
- 4420 tert-Butyl alcohol
- 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 8270C

10185805

Semivolatile Organic compounds by GC/MS

- 5155 1,2,4-Trichlorobenzene



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Solids	EPA 8270C	4610	1,2-Dichlorobenzene
		4615	1,3-Dichlorobenzene
		4620	1,4-Dichlorobenzene
		6835	2,4,5-Trichlorophenol
		6840	2,4,6-Trichlorophenol
		6000	2,4-Dichlorophenol
		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
		7355	4,4'-DDD
		7360	4,4'-DDE
		7365	4,4'-DDT
		5660	4-Bromophenyl phenyl ether (BDE-3)
		5700	4-Chloro-3-methylphenol
		5825	4-Chlorophenyl phenylether
		6470	4-Nitroaniline
		6500	4-Nitrophenol
		5500	Acenaphthene
		5505	Acenaphthylene
		7025	Aldrin
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)
		5545	Aniline
		5555	Anthracene
		7075	Azinphos-methyl (Guthion)
		5595	Benzidine
		5575	Benzo(a)anthracene
		5580	Benzo(a)pyrene
		5590	Benzo(g,h,i)perylene
		5600	Benzo(k)fluoranthene
		5585	Benzo[b]fluoranthene
		5630	Benzyl alcohol
		7115	beta-BHC (beta-Hexachlorocyclohexane)



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Issue Date: 12/19/2016 Expiration Date: 12/18/2017

**As of 12/19/2016 this list supercedes all previous lists for this certificate number.**

Solids	EPA 8270C	5760	bis(2-Chloroethoxy)methane
		5765	bis(2-Chloroethyl) ether
		5780	bis(2-Chloroisopropyl) ether
		5670	Butyl benzyl phthalate
		5855	Chrysene
		7105	delta-BHC
		7390	Demeton
		7395	Demeton-o
		7385	Demeton-s
		6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)
		5895	Dibenz(a,h) anthracene
		5905	Dibenzofuran
		7470	Dieldrin
		6070	Diethyl phthalate
		6135	Dimethyl phthalate
		5925	Di-n-butyl phthalate
		6200	Di-n-octyl phthalate
		8625	Disulfoton
		7510	Endosulfan I
		7515	Endosulfan II
		7520	Endosulfan sulfate
		7540	Endrin
		6265	Fluoranthene
		6270	Fluorene
		7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)
		7685	Heptachlor
		7690	Heptachlor epoxide
		6275	Hexachlorobenzene
		4835	Hexachlorobutadiene
		6285	Hexachlorocyclopentadiene
		4840	Hexachloroethane
		6315	Indeno(1,2,3-cd) pyrene
		6320	Isophorone
		7740	Kepone
		7770	Malathion
		7810	Methoxychlor
		7825	Methyl parathion (Parathion, methyl)
		7870	Mirex
		5005	Naphthalene
		5015	Nitrobenzene
		6530	n-Nitrosodimethylamine
		6545	n-Nitrosodi-n-propylamine

**Solids**

EPA 8270C SIM	6535	n-Nitrosodiphenylamine	10242407	Semivolatile Organic compounds by GC/MS Selective Ion Monitoring
	7955	Parathion, ethyl		
	6605	Pentachlorophenol		
	6615	Phenanthrene		
	6625	Phenol		
	7985	Phorate		
	6665	Pyrene		
	5095	Pyridine		
8110	Ronnel			
EPA 9012A	7250	Chlordane (tech.)	10193405	Total and Amenable Cyanide (automated colorimetric with off-line distillation)
	1635	Cyanide		
	1645	Total cyanide		
EPA 9045C			10198400	Soil and Waste pH
	1900	pH		
EPA 9214			10206403	Potentiometric Determination of Fluoride in Aqueous Samples with Ion-Selective Electrode
	1730	Fluoride		
SM 2540 G-1997			20005269	Total, Fixed, and Volatile Solids in Solid and Semisolid Samples
	1725	Total, fixed, and volatile residue		

