



# OREGON

## Environmental Laboratory Accreditation Program



### ORELAP Fields of Accreditation

ORELAP ID: OR100028

Pixis Labs - Portland

EPA CODE: OR00011

12423 NE Whitaker Way

Certificate: OR100028 - 013

Portland, OR 97230

Issue Date: 8/9/2016 Expiration Date: 6/29/2017

As of 8/9/2016 this list supercedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Code	Description
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### Biological Tissue

AOAC 2007.1 & EN 15662

805

Pesticides by LC-MS-MS

7366	Abamectin
7000	Acephate
700	Acequinocyl
701	Acetamiprid
7010	Aldicarb (Temik)
702	Azoxystrobin
7116	Bifenazate
7117	Bifenthrin
703	Boscalid
7195	Carbaryl (Sevin)
7205	Carbofuran (Furaden)
704	Chlorantraniliprole
705	Chlorfenapyr
7300	Chlorpyrifos
706	Clofentezine
7345	Cyfluthrin
7346	Cypermethrin
707	Daminozide
7410	Diazinon
8610	Dichlorvos (DDVP, Dichlorvos)
7475	Dimethoate
7570	Ethoprop
708	Etofenprox
709	Etoxazole
710	Fenoxycarb
711	Fenpyroximate
712	Fipronil
713	Flonicamid
714	Fludioxonil
715	Hexythiazox
716	Imazalil
7702	Imidacloprid
728	Kresoxim-methyl
7770	Malathion
7790	Metalaxyl
7800	Methiocarb (Mesurol)
7805	Methomyl (Lannate)
7825	Methyl parathion (Parathion, methyl)
7860	MGK-264



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AOAC 2007.1 & EN 15662	7893	Myclobutanil		
	7905	Naled		
	7940	Oxamyl		
	7947	Pacllobutrazol		
	7975	Permethrin (total)		
	8000	Phosmet (Imidan)		
	9550	Piperonyl butoxide		
	203	Prallethrin		
	717	Propiconazole		
	8080	Propoxur (Baygon)		
	718	Pyrethrins (total)		
	719	Pyridaben		
	720	Spinosad		
	721	Spiromesifen		
	722	Spirotetramat		
723	Spiroxamine			
724	Tebuconazole			
725	Thiacloprid			
726	Thiamethoxam			
727	Trifloxystrobin			
AOAC 2014.05			803	Yeast and Mold Counts
	900	Yeast & Mold		
AOAC 966.02			810	Moisture
	3850	Moisture content		
AOAC 978.18			809	Water Activity
	910	Water Activity		
AOAC 991.14			801	Total Coliform and E. coli Count
	2525	Escherichia coli		
	2500	Total coliforms		
AOAC 997.02			802	Yeast and Mold Counts
	900	Yeast & Mold		
AOAC R1 080601			800	Salmonella Test
	2570	Salmonella		
ORELAP-SOP-001 2.0			9000110	Protocol for Collecting Samples of Usable Marijuana
	1405	Incremental Sampling		
	1441	Sampling		
ORELAP-SOP-002 2.0			9000111	Protocol for Collecting Samples of Cannabis Concentrates and Extracts
	1405	Incremental Sampling		
	1441	Sampling		



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Field	Standard	Method	Parameter	Method
Biological Tissue	ORELAP-SOP-003 2.0	1405	Incremental Sampling	9000112 Protocol for Collecting Samples of Cannabinoid Products
		1441	Sampling	
	Perkin Elmer 2013-2015	804	Cannabinoids by HPLC-UV	
		5415	Cannabidiol (CBD)	
		5420	Cannabidolic acid (CBDA)	
		5430	Cannabinol (CBN)	
		5405	Tetrahydrocannabinol (THC)	
5410	Tetrahydrocannabinolic acid (THCA)			
Drinking Water	EPA 200.7 4.4	1000	Aluminum	10013806 ICP - 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			
1185	Vanadium			
1190	Zinc			
	EPA 200.8 5.4	1000	Aluminum	10014605 Metals by ICP-MS
		1005	Antimony	
		1010	Arsenic	
		1015	Barium	
		1020	Beryllium	



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EPA 200.8 5.4	1025	Boron		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1080	Lithium		
	1090	Manganese		
	1095	Mercury		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1160	Strontium		
1165	Thallium			
1175	Tin			
1180	Titanium			
1185	Vanadium			
1190	Zinc			
EPA 245.1 3			10036609	Mercury by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 300.0 2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
	1575	Chloride		
	1730	Fluoride		
	1810	Nitrate as N		
	1820	Nitrate-nitrite		
	1840	Nitrite as N		
	1870	Orthophosphate as P		
	2000	Sulfate		
EPA 524.2 4.1			10088809	Volatile Organic Compounds 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			



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EPA 524.2 4.1	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
	4535	2-Chlorotoluene
	4540	4-Chlorotoluene
	4910	4-Isopropyltoluene (p-Cymene)
	4375	Benzene
	4385	Bromobenzene
	4390	Bromochloromethane
	4395	Bromodichloromethane
	4400	Bromoform
	4455	Carbon tetrachloride
	4475	Chlorobenzene
	4575	Chlorodibromomethane
	4485	Chloroethane (Ethyl chloride)
	4505	Chloroform
	4645	cis-1,2-Dichloroethylene
	4680	cis-1,3-Dichloropropene
	4595	Dibromomethane (Methylene bromide)
	4625	Dichlorodifluoromethane (Freon-12)
	4765	Ethylbenzene
	4835	Hexachlorobutadiene
	4900	Isopropylbenzene (Cumene)
	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
	4445	tert-Butylbenzene
	5115	Tetrachloroethylene (Perchloroethylene)



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EPA 524.2 4.1	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)			
	SM 2120 B 21st ED			20039003	Color by Visual Comparison
		1605	Color		
SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method	
	2055	Turbidity			
SM 2320 B 21st ED			20045403	Alkalinity by Titration Method	
	1505	Alkalinity as CaCO <sub>3</sub>			
SM 2340 B 21st ED			20046406	Hardness by calculation	
	1750	Hardness			
SM 2510 B 21st ED			20048402	Conductivity by Probe	
	1610	Conductivity			
SM 2540 C 21st ED			20050208	Total Dissolved Solids Dried at 180C	
	1955	Residue-filterable (TDS)			
SM 4500-CI G 21st ED			20081407	Chlorine by DPD Colorimetric Method	
	1945	Residual free chlorine			
	1940	Total residual chlorine			
SM 4500-CN <sup>-</sup> C 21st ED			20095403	Cyanide by Total Cyanide after Distillation	
	1635	Cyanide			
SM 4500-CN <sup>-</sup> E 21st ED			20096202	Cyanide by Colorimetric Method	
	1635	Cyanide			
SM 4500-F <sup>-</sup> C 21st ED			20102209	Fluoride by Ion-Selective Electrode Method	
	1730	Fluoride			
SM 4500-H <sup>+</sup> B 21st ED			20105004	pH Value by Electrometric Method .	
	1900	pH			
SM 6251 B 21st ED			20149002	Haloacetic acid (HAAs) by Micro Liquid-Liquid Extraction Gas Chromatographic Method	
	9312	Bromoacetic acid			
	9315	Bromochloroacetic acid			
	9336	Chloroacetic acid			
	9357	Dibromoacetic acid			





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SM 6251 B 21st ED	9360	Dichloroacetic acid		
	9414	Total haloacetic acids		
	9642	Trichloroacetic acid		
SM 9215 B (PCA) 21st ED			20181402	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria
	2555	Heterotrophic plate count		
SM 9223 B (Colilert® Quanti-Tray®) 21st ED			20211409	Chromogenic/Fluorogenic Quantitative (Colilert®): Total Coliform and E. coli
	2525	Escherichia coli		
	2500	Total coliforms		
SM 9223 B (Colilert®) 21st ED			20212402	Chromogenic/Fluorogenic Qualitative (Colilert®): Total Coliform and E. coli
	2525	Escherichia coli		
	2500	Total coliforms		
SM 9223 B (Colilert®-18 Quanti-Tray®) 21st ED			20213405	Chromogenic/Fluorogenic Quantitative (Colilert®-18): Total Coliform and E. coli
	2525	Escherichia coli		
	2530	Fecal coliforms		
SM 9223 B (Colisure®) 21st ED			20231601	Chromogenic/Fluorogenic Qualitative (Colisure®): Total Coliform and E. coli
	2525	Escherichia coli		
	2500	Total coliforms		

### Non-Potable Water

EPA 120.1			10006403	Conductance - Specific @ 25 C
	1610	Conductivity		
EPA 160.3			10010001	Total Solids, dried @ 103-105 C.
	1950	Residue-total		
EPA 1664A (HEM)			10127807	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
	1803	n-Hexane Extractable Material (O&G)		
EPA 1664A (SGT-HEM)			10261606	Silica Gen Treated N-Hexane Extractable Material (Oil and Grease)
	1803	n-Hexane Extractable Material (O&G)		
EPA 1664B			10261617	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
	1803	n-Hexane Extractable Material (O&G)		
EPA 1664B (SGT-HEM)			10260628	Silica Gel Treated n-Hexane Extractable Material (Oil & Grease)
	1803	n-Hexane Extractable Material (O&G)		



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<b>Non-Potable Water</b>	EPA 180.1 2		10011800	Turbidity - Nephelometric
		2055	Turbidity	
	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	
		1070	Iron	
		1075	Lead	
		1085	Magnesium	
		1090	Manganese	
		1100	Molybdenum	
		1105	Nickel	
		1125	Potassium	
		1140	Selenium	
		1150	Silver	
		1155	Sodium	
		1165	Thallium	
		1175	Tin	
		1180	Titanium	
		1185	Vanadium	
		1190	Zinc	
	EPA 200.8 5.4		10014605	Metals by ICP-MS
		1000	Aluminum	
		1005	Antimony	
		1010	Arsenic	
		1015	Barium	
		1020	Beryllium	
		1025	Boron	
		1030	Cadmium	
		1040	Chromium	
		1050	Cobalt	
		1055	Copper	
		1075	Lead	
		1080	Lithium	





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EPA 200.8 5.4	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1160	Strontium		
	1165	Thallium		
	1175	Tin		
	1180	Titanium		
	1185	Vanadium		
	1190	Zinc		
EPA 245.1 3			10036609	Mercury by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 300.0 2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
	1575	Chloride		
	1730	Fluoride		
	1810	Nitrate as N		
	1820	Nitrate-nitrite		
	1840	Nitrite as N		
	1870	Orthophosphate as P		
	2000	Sulfate		
EPA 3010A			10133605	Acid Digestion of Aqueous samples and Extracts for Total Metals
	8031	Extraction/Preparation		
EPA 3020A			10134404	Acid Digestion of Aqueous samples and Extracts for Total Metals for Analysis by GFAA
	8031	Extraction/Preparation		
EPA 3510C			10138202	Separatory Funnel Liquid-liquid extraction
	8031	Extraction/Preparation		
EPA 410.4			10077006	Chemical Oxygen Demand - Colorimetric, Automated.
	1565	Chemical oxygen demand		
EPA 420.1			10079400	Phenolics - Spectrophotometric, manual.
	1905	Total phenolics		
EPA 6010B			10155609	ICP - AES
	1000	Aluminum		
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		



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EPA 6010B	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		
	1180	Titanium		
	1185	Vanadium		
	1190	Zinc		
EPA 6020			10156000	Inductively Coupled Plasma-Mass Spectrometry
	1000	Aluminum		
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		
	1025	Boron		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1080	Lithium		
	1090	Manganese		
	1095	Mercury		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	1175	Tin		
	1180	Titanium		
	1185	Vanadium		
	1190	Zinc		



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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
5165	1,1,2-Trichloroethane
4630	1,1-Dichloroethane
4640	1,1-Dichloroethylene
4670	1,1-Dichloropropene
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)
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
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)



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EPA 624	4765	Ethylbenzene		
	4835	Hexachlorobutadiene		
	4870	Iodomethane (Methyl iodide)		
	4900	Isopropylbenzene (Cumene)		
	5240	m+p-xylene		
	4950	Methyl bromide (Bromomethane)		
	4960	Methyl chloride (Chloromethane)		
	5000	Methyl tert-butyl ether (MTBE)		
	4975	Methylene chloride (Dichloromethane)		
	4435	n-Butylbenzene		
	5005	Naphthalene		
	5250	o-Xylene		
	4440	sec-Butylbenzene		
	5100	Styrene		
	4445	tert-Butylbenzene		
	5115	Tetrachloroethylene (Perchloroethylene)		
	5140	Toluene		
	4700	trans-1,2-Dichloroethylene		
	4685	trans-1,3-Dichloropropylene		
	5170	Trichloroethene (Trichloroethylene)		
	5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
	5225	Vinyl acetate		
	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		
	6155	1,2-Dinitrobenzene		
	4615	1,3-Dichlorobenzene		
	6160	1,3-Dinitrobenzene (1,3-DNB)		
	4620	1,4-Dichlorobenzene		
	6165	1,4-Dinitrobenzene		
	6380	1-Methylnaphthalene		
	6735	2,3,4,6-Tetrachlorophenol		
	6740	2,3,5,6-Tetrachlorophenol		
	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)		



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### Non-Potable Water

EPA 625

- |      |   |
|------|---|
| 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  |
| 6465 | 3-Nitroaniline  |
| 5660 | 4-Bromophenyl phenyl ether (BDE-3)                            |
| 5700 | 4-Chloro-3-methylphenol                                       |
| 5745 | 4-Chloroaniline   |
| 5825 | 4-Chlorophenyl phenylether                                    |
| 6470 | 4-Nitroaniline  |
| 6500 | 4-Nitrophenol   |
| 5500 | Acenaphthene  |
| 5505 | Acenaphthylene  |
| 5545 | Aniline   |
| 5555 | Anthracene  |
| 5562 | Azobenzene  |
| 5575 | Benzo(a)anthracene  |
| 5580 | Benzo(a)pyrene  |
| 5590 | Benzo(g,h,i)perylene  |
| 5600 | Benzo(k)fluoranthene  |
| 5585 | Benzo[b]fluoranthene  |
| 5630 | Benzyl alcohol  |
| 5760 | bis(2-Chloroethoxy)methane                                    |
| 5765 | bis(2-Chloroethyl) ether                                      |
| 5780 | bis(2-Chloroisopropyl) ether                                  |
| 6062 | bis(2-Ethylhexyl)adipate                                      |
| 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  |
| 5905 | Dibenzofuran  |
| 6070 | Diethyl phthalate   |
| 6135 | Dimethyl phthalate  |
| 6205 | Diphenylamine   |
| 6265 | Fluoranthene  |



# OREGON

## Environmental Laboratory Accreditation Program



### ORELAP Fields of Accreditation

ORELAP ID: OR100028

EPA CODE: OR00011

Certificate: OR100028 - 013

Pixis Labs - Portland

12423 NE Whitaker Way

Portland, OR 97230

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### Non-Potable Water

EPA 625	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		
	5005	Naphthalene		
	5015	Nitrobenzene		
	6605	Pentachlorophenol		
	6615	Phenanthrene		
	6625	Phenol		
	6665	Pyrene		
5095	Pyridine			
EPA 7470A			10165807	Mercury in Liquid Waste by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 8021B			10174808	Aromatic and Halogenated Volatiles by GC with PID and/or ECD Purge & Trap
	4375	Benzene		
	4765	Ethylbenzene		
	5240	m+p-xylene		
	5250	o-Xylene		
	5140	Toluene		
	5260	Xylene (total)		
EPA 8260B			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		
	5180	1,2,3-Trichloropropane		
	5155	1,2,4-Trichlorobenzene		
	5210	1,2,4-Trimethylbenzene		
	4570	1,2-Dibromo-3-chloropropane (DBCP)		
	4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
	4610	1,2-Dichlorobenzene		
	4635	1,2-Dichloroethane (Ethylene dichloride)		
	4655	1,2-Dichloropropane		





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### Non-Potable Water

EPA 8260B

- |      |   |
|------|---|
| 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)   |
| 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                            |
| 4395 | Bromodichloromethane                    |
| 4400 | Bromoform                               |
| 4450 | Carbon disulfide                        |
| 4455 | Carbon tetrachloride                    |
| 4475 | Chlorobenzene                           |
| 4575 | Chlorodibromomethane                    |
| 4485 | Chloroethane (Ethyl chloride)           |
| 4505 | Chloroform                              |
| 4645 | cis-1,2-Dichloroethylene                |
| 4680 | cis-1,3-Dichloropropene                 |
| 4595 | Dibromomethane (Methylene bromide)      |
| 4625 | Dichlorodifluoromethane (Freon-12)      |
| 4765 | Ethylbenzene                            |
| 4835 | Hexachlorobutadiene                     |
| 4870 | Iodomethane (Methyl iodide)             |
| 4900 | Isopropylbenzene (Cumene)               |
| 5240 | m+p-xylene                              |
| 4950 | Methyl bromide (Bromomethane)           |
| 4960 | Methyl chloride (Chloromethane)         |
| 5000 | Methyl tert-butyl ether (MTBE)          |
| 4975 | Methylene chloride (Dichloromethane)    |
| 4435 | n-Butylbenzene                          |
| 5090 | n-Propylbenzene                         |
| 5005 | Naphthalene                             |
| 5250 | o-Xylene                                |
| 4440 | sec-Butylbenzene                        |
| 5100 | Styrene                                 |
| 4445 | tert-Butylbenzene                       |
| 5115 | Tetrachloroethylene (Perchloroethylene) |



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### Non-Potable Water

EPA 8260B	5140	Toluene		
	4700	trans-1,2-Dichloroethylene		
	4685	trans-1,3-Dichloropropylene		
	5170	Trichloroethene (Trichloroethylene)		
	5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
	5225	Vinyl acetate		
	5235	Vinyl chloride		
	5260	Xylene (total)		
EPA 8270C			10185805	Semivolatle Organic compounds by GC/MS
	5155	1,2,4-Trichlorobenzene		
	4610	1,2-Dichlorobenzene		
	6155	1,2-Dinitrobenzene		
	4615	1,3-Dichlorobenzene		
	6160	1,3-Dinitrobenzene (1,3-DNB)		
	4620	1,4-Dichlorobenzene		
	6165	1,4-Dinitrobenzene		
	6380	1-Methylnaphthalene		
	6735	2,3,4,6-Tetrachlorophenol		
	6740	2,3,5,6-Tetrachlorophenol		
	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		
	6465	3-Nitroaniline		
	5660	4-Bromophenyl phenyl ether (BDE-3)		
	5700	4-Chloro-3-methylphenol		
	5745	4-Chloroaniline		
	5825	4-Chlorophenyl phenylether		
	6470	4-Nitroaniline		
	6500	4-Nitrophenol		



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### Non-Potable Water

EPA 8270C

- |      |   |
|------|---|
| 5500 | Acenaphthene  |
| 5505 | Acenaphthylene  |
| 5545 | Aniline   |
| 5555 | Anthracene  |
| 5562 | Azobenzene  |
| 5575 | Benzo(a)anthracene  |
| 5580 | Benzo(a)pyrene  |
| 5590 | Benzo(g,h,i)perylene  |
| 5600 | Benzo(k)fluoranthene  |
| 5585 | Benzo[b]fluoranthene  |
| 5630 | Benzyl alcohol  |
| 5760 | bis(2-Chloroethoxy)methane                                    |
| 5765 | bis(2-Chloroethyl) ether                                      |
| 5780 | bis(2-Chloroisopropyl) 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  |
| 5905 | Dibenzofuran  |
| 6070 | Diethyl phthalate   |
| 6135 | Dimethyl phthalate  |
| 6205 | Diphenylamine   |
| 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  |
| 5005 | Naphthalene   |
| 5015 | Nitrobenzene  |
| 6605 | Pentachlorophenol   |
| 6615 | Phenanthrene  |
| 6625 | Phenol  |
| 6665 | Pyrene  |
| 5095 | Pyridine  |



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Method	Parameter	Method	Method
Non-Potable Water	EPA 8270C SIM	10242407	Semivolatile Organic compounds by GC/MS Selective Ion Monitoring
	5500	Acenaphthene	
	5505	Acenaphthylene	
	5555	Anthracene	
	5575	Benzo(a)anthracene	
	5580	Benzo(a)pyrene	
	5590	Benzo(g,h,i)perylene	
	5600	Benzo(k)fluoranthene	
	5585	Benzo[b]fluoranthene	
	5855	Chrysene	
	5895	Dibenz(a,h)anthracene	
	6265	Fluoranthene	
	6270	Fluorene	
	6315	Indeno(1,2,3-cd)pyrene	
5005	Naphthalene		
6615	Phenanthrene		
6665	Pyrene		
NWTPH-Dx		90018409	Oregon DEQ TPH Diesel Range
	9369	Diesel range organics (DRO)	
	9499	Motor Oil	
	2050	Total Petroleum Hydrocarbons (TPH)	
NWTPH-Gx		90018603	Oregon DEQ TPH Gasoline Range Organics by GC/FID-PID Purge & Trap
	9408	Gasoline range organics (GRO)	
NWTPH-HCID		90013200	Oregon DEQ Total Petroleum Hydrocarbon ID
	9369	Diesel range organics (DRO)	
	9408	Gasoline range organics (GRO)	
	9499	Motor Oil	
	2050	Total Petroleum Hydrocarbons (TPH)	
SM 2130 B 21st ED		20042608	Turbidity by Nephelometric Method
	2055	Turbidity	
SM 2320 B 21st ED		20045403	Alkalinity by Titration Method
	1505	Alkalinity as CaCO <sub>3</sub>	
SM 2340 B 21st ED		20046406	Hardness by calculation
	1750	Hardness	
SM 2510 B 21st ED		20048402	Conductivity by Probe
	1610	Conductivity	
SM 2540 B 21st ED		20049201	Total Solids Dried at 103 - 105C
	1950	Residue-total	



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### Non-Potable Water

SM 2540 C 21st ED		20050208	Total Dissolved Solids Dried at 180C
1955	Residue-filterable (TDS)		
SM 2540 D 21st ED		20051007	Total Suspended Solids Dried at 103 - 105C
1960	Residue-nonfilterable (TSS)		
SM 4500-CI G 21st ED		20081407	Chlorine by DPD Colorimetric Method
1940	Total residual chlorine		
SM 4500-CN <sup>-</sup> C 21st ED		20095403	Cyanide by Total Cyanide after Distillation
1635	Cyanide		
SM 4500-CN <sup>-</sup> E 21st ED		20096202	Cyanide by Colorimetric Method
1635	Cyanide		
SM 4500-F <sup>-</sup> C 21st ED		20102209	Fluoride by Ion-Selective Electrode Method
1730	Fluoride		
SM 4500-H <sup>+</sup> B 21st ED		20105004	pH Value by Electrometric Method .
1900	pH		
SM 4500-NH <sub>3</sub> B 21st ED		20105800	Ammonia by Preliminary Distillation Step
1515	Ammonia as N		
SM 4500-Norg B 21st ED		20119000	Nitrogen (Organic) by Macro-Kjeldahl Method
1795	Kjeldahl nitrogen - total		
SM 4500-P B 21st ED		20122809	Phosphorus by Sample Preparation
1910	Phosphorus, total		
SM 5210 B 21st ED		20135006	Biochemical Oxygen Demand, 5-Day (BOD <sub>5</sub> )
1530	Biochemical oxygen demand		
1555	Carbonaceous BOD, CBOD		
SM 5220 D 21st ED		20136601	COD by Closed Reflux, Colorimetric Method
1565	Chemical oxygen demand		
SM 9215 B (PCA) 21st ED		20181402	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria
2555	Heterotrophic plate count		
SM 9222 D (m-FC) 21st ED		20209807	Membrane Filtration Quantitative (m-FC): Fecal Coliform
2530	Fecal coliforms		
SM 9223 B (Colilert Quanti-Tray)-2004 22nd Ed		20211614	Enzyme Substrate Coliform Test (Colilert Quanti-Tray)
2525	Escherichia coli		
2500	Total coliforms		





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Method	Sample Size	Parameter	Method ID	Test Description	
Non-Potable Water	SM 9223 B (Colilert) 22nd Ed	2525 Escherichia coli	20212413	Enzyme Substrate Coliform Test (Colilert) P/A	
	2500 Total coliforms				
	SM 9223 B (Colilert® Quanti-Tray®) 21st ED	2525 Escherichia coli	20211409	Chromogenic/Fluorogenic Quantitative (Colilert®): Total Coliform and E. coli	
		2500 Total coliforms			
	SM 9223 B (Colilert®) 21st ED	2525 Escherichia coli	20212402	Chromogenic/Fluorogenic Qualitative (Colilert®): Total Coliform and E. coli	
		2500 Total coliforms			
	SM 9223 B (Colilert®-18 Quanti-Tray®) 21st ED	2525 Escherichia coli	20213405	Chromogenic/Fluorogenic Quantitative (Colilert®-18): Total Coliform and E. coli	
		2530 Fecal coliforms			
		2500 Total coliforms			
	SM 9223 B (Colilert®-18) 21st ED	2500 Total coliforms	20214408	Chromogenic/Fluorogenic Qualitative (Colilert®-18): Total Coliform and E. coli	
	SM 9223 B (Colilert-18 Quanti-Tray)-2004 22nd ED	2525 Escherichia coli	20213610	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray)	
		2500 Total coliforms			
	SM 9230 C 2a (mE) 21st ED	2520 Enterococci	20218400	Membrane Filtration Quantitative: Enterococci	
	SM 9230 C 2c (mE-f) 21st ED	2540 Fecal streptococci	20219403	Membrane Filtration Quantitative: Fecal Streptococci	
	SM 9230 C-2007	2520 Enterococci	20219652	Enterococci and Fecal Streptococci by Membrane Filter Techniques	
		2540 Fecal streptococci			
	SM 9230 D Enterolert	2520 Enterococci	20219709	Fluorogenic Quantitative (Enterolert): Enterococci	
		2540 Fecal streptococci			

### Solids

Method	Sample Size	Parameter	Method ID	Test Description
AOAC 2007.1 & EN 15662			805	Pesticides by LC-MS-MS
	7366	Abamectin		
	7000	Acephate		
	700	Acequinocyl		
	701	Acetamidrid		
	7010	Aldicarb (Temik)		
	702	Azoxystrobin		





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#### Solids

AOAC 2007.1 &  
EN 15662

7116	Bifenazate
7117	Bifenthrin
703	Boscalid
7195	Carbaryl (Sevin)
7205	Carbofuran (Furaden)
704	Chlorantraniliprole
705	Chlorfenapyr
7300	Chlorpyrifos
706	Clofentezine
7345	Cyfluthrin
7346	Cypermethrin
707	Daminozide
7410	Diazinon
8610	Dichlorvos (DDVP, Dichlorvos)
7475	Dimethoate
7570	Ethoprop
708	Etofenprox
709	Etoxazole
710	Fenoxycarb
711	Fenpyroximate
712	Fipronil
713	Fonicamid
714	Fludioxonil
715	Hexythiazox
716	Imazalil
7702	Imidacloprid
728	Kresoxim-methyl
7770	Malathion
7790	Metalaxyl
7800	Methiocarb (Mesuro)
7805	Methomyl (Lannate)
7825	Methyl parathion (Parathion, methyl)
7860	MGK-264
7893	Myclobutanil
7905	Naled
7940	Oxamyl
7947	Paclobutrazol
7975	Permethrin (total)
8000	Phosmet (Imidan)
9550	Piperonyl butoxide
203	Prallethrin
717	Propiconazole
8080	Propoxur (Baygon)



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Method	Code	Parameter	Count	Description
Solids	AOAC 2007.1 & EN 15662	718		Pyrethrins (total)
		719		Pyridaben
		720		Spinosad
		721		Spiromesifen
		722		Spirotetramat
		723		Spiroxamine
		724		Tebuconazole
		725		Thiacloprid
		726		Thiamethoxam
		727		Trifloxystrobin
AOAC 2014.05			803	Yeast and Mold Counts
	900	Yeast & Mold		
AOAC 966.02			810	Moisture
	3850	Moisture content		
AOAC 978.18			809	Water Activity
	910	Water Activity		
AOAC 991.14			801	Total Coliform and E. coli Count
	2525	Escherichia coli		
	2500	Total coliforms		
AOAC 997.02			802	Yeast and Mold Counts
	900	Yeast & Mold		
AOAC R1 080601			800	Salmonella Test
	2570	Salmonella		
EPA 5021A			10284205	Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis
	4735	1,4-Dioxane (1,4- Diethyleneoxide)		
	5866	2-Ethoxyethanol (cellosolve)		
	4315	Acetone		
	4320	Acetonitrile		
	4375	Benzene		
	4555	Cyclohexane		
	4725	Diethyl ether		
	4750	Ethanol		
	4755	Ethyl acetate		
	4785	Ethylene glycol		
	4795	Ethylene oxide		
	4890	Isopropyl acetate		
	4895	Isopropyl alcohol (2-Propanol, Isopropanol)		
	4900	Isopropylbenzene (Cumene)		
	4930	Methanol		



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Field of Accreditation	EPA Code	Method Number	Method Name	Method Description
<b>Solids</b>	EPA 5021A	4975	Methylene chloride (Dichloromethane)	
		5007	n-Butane	
		4825	n-Heptane	
		4855	n-Hexane	
		5028	n-Pentane	
		5029	n-Propane	
		9607	sec-Butyl Alcohol (2-Butanol)	
		5120	Tetrahydrofuran (THF)	
		5140	Toluene	
		5260	Xylene (total)	
EPA 8021B		10174808	Aromatic and Halogenated Volatiles by GC with PID and/or ECD Purge & Trap	
		4375	Benzene	
		4765	Ethylbenzene	
		5240	m+p-xylene	
		5250	o-Xylene	
		5140	Toluene	
		5260	Xylene (total)	
NWTPH-Dx		90018409	Oregon DEQ TPH Diesel Range	
		9369	Diesel range organics (DRO)	
		9499	Motor Oil	
		2050	Total Petroleum Hydrocarbons (TPH)	
NWTPH-Gx		90018603	Oregon DEQ TPH Gasoline Range Organics by GC/FID-PID Purge & Trap	
		9408	Gasoline range organics (GRO)	
NWTPH-HCID		90013200	Oregon DEQ Total Petroleum Hydrocarbon ID	
		9369	Diesel range organics (DRO)	
		9408	Gasoline range organics (GRO)	
		9499	Motor Oil	
		2050	Total Petroleum Hydrocarbons (TPH)	
ORELAP-SOP-001 2.0		9000110	Protocol for Collecting Samples of Usable Marijuana	
		1405	Incremental Sampling	
		1441	Sampling	
ORELAP-SOP-002 2.0		9000111	Protocol for Collecting Samples of Cannabis Concentrates and Extracts	
		1405	Incremental Sampling	
		1441	Sampling	
ORELAP-SOP-003 2.0		9000112	Protocol for Collecting Samples of Cannabinoid Products	
		1405	Incremental Sampling	
		1441	Sampling	

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**Solids**Perkin Elmer  
2013-2015

804

Cannabinoids by HPLC-UV

5415	Cannabidiol (CBD)		
5420	Cannabidolic acid (CBDA)		
5430	Cannabinol (CBN)		
5405	Tetrahydrocannabinol (THC)		
5410	Tetrahydrocannabinolic acid (THCA)		

