



OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Matrix Sciences International dba KTL

1320 E Spokane Street, Suite C
Pasco, WA 99301

ORELAP ID: 4084

EPA CODE: WA00060

Certificate: 4084 - 012

Issue Date: 2/15/2022 Expiration Date: 2/14/2023

As of 2/15/2022 this list supersedes all previous lists for this certificate number.

Matrix Reference	Analyte Code	Analyte	Method Code	Description
Drinking Water				
EPA 200.5 4.2			10213975	Determination of Trace Elements in Drinking Water by Axially Viewed ICP - AES
	1000	Aluminum		
	1015	Barium		
	1020	Beryllium		
	1030	Cadmium		
	1040	Chromium		
	1055	Copper		
	1070	Iron		
	1075	Lead		
	1090	Manganese		
	1105	Nickel		
	1190	Zinc		
EPA 200.7 4.4			10013806	ICP - metals
	1910	Phosphorus, total		
EPA 200.7 5			10014003	ICP - metals
	1000	Aluminum		
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1025	Boron		
	1030	Cadmium		
	1035	Calcium		
	1040	Chromium		
	1055	Copper		
	1760	Hardness (calc.)		
	1070	Iron		
	1075	Lead		
	1085	Magnesium		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1125	Potassium		
	1140	Selenium		
	1155	Sodium		
	1190	Zinc		
SimPlate®			60032602	Chromogenic/Fluorogenic Quantitative (SimPlate®): Heterotrophic Bacteria
	2555	Heterotrophic plate count		
SM 2120 B-2001 online			20039309	Color by Visual Comparison
	1605	Color		
SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method
	2055	Turbidity		
SM 2320 B-97 1997			20045607	Alkalinity by Titration Method
	1505	Alkalinity as CaCO3		
SM 2510 B-97 1997			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 4500-CL E 22nd ED			20080222	Chlorine (Residual) - Low-level Amperometric Titration Method
	1575	Chloride		
SM 4500-F ⁻ C-97 online			20102403	Fluoride by Ion-Selective Electrode Method
	1730	Fluoride		
SM 4500-H+ B 18th ED			20022406	pH by Electrometric Method
	1900	pH		
SM 4500-NO3 ⁻ F 22nd ED			20116410	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
	1810	Nitrate as N		
	1820	Nitrate plus Nitrite as N		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	1840	Nitrite as N		
SM 4500-SO4 ⁻ E 20th ED			20132803	Sulfate by Turbidity
	2000	Sulfate		
SM 9223 B (Colilert-18) 22nd Ed			20214419	Enzyme Substrate Coliform Test (Colilert-18)
	2525	Escherichia coli		
	2500	Total coliforms		

Non-Potable Water

EPA 200.7 5

10014003 ICP - metals

- 1000 Aluminum
- 1005 Antimony
- 1010 Arsenic
- 1015 Barium
- 1020 Beryllium
- 1030 Cadmium
- 1035 Calcium
- 1040 Chromium
- 1055 Copper
- 1760 Hardness (calc.)
- 1070 Iron
- 1075 Lead
- 1085 Magnesium
- 1090 Manganese
- 1100 Molybdenum
- 1105 Nickel
- 1910 Phosphorus, total
- 1125 Potassium
- 1140 Selenium
- 1155 Sodium
- 1190 Zinc

EPA 351.2 2

10065404 Total Kjeldahl Nitrogen - Block Digest, Phenate

- 1795 Total Kjeldahl Nitrogen (TKN)



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method
	2055	Turbidity		
SM 2320 B-97 1997			20045607	Alkalinity by Titration Method
	1505	Alkalinity as CaCO3		
SM 2510 B-97 1997			20048606	Conductivity by Probe
	1610	Conductivity		
SM 2540 B 22nd ED			20049212	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 22nd ED			20051018	Solids - Total Suspended Solids Dried at 103 - 105 deg C
	1960	Residue-nonfilterable (TSS)		
SM 2540 E 22nd Ed			20051665	Solids - Fixed and Volatile Solids Ignited at 550 deg C
	1725	Total, fixed, and volatile residue		
SM 4500-CL E 22nd ED			20080222	Chlorine (Residual) - Low-level Amperometric Titration Method
	1575	Chloride		
SM 4500-F ⁻ C-97 online			20102403	Fluoride by Ion-Selective Electrode Method
	1730	Fluoride		
SM 4500-H+ B 18th ED			20022406	pH by Electrometric Method
	1900	pH		
SM 4500-NH3 G 20th ED			20111006	Ammonia by Automated Phenate
	1515	Ammonia as N		
SM 4500-NO3 ⁻ F 22nd ED			20116410	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
	1810	Nitrate as N		
	1820	Nitrate plus Nitrite as N		
	1840	Nitrite as N		
SM 4500-P E-97 online			20124203	Phosphorus by Ascorbic Acid Method



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	1870	Orthophosphate as P		
SM 4500-SO4 ⁻ E 20th ED			20132803	Sulfate by Turbidity
	2000	Sulfate		
SM 5220 D-97 online			20136805	COD by Closed Reflux, Colorimetric Method
	1565	Chemical oxygen demand		
SM 9223 B (Colilert-18 Quanti-Tray)-2004 22nd ED			20213610	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray)
	2525	Escherichia coli		
	2530	Fecal coliforms		
	2500	Total coliforms		

