



Oregon

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Matrix Sciences dba KTL
1320 E Spokane Street, Suite C
Pasco, WA 99301

ORELAP ID: 4084
EPA CODE: WA00060
Certificate: 4084 - 016

Issue Date: 2/15/2024 8:00:00 AM Expiration Date:
2/14/2025 8:00:00 AM

As of 2/15/2024 8:00:00 AM this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description	
Drinking Water	EPA 200.5			4.2	10/1/2003	10213975	Determination of Trace Elements in Drinking Water by Axially Viewed ICP - AES	
		1015	Barium					
		1030	Cadmium					
		1040	Chromium					
		1055	Copper					
		1070	Iron					
		1075	Lead					
		1090	Manganese					
		1105	Nickel					
		1190	Zinc					
	EPA 200.7				4.4	1994	10013806	ICP - metals
		1910	Phosphorus, total					
	EPA 200.7				5	1998	10014003	ICP - metals
		1035	Calcium					
		1760	Hardness (calc.)					
		1085	Magnesium					
		1125	Potassium					
		1155	Sodium					
	EPA 200.8				5.5	1998	10014809	Metals by ICP-MS
		1000	Aluminum					
		1005	Antimony					
		1010	Arsenic					
		1020	Beryllium					
		1030	Cadmium					
		1040	Chromium					
		1055	Copper					
		1075	Lead					
	1090	Manganese						
	1100	Molybdenum						
	1105	Nickel						
	1150	Silver						
	1165	Thallium						
	1185	Vanadium						
SM 2120 B				22nd Ed	2011	20039014	Color - Visual Comparison Method	
	1605	Color						



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Drinking Water	SM 2130 B			22nd Ed	2011	20042619	Turbidity - Nephelometric Method
		2055	Turbidity				
	SM 2320 B			22nd Ed	2011	20045414	Alkalinity by Titration
		1505	Alkalinity as CaCO ₃				
	SM 2510 B			22nd Ed	2011	20048413	Conductivity by Probe
		1610	Conductivity				
	SM 2540 C			22nd Ed	2011	20050424	Total Dissolved Solids Dried at 180 deg C
		1955	Residue-filterable (TDS)				
	SM 4500-CL E			22nd ED	2011	20080222	Chlorine (Residual) - Low-level Amperometric Titration Method
		1575	Chloride				
	SM 4500-F C			22nd Ed	2011	20102210	Fluoride by Ion Selective Electrode
		1730	Fluoride				
	SM 4500-H+ B			22nd Ed	2011	20105015	pH Value - Electrometric Method
		1900	pH				
	SM 4500-NO ₃ ⁻ F			22nd ED	2011	20116410	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
	1810	Nitrate as N					
	1820	Nitrate plus Nitrite as N					
	1840	Nitrite as N					
SM 4500-SO ₄ ⁻ E			22nd ED	2011	20132836	Sulfate - Turbidimetric Method	
	2000	Sulfate					
SM 9223 B (Colilert-18)			22nd Ed	2004	20214419	Enzyme Substrate Coliform Test (Colilert-18)	
	2525	Escherichia coli					
	2500	Total coliforms					
Non-Potable Water	EPA 200.7			5	1998	10014003	ICP - metals
		1010	Arsenic				
		1035	Calcium				
		1055	Copper				
		1760	Hardness (calc.)				
		1070	Iron				
		1075	Lead				
		1085	Magnesium				
		1090	Manganese				
		1105	Nickel				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Non-Potable Water	EPA 200.7			5	1998	10014003	ICP - metals
		1910	Phosphorus, total				
		1125	Potassium				
		1155	Sodium				
		1190	Zinc				
	EPA 200.8			5.5	1998	10014809	Metals by ICP-MS
		1000	Aluminum				
		1005	Antimony				
		1010	Arsenic				
		1015	Barium				
		1020	Beryllium				
		1030	Cadmium				
		1040	Chromium				
		1055	Copper				
		1075	Lead				
		1090	Manganese				
		1105	Nickel				
		1150	Silver				
		1165	Thallium				
		1185	Vanadium				
	EPA 351.2			2	1993	10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate
		1795	Total Kjeldahl Nitrogen (TKN)				
	SM 2130 B			22nd Ed	2011	20042619	Turbidity - Nephelometric Method
		2055	Turbidity				
	SM 2320 B			22nd Ed	2011	20045414	Alkalinity by Titration
		1505	Alkalinity as CaCO3				
	SM 2510 B			22nd Ed	2011	20048413	Conductivity by Probe
		1610	Conductivity				
	SM 2540 B			22nd ED	2011	20049212	Total Solids Dried at 103 - 105C
		1950	Residue-total				
	SM 2540 C			22nd Ed	2011	20050424	Total Dissolved Solids Dried at 180 deg C
		1955	Residue-filterable (TDS)				
	SM 2540 D			22nd ED	2011	20051018	Solids - Total Suspended Solids Dried at 103 - 105 deg C
		1960	Residue-nonfilterable (TSS)				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Non-Potable Water	SM 2540 E			22nd Ed	2011	20051665	Solids - Fixed and Volatile Solids Ignited at 550 deg C
		1725	Total, fixed, and volatile residue				
	SM 4500-CL E			22nd ED	2011	20080222	Chlorine (Residual) - Low-level Amperometric Titration Method
		1575	Chloride				
	SM 4500-F C			22nd Ed	2011	20102210	Fluoride by Ion Selective Electrode
		1730	Fluoride				
	SM 4500-H+ B			22nd Ed	2011	20105015	pH Value - Electrometric Method
		1900	pH				
	SM 4500-NH3 G			22nd ED	2011	20111211	Nitrogen (Ammonia) - Automated Phenate Method
		1515	Ammonia as N				
	SM 4500-NO3 ⁻ F			22nd ED	2011	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			22nd Ed	2011	20124010	Phosphorus - Ascorbic Acid Method
		1870	Orthophosphate as P				
	SM 4500-SO4 ⁻ E			22nd ED	2011	20132836	Sulfate - Turbidimetric Method
		2000	Sulfate				
	SM 5220 D			22nd ED	2011	20136612	Chemical Oxygen Demand by Closed Reflux and Colorimetric Determination
		1565	Chemical oxygen demand				
	SM 9223 B (Colilert-18 Quanti-Tray)-2004			22nd ED	2004	20213610	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray)
	2525	Escherichia coli					
	2530	Fecal coliforms					
	2500	Total coliforms					