

The State of
Department



Washington
of Ecology

Matrix Sciences International Inc. dba KTL
Pasco, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation.

This certificate is effective September 3, 2023 and shall expire September 2, 2024.

Witnessed under my hand on September 05, 2023.

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C548

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Matrix Sciences International Inc. dba KTL

Pasco, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Drinking Water		
Color	SM 2120 B-2011	1
Turbidity	SM 2130 B-2011	1,2
Alkalinity	SM 2320 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Chloride	SM 4500-Cl ⁻ E-2011	1
Fluoride	SM 4500-F ⁻ C-2011	1
pH	SM 4500-H ⁺ B-2011	1
Nitrate + Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	1
Nitrate as N	SM 4500-NO ₃ ⁻ F-2011	1
Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	1
Sulfate	SM 4500-SO ₄ ⁻ E-2011	1
Barium	EPA 200.5_4.2_2003	1
Cadmium	EPA 200.5_4.2_2003	1
Chromium	EPA 200.5_4.2_2003	1
Copper	EPA 200.5_4.2_2003	1
Iron	EPA 200.5_4.2_2003	1
Lead	EPA 200.5_4.2_2003	1
Manganese	EPA 200.5_4.2_2003	1
Nickel	EPA 200.5_4.2_2003	1
Zinc	EPA 200.5_4.2_2003	1
Calcium	EPA 200.7_4.4_1994	1
Hardness (calc.)	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	1
Potassium	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1

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Matrix/Analyte	Method	Notes
Drinking Water		
Heterotrophic Bacteria	SM 9215 E SimPlate®	1
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	1
Non-Potable Water		
Nitrogen, Total Kjeldahl	EPA 351.2_2_1993	1
Turbidity	SM 2130 B-2011	1
Alkalinity	SM 2320 B-2011	1
Specific Conductance	SM 2510 B-2011	1
Solids, Total	SM 2540 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Solids, Total Suspended	SM 2540 D-2011	1
Solids, Total Volatile	SM 2540 E-2011	1
Solids, Total, Fixed and Volatile	SM 2540 E-2011	1
Chloride	SM 4500-Cl ⁻ E-2011	1
Fluoride	SM 4500-F ⁻ C-2011	1
pH	SM 4500-H ⁺ B-2011	1
Ammonia as N	SM 4500-NH ₃ G-2011	1
Nitrate + Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	1
Nitrate as N	SM 4500-NO ₃ ⁻ F-2011	1
Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	1
Orthophosphate as P	SM 4500-P E-2011	1
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
Arsenic	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	1
Hardness (calc.)	EPA 200.7_4.4_1994	1
Iron	EPA 200.7_4.4_1994	1
Lead	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	1
Manganese	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1
Potassium	EPA 200.7_4.4_1994	1
Sodium	EPA 200.7_4.4_1994	1
Zinc	EPA 200.7_4.4_1994	1
Cobalt	EPA 200.8_5.4_1994	
Fecal coliform-count	SM 9223 B Colilert 18® QTray®	
E.coli-count	SM 9223 B Colilert 18® QTray®	1
Total coliforms-count	SM 9223 B Colilert 18® QTray®	1

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Oregon NELAP accreditation. (2) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110)



09/05/2023

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date