

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Mukang Labs, Inc.

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		
Hardness (calc.)	SM 2340 B-2011	
Specific Conductance	SM 2510 B-2011	
Chloride	SM 4500-Cl ⁻ B-2011	
Nitrite	SM 4500-NO ₂ ⁻ B-2011	1
Nitrate	SM 4500-NO ₃ ⁻ F-2011	
Orthophosphate	SM 4500-P E-2011	
Sulfate	SM 4500-SO ₄ ⁻ E-2011	
Antimony	EPA 200.5_4.2_2003	
Arsenic	EPA 200.5_4.2_2003	
Lead	EPA 200.5_4.2_2003	
Selenium	EPA 200.5_4.2_2003	
Barium	EPA 200.7_4.4_1994	
Beryllium	EPA 200.7_4.4_1994	1
Cadmium	EPA 200.7_4.4_1994	1
Calcium	EPA 200.7_4.4_1994	
Chromium	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	1
Iron	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	
Manganese	EPA 200.7_4.4_1994	1
Nickel	EPA 200.7_4.4_1994	1
Potassium	EPA 200.7_4.4_1994	
Sodium	EPA 200.7_4.4_1994	
Zinc	EPA 200.7_4.4_1994	1
Total coli/E.coli - detect	SM 9223 B Colilert® 24 (PA)	1

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Matrix/Analyte	Method	Notes
Non-Potable Water		
Solids, Total	SM 2540 B-2011	1
Solids, Total Dissolved	SM 2540 C-2011	1
Solids, Total Suspended	SM 2540 D-2011	1
Chloride	SM 4500-Cl ⁻ B-2011	
Ammonia	SM 4500-NH ₃ F-2011	1
Nitrite	SM 4500-NO ₂ ⁻ B-2011	
Nitrate	SM 4500-NO ₃ ⁻ F-2011	
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ F-2011	
Nitrogen, Total Kjeldahl	SM 4500-Norg C-2011	1
Orthophosphate	SM 4500-P E-2011	
Phosphorus, total	SM 4500-P E-2011	1
Sulfate	SM 4500-SO ₄ ⁻ E-2011	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2011	1
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
Antimony	EPA 200.7_4.4_1994	
Arsenic	EPA 200.7_4.4_1994	
Barium	EPA 200.7_4.4_1994	
Beryllium	EPA 200.7_4.4_1994	
Boron	EPA 200.7_4.4_1994	
Cadmium	EPA 200.7_4.4_1994	
Calcium	EPA 200.7_4.4_1994	
Chromium	EPA 200.7_4.4_1994	
Cobalt	EPA 200.7_4.4_1994	1
Copper	EPA 200.7_4.4_1994	
Iron	EPA 200.7_4.4_1994	
Lead	EPA 200.7_4.4_1994	
Lithium	EPA 200.7_4.4_1994	1
Magnesium	EPA 200.7_4.4_1994	
Manganese	EPA 200.7_4.4_1994	
Molybdenum	EPA 200.7_4.4_1994	
Nickel	EPA 200.7_4.4_1994	
Potassium	EPA 200.7_4.4_1994	
Selenium	EPA 200.7_4.4_1994	
Sodium	EPA 200.7_4.4_1994	
Zinc	EPA 200.7_4.4_1994	
Fecal coliform-count	SM 9222 D (mFC)-06	

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



08/19/2022

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor