

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Soiltest Farm Consultants, Inc. Laboratory

Moses Lake, 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		
Turbidity	SM 2130 B-2011	
Fluoride	SM 4500-F ⁻ C-2011	
Nitrate as N	SM 4500-NO ₃ ⁻ F-2011	
Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	
Non-Potable Water		
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	
Turbidity	SM 2130 B-2011	
Alkalinity	SM 2320 B-2011	
Hardness (calc.)	SM 2340 B-2011	
Specific Conductance	SM 2510 B-2011	3
Solids, Total	SM 2540 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	
Chloride	SM 4500-Cl ⁻ E-2011	
Fluoride	SM 4500-F ⁻ C-2011	
Ammonia	SM 4500-NH ₃ H-2011	
Nitrate as N	SM 4500-NO ₃ ⁻ F-2011	
Nitrite as N	SM 4500-NO ₃ ⁻ F-2011	
Nitrogen, Total Kjeldahl	SM 4500-Norg D-2011	
Orthophosphate as P	SM 4500-P E-2011	1
Phosphorus, Total	SM 4500-P E-2011	1
Sulfate	SM 4500-SO ₄ ⁻ E-2011	
Biochemical Oxygen Demand (BOD), Carbonaceous BOD (CBOD)	SM 5210 B-2011	1
Chemical Oxygen Demand (COD)	SM 5220 D-2011	
Aluminum	EPA 200.5_4.2_2003	
Antimony	EPA 200.5_4.2_2003	

Washington State Department of Ecology

Laboratory Accreditation Unit

Effective Date: 9/8/2023

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Scope of Accreditation Report for Soiltest Farm Consultants, Inc. Laboratory

Scope Expires: 9/7/2024

C605-23

Soiltest Farm Consultants, Inc. Laboratory

Matrix/Analyte	Method	Notes
Non-Potable Water		
Arsenic	EPA 200.5_4.2_2003	
Barium	EPA 200.5_4.2_2003	
Beryllium	EPA 200.5_4.2_2003	
Cadmium	EPA 200.5_4.2_2003	
Chromium	EPA 200.5_4.2_2003	
Cobalt	EPA 200.5_4.2_2003	
Copper	EPA 200.5_4.2_2003	
Iron	EPA 200.5_4.2_2003	
Lead	EPA 200.5_4.2_2003	
Lithium	EPA 200.5_4.2_2003	1
Manganese	EPA 200.5_4.2_2003	
Molybdenum	EPA 200.5_4.2_2003	
Nickel	EPA 200.5_4.2_2003	
Selenium	EPA 200.5_4.2_2003	
Silver	EPA 200.5_4.2_2003	
Strontium	EPA 200.5_4.2_2003	
Vanadium	EPA 200.5_4.2_2003	
Zinc	EPA 200.5_4.2_2003	
Calcium	EPA 200.7_4.4_1994	
Magnesium	EPA 200.7_4.4_1994	
Phosphorus	EPA 200.7_4.4_1994	1
Potassium	EPA 200.7_4.4_1994	
Sodium	EPA 200.7_4.4_1994	
Solid and Chemical Materials		
Total carbon	AOAC 972.43	1
Nitrogen, Total	AOAC 990.3	1
Nitrogen, Total Kjeldahl	AOAC 990.3	1
Solids, Total, Fixed and Volatile	SM 2540 G-2011	
Ammonia	SM 4500-NH3 H-2011	1
Nitrate as N	SM 4500-NO3 ⁻ F-2011	1,2
Aluminum	EPA 6010D_(7/14)	
Antimony	EPA 6010D_(7/14)	
Arsenic	EPA 6010D_(7/14)	
Barium	EPA 6010D_(7/14)	
Beryllium	EPA 6010D_(7/14)	
Cadmium	EPA 6010D_(7/14)	
Calcium	EPA 6010D_(7/14)	

Soiltest Farm Consultants, Inc. Laboratory

Matrix/Analyte	Method	Notes
Solid and Chemical Materials		
Chromium	EPA 6010D_(7/14)	
Cobalt	EPA 6010D_(7/14)	
Copper	EPA 6010D_(7/14)	
Iron	EPA 6010D_(7/14)	
Lead	EPA 6010D_(7/14)	3
Magnesium	EPA 6010D_(7/14)	
Manganese	EPA 6010D_(7/14)	
Molybdenum	EPA 6010D_(7/14)	
Nickel	EPA 6010D_(7/14)	
Phosphorus, total	EPA 6010D_(7/14)	
Potassium	EPA 6010D_(7/14)	
Selenium	EPA 6010D_(7/14)	
Sodium	EPA 6010D_(7/14)	
Strontium	EPA 6010D_(7/14)	
Vanadium	EPA 6010D_(7/14)	
Zinc	EPA 6010D_(7/14)	3
Mercury	EPA 7473_(2/07)	

Accredited Parameter Note Detail

(1) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (2) Reported result is technically nitrate-nitrite, however nitrite values are negligible due to oxidizing conditions. (3) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110).



09/15/2023

Authentication Signature
 Rebecca Wood, Lab Accreditation Unit Supervisor

Date