

# WASHINGTON STATE DEPARTMENT OF ECOLOGY

## ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

### SCOPE OF ACCREDITATION

#### Exact Scientific Services, Inc.

#### Ferndale, 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
<b><i>Drinking Water</i></b>		
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Orthophosphate	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	
Color	SM 2120 B-2011	
Turbidity	SM 2130 B-2011	
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1
Hardness, Total (as CaCO <sub>3</sub> )	SM 2340 C-2011	1
Specific Conductance	SM 2510 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Cyanide, Free	SM 4500 CN-F-2011	1
Total Organic Carbon	SM 5310 C-2011	1
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b><i>Drinking Water</i></b>		
Boron	EPA 200.8_5.4_1994	
Cadmium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Mercury	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Bromoacetic acid	EPA 552.3 Rev 1 (2003)	
Bromochloroacetic acid	EPA 552.3 Rev 1 (2003)	
Chloroacetic acid	EPA 552.3 Rev 1 (2003)	
Dibromoacetic acid	EPA 552.3 Rev 1 (2003)	
Dichloroacetic acid	EPA 552.3 Rev 1 (2003)	
Trichloroacetic acid	EPA 552.3 Rev 1 (2003)	
1,1,1,2-Tetrachloroethane	EPA 524.2_4.1_1995	
1,1,1-Trichloroethane	EPA 524.2_4.1_1995	
1,1,2,2-Tetrachloroethane	EPA 524.2_4.1_1995	
1,1,2-Trichloroethane	EPA 524.2_4.1_1995	
1,1-Dichloroethane	EPA 524.2_4.1_1995	
1,1-Dichloroethylene	EPA 524.2_4.1_1995	
1,1-Dichloropropene	EPA 524.2_4.1_1995	
1,2,3-Trichlorobenzene	EPA 524.2_4.1_1995	
1,2,3-Trichloropropane	EPA 524.2_4.1_1995	
1,2,4-Trichlorobenzene	EPA 524.2_4.1_1995	
1,2,4-Trimethylbenzene	EPA 524.2_4.1_1995	
1,2-Dichlorobenzene	EPA 524.2_4.1_1995	

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b><i>Drinking Water</i></b>		
1,2-Dichloroethane (Ethylene dichloride)	EPA 524.2_4.1_1995	
1,2-Dichloropropane	EPA 524.2_4.1_1995	
1,3,5-Trimethylbenzene	EPA 524.2_4.1_1995	
1,3-Dichlorobenzene	EPA 524.2_4.1_1995	
1,3-Dichloropropane	EPA 524.2_4.1_1995	
1,4-Dichlorobenzene	EPA 524.2_4.1_1995	
2,2-Dichloropropane	EPA 524.2_4.1_1995	
2-Chlorotoluene	EPA 524.2_4.1_1995	
4-Chlorotoluene	EPA 524.2_4.1_1995	
4-Isopropyltoluene (p-Cymene)	EPA 524.2_4.1_1995	
Benzene	EPA 524.2_4.1_1995	
Bromobenzene	EPA 524.2_4.1_1995	
Bromochloromethane	EPA 524.2_4.1_1995	
Bromodichloromethane	EPA 524.2_4.1_1995	
Bromoform	EPA 524.2_4.1_1995	
Carbon tetrachloride	EPA 524.2_4.1_1995	
Chlorobenzene	EPA 524.2_4.1_1995	
Chlorodibromomethane	EPA 524.2_4.1_1995	
Chloroethane (Ethyl chloride)	EPA 524.2_4.1_1995	
Chloroform	EPA 524.2_4.1_1995	
cis-1,2-Dichloroethylene	EPA 524.2_4.1_1995	
cis-1,3-Dichloropropene	EPA 524.2_4.1_1995	
Dibromomethane	EPA 524.2_4.1_1995	
Dichlorodifluoromethane (Freon-12)	EPA 524.2_4.1_1995	
Ethylbenzene	EPA 524.2_4.1_1995	
Hexachlorobutadiene	EPA 524.2_4.1_1995	
Isopropylbenzene	EPA 524.2_4.1_1995	
Methyl bromide (Bromomethane)	EPA 524.2_4.1_1995	
Methyl chloride (Chloromethane)	EPA 524.2_4.1_1995	
Methylene chloride (Dichloromethane)	EPA 524.2_4.1_1995	
Naphthalene	EPA 524.2_4.1_1995	

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b><i>Drinking Water</i></b>		
n-Butylbenzene	EPA 524.2_4.1_1995	
n-Propylbenzene	EPA 524.2_4.1_1995	
sec-Butylbenzene	EPA 524.2_4.1_1995	
Styrene	EPA 524.2_4.1_1995	
tert-Butylbenzene	EPA 524.2_4.1_1995	
Tetrachloroethylene (Perchloroethylene)	EPA 524.2_4.1_1995	
Toluene	EPA 524.2_4.1_1995	
Total Trihalomethanes	EPA 524.2_4.1_1995	
trans-1,2-Dichloroethylene	EPA 524.2_4.1_1995	
trans-1,3-Dichloropropylene	EPA 524.2_4.1_1995	
Trichloroethene (Trichloroethylene)	EPA 524.2_4.1_1995	
Trichlorofluoromethane (Freon 11)	EPA 524.2_4.1_1995	
Vinyl chloride	EPA 524.2_4.1_1995	
Xylene (total)	EPA 524.2_4.1_1995	
Heterotrophic Bacteria	SM 9215 E SimPlate®	
Fecal coliform-count	SM 9222 D (mFC)-06	
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	
E.coli-count	SM 9223 B Colilert 18® QTray®	
Total coliforms-count	SM 9223 B Colilert 18® QTray®	
Total coli/E.coli - detect	SM 9223 B Colilert® 24 (PA)	
E.coli-count	SM 9223 B Colilert® 24 QTray®	
Total coliforms-count	SM 9223 B Colilert® 24 QTray®	
<b><i>Non-Potable Water</i></b>		
n-Hexane Extractable Material (O&G)	EPA 1664A_1_1999	
Chloride	EPA 300.0_2.1_1993	
Fluoride	EPA 300.0_2.1_1993	
Nitrate	EPA 300.0_2.1_1993	
Nitrate + Nitrite	EPA 300.0_2.1_1993	
Nitrite	EPA 300.0_2.1_1993	
Orthophosphate	EPA 300.0_2.1_1993	
Sulfate	EPA 300.0_2.1_1993	

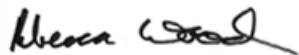
Exact Scientific Services, Inc.

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b><i>Non-Potable Water</i></b>		
Color	SM 2120 B-2011	
Turbidity	SM 2130 B-2011	
Alkalinity	SM 2320 B-2011	1
Hardness (calc.)	SM 2340 B-2011	1
Specific Conductance	SM 2510 B-2011	
Solids, Total	SM 2540 B-2011	
Solids, Total Dissolved	SM 2540 C-2011	
Solids, Total Suspended	SM 2540 D-2011	
Biochemical Oxygen Demand (BOD), Carbonaceous BOD (CBOD)	SM 5210 B-2011	
Chemical Oxygen Demand (COD)	SM 5220 D-2011	1
Total Organic Carbon	SM 5310 C-2011	1
Aluminum	EPA 200.8_5.4_1994	
Antimony	EPA 200.8_5.4_1994	
Arsenic	EPA 200.8_5.4_1994	
Barium	EPA 200.8_5.4_1994	
Beryllium	EPA 200.8_5.4_1994	
Boron	EPA 200.8_5.4_1994	
Cadmium	EPA 200.8_5.4_1994	
Calcium	EPA 200.8_5.4_1994	
Chromium	EPA 200.8_5.4_1994	
Copper	EPA 200.8_5.4_1994	
Lead	EPA 200.8_5.4_1994	
Magnesium	EPA 200.8_5.4_1994	
Manganese	EPA 200.8_5.4_1994	
Molybdenum	EPA 200.8_5.4_1994	
Nickel	EPA 200.8_5.4_1994	
Potassium	EPA 200.8_5.4_1994	
Selenium	EPA 200.8_5.4_1994	
Silver	EPA 200.8_5.4_1994	
Sodium	EPA 200.8_5.4_1994	
Thallium	EPA 200.8_5.4_1994	

Matrix/Analyte	Method	Notes
<b>Non-Potable Water</b>		
Vanadium	EPA 200.8_5.4_1994	
Zinc	EPA 200.8_5.4_1994	
Heterotrophic Bacteria	SM 9215 E SimPlate®	
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	
Fecal coliform-count	SM 9222 D (mFC)-06	
E.coli-count	SM 9222 D+G (mFC/NA Mug)	
Fecal coliform-count	SM 9222 D+G (mFC/NA Mug)	
E.coli-count	SM 9223 B Colilert 18® QTray®	
Total coliforms-count	SM 9223 B Colilert 18® QTray®	
E.coli-count	SM 9223 B Colilert® 24 QTray®	
Total coliforms-count	SM 9223 B Colilert® 24 QTray®	
Enterococci	SM 9230 D Enterolert®	1
<b>Solid and Chemical Materials</b>		
Diesel range organics (DRO)	WDOE NWTPH-Dx_(1997)	1
Fecal coliform-count	SM 9221 B+E1+C (LTB/BGB/EC-MPN)	1

**Accredited Parameter Note Detail**

(1) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100).



01/24/2019

Authentication Signature  
 Rebecca Wood, Lab Accreditation Unit Supervisor

Date