# 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 |
|---|---|---|
| **Drinking Water** | | |
| Chloride | EPA 300.0 2.1 1993 | |
| Fluoride | EPA 300.0 2.1 1993 | |
| Nitrate + Nitrite as N | EPA 300.0 2.1 1993 | |
| Nitrate as N | EPA 300.0 2.1 1993 | |
| Nitrite as N | EPA 300.0 2.1 1993 | |
| Orthophosphate as P | EPA 300.0 2.1 1993 | |
| Sulfate | EPA 300.0 2.1 1993 | |
| Cyanide, Total | EPA 335.4 1 1993 | |
| Color | SM 2120 B-2011 | |
| Turbidity | SM 2130 B-2011 | |
| Alkalinity | SM 2320 B-2011 | |
| Hardness, Total (as CaCO3) | SM 2340 C-2011 | |
| Specific Conductance | SM 2510 B-2011 | |
| Solids, Total Dissolved | SM 2540 C-2015 | |
| Cyanide, Free | SM 4500-$CN^-$ F-2016 | |
| Orthophosphate as P | SM 4500-P E-2011 | |
| Total Organic Carbon | SM 5310 C-2014 | |
| Aluminum | EPA 200.8 5.4 1994 | 4 |
| 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 | |
| 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 | |

| Matrix/ Analyte | Method | Notes |
|---|---|---|
| **Drinking Water** | | |
| Zinc | EPA 200.8 5.4 1994 | |
| Bromoacetic acid (MBAA, BAA) | EPA 552.3 Rev 1 (2003) | |
| Bromochloroacetic acid (BCAA) | EPA 552.3 Rev 1 (2003) | |
| Chloroacetic acid (MCAA, CAA) | EPA 552.3 Rev 1 (2003) | 4 |
| Dibromoacetic acid (DBAA) | EPA 552.3 Rev 1 (2003) | |
| Dichloroacetic acid (DCAA) | EPA 552.3 Rev 1 (2003) | |
| Trichloroacetic acid (TCAA) | 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 | 7 |
| 1,1-Dichloropropene | EPA 524.2 4.1 1995 | |
| 1,2,3-Trichlorobenzene | EPA 524.2 4.1 1995 | 4 |
| 1,2,3-Trichloropropane | EPA 524.2 4.1 1995 | |
| 1,2,4-Trichlorobenzene | EPA 524.2 4.1 1995 | 4 |
| 1,2,4-Trimethylbenzene | EPA 524.2 4.1 1995 | |
| 1,2-Dichlorobenzene | EPA 524.2 4.1 1995 | |
| 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 | |

| Matrix/ Analyte | Method | Notes |
|---|---|---|
| **Drinking Water** | | |
| 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 | |
| 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® | |
| **Non-Potable Water** | | |
| 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 + Nitrite as N | EPA 300.0 2.1 1993 | |
| Nitrate as N | EPA 300.0 2.1 1993 | |
| Nitrite as N | EPA 300.0 2.1 1993 | |
| Orthophosphate as P | EPA 300.0 2.1 1993 | |
| Sulfate | EPA 300.0 2.1 1993 | |
| Cyanide, Total | EPA 335.4 1 1993 | |
| Color | SM 2120 B-2011 | |
| Turbidity | SM 2130 B-2011 | |
| Alkalinity | SM 2320 B-2011 | |
| Hardness (calc.) | SM 2340 B-2011 | |
| Specific Conductance | SM 2510 B-2011 | |
| Solids, Total | SM 2540 B-2015 | |
| Solids, Total Dissolved | SM 2540 C-2015 | |
| Solids, Total Suspended | SM 2540 D-2015 | |
| Volatile suspended solids | SM 2540 E-2015 | |
| Solids, Settleable | SM 2540 F-2015 | |
| Cyanide, Weak Acid Dissociable | SM 4500-$CN^-$ I-2016 | |
| Ammonia as N | SM 4500-NH3 D-2011 | |
| Ammonia as N | SM 4500-NH3 G-2011 | |
| Nitrogen, Total Kjeldahl | SM 4500-Norg D-2021 | 6 |
| Orthophosphate as P | SM 4500-P E-2011 | |
| Phosphorus, Total | SM 4500-P E-2011 | |
| Biochemical Oxygen Demand (BOD) | SM 5210 B-2016 | |
| Carbonaceous BOD (CBOD) | SM 5210 B-2016 | |
| Chemical Oxygen Demand (COD) | SM 5220 D-2011 | |
| Total Organic Carbon | SM 5310 C-2014 | |
| Aluminum | EPA 200.8 5.4 1994 | |

| Matrix/ Analyte | Method | Notes |
|---|---|---|
| **Non-Potable Water** | | |
| 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 | 4 |
| Thallium | EPA 200.8 5.4 1994 | |
| Vanadium | EPA 200.8 5.4 1994 | |
| Zinc | EPA 200.8 5.4 1994 | |
| Diesel range organics (DRO) | WDOE NWTPH-Dx (1997) | |
| Fecal coliform-count | SM 9221 E1 (EC) | |
| Fecal coliform-count | SM 9222 D (mFC) | |
| E.coli-count | SM 9222 D+G (mFC/NA Mug) | |
| E.coli-count | SM 9223 B Colilert 18 Qtray | |
| Enterococci | SM 9230 D Enterolert | |
| **Solid and Chemical Materials** | | |
| Diesel range organics (DRO) | WDOE NWTPH-Dx (1997) | 3 |
| Fecal coliform-count | SM 9221 E1 (EC) | |

## Accredited Parameter Note Detail

(1) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (3) Accreditation is limited to liquid matrix only. (4) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110). (6) Provisional accreditation pending submittal of revised SOP. (7) Provisional status pending the resolution of audit findings.



10/12/2026

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

**Date**