

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

SVL Analytical, Incorporated

Kellogg, ID

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. Accreditation for U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) is for the latest version of the method. SM refers to EPA approved editions of "Standard Methods for the Examination of Water and Wastewater." ASTM is the American Society for Testing and Materials. Other references are described in notes.

| Matrix/Analyte | Method | Notes |
|-------------------------|--------------------|-------|
| Drinking Water | | |
| Turbidity | EPA 180.1_2_1993 | 1 |
| Bromide | EPA 300.0_2.1_1993 | 1 |
| Chloride | EPA 300.0_2.1_1993 | 1 |
| Fluoride | EPA 300.0_2.1_1993 | 1 |
| Nitrate | EPA 300.0_2.1_1993 | 1 |
| Nitrite | EPA 300.0_2.1_1993 | 1 |
| Sulfate | EPA 300.0_2.1_1993 | 1 |
| Cyanide, Total | EPA 335.4_1_1993 | 1 |
| Alkalinity | SM 2320 B-97 | 1 |
| Hardness (calc.) | SM 2340 B-97 | 1 |
| Specific Conductance | SM 2510 B-97 | 1 |
| Solids, Total Dissolved | SM 2540 C-97 | 1 |
| Orthophosphate | SM 4500-P E-99 | 1 |
| Total organic carbon | SM 5310 B-00 | 1 |
| Aluminum | EPA 200.7_4.4_1994 | 1 |
| Barium | EPA 200.7_4.4_1994 | 1 |
| Beryllium | EPA 200.7_4.4_1994 | 1 |
| Cadmium | EPA 200.7_4.4_1994 | 1 |
| Calcium | EPA 200.7_4.4_1994 | 1 |
| Chromium | EPA 200.7_4.4_1994 | 1 |
| Copper | EPA 200.7_4.4_1994 | 1 |
| Iron | EPA 200.7_4.4_1994 | 1 |

SVL Analytical, Incorporated

| Matrix/Analyte | Method | Notes |
|--------------------------|--------------------|-------|
| Magnesium | EPA 200.7_4.4_1994 | 1 |
| Manganese | EPA 200.7_4.4_1994 | 1 |
| Nickel | EPA 200.7_4.4_1994 | 1 |
| Silica | EPA 200.7_4.4_1994 | 1 |
| Silver | EPA 200.7_4.4_1994 | 1 |
| Sodium | EPA 200.7_4.4_1994 | 1 |
| Zinc | EPA 200.7_4.4_1994 | 1 |
| Antimony | EPA 200.8_5.4_1994 | 1 |
| Arsenic | EPA 200.8_5.4_1994 | 1 |
| Barium | EPA 200.8_5.4_1994 | 1 |
| Beryllium | EPA 200.8_5.4_1994 | 1 |
| Cadmium | EPA 200.8_5.4_1994 | 1 |
| Chromium | EPA 200.8_5.4_1994 | 1 |
| Copper | EPA 200.8_5.4_1994 | 1 |
| Lead | EPA 200.8_5.4_1994 | 1 |
| Manganese | EPA 200.8_5.4_1994 | 1 |
| Nickel | EPA 200.8_5.4_1994 | 1 |
| Selenium | EPA 200.8_5.4_1994 | 1 |
| Silver | EPA 200.8_5.4_1994 | 1 |
| Thallium | EPA 200.8_5.4_1994 | 1 |
| Total Uranium | EPA 200.8_5.4_1994 | 1 |
| Zinc | EPA 200.8_5.4_1994 | 1 |
| Mercury | EPA 245.1_3_1994 | 1 |
| Non-Potable Water | | |
| Cyanide, Free | ASTM D7237-10 | 1 |
| Specific Conductance | EPA 120.1_1982 | 1 |
| Solids, Total Volatile | EPA 160.4_1971 | 1 |
| Turbidity | EPA 180.1_2_1993 | 1 |
| Bromide | EPA 300.0_2.1_1993 | 1 |
| Chloride | EPA 300.0_2.1_1993 | 1 |
| Fluoride | EPA 300.0_2.1_1993 | 1 |
| Nitrate | EPA 300.0_2.1_1993 | 1 |
| Nitrate + Nitrite | EPA 300.0_2.1_1993 | 1 |
| Nitrite | EPA 300.0_2.1_1993 | 1 |
| Sulfate | EPA 300.0_2.1_1993 | 1 |

SVL Analytical, Incorporated

| Matrix/Analyte | Method | Notes |
|------------------------------|--|-------|
| Cyanide, Total | EPA 335.4_1_1993 | 1 |
| Ammonia | EPA 350.1_2_1993 | 1 |
| Nitrogen, Total Kjeldahl | EPA 351.2_2_1993 | 1 |
| Chemical Oxygen Demand (COD) | EPA 410.4_2_1993 | 1 |
| Color | SM 2120 B-01 | 1 |
| Acidity | SM 2310 B-97 | 1 |
| Alkalinity | SM 2320 B-97 | 1 |
| Hardness (calc.) | SM 2340 B-97 | 1 |
| Solids, Total | SM 2540 B-97 | 1 |
| Solids, Total Dissolved | SM 2540 C-97 | 1 |
| Solids, Total Suspended | SM 2540 D-97 | 1 |
| Chromium, Hexavalent | SM 3500-Cr B-09 | 1 |
| pH | SM 4500-H+ B-00 | 1 |
| Orthophosphate | SM 4500-P E-99 | 1 |
| Phosphorus, total | SM 4500-P E-99 | 1 |
| Sulfide | SM 4500-S ₂ ⁻ F-00 | 1 |
| Total organic carbon | SM 5310 B-00 | 1 |
| Dissolved Organic Carbon | SM 5310 C 19th ED (1995) | 3 |
| Aluminum | EPA 200.7_4.4_1994 | 1 |
| Antimony | EPA 200.7_4.4_1994 | 1 |
| Arsenic | EPA 200.7_4.4_1994 | 1 |
| Barium | EPA 200.7_4.4_1994 | 1 |
| Beryllium | EPA 200.7_4.4_1994 | 1 |
| Boron | EPA 200.7_4.4_1994 | 1 |
| Cadmium | EPA 200.7_4.4_1994 | 1 |
| Calcium | EPA 200.7_4.4_1994 | 1 |
| Chromium | EPA 200.7_4.4_1994 | 1 |
| Cobalt | EPA 200.7_4.4_1994 | 1 |
| Copper | 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 |
| Molybdenum | EPA 200.7_4.4_1994 | 1 |
| Nickel | EPA 200.7_4.4_1994 | 1 |

SVL Analytical, Incorporated

| Matrix/Analyte | Method | Notes |
|----------------|--------------------|-------|
| Potassium | EPA 200.7_4.4_1994 | 1 |
| Selenium | EPA 200.7_4.4_1994 | 1 |
| Silica | EPA 200.7_4.4_1994 | 1 |
| Silver | EPA 200.7_4.4_1994 | 1 |
| Sodium | EPA 200.7_4.4_1994 | 1 |
| Strontium | EPA 200.7_4.4_1994 | 1 |
| Thallium | EPA 200.7_4.4_1994 | 1 |
| Tin | EPA 200.7_4.4_1994 | 1 |
| Titanium | EPA 200.7_4.4_1994 | 1 |
| Vanadium | EPA 200.7_4.4_1994 | 1 |
| Zinc | EPA 200.7_4.4_1994 | 1 |
| Aluminum | EPA 200.8_5.4_1994 | 3 |
| Antimony | EPA 200.8_5.4_1994 | 1 |
| Arsenic | EPA 200.8_5.4_1994 | 1 |
| Barium | EPA 200.8_5.4_1994 | 1 |
| Beryllium | EPA 200.8_5.4_1994 | 1 |
| Cadmium | EPA 200.8_5.4_1994 | 1 |
| Chromium | EPA 200.8_5.4_1994 | 1 |
| Cobalt | EPA 200.8_5.4_1994 | 1 |
| Copper | EPA 200.8_5.4_1994 | 1 |
| Iron | EPA 200.8_5.4_1994 | 3 |
| Lead | EPA 200.8_5.4_1994 | 1 |
| Magnesium | EPA 200.8_5.4_1994 | 3 |
| Manganese | EPA 200.8_5.4_1994 | 1 |
| Molybdenum | EPA 200.8_5.4_1994 | 1 |
| Nickel | EPA 200.8_5.4_1994 | 1 |
| Selenium | EPA 200.8_5.4_1994 | 1 |
| Silver | EPA 200.8_5.4_1994 | 1 |
| Thallium | EPA 200.8_5.4_1994 | 1 |
| Total Uranium | EPA 200.8_5.4_1994 | 1 |
| Vanadium | EPA 200.8_5.4_1994 | 1 |
| Zinc | EPA 200.8_5.4_1994 | 1 |
| Gold | EPA 231.2_1978 | 1 |
| Mercury | EPA 245.1_3_1994 | 1 |
| Corrosivity | SM 2330 B-00 | 1 |

SVL Analytical, Incorporated

| Matrix/Analyte | Method | Notes |
|-------------------------------------|------------------|-------|
| Solid and Chemical Materials | | |
| Cyanide, Total | EPA 9012 B-04 | 1 |
| pH | EPA 9045D_2002 | 1 |
| Aluminum | EPA 6010C_(2/07) | 1 |
| Antimony | EPA 6010C_(2/07) | 1 |
| Arsenic | EPA 6010C_(2/07) | 1 |
| Barium | EPA 6010C_(2/07) | 1 |
| Beryllium | EPA 6010C_(2/07) | 1 |
| Boron | EPA 6010C_(2/07) | 1 |
| Cadmium | EPA 6010C_(2/07) | 1 |
| Calcium | EPA 6010C_(2/07) | 1 |
| Chromium | EPA 6010C_(2/07) | 1 |
| Cobalt | EPA 6010C_(2/07) | 1 |
| Copper | EPA 6010C_(2/07) | 1 |
| Iron | EPA 6010C_(2/07) | 1 |
| Lead | EPA 6010C_(2/07) | 1 |
| Magnesium | EPA 6010C_(2/07) | 1 |
| Manganese | EPA 6010C_(2/07) | 1 |
| Molybdenum | EPA 6010C_(2/07) | 1 |
| Nickel | EPA 6010C_(2/07) | 1 |
| Potassium | EPA 6010C_(2/07) | 1 |
| Selenium | EPA 6010C_(2/07) | 1 |
| Silver | EPA 6010C_(2/07) | 1 |
| Sodium | EPA 6010C_(2/07) | 1 |
| Strontium | EPA 6010C_(2/07) | 1 |
| Thallium | EPA 6010C_(2/07) | 1 |
| Tin | EPA 6010C_(2/07) | 1,4 |
| Titanium | EPA 6010C_(2/07) | 1 |
| Vanadium | EPA 6010C_(2/07) | 1 |
| Zinc | EPA 6010C_(2/07) | 1 |
| Antimony | EPA 6020A_(2/07) | 1 |
| Arsenic | EPA 6020A_(2/07) | 1 |
| Barium | EPA 6020A_(2/07) | 1 |
| Beryllium | EPA 6020A_(2/07) | 1 |
| Cadmium | EPA 6020A_(2/07) | 1 |

SVL Analytical, Incorporated

| Matrix/Analyte | Method | Notes |
|----------------|------------------|-------|
| Chromium | EPA 6020A_(2/07) | 1,2 |
| Cobalt | EPA 6020A_(2/07) | 1 |
| Copper | EPA 6020A_(2/07) | 1,2 |
| Lead | EPA 6020A_(2/07) | 1 |
| Manganese | EPA 6020A_(2/07) | 1 |
| Molybdenum | EPA 6020A_(2/07) | 1 |
| Nickel | EPA 6020A_(2/07) | 1 |
| Selenium | EPA 6020A_(2/07) | 1 |
| Silver | EPA 6020A_(2/07) | 1 |
| Thallium | EPA 6020A_(2/07) | 1 |
| Vanadium | EPA 6020A_(2/07) | 1,2 |
| Zinc | EPA 6020A_(2/07) | 1 |
| Mercury | EPA 7471B_(1/98) | 1 |
| Ignitability | EPA 1010A - 2004 | 1 |

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of Florida NELAP accreditation. (2) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110). (3) Interim accreditation pending the successful completion of an on-site audit to verify method capabilities (WAC 173-50-100). (4) Method modified for the analysis of tin.



04/09/2015

Authentication Signature
 Alan D. Rue, Lab Accreditation Unit Supervisor

Date