



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

PO Box 488 • Manchester, WA 98353-0488 • (360) 895-6144

May 11, 2011

Mr. Michael Desmarais  
SVL Analytical, Incorporated  
PO Box 929  
Kellogg, ID 83837

Dear Mr. Desmarais:

Thank you for your application for renewal in the Environmental Laboratory Accreditation Program. Enclosed is a Certificate of Accreditation covering the one-year period beginning May 17, 2011 and a current Scope of Accreditation.

Renewal of accreditation is based in part on review of your lab's performance over the past year as evidenced by participation in proficiency testing (PT) studies. In general, full accreditation is awarded for those parameters for which the two most recent PT results, if applicable, were rated satisfactory. Provisional accreditation is awarded if the latest of the two most recent PT results was rated "Not Acceptable" or only one PT result was submitted during the past twelve months. Accreditation is withheld for those parameters for which the two most recent PT results were rated "Not Acceptable" or no PT results were submitted during the past twelve-months.

As a reminder, continued participation in the Ecology Lab Accreditation Program requires the lab to:

- Submit a renewal application and fees annually
- Report significant changes in facility, personnel, analytical methods, equipment, the lab's quality assurance (QA) manual or QA procedures as they occur
- **Participate in proficiency testing studies semi-annually, with the following exception: For each parameter where all PT results were satisfactory, you are required to submit only one PT result over this next year, and in subsequent years, as long as the results are satisfactory.** (This new allowance went into effect on September 9, 2010.) **Note that annual PTs are now required for microbiology methods in Non-Potable water.**
- Submit copies of current third-party Scopes of Accreditation when they are available.

If you have any questions concerning the accreditation of your lab, please contact Dennis Julvezan at (360) 895-6147, fax (360) 895-6180, or by e-mail at [djul461@ecy.wa.gov](mailto:djul461@ecy.wa.gov).

Sincerely,

Alan D. Rue  
Lab Accreditation Unit Supervisor

AR:DJ:dj  
Enclosures

The State of  
Department



Washington  
of Ecology

**SVL Analytical, Incorporated**  
**Kellogg, ID**

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective May 17, 2011 and shall expire May 16, 2012.

Witnessed under my hand on May 11, 2011

Alan D. Rue  
Lab Accreditation Unit Supervisor

Laboratory ID  
**C573**

# 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
<b>Drinking Water</b>		
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	1
Bromide	EPA 300.0	1
Chloride	EPA 300.0	1
Color	SM 2120 B	1
Conductivity	SM 2510 B	1
Fluoride	EPA 300.0	1
Hardness (calc.)	SM 2340 B	1
Nitrate	EPA 300.0	1
Nitrate	EPA 353.2	1
Nitrite	EPA 300.0	1
Nitrite	EPA 353.2	1
Orthophosphate as P	SM 4500-P E	1
Residue-filterable (TDS)	SM 2540 C	1
Sulfate	EPA 300.0	1
Total cyanide	EPA 335.4	1
Total organic carbon	SM 5310 B	1
Turbidity	EPA 180.1	1
Aluminum	EPA 200.7	1
Antimony	EPA 200.8	1
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Beryllium	EPA 200.7	1
Beryllium	EPA 200.8	1
Cadmium	EPA 200.7	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Chromium	EPA 200.7	1
Chromium	EPA 200.8	1
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Iron	EPA 200.7	1
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 245.1	1
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Selenium	EPA 200.8	1
Silica as SiO <sub>2</sub>	EPA 200.7	1
Silver	EPA 200.7	1
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Thallium	EPA 200.8	1
Uranium	EPA 200.8	1
Zinc	EPA 200.7	1
Zinc	EPA 200.8	1
<b>Non-Potable Water</b>		
Acidity, as CaCO <sub>3</sub>	SM 2310 B	1
Alkalinity as CaCO <sub>3</sub>	SM 2320 B	1
Amenable cyanide	SM 4500-CN I	1
Ammonia as N	EPA 350.1	1
Bromide	EPA 300.0	1
Chemical oxygen demand	EPA 410.4	1
Chloride	EPA 300.0	1
Chromium VI	SM 3500-Cr D	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Color	SM 2120 B	1
Conductivity	EPA 120.1	1
Fluoride	EPA 300.0	1
Hardness (calc.)	SM 2340 B	1
Kjeldahl nitrogen - total	EPA 351.2	1
Nitrate	EPA 300.0	1
Nitrate	EPA 353.2	1
Nitrate-nitrite	EPA 300.0	1
Nitrate-nitrite	EPA 353.2	1
Nitrite	EPA 300.0	1
Nitrite	EPA 353.2	1
Orthophosphate as P	SM 4500-P E	1
Phosphorus, total	SM 4500-P E	1
Residue-filterable (TDS)	SM 2540 C	1
Residue-nonfilterable (TSS)	SM 2540 D	1
Residue-total	SM 2540 B	1
Residue-volatile	EPA 160.4	1
Sulfate	EPA 300.0	1
Sulfide	SM 4500-S2 F	1
Total cyanide	EPA 335.4	1
Total organic carbon	SM 5310 B	1
Turbidity	EPA 180.1	1
Aluminum	EPA 200.7	1
Antimony	EPA 200.7	1
Antimony	EPA 200.8	1
Arsenic	EPA 200.7	1
Arsenic	EPA 200.8	1
Barium	EPA 200.7	1
Barium	EPA 200.8	1
Beryllium	EPA 200.7	1
Beryllium	EPA 200.8	1
Boron	EPA 200.7	1
Cadmium	EPA 200.7	1
Cadmium	EPA 200.8	1
Calcium	EPA 200.7	1
Chromium	EPA 200.7	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Chromium	EPA 200.8	1
Cobalt	EPA 200.7	1
Cobalt	EPA 200.8	1
Copper	EPA 200.7	1
Copper	EPA 200.8	1
Iron	EPA 200.7	1
Lead	EPA 200.7	1
Lead	EPA 200.8	1
Magnesium	EPA 200.7	1
Manganese	EPA 200.7	1
Manganese	EPA 200.8	1
Mercury	EPA 245.1	1
Molybdenum	EPA 200.7	1
Molybdenum	EPA 200.8	1
Nickel	EPA 200.7	1
Nickel	EPA 200.8	1
Potassium	EPA 200.7	1
Selenium	EPA 200.7	1
Selenium	EPA 200.8	1
Silica as SiO <sub>2</sub>	EPA 200.7	1
Silver	EPA 200.7	1
Silver	EPA 200.8	1
Sodium	EPA 200.7	1
Strontium	EPA 200.7	1
Thallium	EPA 200.7	1
Thallium	EPA 200.8	1
Tin	EPA 200.7	1
Titanium	EPA 200.7	1
Uranium	EPA 200.8	1
Vanadium	EPA 200.7	1
Vanadium	EPA 200.8	1
Zinc	EPA 200.7	1
Zinc	EPA 200.8	1
Corrosivity	SM 2330 B	1

**Solid and Chemical Materials**

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
pH (non-aqueous)	EPA 9045	1
Total cyanide	EPA 9012	1
Aluminum	EPA 6010	1
Antimony	EPA 6010	1
Antimony	EPA 6020	1
Arsenic	EPA 6010	1
Arsenic	EPA 6020	1
Barium	EPA 6010	1
Barium	EPA 6020	1
Beryllium	EPA 6010	1
Beryllium	EPA 6020	1
Boron	EPA 6010	1,2
Cadmium	EPA 6010	1
Cadmium	EPA 6020	1
Calcium	EPA 6010	1
Chromium	EPA 6010	1
Chromium	EPA 6020	1
Cobalt	EPA 6010	1
Cobalt	EPA 6020	1
Copper	EPA 6010	1
Copper	EPA 6020	1
Iron	EPA 6010	1
Lead	EPA 6010	1
Lead	EPA 6020	1
Magnesium	EPA 6010	1
Manganese	EPA 6010	1
Manganese	EPA 6020	1
Mercury, Liquid Waste	EPA 7470	1
Mercury, Solid Waste	EPA 7471	1
Molybdenum	EPA 6010	1
Molybdenum	EPA 6020	1
Nickel	EPA 6010	1,2
Nickel	EPA 6020	1
Potassium	EPA 6010	1
Selenium	EPA 6010	1
Selenium	EPA 6020	1

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<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
Silica as SiO <sub>2</sub>	EPA 6010	1
Silver	EPA 6010	1
Silver	EPA 6020	1
Sodium	EPA 6010	1
Strontium	EPA 6010	1
Thallium	EPA 6010	1
Thallium	EPA 6020	1
Tin	EPA 6010	1,3
Titanium	EPA 6010	1
Vanadium	EPA 6010	1
Vanadium	EPA 6020	1
Zinc	EPA 6010	1
Zinc	EPA 6020	1
Ignitability	EPA 1010	1

**Accredited Parameter Note Detail**

(1) Accreditation based in part on recognition of Florida NELAP accreditation. (2) Provisional accreditation pending submittal of additional, acceptable Proficiency Testing (PT) results (WAC 173-50-110). (3) Method modified for the analysis of tin.



5/11/2011

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Authentication Signature  
Alan D. Rue, Lab Accreditation Unit Supervisor

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Date

# Parameters Not Accredited

## SVL Analytical, Incorporated

Kellogg, ID

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Analyte	Method	Notes	Matrix
Gold	EPA 231.2	1	N
Gold	EPA 6010	1	S

### Denied Parameter Accreditation Footnotes

(1) Withdrawn at laboratory's request.

Matrix Definitions - D = Drinking Water; N = Non-potable Water; S = Solid and Chemical Material; A = Air and Emissions.