

# State of Utah

Department of Health

Environmental Laboratory Certification Program

*Certification is hereby granted to*

SVL Analytical, Inc.

One Government Gulch

Kellogg, ID 83837

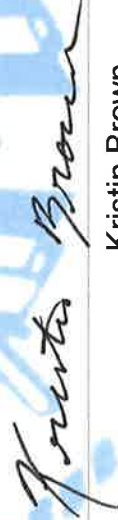
*Has conformed with the  
2016 TNI Standard*

*Scope of accreditation is limited to the  
State of Utah accredited fields that accompany  
this Certificate*

EPA Number: ID00019

Expiration Date: 4/30/2023

Certificate Number: ID000192022-11



Kristin Brown  
Program Manager



*Continued accredited status depends on successful ongoing participation in the program.*



State of Utah  
 Spencer J. Cox  
 Governor  
 Deidre Henderson  
 Lieutenant Governor

**Utah Department of Health**

Richard G. Saunders

*Executive Director*

**Division of Disease Control and Prevention**

Janae Duncan

*Division Director*



**EPA Number: ID00019**

**Attachment to Certificate Number: ID000192022-11**

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SVL Analytical, Inc.

**Start Date Expires AB**

**Program/Matrix: CWA (Non Potable Water)**

**Method ASTM D1576-08**

Nitrogen 07/01/17 04/30/23 UT

**Method ASTM D7237-10**

Free cyanide 07/01/17 04/30/23 UT

**Method EPA 120.1**

Conductivity 07/01/17 04/30/23 UT

**Method EPA 180.1 Revision 2 1993**

Turbidity 07/01/17 04/30/23 UT

**Method EPA 200.7**

Calcium hardness as CaCO3 07/01/17 04/30/23 UT

**Method EPA 200.7 Revision 4.4 1994**

Aluminum 07/01/17 04/30/23 UT

Antimony 07/01/17 04/30/23 UT

Arsenic 07/01/17 04/30/23 UT

Barium 07/01/17 04/30/23 UT

Beryllium 07/01/17 04/30/23 UT

Bismuth 07/01/17 04/30/23 UT

Boron 07/01/17 04/30/23 UT

Cadmium 07/01/17 04/30/23 UT

Calcium 07/01/17 04/30/23 UT

Chromium 07/01/17 04/30/23 UT

Cobalt 07/01/17 04/30/23 UT

Copper 07/01/17 04/30/23 UT

Gallium 07/01/17 04/30/23 UT

Iron 07/01/17 04/30/23 UT

Lead 07/01/17 04/30/23 UT

Lithium 07/01/17 04/30/23 UT

Magnesium 07/01/17 04/30/23 UT

Manganese 07/01/17 04/30/23 UT

Molybdenum 07/01/17 04/30/23 UT

Nickel 07/01/17 04/30/23 UT

Potassium 07/01/17 04/30/23 UT

Scandium 07/01/17 04/30/23 UT

Selenium 07/01/17 04/30/23 UT

Silica as SiO2 07/01/17 04/30/23 UT



SVL Analytical, Inc.

	Start Date	Expires	AB
<b>Program/Matrix: CWA (Non Potable Water)</b>			
Silver	07/01/17	04/30/23	UT
Sodium	07/01/17	04/30/23	UT
Strontium	07/01/17	04/30/23	UT
Thallium	07/01/17	04/30/23	UT
Tin	07/01/17	04/30/23	UT
Titanium	07/01/17	04/30/23	UT
Total hardness as CaCO3	07/01/17	04/30/23	UT
Vanadium	07/01/17	04/30/23	UT
Zinc	07/01/17	04/30/23	UT
<b>Method EPA 200.8 Revision 5.4 1994</b>			
Aluminum	07/01/17	04/30/23	UT
Antimony	07/01/17	04/30/23	UT
Arsenic	07/01/17	04/30/23	UT
Barium	07/01/17	04/30/23	UT
Beryllium	07/01/17	04/30/23	UT
Cadmium	07/01/17	04/30/23	UT
Chromium	07/01/17	04/30/23	UT
Cobalt	07/01/17	04/30/23	UT
Copper	07/01/17	04/30/23	UT
Gold	07/01/17	04/30/23	UT
Iron	07/01/17	04/30/23	UT
Lead	07/01/17	04/30/23	UT
Magnesium	07/01/17	04/30/23	UT
Manganese	07/01/17	04/30/23	UT
Molybdenum	07/01/17	04/30/23	UT
Nickel	07/01/17	04/30/23	UT
Selenium	07/01/17	04/30/23	UT
Silver	07/01/17	04/30/23	UT
Thallium	07/01/17	04/30/23	UT
Uranium	07/01/17	04/30/23	UT
Uranium Total (mass)	07/01/17	04/30/23	UT
Vanadium	07/01/17	04/30/23	UT
Zinc	07/01/17	04/30/23	UT
<b>Method EPA 245.1</b>			
Mercury	07/01/17	04/30/23	UT
<b>Method EPA 300.0 Revision 2.1 1993</b>			
Nitrate plus Nitrite as N	07/01/17	04/30/23	UT
Bromide	07/01/17	04/30/23	UT
Chloride	07/01/17	04/30/23	UT
Fluoride	07/01/17	04/30/23	UT
Nitrate as N	07/01/17	04/30/23	UT
Nitrite as N	07/01/17	04/30/23	UT
Sulfate	07/01/17	04/30/23	UT
<b>Method EPA 335.4 Revision 1 1993</b>			
Total cyanide	07/01/17	04/30/23	UT
<b>Method EPA 350.1 Revision 2 1993</b>			
Ammonia as N	07/01/17	04/30/23	UT

SVL Analytical, Inc.

Start Date Expires AB

**Program/Matrix: CWA (Non Potable Water)**

Method	Start Date	Expires	AB
<b>Method EPA 351.2 Revision 2 1993</b> Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN)	07/01/17	04/30/23	UT
<b>Method EPA 353.2 Revision 2 1993</b> Nitrate plus Nitrite as N	07/01/17	04/30/23	UT
<b>Method EPA 410.4 Revision 2 1993</b> Chemical oxygen demand	07/01/17	04/30/23	UT
<b>Method HACH 10205</b> Ammonia as N	10/23/20	04/30/23	UT
<b>Method SM 2120 B-2011</b> Color	07/01/17	04/30/23	UT
<b>Method SM 2310 B-2011</b> Acidity, as CaCO <sub>3</sub>	07/01/17	04/30/23	UT
<b>Method SM 2320 B-2011</b> Alkalinity as CaCO <sub>3</sub>	07/01/17	04/30/23	UT
<b>Method SM 2330 B-2010</b> Corrosivity (langlier index)	03/13/20	04/30/23	UT
<b>Method SM 2340 B-2011</b> Total hardness as CaCO <sub>3</sub>	07/01/17	04/30/23	UT
<b>Method SM 2510 B-2011</b> Conductivity	07/01/17	04/30/23	UT
<b>Method SM 2540 B-2011</b> Residue-total	07/01/17	04/30/23	UT
<b>Method SM 2540 C-2011</b> Residue-filterable (TDS)	07/01/17	04/30/23	UT
<b>Method SM 2540 D-2011</b> Residue-nonfilterable (TSS)	07/01/17	04/30/23	UT
<b>Method SM 2540 E-2011</b> Residue-volatile	07/01/17	04/30/23	UT
<b>Method SM 3500-Cr B-2011</b> Chromium VI	07/01/17	04/30/23	UT
<b>Method SM 4500-CN<sup>-</sup> I-2011</b> Weak Acid Dissociable Cyanide	01/08/18	04/30/23	UT
<b>Method SM 4500-H<sup>+</sup> B-2011</b> pH	07/01/17	04/30/23	UT
<b>Method SM 4500-O G-2001</b> Oxygen, dissolved	03/13/20	04/30/23	UT
<b>Method SM 4500-P E-2011</b> Orthophosphate as P	07/01/17	04/30/23	UT
Phosphorus, total	07/01/17	04/30/23	UT
<b>Method SM 4500-S<sub>2</sub><sup>-</sup> D-2011</b> Sulfide	03/13/20	04/30/23	UT
<b>Method SM 5310 B-2011</b> Dissolved organic carbon (DOC)	07/01/17	04/30/23	UT

SVL Analytical, Inc.

Start Date Expires AB

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**Program/Matrix: CWA (Non Potable Water)**

Total organic carbon	07/01/17	04/30/23	UT
<b>Method SM 5540 C-2011</b>			
Surfactants - MBAS	01/08/18	04/30/23	UT
<b>Method SVL 4029</b>			
Specific Gravity	07/01/17	04/30/23	UT

SVL Analytical, Inc.

Start Date Expires AB

**Program/Matrix: CWA (Solid & Hazardous Material)**

**Method EPA 300.0 Revision 2.1 1993**

Bromide	07/01/17	04/30/23	UT
Chloride	07/01/17	04/30/23	UT
Fluoride	07/01/17	04/30/23	UT
Nitrate as N	07/01/17	04/30/23	UT
Nitrite as N	07/01/17	04/30/23	UT
Sulfate	07/01/17	04/30/23	UT

SVL Analytical, Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Non Potable Water)****Method EPA 1010A**

Method	Start Date	Expires	AB
EPA 1010A			
Ignitability	07/01/17	04/30/23	UT

**Method EPA 6010D**

Aluminum	01/31/20	04/30/23	UT
Antimony	01/31/20	04/30/23	UT
Arsenic	01/31/20	04/30/23	UT
Barium	01/31/20	04/30/23	UT
Beryllium	01/31/20	04/30/23	UT
Boron	01/31/20	04/30/23	UT
Cadmium	01/31/20	04/30/23	UT
Calcium	01/31/20	04/30/23	UT
Chromium	01/31/20	04/30/23	UT
Cobalt	01/31/20	04/30/23	UT
Copper	01/31/20	04/30/23	UT
Iron	01/31/20	04/30/23	UT
Lead	01/31/20	04/30/23	UT
Lithium	01/31/20	04/30/23	UT
Magnesium	01/31/20	04/30/23	UT
Manganese	01/31/20	04/30/23	UT
Molybdenum	01/31/20	04/30/23	UT
Nickel	01/31/20	04/30/23	UT
Potassium	01/31/20	04/30/23	UT
Selenium	01/31/20	04/30/23	UT
Silicon	01/31/20	04/30/23	UT
Silver	01/31/20	04/30/23	UT
Sodium	01/31/20	04/30/23	UT
Thallium	01/31/20	04/30/23	UT
Tin	01/31/20	04/30/23	UT
Titanium	01/31/20	04/30/23	UT
Vanadium	01/31/20	04/30/23	UT
Zinc	01/31/20	04/30/23	UT

**Method EPA 6020B**

Antimony	07/01/17	04/30/23	UT
Arsenic	07/01/17	04/30/23	UT
Barium	07/01/17	04/30/23	UT
Beryllium	07/01/17	04/30/23	UT
Cadmium	07/01/17	04/30/23	UT
Chromium	07/01/17	04/30/23	UT
Copper	07/01/17	04/30/23	UT
Lead	07/01/17	04/30/23	UT
Manganese	07/01/17	04/30/23	UT
Molybdenum	07/01/17	04/30/23	UT
Nickel	07/01/17	04/30/23	UT
Selenium	07/01/17	04/30/23	UT
Silver	07/01/17	04/30/23	UT
Thallium	07/01/17	04/30/23	UT
Uranium	12/14/21	04/30/23	UT
Vanadium	07/01/17	04/30/23	UT

SVL Analytical, Inc.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Non Potable Water)</b>			
Zinc	07/01/17	04/30/23	UT
<b>Method EPA 7470A</b>			
Mercury	07/01/17	04/30/23	UT
<b>Method EPA 9012B</b>			
Total cyanide	03/13/20	04/30/23	UT
<b>Method EPA/600/2-78/054 Sec 3.2.2 Paste pH</b>			
pH	07/01/17	04/30/23	UT
<b>Method SM 4500-CN<sup>-</sup> I-2011</b>			
Weak Acid Dissociable Cyanide	07/01/17	04/30/23	UT
<b>Method SVL 4061</b>			
Acid Neutrilizing Potential	07/01/17	04/30/23	UT



SVL Analytical, Inc.

Start Date Expires AB

**Program/Matrix: RCRA (Solid & Hazardous Material)****Method ASTM D5744-13**

Preparation/Extraction 03/13/20 04/30/23 UT

**Method ASTM E1915-11**

Sulfur 07/01/17 04/30/23 UT

Total Carbon 07/01/17 04/30/23 UT

**Method ASTM E2242-13**

Meteoric water mobility procedure 07/01/17 04/30/23 UT

**Method CA Waste Extraction Test (WET)**

Preparation/Extraction 07/01/17 04/30/23 UT

**Method EPA 1010A**

Ignitability 07/01/17 04/30/23 UT

**Method EPA 1311**

Toxicity Characteristic Leaching Procedure (TCLP) 07/01/17 04/30/23 UT

**Method EPA 1312 Synthetic Precipitation Leaching Procedure**

Synthetic Precipitation Leaching Procedure (SPLP) 07/01/17 04/30/23 UT

**Method EPA 351.2 1978**

Kjeldahl Nitrogen (Total Kjeldahl Nitrogen-TKN) 07/01/17 04/30/23 UT

**Method EPA 6010D**

Aluminum 01/31/20 04/30/23 UT

Antimony 01/31/20 04/30/23 UT

Arsenic 01/31/20 04/30/23 UT

Barium 01/31/20 04/30/23 UT

Beryllium 01/31/20 04/30/23 UT

Boron 01/31/20 04/30/23 UT

Cadmium 01/31/20 04/30/23 UT

Calcium 01/31/20 04/30/23 UT

Chromium 01/31/20 04/30/23 UT

Cobalt 01/31/20 04/30/23 UT

Copper 01/31/20 04/30/23 UT

Iron 01/31/20 04/30/23 UT

Lead 01/31/20 04/30/23 UT

Lithium 01/31/20 04/30/23 UT

Magnesium 01/31/20 04/30/23 UT

Manganese 01/31/20 04/30/23 UT

Molybdenum 01/31/20 04/30/23 UT

Nickel 01/31/20 04/30/23 UT

Phosphorus, total 01/31/20 04/30/23 UT

Potassium 01/31/20 04/30/23 UT

Selenium 01/31/20 04/30/23 UT

Silver 01/31/20 04/30/23 UT

Sodium 01/31/20 04/30/23 UT

Strontium 01/31/20 04/30/23 UT

Thallium 01/31/20 04/30/23 UT

Tin 01/31/20 04/30/23 UT

Titanium 01/31/20 04/30/23 UT

Vanadium 01/31/20 04/30/23 UT

SVL Analytical, Inc.

	Start Date	Expires	AB
<b>Program/Matrix: RCRA (Solid &amp; Hazardous Material)</b>			
Zinc	01/31/20	04/30/23	UT
<b>Method EPA 6020B</b>			
Antimony	07/01/17	04/30/23	UT
Arsenic	07/01/17	04/30/23	UT
Barium	07/01/17	04/30/23	UT
Beryllium	07/01/17	04/30/23	UT
Cadmium	07/01/17	04/30/23	UT
Chromium	07/01/17	04/30/23	UT
Cobalt	07/01/17	04/30/23	UT
Copper	07/01/17	04/30/23	UT
Lead	07/01/17	04/30/23	UT
Manganese	07/01/17	04/30/23	UT
Molybdenum	07/01/17	04/30/23	UT
Nickel	07/01/17	04/30/23	UT
Selenium	07/01/17	04/30/23	UT
Silver	07/01/17	04/30/23	UT
Thallium	07/01/17	04/30/23	UT
Uranium	12/14/21	04/30/23	UT
Vanadium	07/01/17	04/30/23	UT
Zinc	07/01/17	04/30/23	UT
<b>Method EPA 7471B</b>			
Mercury	07/01/17	04/30/23	UT
<b>Method EPA 9012B</b>			
Total cyanide	07/01/17	04/30/23	UT
<b>Method EPA 9045D</b>			
pH	07/01/17	04/30/23	UT
<b>Method SM 4500-CN<sup>-</sup> I-2011</b>			
Weak Acid Dissociable Cyanide	07/01/17	04/30/23	UT
<b>Method SVL 4060</b>			
Loss On Ignition (LOI)	07/01/17	04/30/23	UT
<b>Method SVL 4061</b>			
Sulfur	07/01/17	04/30/23	UT
<b>Method SVL 4123</b>			
Percent Silica	07/01/17	04/30/23	UT
<b>Method SVL 4125</b>			
Chromium VI	07/01/17	04/30/23	UT
<b>Method SVL 4130</b>			
Net Acid Generation	07/01/17	04/30/23	UT
<b>Method SVL 4131</b>			
Free cyanide	07/01/17	04/30/23	UT
<b>Method SVL 4139</b>			
Total organic carbon	07/01/17	04/30/23	UT
<b>Method TKN plus Total Nitrate-nitrite</b>			
Total Nitrogen	07/01/17	04/30/23	UT

SVL Analytical, Inc.

Start Date Expires AB

**Program/Matrix: SDWA (Potable Water)****Method EPA 180.1 Revision 2 1993**

Turbidity 07/01/17 04/30/23 UT

**Method EPA 200.7**

Total hardness as CaCO3 07/01/17 04/30/23 UT

**Method EPA 200.7 Revision 4.4 1994**

Aluminum 07/01/17 04/30/23 UT

Barium 07/01/17 04/30/23 UT

Boron 07/01/17 04/30/23 UT

Cadmium 07/01/17 04/30/23 UT

Calcium 07/01/17 04/30/23 UT

Chromium 07/01/17 04/30/23 UT

Copper 07/01/17 04/30/23 UT

Iron 07/01/17 04/30/23 UT

Magnesium 07/01/17 04/30/23 UT

Manganese 07/01/17 04/30/23 UT

Molybdenum 07/01/17 04/30/23 UT

Nickel 07/01/17 04/30/23 UT

Silica as SiO2 07/01/17 04/30/23 UT

Silver 07/01/17 04/30/23 UT

Sodium 07/01/17 04/30/23 UT

Vanadium 07/01/17 04/30/23 UT

Zinc 07/01/17 04/30/23 UT

**Method EPA 200.8 Revision 5.4 1994**

Antimony 07/01/17 04/30/23 UT

Arsenic 07/01/17 04/30/23 UT

Barium 07/01/17 04/30/23 UT

Beryllium 07/01/17 04/30/23 UT

Cadmium 07/01/17 04/30/23 UT

Chromium 07/01/17 04/30/23 UT

Copper 07/01/17 04/30/23 UT

Lead 07/01/17 04/30/23 UT

Manganese 07/01/17 04/30/23 UT

Molybdenum 07/01/17 04/30/23 UT

Nickel 07/01/17 04/30/23 UT

Selenium 07/01/17 04/30/23 UT

Silver 07/01/17 04/30/23 UT

Thallium 07/01/17 04/30/23 UT

Uranium 05/01/20 04/30/23 UT

Vanadium 07/01/17 04/30/23 UT

Zinc 07/01/17 04/30/23 UT

**Method EPA 245.1**

Mercury 07/01/17 04/30/23 UT

**Method EPA 300.0 Revision 2.1 1993**

Nitrate plus Nitrite as N 07/01/17 04/30/23 UT

Bromide 07/01/17 04/30/23 UT

Chloride 07/01/17 04/30/23 UT

Fluoride 07/01/17 04/30/23 UT

SVL Analytical, Inc.

	Start Date	Expires	AB
<b>Program/Matrix: SDWA (Potable Water)</b>			
Nitrate as N	07/01/17	04/30/23	UT
Nitrite as N	07/01/17	04/30/23	UT
Sulfate	07/01/17	04/30/23	UT
<b>Method EPA 335.4 Revision 1 1993</b>			
Total cyanide	07/01/17	04/30/23	UT
<b>Method EPA 353.2 Revision 2 1993</b>			
Nitrate plus Nitrite as N	07/01/17	04/30/23	UT
<b>Method SM 2120 B-2011</b>			
Color	07/01/17	04/30/23	UT
<b>Method SM 2150 B-2011</b>			
Odor	03/13/20	04/30/23	UT
<b>Method SM 2320 B-2011</b>			
Alkalinity as CaCO <sub>3</sub>	07/01/17	04/30/23	UT
<b>Method SM 2330 B-2010</b>			
Corrosivity (langlier index)	03/13/20	04/30/23	UT
<b>Method SM 2340 B-2011</b>			
Total hardness as CaCO <sub>3</sub>	07/01/17	04/30/23	UT
<b>Method SM 2510 B-2011</b>			
Conductivity	07/01/17	04/30/23	UT
<b>Method SM 2540 C-2011</b>			
Residue-filterable (TDS)	07/01/17	04/30/23	UT
<b>Method SM 4500-H+ B-2011</b>			
pH	07/01/17	04/30/23	UT
<b>Method SM 4500-P E-2011</b>			
Orthophosphate as P	03/13/20	04/30/23	UT
<b>Method SM 5310 B-2011</b>			
Dissolved organic carbon (DOC)	03/13/20	04/30/23	UT
Total organic carbon	03/13/20	04/30/23	UT
<b>Method SM 5540 C-2011</b>			
Surfactants - MBAS	01/08/18	04/30/23	UT

The Utah Environmental Laboratory Certification Program (ELCP) encourages clients and data users to verify the most current certification letter for the authorized method.

The analytes by method which a laboratory is authorized to perform at any given time will be those indicated in the most recent certificate letter. The most recent certification letter supersedes all previous certification or authorization letters. It is the certified laboratory's responsibility to review this letter for discrepancies. The certified laboratory must document any discrepancies in this letter and send notice to this bureau within 15 days of receipt. This certificate letter will be recalled in the event your laboratory's certification is revoked.