



CALIFORNIA

Water Boards

STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF ENVIRONMENTAL ACCREDITATION**

Is hereby granted to

**Silver State Analytical Labs - SEM Reno**

1135 Financial Boulevard

Reno, NV 89502

Scope of the certificate is limited to the  
"Fields of Testing"  
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2990**

Expiration Date: **7/31/2019**

Effective Date: **8/1/2018**

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing**



**Silver State Analytical Labs - SEM Reno**

1135 Financial Boulevard  
Reno, NV 89502  
Phone: (775) 857-2400

Certificate No.     **2990**  
Expiration Date    **7/31/2019**

**Field of Testing: 101 - Microbiology of Drinking Water**

101.010	001	Heterotrophic Bacteria	SM9215 B
101.050	001	Total Coliform P/A	SM9223 B (Colilert)
101.050	002	E. coli P/A	SM9223 B (Colilert)
101.050	003	Total Coliform (Enumeration)	SM9223 B (Colilert)
101.050	004	E. coli (Enumeration)	SM9223 B (Colilert)
101.050	005	Total Coliform P/A	SM9223 (Colilert 18)
101.050	006	E. coli P/A	SM9223 (Colilert 18)
101.050	007	Total Coliform (Enumeration)	SM9223 (Colilert 18)
101.050	008	E. coli (Enumeration)	SM9223 (Colilert 18)

**Field of Testing: 102 - Inorganic Chemistry of Drinking Water**

102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.190	001	Cyanide, Total	SM4500-CN E
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.270	001	Surfactants	SM5540 C-2000

**Field of Testing: 103 - Toxic Chemical Elements of Drinking Water**

103.130	001	Aluminum	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8

As of 8/9/2018, this list supersedes all previous lists for this certificate number.  
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103.140 004	Barium	EPA 200.8
103.140 005	Beryllium	EPA 200.8
103.140 006	Cadmium	EPA 200.8
103.140 007	Chromium	EPA 200.8
103.140 008	Copper	EPA 200.8
103.140 009	Lead	EPA 200.8
103.140 010	Manganese	EPA 200.8
103.140 012	Nickel	EPA 200.8
103.140 013	Selenium	EPA 200.8
103.140 014	Silver	EPA 200.8
103.140 015	Thallium	EPA 200.8
103.140 016	Zinc	EPA 200.8
103.140 018	Vanadium	EPA 200.8
103.160 001	Mercury	EPA 245.1

**Field of Testing: 106 - Radiochemistry of Drinking Water**

106.092 001	Uranium	EPA 200.8
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**Field of Testing: 107 - Microbiology of Wastewater**

107.010 001	Heterotrophic Bacteria	SM9215 B
107.020 002	Total Coliform (Enumeration)	SM9221 B-2006
107.030 002	Total Coliform with Chlorine Present	SM9221 B,C-2006
107.040 002	Fecal Coliform (Enumeration)	SM9221 C,E-2006
107.050 002	Fecal Coliform with Chlorine Present	SM9221 C,E-2006
107.060 002	Total Coliform (Enumeration)	SM9222 B-1997
107.070 002	Total Coliform with Chlorine Present	SM9222B + B.5c-1997
107.080 002	Fecal Coliform (Enumeration)	SM9222 D-1997
107.090 002	Fecal Coliform with Chlorine Present	SM9222 D-1997
107.100 002	Fecal Streptococci	SM9230 B-2007
107.242 001	Enterococci	Enterolert
107.245 001	E. coli (Enumeration)	SM9223 (Colliert 18)
107.245 002	E. coli (Enumeration)	SM9223 B (Colliert)
107.247 001	E. coli (Enumeration)	SM9221 B,F-2006

**Field of Testing: 108 - Inorganic Chemistry of Wastewater**

108.112 001	Boron	EPA 200.7
108.112 002	Calcium	EPA 200.7
108.112 003	Hardness (calculation)	EPA 200.7
108.112 004	Magnesium	EPA 200.7
108.112 005	Potassium	EPA 200.7
108.112 006	Silica, Dissolved	EPA 200.7
108.112 007	Sodium	EPA 200.7
108.120 001	Bromide	EPA 300.0
108.120 002	Chloride	EPA 300.0
108.120 003	Fluoride	EPA 300.0
108.120 008	Sulfate	EPA 300.0
108.120 012	Nitrate (as N)	EPA 300.0
108.120 013	Nitrate-Nitrite (as N)	EPA 300.0
108.120 014	Nitrite (as N)	EPA 300.0

108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus, Total	EPA 365.3
108.381	002	Oil & Grease Total	EPA 1664 Rev. B
108.385	001	Color	SM2120B-2001
108.390	001	Turbidity	SM2130B-2001
108.400	001	Acidity	SM2310B-1997
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2010
108.470	001	Cyanide, Total	SM4500-CN B or C-1999
108.472	001	Cyanide, Total	SM4500-CN E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.502	002	Ammonia (as N)	SM4500-NH3 B,E-1997
108.503	002	Kjeldahl Nitrogen, Total (as N)	SM4500-NH3 B,D-1997
108.511	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg B- 1997
108.512	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg C-1997
108.532	001	Oxygen, dissolved	SM4500-O C-2001
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.585	001	Sulfide (as S)	SM4500-S F-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.605	001	Surfactants	SM5540 C-2000
108.660	001	Chemical Oxygen Demand	HACH8000

**Field of Testing: 109 - Toxic Chemical Elements of Wastewater**

109.010	001	Aluminum	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8

109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM3500-Cr B-2009

**Field of Testing:** 114 - Inorganic Chemistry of Hazardous Waste

114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.141	001	Mercury	EPA 7471A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C

**Field of Testing:** 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TC EPA 1311 (TCLP)	
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

**Field of Testing:** 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.022	001	Ignitability	EPA 1030
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C

**Field of Testing:** 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221 B,C-2006
126.020	001	Total Coliform (Enumeration)	SM9222 B-1997
126.030	001	Fecal Coliform (Enumeration)	SM9221 B,E-2006
126.040	001	Fecal Coliform (Enumeration)	SM9222 D-1997
126.050	001	Total Coliform (Enumeration)	SM9223 B (Collilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223 B (Collilert/Quanti-Tray)

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126.080 001 Enterococci

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