



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: **7/31/2020**

Effective Date: **8/1/2019**

A handwritten signature in cursive script, reading "Christine Sotelo".

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: 7758572400

Certificate No. 2990
Expiration Date 7/31/2020

Primary Accreditation
Body

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B	NV
101.050	001	Total Coliform P/A	SM 9223 B Collert	NV
101.050	002	E. coli P/A	SM 9223 B Collert	NV
101.050	003	Total Coliform (Enumeration)	SM 9223 B Collert	NV
101.050	004	E. coli (Enumeration)	SM 9223 B Collert	NV
101.050	005	Total Coliform P/A	SM 9223 B Collert 18	NV
101.050	006	E. coli P/A	SM 9223 B Collert 18	NV
101.050	007	Total Coliform (Enumeration)	SM 9223 B Collert 18	NV
101.050	008	E. coli (Enumeration)	SM 9223 B Collert 18	NV

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.026	001	Calcium	EPA 200.7	NV
102.026	002	Magnesium	EPA 200.7	NV
102.026	003	Potassium	EPA 200.7	NV
102.026	004	Silica	EPA 200.7	NV
102.026	005	Sodium	EPA 200.7	NV
102.026	006	Hardness (Calculation)	EPA 200.7	NV
102.030	001	Bromide	EPA 300.0	NV
102.030	003	Chloride	EPA 300.0	NV
102.030	005	Fluoride	EPA 300.0	NV
102.030	006	Nitrate (as N)	EPA 300.0	NV
102.030	007	Nitrite (as N)	EPA 300.0	NV
102.030	009	Sulfate (as SO4)	EPA 300.0	NV
102.095	001	Turbidity	SM 2130 B-2001	NV
102.100	001	Alkalinity	SM 2320 B-1997	NV
102.120	001	Hardness (Calculation)	SM 2340 B-1997	NV
102.130	001	Specific Conductance	SM 2510 B-1997	NV
102.140	001	Residue, Filterable TDS	SM 2540 C-1997	NV
102.175	001	Chlorine, Free	SM 4500-Cl G-2000	NV
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000	NV
102.190	001	Cyanide, Total	SM 4500-CN E-1999	NV
102.192	001	Cyanide, Amenable	SM 4500-CN G-1999	NV
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000	NV
102.270	001	Surfactants	SM 5540 C-2000	NV

As of 10/2/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water				
103.130	001	Aluminum	EPA 200.7	NV
103.130	009	Iron	EPA 200.7	NV
103.130	018	Boron	EPA 200.7	NV
103.140	002	Antimony	EPA 200.8	NV
103.140	003	Arsenic	EPA 200.8	NV
103.140	004	Barium	EPA 200.8	NV
103.140	005	Beryllium	EPA 200.8	NV
103.140	006	Cadmium	EPA 200.8	NV
103.140	007	Chromium	EPA 200.8	NV
103.140	008	Copper	EPA 200.8	NV
103.140	009	Lead	EPA 200.8	NV
103.140	010	Manganese	EPA 200.8	NV
103.140	012	Nickel	EPA 200.8	NV
103.140	013	Selenium	EPA 200.8	NV
103.140	014	Silver	EPA 200.8	NV
103.140	015	Thallium	EPA 200.8	NV
103.140	016	Zinc	EPA 200.8	NV
103.140	018	Vanadium	EPA 200.8	NV
103.160	001	Mercury	EPA 245.1	NV
Field of Testing: 106 - Radionuclides in Drinking Water				
106.092	001	Uranium	EPA 200.8	NV
Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge				
107.010	001	Heterotrophic Bacteria	SM 9215 B	NV
107.020	002	Total Coliform	SM 9221 B-2006	NV
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006	NV
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	NV
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006	NV
107.060	002	Total Coliform (Enumeration)	SM 9222 B-1997	NV
107.070	002	Total Coliform with Chlorine Present	SM 9222B + B.5c-1997	NV
107.080	002	Fecal Coliform (Enumeration)	SM 9222 D-1997	NV
107.090	002	Fecal Coliform with Chlorine Present	SM 9222 D-1997	NV
107.100	002	Fecal Streptococci	SM 9230 B-2007	NV
107.242	001	Enterococci	Enterolert	NV
107.245	001	E. coli (Enumeration)	SM 9223 B Collert 18	NV
107.245	002	E. coli (Enumeration)	SM 9223 B Collert	NV
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006	NV
Field of Testing: 108 - Inorganic Constituents in Non-Potable Water				
108.112	001	Boron	EPA 200.7	NV
108.112	002	Calcium	EPA 200.7	NV
108.112	003	Hardness (Calculation)	EPA 200.7	NV

108.112	004	Magnesium	EPA 200.7	NV
108.112	005	Potassium	EPA 200.7	NV
108.112	006	Silica, Dissolved	EPA 200.7	NV
108.112	007	Sodium	EPA 200.7	NV
108.120	001	Bromide	EPA 300.0	NV
108.120	002	Chloride	EPA 300.0	NV
108.120	003	Fluoride	EPA 300.0	NV
108.120	008	Sulfate (as SO4)	EPA 300.0	NV
108.120	012	Nitrate (as N)	EPA 300.0	NV
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0	NV
108.120	014	Nitrite (as N)	EPA 300.0	NV
108.264	001	Phosphate, Ortho (as P)	EPA 365.3	NV
108.265	001	Phosphorus, Total	EPA 365.3	NV
108.381	002	Oil & Grease Total	EPA 1664 B	NV
108.385	001	Color	SM 2120 B-2001	NV
108.390	001	Turbidity	SM 2130 B-2001	NV
108.400	001	Acidity	SM 2310 B-1997	NV
108.410	001	Alkalinity	SM 2320 B-1997	NV
108.420	001	Hardness (Calculation)	SM 2340 B-1997	NV
108.430	001	Specific Conductance	SM 2510 B-1997	NV
108.439	001	Residue, Volatile	SM 2540 E-1997	NV
108.440	001	Residue, Total	SM 2540 B-1997	NV
108.441	001	Residue, Filterable TDS	SM 2540 C-1997	NV
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997	NV
108.443	001	Residue, Settleable	SM 2540 F-1997	NV
108.444	001	Temperature	SM 2550 B-2000	NV
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000	NV
108.465	002	Chlorine, Free	SM 4500-Cl G-2000	NV
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999	NV
108.472	001	Cyanide, Total	SM 4500-CN E-1999	NV
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999	NV
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000	NV
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997	NV
108.502	002	Ammonia (as N)	SM 4500-NH3 B,D-1997	NV
108.503	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 B,D-1997	NV
108.511	001	Kjeldahl Nitrogen, Total (as N)	SM 4500-Norg B-1997	NV
108.532	001	Oxygen, Dissolved	SM 4500-O C-2001	NV
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001	NV
108.585	001	Sulfide (as S)	SM 4500-S F-2000	NV
108.592	001	Biochemical Oxygen Demand	SM 5210 B-2001	NV
108.592	002	Carbonaceous BOD	SM 5210 B-2001	NV
108.605	001	Surfactants	SM 5540 C-2000	NV

108.660	001	Chemical Oxygen Demand	Hach 8000	NV
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Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	001	Aluminum	EPA 200.7	NV
109.010	006	Boron	EPA 200.7	NV
109.010	012	Iron	EPA 200.7	NV
109.010	024	Tin	EPA 200.7	NV
109.010	025	Titanium	EPA 200.7	NV
109.020	002	Antimony	EPA 200.8	NV
109.020	003	Arsenic	EPA 200.8	NV
109.020	004	Barium	EPA 200.8	NV
109.020	005	Beryllium	EPA 200.8	NV
109.020	006	Cadmium	EPA 200.8	NV
109.020	007	Chromium	EPA 200.8	NV
109.020	008	Cobalt	EPA 200.8	NV
109.020	009	Copper	EPA 200.8	NV
109.020	010	Lead	EPA 200.8	NV
109.020	011	Manganese	EPA 200.8	NV
109.020	012	Molybdenum	EPA 200.8	NV
109.020	013	Nickel	EPA 200.8	NV
109.020	014	Selenium	EPA 200.8	NV
109.020	015	Silver	EPA 200.8	NV
109.020	016	Thallium	EPA 200.8	NV
109.020	017	Vanadium	EPA 200.8	NV
109.020	018	Zinc	EPA 200.8	NV
109.190	001	Mercury	EPA 245.1	NV
109.445	002	Chromium (VI)	SM 3500-Cr B-2009	NV

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.020	001	Antimony	EPA 6020	NV
114.020	002	Arsenic	EPA 6020	NV
114.020	003	Barium	EPA 6020	NV
114.020	004	Beryllium	EPA 6020	NV
114.020	005	Cadmium	EPA 6020	NV
114.020	006	Chromium	EPA 6020	NV
114.020	007	Cobalt	EPA 6020	NV
114.020	008	Copper	EPA 6020	NV
114.020	009	Lead	EPA 6020	NV
114.020	010	Molybdenum	EPA 6020	NV
114.020	011	Nickel	EPA 6020	NV
114.020	012	Selenium	EPA 6020	NV
114.020	013	Silver	EPA 6020	NV
114.020	014	Thallium	EPA 6020	NV
114.020	015	Vanadium	EPA 6020	NV

114.020	016	Zinc	EPA 6020		NV
114.103	001	Chromium (VI)	EPA 7196 A		NV
114.140	001	Mercury	EPA 7470 A	Aqueous Only	NV
114.141	001	Mercury	EPA 7471 A		NV
114.222	001	Cyanide, Total	EPA 9014		NV
114.241	001	Corrosivity - pH Determination	EPA 9045 C		NV

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)		NV
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)		NV

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010		NV
120.022	001	Ignitability	EPA 1030		NV
120.080	001	Corrosivity - pH Determination	EPA 9045 C		NV

Field of Testing: 126 - Microbiological Methods for Ambient Water

126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006		NV
126.020	001	Total Coliform (Enumeration)	SM 9222 B-1997		NV
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006		NV
126.040	001	Fecal Coliform (Enumeration)	SM 9222 D-1997		NV
126.050	002	E. coli (Enumeration)	SM 9223 B Collert		NV
126.060	001	Enterococci	SM 9230 B-2007		NV
126.080	001	Enterococci	Enterolert		NV