



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

July 31, 2024
Workorder **24061259**

Charles Tucker
Wheeler Crest Community Services District
52 Pinon Drive
Bishop, CA 93514

Project: Well #5

Dear Charles Tucker:

It is the policy of SGS Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

24061259

TURBIDITY-R, ANIONS-SDWA, SUB-G ALPHA 900-R, SUB-PERCHLORATE 314-R, SUB-VOC 524-R, SUB-DBCP&EDB-504-R,

SUB-PERCHLORATE 314-R, SUB-1,2,3 TCP SR524M-R, SUB-DBCP&EDB-504-R has been Sub Contracted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Carly Wood'.

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Analytical Report

Workorder#: 24061259

Date Reported: 7/31/2024

Client: Wheeler Crest Community Services District

Sampled By Charles Tucker

Project Name: Well #5

PO #:

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24061259-01	Well #5	06/27/2024 8:30	6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Alkalinity, Bicarbonate (As CaCO ₃)	SM 2320 B	110	mg/L		SR	06/29/2024 11:30	
Alkalinity, Carbonate (As CaCO ₃)	SM 2320 B	< 2.0	mg/L		SR	06/29/2024 11:30	
Alkalinity, Hydroxide (As CaCO ₃)	SM 2320 B	< 2.0	mg/L		SR	06/29/2024 11:30	
Alkalinity, Total (As CaCO ₃)	SM 2320 B	110	mg/L		SR	06/29/2024 11:30	
Aluminum	EPA 200.7	<0.05	mg/L	0.2	AL	07/26/2024 8:08	
Antimony	EPA 200.8	<0.001	mg/L	0.006	AL	07/09/2024 16:05	
Arsenic	EPA 200.8	<0.001	mg/L	0.01	AL	07/09/2024 16:05	
Barium	EPA 200.8	<0.005	mg/L	2	AL	07/09/2024 16:05	
Beryllium	EPA 200.8	<0.001	mg/L	0.004	AL	07/09/2024 16:05	
Cadmium	EPA 200.8	<0.001	mg/L	0.005	AL	07/09/2024 16:05	
Calcium	EPA 200.7	15	mg/L		AL	07/26/2024 8:08	
Chloride	EPA 300.0	2.5	mg/L	250	SR	06/28/2024 19:23	S
Chromium	EPA 200.8	<0.001	mg/L	0.1	AL	07/09/2024 16:05	
Color	SM 2120B	<5, pH 7.01	Color Units	15	AE	06/27/2024 14:32	
Copper	EPA 200.8	0.17	mg/L	1	AL	07/09/2024 16:05	
Cyanide, Free	SM 4500 CN-E	< 0.05	mg/L	0.15	DL	07/01/2024 13:27	
Digestion Turbidity Check	EPA 200.8	<1	NTU		HG	07/01/2024 16:09	
Fluoride	EPA 300.0	0.6	mg/L	2	SR	06/28/2024 19:23	
Hardness as CaCO ₃	EPA 200.7	43	mg/L		AL	07/26/2024 8:08	
Iron	EPA 200.7	0.93	mg/L	0.3	AL	07/26/2024 8:08	*
Langelier Index	SM 2330 B	-0.65			CW	07/29/2024 10:40	
Lead	EPA 200.8	0.015	mg/L	0.015	AL	07/09/2024 16:05	*
Magnesium	EPA 200.7	1.4	mg/L		AL	07/26/2024 8:08	
Manganese	EPA 200.8	0.009	mg/L	0.05	AL	07/09/2024 16:05	
MBAS (surfactants) LAS MW 340	SM 5540 C	< 0.050	mg/L	0.5	HG	06/28/2024 14:31	S
Mercury	EPA 245.1	< 0.0001	mg/L	0.002	CTR	07/05/2024 12:13	
Nickel	EPA 200.8	<0.001	mg/L		AL	07/09/2024 16:05	
Nitrite as N	EPA 300.0	<0.05	mg/L	1	SR	06/28/2024 19:23	
Odor	SM 2150 B	<1	T.O.N.	3	AE	06/27/2024 14:09	
pH	SM 4500 H+B	7.68	pH Units	8.5	SR	06/29/2024 11:30	H
pH Temperature	SM 4500 H+B	26.0	°C		SR	06/29/2024 11:30	H
Potassium	EPA 200.7	4.5	mg/L		AL	07/26/2024 8:08	
Selenium	EPA 200.8	<0.005	mg/L	0.05	AL	07/09/2024 16:05	
Silver	EPA 200.8	<0.001	mg/L	0.1	AL	07/09/2024 16:05	
Sodium	EPA 200.7	24	mg/L		AL	07/26/2024 8:08	
Specific Conductivity	SM 2510B	290	µmhos/cm		SR	06/29/2024 11:30	
Sulfate	EPA 300.0	19	mg/L	250	SR	06/28/2024 19:23	
Thallium	EPA 200.8	<0.0005	mg/L	0.002	AL	07/09/2024 16:05	
Total Dissolved Solids	SM 2540 C	230	mg/L	500	AE	07/03/2024 0:00	

Revision v1



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Analytical Report

Workorder#: 24061259

Date Reported: 7/31/2024

Client: Wheeler Crest Community Services District

Sampled By Charles Tucker

Project Name: Well #5

PO #:

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24061259-01	Well #5	06/27/2024 8:30	6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Zinc	EPA 200.8	0.37	mg/L	5	AL	07/19/2024 19:03	

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24061259-02	Well #5	06/27/2024 8:30	6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
1,2,3 TCP SR 524 M	EPA SR 524 M	See Report			JN	07/18/2024 8:47	
DBCP & EDB	EPA 504	See Report			JN	07/18/2024 8:47	
Perchlorate	EPA 314	See Report			JN	07/18/2024 8:47	

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24061259-03	Well #5	06/27/2024 8:30	6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
ALPHA, Gross	EPA 900	See Report			CW	07/31/2024 10:28	

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24061259-04	Well #5	06/27/2024 8:30	6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Turbidity	SM 2130 B	See Report	NTU		JN		



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Analytical Report

Workorder#: 24061259

Date Reported: 7/31/2024

Client: Wheeler Crest Community Services District

Sampled By Charles Tucker

Project Name: Well #5

PO #:

Laboratory Accreditation Number NV930/CA3029

Laboratory ID
24061259-05

Client Sample ID
Well #5

Date/Time Sampled
06/27/2024 8:30

Date Received
6/27/2024

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Nitrate as N	EPA 300.0	2.33	mg/L	10	DT	07/11/2024 1:30	S



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Analysis: Anions 300.0
Method: EPA 300.0

Batch ID: R91827

Method Blank

RunID: 91827 SeqNo 2489425 Units: mg/L
Analysis Date: 6/10/2024 11:56:34 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.50	0.50	
Fluoride	< 0.10	0.10	
Nitrite as N	< 0.050	0.050	
Sulfate	< 0.20	0.20	

Laboratory Control Sample (LCS)

RunID: 91827 SeqNo 2489427 Units: mg/L
Analysis Date: 6/11/2024 1:00:52 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	10.00	9.3	93.3								
Fluoride	10.00	9.8	97.6								
Nitrite as N	10.00	9.3	92.9								
Sulfate	10.00	9.3	92.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060146-01A

RunID: 91827 SeqNo 2489387 Units: mg/L
Analysis Date: 6/24/2024 1:34:15 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	88.90	100.0	180	89.5								
Fluoride	0.6000	100.0	100	100								
Nitrite as N	0	100.0	100	99.9								
Sulfate	49.57	100.0	140	92.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060475-04A

RunID: 91827 SeqNo 2489400 Units: mg/L
Analysis Date: 6/24/2024 8:32:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	0	100.0	91	90.9								
Fluoride	0.5000	100.0	95	94.6								
Nitrite as N	0	100.0	94	93.8								
Sulfate	144.0	100.0	220	76.0								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060458-01A

RunID: 91827 SeqNo 2489410 Units: mg/L

Analysis Date: 6/25/2024 1:53:18 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	101.6	100.0	190	92.6								
Fluoride	0	100.0	97	96.7								
Nitrite as N	0	100.0	92	92.0								
Sulfate	2289	100.0	2400	81.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060539-12A

RunID: 91827 SeqNo 2490401 Units: mg/L

Analysis Date: 6/25/2024 10:27:20 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	510.6	100.0	590	83.7								
Fluoride	0	100.0	94	94.2								
Nitrite as N	0	100.0	93	93.4								
Sulfate	2378	100.0	2400	49.3								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060257-01A

RunID: 91827 SeqNo 2490409 Units: mg/L

Analysis Date: 6/25/2024 2:44:22 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	14.93	100.0	100	85.6								
Fluoride	0	100.0	95	94.7								
Nitrite as N	0	100.0	92	92.0								
Sulfate	52.11	100.0	140	91.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060339-10A

RunID: 91827 SeqNo 2490424 Units: mg/L

Analysis Date: 6/25/2024 10:46:17 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	34.71	100.0	120	87.2								
Fluoride	0	100.0	100	99.5								
Nitrite as N	0	100.0	89	89.3								
Sulfate	2699	100.0	2800	134								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060339-01A

RunID: 91827 SeqNo 2490436 Units: mg/L

Analysis Date: 6/26/2024 5:11:55 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	42.48	100.0	130	90.5								
Fluoride	2.650	100.0	98	95.4								
Nitrite as N	0	100.0	97	96.7								
Sulfate	95.17	100.0	190	97.5								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060339-10A

RunID: 91827 SeqNo 2491250 Units: mg/L

Analysis Date: 6/26/2024 10:01:06 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	36.67	100.0	130	89.1								
Fluoride	0	100.0	98	97.9								
Nitrite as N	0	100.0	96	96.4								
Sulfate	96.18	100.0	190	95.4								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060223-03A

RunID: 91827 SeqNo 2491264 Units: mg/L

Analysis Date: 6/26/2024 3:54:33 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	52.21	100.0	140	90.3								
Fluoride	0	100.0	98	98.0								
Nitrite as N	0	100.0	96	96.5								
Sulfate	97.96	100.0	200	97.1								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060223-01A

RunID: 91827 SeqNo 2491278 Units: mg/L

Analysis Date: 6/26/2024 11:24:22 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	30.77	100.0	110	83.2								
Fluoride	1.190	100.0	95	93.4								
Nitrite as N	0	100.0	89	89.1								
Sulfate	2222	100.0	2300	72.8								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060808-01A

RunID: 91827 SeqNo 2491297 Units: mg/L

Analysis Date: 6/27/2024 8:30:25 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	93.45	100.0	180	88.4								
Fluoride	0	100.0	95	95.1								
Nitrite as N	0	100.0	92	92.0								
Sulfate	25.25	100.0	120	90.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060689-01A

RunID: 91827 SeqNo 2493307 Units: mg/L

Analysis Date: 6/27/2024 1:56:04 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	24.17	100.0	110	88.2								
Fluoride	0	100.0	97	96.7								
Nitrite as N	0	100.0	95	95.3								
Sulfate	79.15	100.0	170	94.5								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060179-03A

RunID: 91827 SeqNo 2493319 Units: mg/L

Analysis Date: 6/27/2024 8:21:36 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	14.89	100.0	100	85.0								
Fluoride	0	100.0	96	96.0								
Nitrite as N	0	100.0	91	90.7								
Sulfate	2111	100.0	2200	46.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060832-04A

RunID: 91827 SeqNo 2493334 Units: mg/L

Analysis Date: 6/28/2024 4:23:32 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	0	100.0	91	91.2								
Fluoride	0	100.0	96	96.3								
Nitrite as N	0	100.0	94	94.4								
Sulfate	131.3	100.0	230	100								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060862-04A

RunID: 91827 SeqNo 2494889 Units: mg/L

Analysis Date: 6/28/2024 10:48:57 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	27.85	100.0	110	82.2								
Fluoride	0	100.0	92	92.0								
Nitrite as N	0	100.0	87	87.1								
Sulfate	2144	100.0	2300	142								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060864-01A

RunID: 91827 SeqNo 2494897 Units: mg/L

Analysis Date: 6/28/2024 3:06:04 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	0	100.0	91	91.4								
Fluoride	0	100.0	120	120								
Nitrite as N	0	100.0	75	74.7								
Sulfate	2832	100.0	3100	236								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060179-01A

RunID: 91827 SeqNo 2497759 Units: mg/L

Analysis Date: 6/28/2024 11:40:04 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	38.29	100.0	130	88.2								
Fluoride	0	100.0	96	96.4								
Nitrite as N	0	100.0	95	95.4								
Sulfate	37.74	100.0	130	93.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060537-01A

RunID: 91827 SeqNo 2497766 Units: mg/L

Analysis Date: 6/29/2024 3:25:00 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	52.99	100.0	140	89.8								
Fluoride	0	100.0	97	96.7								
Nitrite as N	0	100.0	95	95.5								
Sulfate	151.6	100.0	250	97.5								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060985-01A

RunID: 91827 SeqNo 2497783 Units: mg/L

Analysis Date: 6/29/2024 12:31:18 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	44.49	100.0	130	88.3								
Fluoride	0	100.0	97	96.6								
Nitrite as N	0	100.0	95	95.4								
Sulfate	64.61	100.0	160	93.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060998-01A

RunID: 91827 SeqNo 2497792 Units: mg/L

Analysis Date: 6/29/2024 5:20:30 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	24.19	100.0	130	108								
Fluoride	5.260	100.0	130	120								
Nitrite as N	0	100.0	35	35.2								
Sulfate	4714	100.0	4700	-29.6								

Analysis: MBAS (surfactants)
Method: SM 5540 C

Batch ID: R92003

Method Blank

RunID: 92003 SeqNo 2494802 Units: mg/L

Analysis Date: 6/28/2024 2:31:00 PM Analyst: CTR

Analyte	Result	Rep Limit	Rep Qual
MBAS (surfactants) LAS MW 340	< 0.05	0.05	

Laboratory Control Sample (LCS)

RunID: 92003 SeqNo 2494801 Units: mg/L

Analysis Date: 6/28/2024 2:31:00 PM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
MBAS (surfactants) LAS MW 340	0.7500	0.680	90.7								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061259-01A

RunID: 92003 SeqNo 2494808 Units: mg/L

Analysis Date: 6/28/2024 2:31:00 PM Analyst: CTR



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259

7/31/2024

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
MBAS (surfactants) LAS MW 340	0	0.5000	0.78	156	0.5000	0.780	156	0	20	80	120	S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061259-01A

RunID: 92003 SeqNo 2494809 Units: mg/L

Analysis Date: 6/28/2024 2:31:00 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
MBAS (surfactants) LAS MW 340	0	0.5000	0.780	156								

Analysis: Cyanide, Free
Method: SM 4500 CN-E

Batch ID: R92034

Method Blank

RunID: 92034 SeqNo 2495301 Units: mg/L

Analysis Date: 7/1/2024 1:27:00 PM Analyst: DL

Analyte	Result	Rep Limit	Rep Qual
Cyanide, Free	< 0.05	0.05	

Laboratory Control Sample (LCS)

RunID: 92034 SeqNo 2495302 Units: mg/L

Analysis Date: 7/1/2024 1:27:00 PM Analyst: DL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0.4000	0.422	106								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061265-01C

RunID: 92034 SeqNo 2495309 Units: mg/L

Analysis Date: 7/1/2024 1:27:00 PM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0	0.2000	0.191	95.5	0.2000	0.195	97.5	2.07	20	70	130	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061265-01C

RunID: 92034 SeqNo 2495310 Units: mg/L

Analysis Date: 7/1/2024 1:27:00 PM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0	0.2000	0.195	97.5								

Analysis: Alkalinity
Method: SM 2320 B

Batch ID: R92079

Laboratory Control Sample (LCS)

RunID: 92079 SeqNo 2498184 Units: mg/L

Analysis Date: 6/29/2024 11:30:28 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Alkalinity, Total (As CaCO ₃)	100.0	100	101	100.0	100	100	0.995	20	90	110	

Laboratory Control Sample (LCS)

RunID: 92079 SeqNo 2498207 Units: mg/L

Analysis Date: 6/29/2024 11:30:28 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Alkalinity, Total (As CaCO ₃)	100.0	100	100	100.0	100	100	0.995	20	90	110	

Laboratory Control Sample (LCS)

RunID: 92079 SeqNo 2498233 Units: mg/L

Analysis Date: 6/29/2024 11:30:28 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Alkalinity, Total (As CaCO ₃)	100.0	110	109	100.0	100	100	0.995	20	90	110	

Analysis: Conductivity
Method: SM 2510B

Batch ID: R92079

Laboratory Control Sample (LCS)

RunID: 92079 SeqNo 2498129 Units: µmhos/cm

Analysis Date: 6/29/2024 11:30:28 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Specific Conductivity	718.0	740	104								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Analysis: pH
Method: SM 4500 H+B

Batch ID: R92079

Laboratory Control Sample (LCS)

RunID: 92079 SeqNo 2498055 Units: pH Units

Analysis Date: 6/29/2024 11:30:28 AM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
pH	7.020	6.93	98.7								
pH Temperature		24.0	0								

Analysis: Total Dissolved Solids
Method: SM 2540 C

Batch ID: R92120

Method Blank

RunID: 92120 SeqNo 2506760 Units: mg/L

Analysis Date: 7/3/2024 Analyst: AE

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92120 SeqNo 2506761 Units: mg/L
Analysis Date: 7/3/2024 Analyst: AE

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92120 SeqNo 2506762 Units: mg/L
Analysis Date: 7/3/2024 Analyst: AE

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	

Laboratory Control Sample (LCS)

RunID: 92120 SeqNo 2506763 Units: mg/L
Analysis Date: 7/3/2024 Analyst: AE

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	510	102								

Laboratory Control Sample (LCS)

RunID: 92120 SeqNo 2506764 Units: mg/L
Analysis Date: 7/3/2024 Analyst: AE

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	510	103								

Laboratory Control Sample (LCS)

RunID: 92120 SeqNo 2506765 Units: mg/L
Analysis Date: 7/3/2024 Analyst: AE

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	520	104								

Analysis: Mercury
Method: EPA 245.1

Batch ID: R92173

Method Blank

RunID: 92173 SeqNo 2503802 Units: mg/L
Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	Result	Rep Limit	Rep Qual
Mercury	< 0.0001	0.0001	

Laboratory Control Sample (LCS)

RunID: 92173 SeqNo 2503801 Units: mg/L
Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Mercury	0.006000	0.00587	97.8								



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061130-04B

RunID: 92173 SeqNo 2503805 Units: mg/L

Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Mercury	0009500	005000	0.00505	99.1	005000	0.00489	95.9	3.22	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061130-04B

RunID: 92173 SeqNo 2503806 Units: mg/L

Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Mercury	0009500	005000	0.00489	95.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061276-09C

RunID: 92173 SeqNo 2503830 Units: mg/L

Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Mercury	0.005000	0.00512	102	005000	0.00513	103	0.195	20	70	130		

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061276-09C

RunID: 92173 SeqNo 2503831 Units: mg/L

Analysis Date: 7/5/2024 12:13:32 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Mercury	0.005000	0.00513	103									

Analysis: Metals 200.8

Method: EPA 200.8

Batch ID: R92266

Method Blank

RunID: 92266 SeqNo 2505606 Units: mg/L

Analysis Date: 7/9/2024 2:49:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Barium	< 0.0050	0.0050	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Beryllium	< 0.0010	0.0010	
Cadmium	< 0.0010	0.0010	
Chromium	< 0.0010	0.0010	
Copper	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	
Manganese	< 0.0010	0.0010	
Nickel	< 0.0010	0.0010	
Selenium	< 0.0050	0.0050	
Silver	< 0.0010	0.0010	
Thallium	< 0.00050	0.00050	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92266 SeqNo 2505609 Units: mg/L
Analysis Date: 7/9/2024 2:58:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Barium	< 0.0050	0.0050	
Beryllium	< 0.0010	0.0010	
Cadmium	< 0.0010	0.0010	
Chromium	< 0.0010	0.0010	
Copper	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	
Manganese	< 0.0010	0.0010	
Nickel	< 0.0010	0.0010	
Selenium	< 0.0050	0.0050	
Silver	< 0.0010	0.0010	
Thallium	< 0.00050	0.00050	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92266 SeqNo 2505612 Units: mg/L
Analysis Date: 7/9/2024 3:06:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Barium	< 0.0050	0.0050	
Beryllium	< 0.0010	0.0010	
Cadmium	< 0.0010	0.0010	
Chromium	< 0.0010	0.0010	
Copper	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	
Manganese	< 0.0010	0.0010	
Nickel	< 0.0010	0.0010	
Selenium	< 0.0050	0.0050	
Silver	< 0.0010	0.0010	
Thallium	< 0.00050	0.00050	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92266 SeqNo 2505613 Units: mg/L
Analysis Date: 7/9/2024 3:08:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 0.0010	0.0010	
Arsenic	< 0.0010	0.0010	
Barium	< 0.0050	0.0050	
Beryllium	< 0.0010	0.0010	
Cadmium	< 0.0010	0.0010	
Chromium	< 0.0010	0.0010	
Copper	< 0.0010	0.0010	
Lead	< 0.0010	0.0010	
Manganese	< 0.0010	0.0010	
Nickel	< 0.0010	0.0010	
Selenium	< 0.0050	0.0050	
Silver	< 0.0010	0.0010	
Thallium	< 0.00050	0.00050	

Laboratory Control Sample (LCS)

RunID: 92266 SeqNo 2505608 Units: mg/L
Analysis Date: 7/9/2024 2:56:00 PM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.02500	0.025	98.2								
Arsenic	0.02500	0.027	109								
Barium	0.02500	0.025	99.0								
Beryllium	0.02500	0.025	101								
Cadmium	0.02500	0.025	98.9								
Chromium	0.02500	0.027	107								
Copper	0.02500	0.026	104								
Lead	0.02500	0.025	98.4								
Manganese	0.02500	0.027	106								
Nickel	0.02500	0.027	107								
Selenium	0.1250	0.13	101								
Silver	0.02500	0.025	99.0								
Thallium	0.02500	0.024	97.5								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060635-01A

RunID: 92266 SeqNo 2505618 Units: mg/L
Analysis Date: 7/9/2024 3:20:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.05000	0.038	76.7	0.05000	0.038	76.7	0.0600	20	70	130		
Arsenic	0.003280	0.05000	0.045	83.4	0.05000	0.044	82.2	1.25	20	70	130	
Barium	0.06281	0.05000	0.10	76.1	0.05000	0.10	76.6	0.282	20	70	130	
Beryllium	0.05000	0.050	100	0.05000	0.050	99.9	0.443	20	70	130		

Revision v1



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259

7/31/2024

Cadmium	0.05000	0.037	74.5	0.05000	0.037	74.4	0.102	20	70	130	
Chromium	0.05000	0.040	80.3	0.05000	0.040	80.3	0.0498	20	70	130	
Copper	0.1605	0.05000	0.20	77.8	0.05000	0.20	78.9	0.282	20	70	130
Lead	0.001118	0.05000	0.039	74.9	0.05000	0.039	75.6	0.888	20	70	130
Manganese	0.002890	0.05000	0.040	78.5	0.05000	0.040	78.6	0.121	20	70	130
Nickel	0.02909	0.05000	0.068	77.5	0.05000	0.068	78.1	0.460	20	70	130
Selenium	0.005855	0.2500	0.20	76.0	0.2500	0.19	75.1	1.04	20	70	130
Silver	0.05000	0.035	69.4	0.05000	0.035	70.6	1.79	20	70	130	
Thallium	0.05000	0.037	74.1	0.05000	0.038	75.1	1.28	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060635-01A

RunID: 92266 SeqNo 2505619 Units: mg/L

Analysis Date: 7/9/2024 3:22:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.05000	0.038	76.7									
Arsenic	0.003280	0.05000	0.044	82.2								
Barium	0.06281	0.05000	0.10	76.6								
Beryllium	0.05000	0.050	99.9									
Cadmium	0.05000	0.037	74.4									
Chromium	0.05000	0.040	80.3									
Copper	0.1605	0.05000	0.20	78.9								
Lead	0.001118	0.05000	0.039	75.6								
Manganese	0.002890	0.05000	0.040	78.6								
Nickel	0.02909	0.05000	0.068	78.1								
Selenium	0.005855	0.2500	0.19	75.1								
Silver	0.05000	0.035	70.6									
Thallium	0.05000	0.038	75.1									

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061195-01A

RunID: 92266 SeqNo 2505630 Units: mg/L

Analysis Date: 7/9/2024 3:49:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	0.005000	0.05000	0.045	89.2	0.05000	0.044	87.6	1.76	20	70	130	
Arsenic	0.01305	0.05000	0.061	95.2	0.05000	0.060	93.8	1.13	20	70	130	
Barium	0.01693	0.05000	0.060	87.0	0.05000	0.060	85.9	0.921	20	70	130	
Beryllium	0.005000	0.05000	0.053	106	0.05000	0.053	106	0.610	20	70	130	
Cadmium	0.005000	0.05000	0.044	87.9	0.05000	0.043	86.6	1.49	20	70	130	
Chromium	0.005000	0.05000	0.046	91.5	0.05000	0.045	90.0	1.70	20	70	130	
Copper	0.005000	0.05000	0.046	91.3	0.05000	0.045	89.9	1.55	20	70	130	
Lead	0.005000	0.05000	0.044	87.1	0.05000	0.043	86.0	1.30	20	70	130	
Manganese	0.01361	0.05000	0.060	91.9	0.05000	0.058	89.5	2.05	20	70	130	
Nickel	0.005000	0.05000	0.046	91.7	0.05000	0.045	90.8	0.956	20	70	130	
Selenium	0.003479	0.2500	0.22	88.4	0.2500	0.22	86.4	2.25	20	70	130	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259

7/31/2024

Silver	00.05000	0.042	83.2	0.05000	0.041	82.0	1.38	20	70	130	
Thallium	00.05000	0.042	84.8	0.05000	0.042	84.2	0.613	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24061195-01A

RunID: 92266 SeqNo 2505631 Units: mg/L

Analysis Date: 7/9/2024 3:51:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Antimony	00.05000	0.044	87.6									
Arsenic	0.01305	0.05000	0.060	93.8								
Barium	0.01693	0.05000	0.060	85.9								
Beryllium	00.05000	0.053	106									
Cadmium	00.05000	0.043	86.6									
Chromium	00.05000	0.045	90.0									
Copper	00.05000	0.045	89.9									
Lead	00.05000	0.043	86.0									
Manganese	0.01361	0.05000	0.058	89.5								
Nickel	00.05000	0.045	90.8									
Selenium	0.003479	0.2500	0.22	86.4								
Silver	00.05000	0.041	82.0									
Thallium	00.05000	0.042	84.2									

Analysis: Anions-SDWA (Cl, F, NO₂, NO₃, S

Method: EPA 300.0

Batch ID: R92379

Method Blank

RunID: 92379 SeqNo 2510326 Units: mg/L

Analysis Date: 7/10/2024 4:20:00 PM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.100	0.100	

Laboratory Control Sample (LCS)

RunID: 92379 SeqNo 2510327 Units: mg/L

Analysis Date: 7/10/2024 4:43:00 PM Analyst: DT

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	5.000	4.95	98.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070437-01B

RunID: 92379 SeqNo 2510329 Units: mg/L

Analysis Date: 7/10/2024 5:29:00 PM Analyst: DT



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259

7/31/2024

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0	5.000	5.46	109	5.000	7.16	143	26.9	20	90	110	RS

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070437-01B

RunID: 92379 SeqNo 2510330 Units: mg/L

Analysis Date: 7/10/2024 5:52:00 PM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0	5.000	7.16	143								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070367-02B

RunID: 92379 SeqNo 2510344 Units: mg/L

Analysis Date: 7/10/2024 11:13:00 PM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0.3199	5.000	5.34	100	5.000	5.84	110	8.97	20	90	110	S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070367-02B

RunID: 92379 SeqNo 2510345 Units: mg/L

Analysis Date: 7/10/2024 11:36:00 PM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0.3199	5.000	5.84	110								

Analysis: Metals 200.8

Method: EPA 200.8

Batch ID: R92650

Method Blank

RunID: 92650 SeqNo 2520395 Units: mg/L

Analysis Date: 7/19/2024 6:00:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Zinc	< 0.010	0.010	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92650 SeqNo 2520412 Units: mg/L
Analysis Date: 7/19/2024 6:41:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Zinc	< 0.010	0.010	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92650 SeqNo 2520415 Units: mg/L
Analysis Date: 7/19/2024 6:48:00 PM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Zinc	< 0.010	0.010	

Laboratory Control Sample (LCS)

RunID: 92650 SeqNo 2520394 Units: mg/L
Analysis Date: 7/19/2024 5:57:00 PM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Zinc	0.02500	0.027	106								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060635-03A

RunID: 92650 SeqNo 2520419 Units: mg/L
Analysis Date: 7/19/2024 6:58:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Zinc	0.05946	0.1000	0.15	94.9	0.1000	0.15	91.5	2.19	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24060635-03A

RunID: 92650 SeqNo 2520420 Units: mg/L
Analysis Date: 7/19/2024 7:00:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Zinc	0.05946	0.1000	0.15	91.5								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070431-01A

RunID: 92650 SeqNo 2520443 Units: mg/L
Analysis Date: 7/19/2024 7:56:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Zinc	0.002650	0.05000	0.051	96.5	0.05000	0.050	95.7	0.771	20	70	130	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070431-01A

RunID: 92650 SeqNo 2520444 Units: mg/L

Analysis Date: 7/19/2024 7:59:00 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Zinc	0.002650	0.05000	0.050	95.7								

Analysis: Metals 200.7

Method: EPA 200.7

Batch ID: R92852

Method Blank

RunID: 92852 SeqNo 2532552 Units: mg/L

Analysis Date: 7/26/2024 7:55:33 AM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Aluminum	< 0.050	0.050	
Calcium	< 0.50	0.50	
Hardness as CaCO3	< 0	0	
Iron	< 0.050	0.050	
Magnesium	< 0.50	0.50	
Potassium	< 0.50	0.50	B
Sodium	< 0.50	0.50	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259
7/31/2024

Method Blank

RunID: 92852 SeqNo 2532555 Units: mg/L
Analysis Date: 7/26/2024 8:02:05 AM Analyst: AL

Analyte	Result	Rep Limit	Rep Qual
Aluminum	< 0.050	0.050	
Calcium	< 0.50	0.50	
Hardness as CaCO3	< 0	0	
Iron	< 0.050	0.050	
Magnesium	< 0.50	0.50	
Potassium	< 0.50	0.50	B
Sodium	< 0.50	0.50	

Laboratory Control Sample (LCS)

RunID: 92852 SeqNo 2532343 Units: mg/L
Analysis Date: 7/25/2024 10:23:42 AM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	6.000	6.0	101								
Calcium	30.00	30	98.5								
Iron	6.000	6.0	100								
Magnesium	30.00	30	101								
Potassium	30.00	30	98.5								
Sodium	30.00	30	99.7								

Laboratory Control Sample (LCS)

RunID: 92852 SeqNo 2532623 Units: mg/L
Analysis Date: 7/26/2024 12:20:01 PM Analyst: AL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	6.000	6.0	100								
Calcium	30.00	30	99.1								
Iron	6.000	6.0	101								
Magnesium	30.00	30	101								
Potassium	30.00	30	99.4								
Sodium	30.00	30	99.8								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070043-02B

RunID: 92852 SeqNo 2532632 Units: mg/L
Analysis Date: 7/26/2024 12:39:27 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.2	104	5.000	5.2	104	0.0823	20	70	130	
Calcium	52.83	20.00	70	85.1	20.00	70	85.4	0.0697	20	70	130	
Iron	0	5.000	5.2	104	5.000	5.2	104	0.368	20	70	130	



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Quality Control Report

WO#: 24061259

7/31/2024

Magnesium	18.68	20.00	39	100	20.00	39	101	0.125	20	70	130	
Potassium	12.68	20.00	32	97.6	20.00	32	97.9	0.176	20	70	130	
Sodium	165.5	20.00	180	52.8	20.00	180	51.2	0.178	20	70	130	S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070043-02B

RunID: 92852 SeqNo 2532633 Units: mg/L

Analysis Date: 7/26/2024 12:41:35 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.2	104								
Calcium	52.83	20.00	70	85.4								
Iron	0	5.000	5.2	104								
Magnesium	18.68	20.00	39	101								
Potassium	12.68	20.00	32	97.9								
Sodium	165.5	20.00	180	51.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070043-03B

RunID: 92852 SeqNo 2532637 Units: mg/L

Analysis Date: 7/26/2024 12:50:16 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.2	104	5.000	5.1	103	0.971	20	70	130	
Calcium	44.09	20.00	61	86.7	20.00	61	86.7	0.0210	20	70	130	
Iron	0	5.000	5.2	104	5.000	5.2	103	0.646	20	70	130	
Magnesium	16.01	20.00	36	99.9	20.00	36	99.6	0.181	20	70	130	
Potassium	12.44	20.00	32	96.7	20.00	32	96.3	0.238	20	70	130	
Sodium	138.0	20.00	150	55.1	20.00	150	59.1	0.547	20	70	130	S

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24070043-03B

RunID: 92852 SeqNo 2532638 Units: mg/L

Analysis Date: 7/26/2024 12:52:25 PM Analyst: AL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.1	103								
Calcium	44.09	20.00	61	86.7								
Iron	0	5.000	5.2	103								
Magnesium	16.01	20.00	36	99.6								
Potassium	12.44	20.00	32	96.3								
Sodium	138.0	20.00	150	59.1								



7/6/2024

SGS - Silver State Analytical Laboratories-Reno
1135 Financial Blvd
Reno, NV 89502
Attn: Jose Nava

OrderID: 24060768

Dear: Jose Nava

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 6/28/2024. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,

Cory Baker
QA Manager

Mckenna Oh
Project Manager

MckennaO@wetlaboratory.com
(775) 200-9876

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

1084 Lamoille Hwy
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933
EPA LAB ID: NV00926

LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932 Page 29 of 59

Western Environmental Testing Laboratory

Report Comments

SGS - Silver State Analytical Laboratories-Reno - 24060768

Specific Report Comments

None

Report Legend

- B -- The analysis of the method blank revealed concentrations of the target analyte above the reporting limit. The client results were greater than ten times the blank amount or non-detect; therefore, the data was not impacted.
- D -- Due to the sample matrix dilution was required in order to properly detect and report the analyte. The reporting limit has been adjusted accordingly.
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. The reported result should be considered an estimate.
- K -- The TPH Diesel Concentration reported here likely includes some heavier TPH Oil hydrocarbons reported in the TPH Diesel range as per EPA 8015.
- L -- The TPH Oil Concentration reported here likely includes some lighter TPH Diesel hydrocarbons reported in the TPH Oil range as per EPA 8015.
- M -- The matrix spike (MS) value for the analysis of this parameter was outside acceptance criteria due to sample concentration or possible matrix inference. The reported result should be considered an estimate.
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated in the QC Report due to sample concentration and/or possible matrix interference.
- QD -- The sample duplicate or matrix spike duplicate analysis demonstrated sample imprecision. The reported result should be considered an estimate.
- QL -- The result for the laboratory control sample (LCS) was outside WETLAB acceptance criteria and reanalysis was not possible. The reported data should be considered an estimate.
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- U -- The analyte was analyzed for, but was not detected above the level of the reported sample reporting/quantitation limit.
- V -- The sample(s) was received with headspace exceeding 6mm. Analysis was conducted, the sample data was flagged, and the client was notified.
- V1 -- The associated Trip Blank (TB) was received with headspace exceeding 6mm. Analysis was conducted and the sample data was flagged.

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

1084 Lamoille Hwy
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933
EPA LAB ID: NV00926

LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

General Lab Comments

Per method recommendation (section 4.4), Samples analyzed by methods EPA 300.0 and EPA 300.1 have been filtered prior to analysis.

The following is an interpretation of the results from EPA method 9223B:

A result of zero (0) indicates absence for both coliform and Escherichia coli meaning the water meets the microbiological requirements of the U.S. EPA Safe Drinking Water Act (SDWA). A result of one (1) for either test indicates presence and the water does not meet the SDWA requirements. Waters with positive tests should be disinfected by a certified water treatment operator and retested.

Per federal regulation the holding time for the following parameters in aqueous/water samples is 15 minutes: Residual Chlorine, pH, Dissolved Oxygen, Sulfite.

Per NDEP-BMRR requirements, the analyses conducted on an extract from a Humidity Cell Testing (HCT), or Meteoric Water Mobility Procedure (MWMP) are analyzed on a coarse filtered aliquot with the exception of Trace Metals, which are filtered through a 0.45 micron filter.

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

1084 Lamoille Hwy
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933
EPA LAB ID: NV00926

LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

Western Environmental Testing Laboratory Analytical Report

SGS - Silver State Analytical Laboratories-Reno
1135 Financial Blvd
Reno, NV 89502
Attn: Jose Nava
Phone: (775) 857-2400 Fax: (775) 267-2054
PO\Project: 24061259 / 17897

Date Printed: 7/6/2024
OrderID: 24060768

Customer Sample ID: 24061259- 04A | Well #5
WETLAB Sample ID: 24060768-001

Collect Date/Time: 6/27/2024 08:30
Receive Date: 6/28/2024 13:10

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Turbidity (Nephelometric)	EPA 180.1	1.3	NTU	1	0.10	6/28/2024	NV00925

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 4 of 5

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

1084 Lamoille Hwy
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933
EPA LAB ID: NV00926

LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC24061178	Blank 1	Turbidity (Nephelometric)	EPA 180.1	ND			NTU

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC24061178	LCS 1	Turbidity (Nephelometric)	EPA 180.1	9.67	10.0	97	NTU

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC24061178	Duplicate 1	Turbidity (Nephelometric)	EPA 180.1	24060766-001	ND	ND	NTU	<1%
QC24061178	Duplicate 2	Turbidity (Nephelometric)	EPA 180.1	24060758-001	0.450	0.450	NTU	<1%

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 5 of 5

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

1084 Lamoille Hwy
Elko, Nevada 89801
tel (775) 777-9933
fax (775) 777-9933
EPA LAB ID: NV00926

LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

CHAIN OF CUSTODY RECORD

COC ID: 17897

PAGE:

OF:	1
-----	---

ADDRESS

**SGS Silver State Analytical
Laboratories
1135 Financial Blvd
Reno, NV 89502
TEL: (775) 857-2400**

FAX:

Website: www.ssalabs.com

24060768

[illegible]

2406

0768

Relinquished By: <u>Marina Radogost</u>	Date: <u>6/28/2024</u>	Time: <u>8:25 AM</u>	Received By: <u>ASNY</u>	Date: <u>6/28</u>	Time: <u>13:10</u>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ **RUSH** ☒ Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples 10.3 °C Attempt to Cool? Y

Comments: _____

Page 34



BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AHG0238

7/17/2024

Invoice: AH17329

Jose Nava
Silver State Analytical Laboratories, Inc. - Reno
1135 Financial Blvd
Reno, NV 89502

RE: Report for AHG0238 Drinking Water Organics - CA

Dear Jose Nava,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 7/2/2024. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Heather S. Johnson, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Heather S. Johnson, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021

Case Narrative

Project and Report Details		Invoice Details
Client:	Silver State Analytical Laboratories, Inc. - Reno	Invoice To: Silver State Analytical Laboratories, Inc
Report To:	Jose Nava	Invoice Attn: Cydnee McGuire
Project #:	24061259	Project PO#: 24061259
Received:	7/02/2024 - 11:24	
Report Due:	7/17/2024	

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 3.3

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Jose Nava	FINAL.RPT	carly.wood@sgs.com
Accounts Payable	FINAL.RPT	
Cydnee McGuire	FINAL.RPT	



AHG0238

Drinking Water Organics - CA

24061259

Certificate of Analysis

Sample ID: AHG0238-01

Sampled By: Charles Tucker

Sample Description: 24061259-02A // Well #5

Sample Date - Time: 06/27/2024 - 08:30

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Conductivity @ 25C	SM 2510B	210	1.0	umhos/cm	1	AHG0514	07/09/24	07/09/24	
Perchlorate	EPA 314.0	ND	1.0	ug/L	1	AHG0830	07/15/24	07/15/24	



AHG0238

Drinking Water Organics - CA

24061259

Certificate of Analysis

Sample ID: AHG0238-02
Sampled By: Charles Tucker
Sample Description: 24061259-02B // Well #5

Sample Date - Time: 06/27/2024 - 08:30
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Laboratory Fresno
Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
1,2,3-Trichloropropane by GC-MS SIM									
1,2,3-Trichloropropane	SRL 524M-TCP	ND	0.0050	ug/L	1	AHG0405	07/08/24	07/08/24	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



AHG0238

Drinking Water Organics - CA

24061259

Certificate of Analysis

Sample ID: AHG0238-03

Sampled By: Charles Tucker

Sample Description: 24061259-02C // Well #5

Sample Date - Time: 06/27/2024 - 08:30

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>EDB and DBCP by GC-ECD</u>									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	AHG0570	07/10/24	07/11/24	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	AHG0570	07/10/24	07/11/24	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	105 %	Acceptable range: 70-130 %						

BSK Associates Laboratory Fresno
General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 314.0 - Quality Control

Batch: AHG0830

Prepared: 7/15/2024

Prep Method: Method Specific Preparation

Analyst: CYS

Blank (AHG0830-BLK1)

Perchlorate	ND	1.0	ug/L							07/15/24
-------------	----	-----	------	--	--	--	--	--	--	----------

Blank Spike (AHG0830-BS1)

Perchlorate	15	1.0	ug/L	15	ND	98	85-115			07/15/24
-------------	----	-----	------	----	----	----	--------	--	--	----------

Matrix Spike (AHG0830-MS1), Source: AHG0188-01

Perchlorate	4.4	1.0	ug/L	5.0	ND	88	80-120			07/15/24
-------------	-----	-----	------	-----	----	----	--------	--	--	----------

Matrix Spike Dup (AHG0830-MSD1), Source: AHG0188-01

Perchlorate	4.9	1.0	ug/L	5.0	ND	97	80-120	10	15	07/15/24
-------------	-----	-----	------	-----	----	----	--------	----	----	----------

SM 2510B - Quality Control

Batch: AHG0514

Prepared: 7/9/2024

Prep Method: Method Specific Preparation

Analyst: CTD

Blank (AHG0514-BLK1)

Conductivity @ 25C	ND	1.0	umhos/cm							07/09/24
--------------------	----	-----	----------	--	--	--	--	--	--	----------

Blank Spike (AHG0514-BS1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110			07/09/24
--------------------	------	-----	----------	------	----	----	--------	--	--	----------

Blank Spike Dup (AHG0514-BSD1)

Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	100	90-110	1	5	07/09/24
--------------------	------	-----	----------	------	----	-----	--------	---	---	----------

Duplicate (AHG0514-DUP1), Source: AHG1035-03

Conductivity @ 25C	580	1.0	umhos/cm		580			0	5	07/09/24
--------------------	-----	-----	----------	--	-----	--	--	---	---	----------

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
---------	--------	----	-------	-------------	---------------	------	-------------	-----	-----------	---------------	------

EPA 504.1 - Quality Control

Batch: AHG0570

Prepared: 7/10/2024

Prep Method: EPA 504/505

Analyst: KMA

Blank (AHG0570-BLK1)

Ethylene Dibromide (EDB)	ND	0.020	ug/L							07/10/24	
Dibromochloropropane (DBCP)	ND	0.010	ug/L							07/10/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			07/10/24	

Blank Spike (AHG0570-BS1)

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	112	70-130			07/10/24	
Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	101	70-130			07/10/24	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		100	70-130			07/10/24	

Blank Spike Dup (AHG0570-BSD1)

Ethylene Dibromide (EDB)	0.12	0.020	ug/L	0.10	ND	117	70-130	4	20	07/10/24	
Dibromochloropropane (DBCP)	0.11	0.010	ug/L	0.10	ND	106	70-130	5	20	07/10/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			07/10/24	

Matrix Spike (AHG0570-MS1), Source: AHG1066-01

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	112	65-135			07/10/24	
Dibromochloropropane (DBCP)	0.099	0.010	ug/L	0.10	ND	99	65-135			07/10/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			07/10/24	

SRL 524M-TCP - Quality Control

Batch: AHG0405

Prepared: 7/8/2024

Prep Method: no prep-volatiles

Analyst: CMF

Blank (AHG0405-BLK1)

1,2,3-Trichloropropane	ND	0.0050	ug/L							07/08/24	
------------------------	----	--------	------	--	--	--	--	--	--	----------	--

Blank Spike (AHG0405-BS1)

1,2,3-Trichloropropane	0.0044	0.0050	ug/L	0.0050	ND	87	80-120			07/08/24	
------------------------	--------	--------	------	--------	----	----	--------	--	--	----------	--

Blank Spike Dup (AHG0405-BSD1)

1,2,3-Trichloropropane	0.0044	0.0050	ug/L	0.0050	ND	88	80-120	2	30	07/08/24	
------------------------	--------	--------	------	--------	----	----	--------	---	----	----------	--

Duplicate (AHG0405-DUP1), Source: AHG0736-01

1,2,3-Trichloropropane	ND	0.0050	ug/L		ND				30	07/08/24	
------------------------	----	--------	------	--	----	--	--	--	----	----------	--

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

****NA****

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-023
State of Nevada	CA000792024-03	State of Oregon - NELAP	4021-023
EPA UCMR5	CA00079	State of Washington	C997-24a

Sacramento

State of California - ELAP	1180-S1
----------------------------	---------

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-008	State of Oregon - NELAP	4119-008

Vancouver

NELAP certified	WA100008-018	State of Oregon - NELAP	WA100008-018
State of Washington	C824-23c		



Sample Integrity

 BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$			Yes No NA			Were correct containers and preservatives received for the tests requested?			Yes No NA			
		If samples were taken today, is there evidence that chilling has begun?			Yes No <u>NA</u>			Bubbles Present VOAs (524.2/TTHM/TCP)?			Yes No NA			
		Did all bottles arrive unbroken and intact?			<u>Yes</u> No			TB Received? (Check Method Below)			Yes <u>No</u> NA			
		Did all bottle labels agree with COC?			<u>Yes</u> No			Was a sufficient amount of sample received?			<u>Yes</u> No			
		Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?			Yes <u>NA</u>			Do samples have a hold time < 72 hours?			Yes <u>No</u>			
								Was PM notified of discrepancies? PM: Heather dt: 7/2/24 12:18 email <u>scan</u> copy			<u>Yes</u> No NA			
		250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)			Checks*		Passed?		1		2		3	
		Bacti $\text{Na}_2\text{S}_2\text{O}_3$			—		—							
		None (P) White Label			—		—		1B					
		Cr6 (P) Lt. Green Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ DW			Cl, pH > 8		P F							
		Cr6 (P) Pink Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ WW			pH 9.3-9.7		P F							
		Cr6 (P) Black Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ 7199 ***24 HOUR HOLD TIME***			pH 9.0-9.5		P F							
		HNO ₃ (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label			—		—							
		H ₂ SO ₄ (P) or (AG) Yellow Label			pH < 2		P F							
		NaOH (P) Green Cap/Label			Cl, pH > 10		P F							
		NaOH + ZnAc (P)			pH > 9		P F							
		Dissolved Oxygen 300ml (g)			—		—							
		None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270			—		—							
		HCl (AG) Lt. Blue Label O&G, Diesel, TCP			—		—				3V			
		Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525			—		—							
		Na ₂ SO ₃ 250mL (AG) Neon Green Label 515			—		—							
		Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549			—		—							
		Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524			—		—				3V			
		Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547			—		—						JM	
		Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531			pH < 3		P F						7/2/24	
		NH ₄ Cl (AG) Purple Label 552			—		—							
		EDA (P) or (AG) Brown Label DBPs			—		—							
		HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624			—		—							
		Buffer pH 4 (CG)			—		—							
		H ₃ PO ₄ (CG) Salmon Label			—		—							
		Trizma - EPA 537.1 Light Blue Label FB			---		---							
		Ammonia Acetate - EPA 533 Purple Label FB			---		---							
		Bottled Water			—		—							
		Clear Glass: Jar / VOA			—		—							
		OTHER:			—		—							
		OTHER:			—		—							
Split		Container	Preservative	Lot #	Initials	Date/Time	Preservation Check							
	S P						pH Lot #							
	S P						Cl Lot #							
Comments	*Preservation check completed by lab performing analysis.							✓ Indicates Blanks Received						
	*One 504 VOA has a large air bubble.							504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP ___						
Labeled by:							Checked by: <u>JA</u>							

Scanned: _____ Rush/Short HT Page: _____ Time: _____



COC ID: 17909

PAGE: 1	OF: 1
---------	-------

ADDRESS
SCS Silver State Analytical

AHG0238 Sierr2400 07/02/2024



10

Reno, NV 89502
TEL: (775) 857-2400

FAX:

Website: www.ssalabs.com

SPECIAL INSTRUCTIONS / COMMENTS

Please send results to: jose.nava@sgs.com, carly.wood@sgs.com, cydnee.mcquire@sgs.com CA SAMPLE

SUB CONTRACTOR						COMPANY:															
BSK-R						BSK Laboratory															
ADDRESS:						687 N. Laverne Avenue															
CITY, STATE, ZIP:						Fresno, CA 93727															
PHONE:						(559) 497-2888		FAX:		EMAIL:											
ACCOUNT #:						PO#:		24061259		SAMPLE#: Charles Tucker											
ITEM #						SAMPLE ID		Client Sample ID		Bottle Type		MATRIX		DATE COLLECTED		NUMBER OF CONTAINERS					
1						24061259-02A		Well #5				Drinking Water		06/27/2024 8:30		1					
2						24061259-02B		Well #5				Drinking Water		06/27/2024 8:30		3					
3						24061259-02C		Well #5				Drinking Water		06/27/2024 8:30		3					
ANALYTICAL PARAMETERS																		SUB-B-DRCPEDB-50+R (SLUR)		✓	
																		SUB-I-23 TCP SR524M-R (SLE		✓	
1,2,3- TCP																					

* One 504 VOA has a large air bubble.

-JM 12:00 7/2/24

Relinquished By: <u> </u>	Date: <u>6/28/2024</u>	Time: <u>10:31 AM</u>	Received By: <u> </u>	Date: <u> </u>	Time: <u> </u>
Relinquished By: <u> </u>	Date: <u> </u>	Time: <u> </u>	Received By: <u> </u>	Date: <u> </u>	Time: <u> </u>
Relinquished By: <u> </u>	Date: <u> </u>	Time: <u> </u>	Received By: <u> </u>	Date: <u> </u>	Time: <u> </u>
TAT: <u> </u>	Standard <input type="checkbox"/>	RUSH <input type="checkbox"/>	Next BD <input type="checkbox"/>	2nd BD <input type="checkbox"/>	3rd BD <input type="checkbox"/>

Note: RUSH requests will incur surcharges!

<p>Temp of samples <u> </u></p> <p>Comments: <u> </u></p>	<p>FOR LAB USE ONLY</p> <p>33 Gen#75 Attempt to Cool? <u>Yes</u></p>
---	--

☐ HARD COPY (extra cost)
 ☐ FAX
 ☐ EMAIL
 ☐ ONLINE

REPORT TRANSMITTAL DESIRED:

WI Fed Ex Bk



July 22, 2024

Mr. Joe Nava
Silver State Analytical Laboratories-Reno (SGS)
1135 Financial Blvd.
Reno, NV 89502

RE: Project: 24061259
Pace Project No.: 30697376

Dear Mr. Nava:

Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Cydnee McGuire, Silver State Analytical Laboratories-
Reno (SGS)
Ms. Carly Wood, Silver State Analytical Laboratories-Reno
(SGS)



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: 24061259
Pace Project No.: 30697376

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: 24061259

Pace Project No.: 30697376

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30697376001	24061259-03A	Drinking Water	06/27/24 08:30	07/03/24 09:45

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: 24061259

Pace Project No.: 30697376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30697376001	24061259-03A	EPA 900.0	KET	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 24061259

Pace Project No.: 30697376

Sample: 24061259-03A Lab ID: 30697376001 Collected: 06/27/24 08:30 Received: 07/03/24 09:45 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Gross Beta	EPA 900.0	7.26 ± 1.21 (1.44) C:NA T:NA	pCi/L	07/22/24 08:11	12587-47-2	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL - RADIOCHEMISTRY

Project: 24061259

Pace Project No.: 30697376

QC Batch: 680693

Analysis Method: EPA 900.0

QC Batch Method: EPA 900.0

Analysis Description: 900.0 Gross Alpha/Beta

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30697376001

METHOD BLANK: 3314429

Matrix: Water

Associated Lab Samples: 30697376001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Beta	-0.001 ± 0.679 (1.71) C:NA T:NA	pCi/L	07/22/24 08:11	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALIFIERS

Project: 24061259
Pace Project No.: 30697376

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24061259

Pace Project No.: 30697376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30697376001	24061259-03A	EPA 900.0	680693		

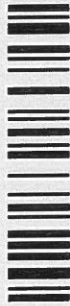
REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CHAIN OF CUSTODY RECORD

W0#: 30697376



30697376

COC ID: 17899 PAGE: 1 OF: 1

ADDRESS
SGS Silver State Analytical
Laboratories
1135 Financial Blvd
Reno, NV 89502
TEL: (775) 857-2400
FAX:


Website: www.ssalabs.com

SUB CONTRACTOR: Pace Greenburg-R		COMPANY: Pace Analytical Services	
ADDRESS: 1638 Roseytown Road			
CITY, STATE, ZIP: Greenburg, PA 15601			
PHONE: (724) 850-5600		FAX:	
ACCOUNT #: Client # / ID: 30-		PO#: 24061259	
SAMPLER: Charles Tucker			
ITEM #	SAMPLE ID	Client Sample ID	DATE COLLECTED
1	24061259-03A	Well #5	06/27/2024 8:30
		Bottle Type	MATRIX
		Drinking Water	
		NUMBER OF CONTAINERS	2
SUB-G ALPHA 900-R (E900) ✓			
ANALYTICAL PARAMETERS			
SPECIAL INSTRUCTIONS / COMMENTS			
Please send results to: jose.nava@sgs.com; carly.wood@sgs.com; cydnee.mcguire@sgs.com CA SAMPLE			

001

Received by Pace Greensburg
Therm ID — Corr Factor +/- —
Receipt Temp —
Corrected Temp —
Correct Preservation YDN

Relinquished By: <i>M. Arizpe-Rubio</i>	Date: 6/28/2024	Time: 8:27 AM	Received By: <i>[Signature]</i>	Date: 7/1/24	Time: 9:45
Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
TAT: Standard <input type="checkbox"/>			RUSH		
Next BD <input type="checkbox"/>			2nd BD <input type="checkbox"/>		
3rd BD <input type="checkbox"/>					
Note: RUSH requests will incur surcharges!					
REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE					
FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool? _____ Comments: _____					



DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt.

Greensburg

Effective Date: 01/04/2024

WO#: 30697376

PM: CMC Due Date: 07/25/24

CLIENT: SILVER-RENO

Client Name: SGS Silver State Analytical Project

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 74042823 8727

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No

Thermometer Used: _____ Type of Ice: Wet Blue (None) Correction Factor: _____ °C Final Temp: _____ °C

Cooler Temperature: Observed Temp _____ °C

Temp should be above freezing to 6°C

Initial/Date

Examined By: EJ 7/3/24

Labeled By: EJ 7/3/24

Temped By: _____

Comments:	pH paper Lot# <u>10DZ931</u>			D.P.D. Residual Chlorine Lot # _____
	Yes	No	NA	
Chain of Custody Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
-Were client corrections present on COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Chain of Custody Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-Includes date/time/ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix: <u>DW</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
-Pace Containers Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.
Orthophosphate field filtered:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.
Hex Cr Aqueous samples field filtered:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.
Organic Samples checked for dichlorination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.
Filtered volume received for dissolved tests:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
All containers checked for preservation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All containers meet method preservation requirements:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8260C/D: Headspace in VOA Vials (> 6mm)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.
624.1: Headspace in VOA Vials (0mm)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.
Radon: Headspace in RAD Vials (0mm)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rad Samples Screened <.05 mrem/hr.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Comments:				

pH < 2

Initial when completed EJ Date/Time of Preservation _____

Lot# of added Preservative _____

Trip blank custody seal present? YES or NO

Initial when completed JS Date: 7/3/24 Survey Meter SN: 25614380



SilverState
Analytical Laboratories

SGS.COM

ssalabs.com

3628 E. SUNSET RD., STE 100, LAS VEGAS, NV 89120
Phone (702) 873-4478 Fax: (702) 873-7967 (EPA#: NV000930, CA2885)
1135 FINANCIAL BOULEVARD, RENO, NV 89502
Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

Page 1 of 1

Report Results To:

Report Attention: Charles Tucker Project Number:
Company: Wheeler West Community Services District
Mailing Address: 3030 Pinon Drive - SoCal Meadows
City, State, Zip: Chico CA 93514
Phone: 883-976-6998 Email: ctucker@hohotmail.com
Signature: Charles Tucker

Send Invoice To:

Invoice Attention: Brent Miller PO#
Company: same
Mailing Address: 267 Rimmed Drive
City, State, Zip: 765-937-2913
Phone: 765-937-2913 Email/Fax: brent@pennyroyal.com

ANALYSES REQUESTED place.net

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: ☒ Standard TAT 7-10 Business Days. Note that some tests vary.

Other Pertinent Information / Special Instructions

Rush ☐ Same Day: ☐ 3 Day: ☐ Other (specify):

1 Day: ☐ 4 Day: ☐ Rush results will be issued after 4:00 p.m.

2 Day: ☐ 5 Day: ☐

NOTE: A Rush Surcharge is applied for rush samples

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp Grab	Matrix	Preservative*
6-27	5:30 AM	Well #5		6	Du	Valphos 13

Gen Min CA
Perchlorate
Gross Alpha
12.3 TCP
EPA 504

COMMENTS

QC Level Report

Send Results Via:

Mail: ☐ Email: ☒ Fax: ☐

Send Invoice Via:

Mail: ☐ Email: ☒ Fax: ☐

Field Measurements

On-Site pH: Chlorine: 0.08

Temperature Other

Metals*

Signature

Print Name

Company

Date

Time

Relinquished By: Charles Tucker

Charles F. Tucker

Wheeler West CSB

6-27

12:57

Received By: [Signature]

[Signature]

6-27-24

12:50

Relinquished By:

[Signature]

Received By:

Relinquished By:

Authorized By:

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard T & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply. The analytical results associated with this COC apply only to these samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.

Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other

Container*** P-Plastic, G-Glass, V-Vial, OT-Other



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Definitions & Qualifiers

WO#: 24061259
Date: 7/31/2024

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.

Z - Batch LCS and/or LCSD were outside acceptance limits.