



Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

P 719.689.2977
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newmont.com

February 28, 2024

SENT VIA EMAIL

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining, and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

Re: Monthly Grassy Valley January 2024 Report Submission, February 28, 2024

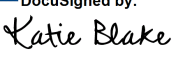
Dear Mr. Russell,

Newmont Corporation's Cripple Creek & Victor Gold Mining Company (CC&V) hereby provides the Grassy Valley Monthly Monitoring Report as required by the Division of Reclamation Mining and Safety beginning in the fourth quarter 2021. The monthly monitoring report has been expanded in response to the Corrective Actions Required; Grassy Valley GVMW-25 Monthly Sampling August 2022 issued by the Division on September 30, 2022. The monthly monitoring has been further expanded in response to the Additional Information Required and Issuance of Corrective Action, Grassy Valley Groundwater and Surface Water Monitoring Report September 2023, dated November 22, 2023. Data within this report has been collected as outlined in the Grassy Valley Monthly Monitoring Plan submitted as TR-132 and approved by the Division on March 10, 2023.

Figure 1 is a location map for all pertinent monitoring locations and Table 1 summarizes all monitored locations and status during the current monitoring period. Table 2 provides a summary of analytical results compared to applicable standards. Attachment 1 contains graphs displaying historic analytical data from GVMW-25. Attachment 2 contains analytical reports for samples collected during this monitoring period. Attachment 3 contains surface and groundwater sampling logs.

Should you require further information please do not hesitate to contact Joshua Adams at 719.323.0438 or Joshua.Adams@Newmont.com or myself at 719.851.4048 or Katie.Blake@Newmont.com

Sincerely,

DocuSigned by:

5A3D013B629844B...

Katie Blake
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

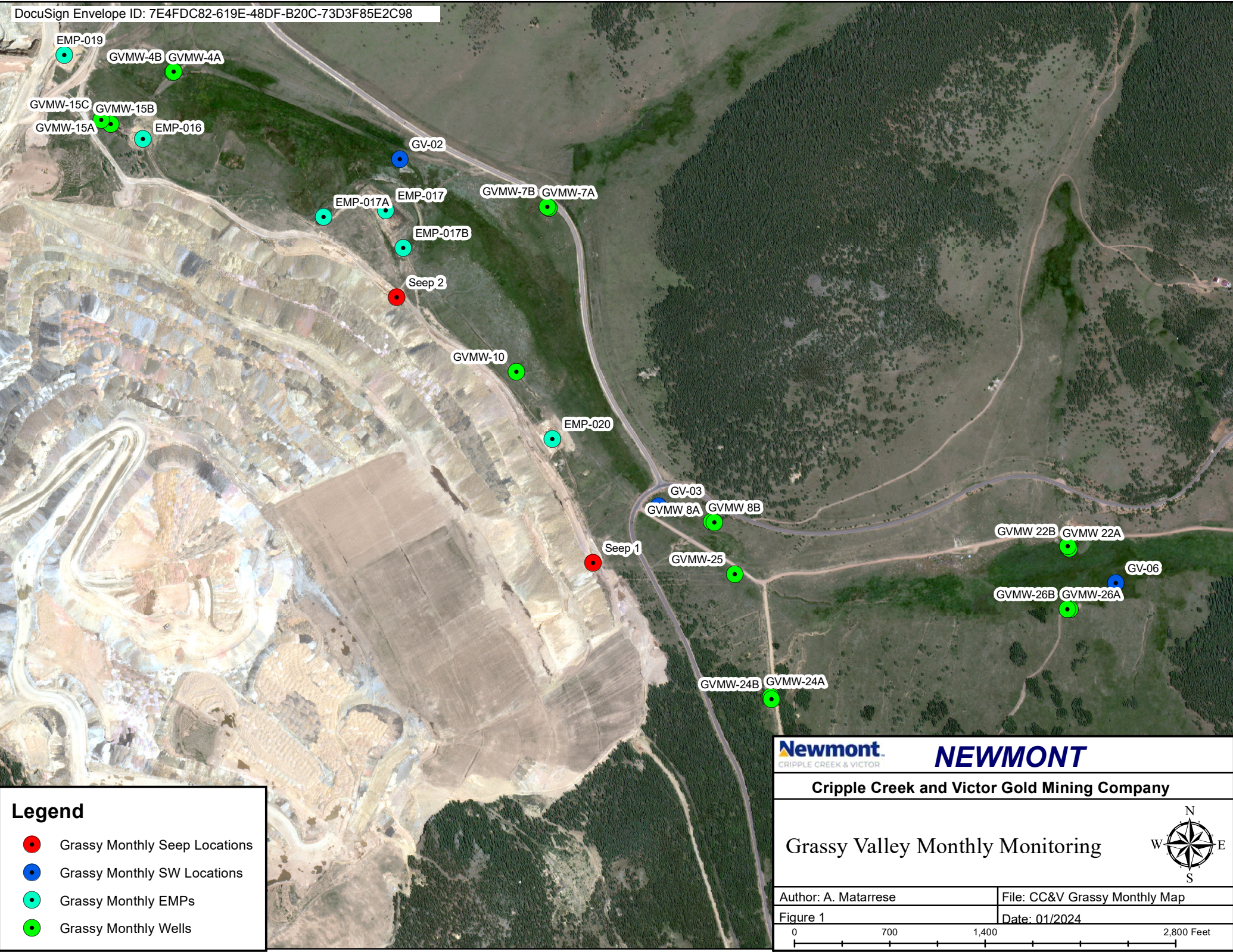
EC: P. Lennberg
M. Cunningham
K. Blake
J. Gonzalez
A. Matarrese



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Figures



Legend

- Grassy Monthly Seep Locations
- Grassy Monthly SW Locations
- Grassy Monthly EMPs
- Grassy Monthly Wells



Cripple Creek and Victor Gold Mining Company

Grassy Valley Monthly Monitoring

Author: A. Matarrese

File: CC&V Grassy Monthly Map

Figure 1

Date: 01/2024

0

700

1,400

2,800 Feet





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Tables

Table 1
Grassy Valley Monthly Monitoring Locations
Cripple Creek and Victor Gold Mining Company

Monitoring Location	Date Monitored	Status
GVMW-4A	1/24/2024	Not sampled due to suspected stagnant water in well casing
GVMW-4B	NA	P&A
GVMW-7A	1/9/2024	Sampled
GVMW-7B	1/9/2024	Sampled
GVMW-8A	1/18/2024	Sampled
GVMW-8B	1/18/2024	Sampled
GVMW-10	1/24/2024	Sampled
GVMW-15A	1/24/2024	Not sampled due to suspected stagnant water in well casing
GVMW-15B	1/10/2024	Sampled
GVMW-15C	1/24/2024	Not sampled, depth beyond measuring capabilities
GVMW-22A	1/18/2024	Sampled
GVMW-22B	1/18/2024	Sampled
GVMW-24A	1/18/2024	NS-IW
GVMW-24B	1/18/2024	dry at 100' BTOC
GVMW-25	1/9/2024	Sampled
GMVW-26A	1/18/2024	Location inaccessible due to snow accumulation
GVMW-26B	1/18/2024	Location inaccessible due to snow accumulation
Ecosa Seep-1	1/8/2024	Frozen; no sample collected
Ecosa Seep-2	1/8/2024	Frozen; no sample collected
GV-02	1/8/2024	Dry
GV-03	1/8/2024	Dry
GV-06	1/8/2024	Frozen; no sample collected
EMP-016	1/8/2024	No standing water, location full of snow
EMP-017	1/8/2024	No standing water, location full of snow
EMP-017A	1/8/2024	Frozen; no sample collected
EMP-17B	1/8/2024	No standing water, location full of snow
EMP-020	1/8/2024	No standing water, location full of snow

Notes:
' - feet
BTOC - below top of casing
NS-IW - Not sampled due to insufficient water
P&A - Plugged and abandoned

Table 2
Grassy Valley Monthly Groundwater Analytical Results - January 2024
Cripple Creek and Victor Gold Mining Company

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D. Sample Date	GVMW-7A 1/9/2024	GVMW-7B 1/9/2024	GVMW-8A* 1/18/2024	GVMW-8B 1/18/2024	GVMW-10 1/24/2024	GVMW-15B 1/10/2024	GVMW-22A 1/18/2024	GVMW-22B 1/8/2024	GVMW-25 12/6/2024
Aluminium - Dissolved	5	7	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	0.625	<0.080	<0.080	766
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	0.031	<0.030	<0.030	<0.030
Antimony - Dissolved	0.006	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	0.00194	<0.00100	<0.00100	<0.00100	<0.200
Arsenic - Dissolved	0.01	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.200
Barium - Dissolved	2	NA	mg/L		0.153	0.0397	<0.0020	0.0078	0.0239	0.0123	0.11	0.0481	0.0138
Beryllium - Dissolved	0.004	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.0436	<0.00200	<0.00200	0.4800
Boron - Total	0.75	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400
Cadmium - Dissolved	0.005	0.005	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0036	<0.0020	<0.0020	1.63
Chloride - Total	250	NA	mg/L		4.85	78.8	63.3	37.9	5.02	0.52	4.25	8.04	25.1
Chromium - Dissolved	0.1	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0877
Cobalt - Dissolved	0.05	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0869	<0.0060	<0.0060	1.82
Copper - Dissolved	0.2	0.2	mg/L		<0.0100	<0.0100	<0.0100	0.0213	0.0132	<0.0100	<0.0100	<0.0100	2.88
Cyanide - Free	0.2	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - WAD	NA	0.2	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	2	2	mg/L		0.08	0.44	1.96	2.24	0.218	0.492	2.1	0.376	12.1
Iron - Dissolved	0.3	14	mg/L		1.040	<0.100	<0.100	<0.100	<0.100	24.5	<0.100	<0.100	0.878
Lead - Dissolved	0.05	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.0547	<0.0075	<0.0075	0.0247
Lithium - Dissolved	2.5	NA	mg/L		<0.040	<0.040	<0.040	<0.040	0.054	<0.040	<0.040	<0.040	0.217
Manganese - Dissolved	0.05	3	mg/L		0.181	<0.0080	<0.0080	0.0082	0.2	1.58	0.016	<0.0080	205
Mercury - Dissolved	0.002	0.002	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	0.21	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	0.0105	<0.0080	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	0.1	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.137	<0.0100	<0.0100	2.34
Nitrate as Nitrogen	10	10	mg/L		<0.050	0.478	1.08	2.34	0.172	<0.050	<0.050	0.479	3.83
Nitrite + Nitrate as Nitrogen	1	1	mg/L		<0.100	0.478	1.09	2.34	0.177	<0.100	<0.100	0.479	3.86
Nitrite as Nitrogen	10	11	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.500
pH Field	6.0-8.5	6.0-8.5	pH units		7.37	7.40	3.59**	6.21	6.66	4.17	7.36	6.04	3.84
Selenium - Dissolved	0.02	0.024	mg/L		<0.00100	0.00102	<0.00100	<0.00100	0.00310	<0.00100	<0.00100	<0.00100	<0.200
Silver - Dissolved	0.05	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0329
Sodium - Dissolved	NA	NA	mg/L		8.99	13	23.8	25.4	37.8	13.4	36.9	22.1	45.4
Sulfate - Total	250	NA	mg/L		17.8	153	61.6	92.4	1,480	315	36.1	90.8	7,920
Thallium - Dissolved	0.002	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.00100	<0.000200	<0.000200	<0.000200	<0.0400
Total Dissolved Solids	NA	NA	mg/L		212	467	301	294	2,200	479	259	277	9,650
Uranium - Dissolved	0.03	NA	mg/L		0.00345	0.0181	0.00423	0.00247	0.0566	0.00561	0.0036	0.000883	2.47
Vanadium - Dissolved	0.1	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	0.006	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	2	2	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.062	1.99	<0.0100	<0.0100	63.3

Notes:

Applicable Standard vs. Non-applicable standard

* NPL of 1.0 mg/L for manganese and 6.5-8.5 for pH applies to GVMW-8A

Result below laboratory detection limit

BOLD - exceeds applicable standard

< - less than

mg/L - miligrams per liter

NPL - Numeric Protection Limit

NS- Not sampled

TVS - table value standard

NS- Not sampled

** - pH recorded at the lab for this sample was 7.0. Field measurment of pH (3.59) for this sample is believed to be inaccurate due to a calibration/measurment issue with the meter.



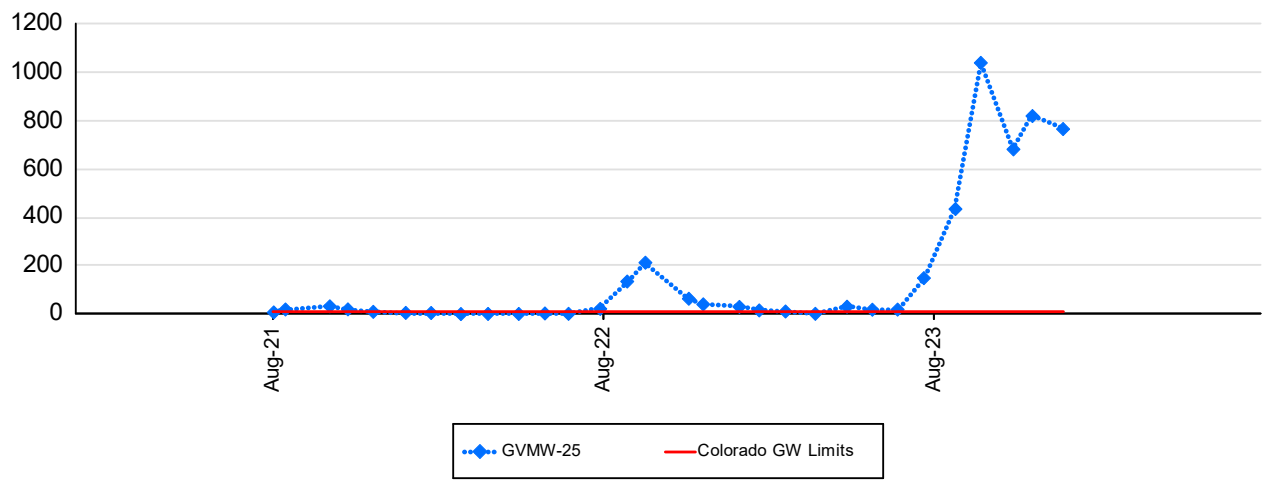
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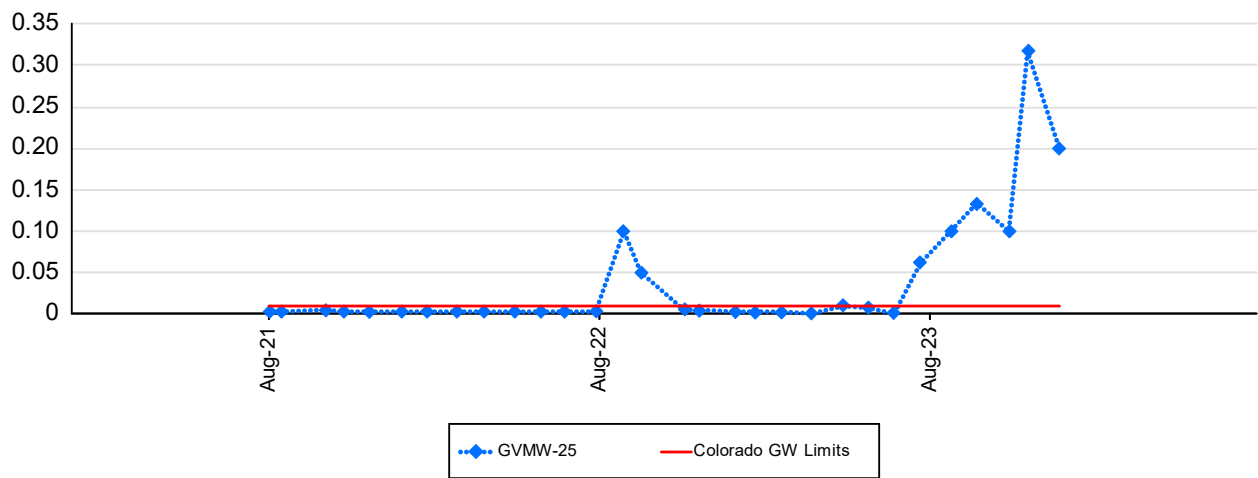
Attachment 1

GVMW-25 Historical Graphs

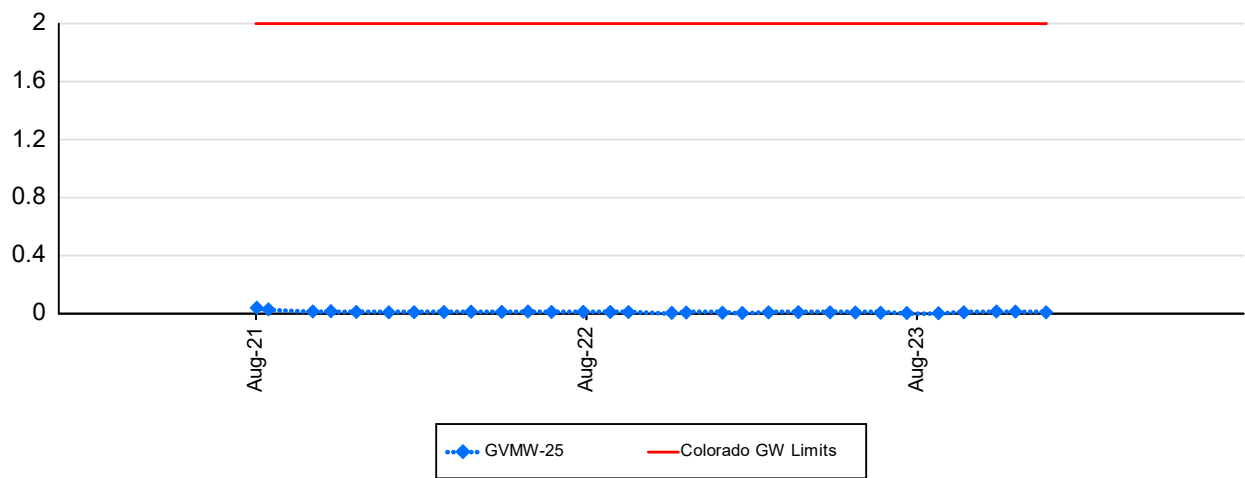
: Aluminium - Dissolved (mg/L)



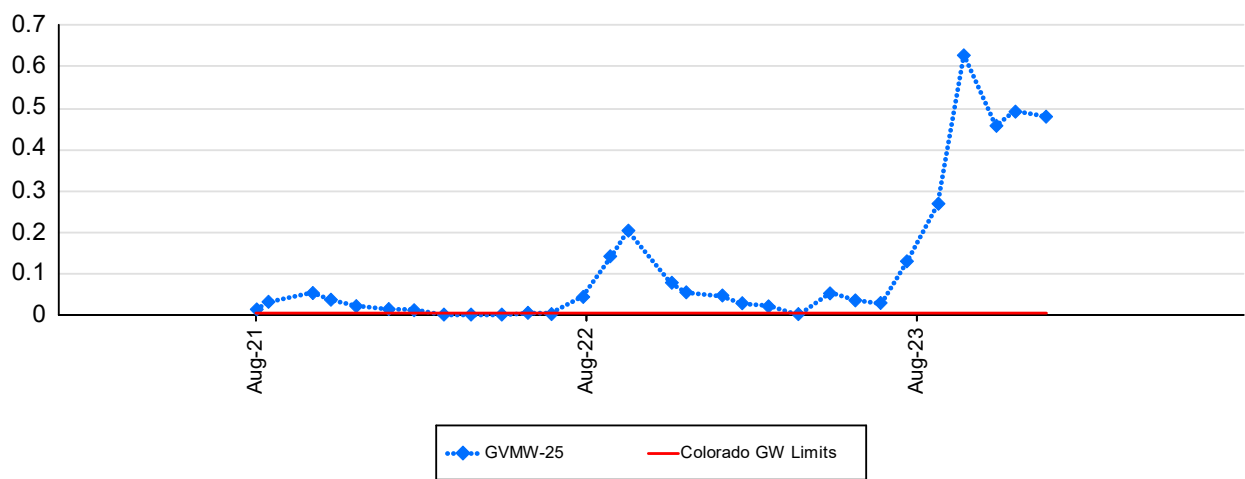
: Arsenic - Dissolved (mg/L)



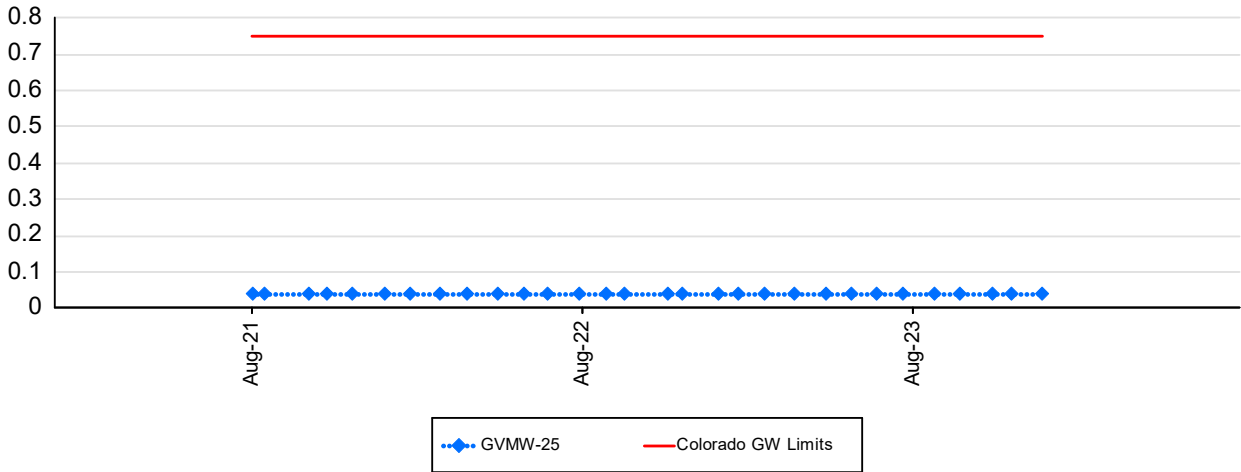
: Barium - Dissolved (mg/L)



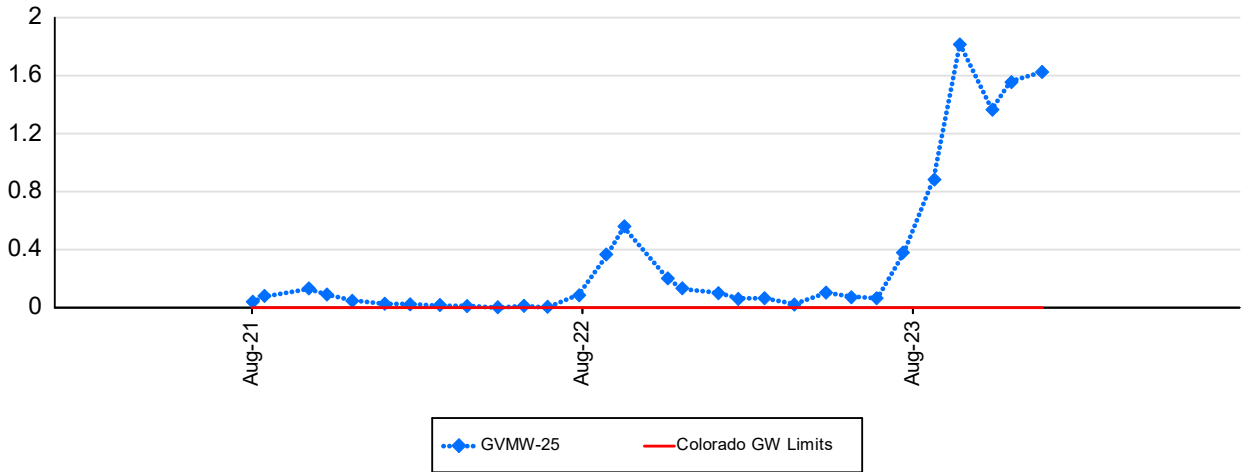
: Beryllium - Dissolved (mg/L)



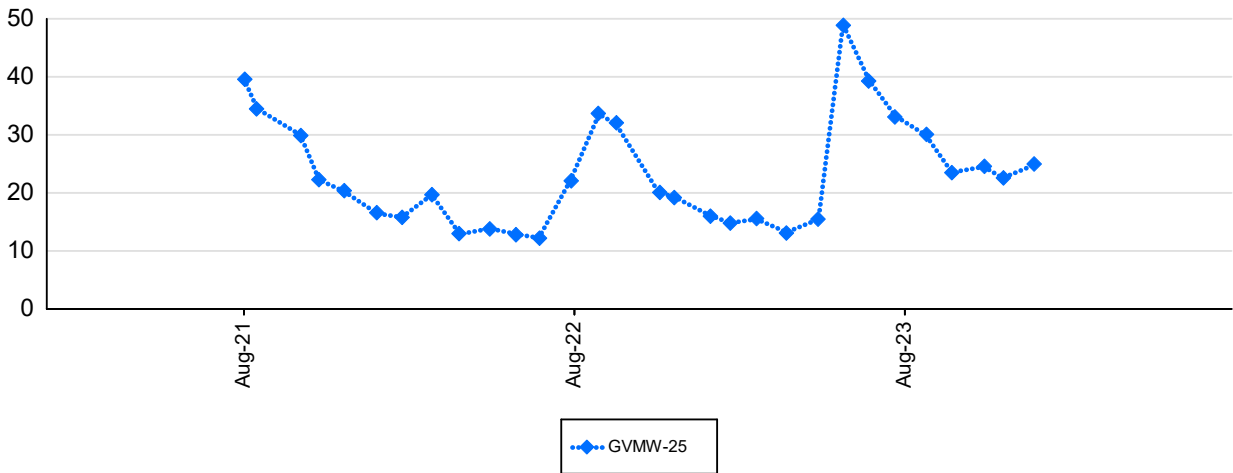
: Boron - Dissolved (mg/L)

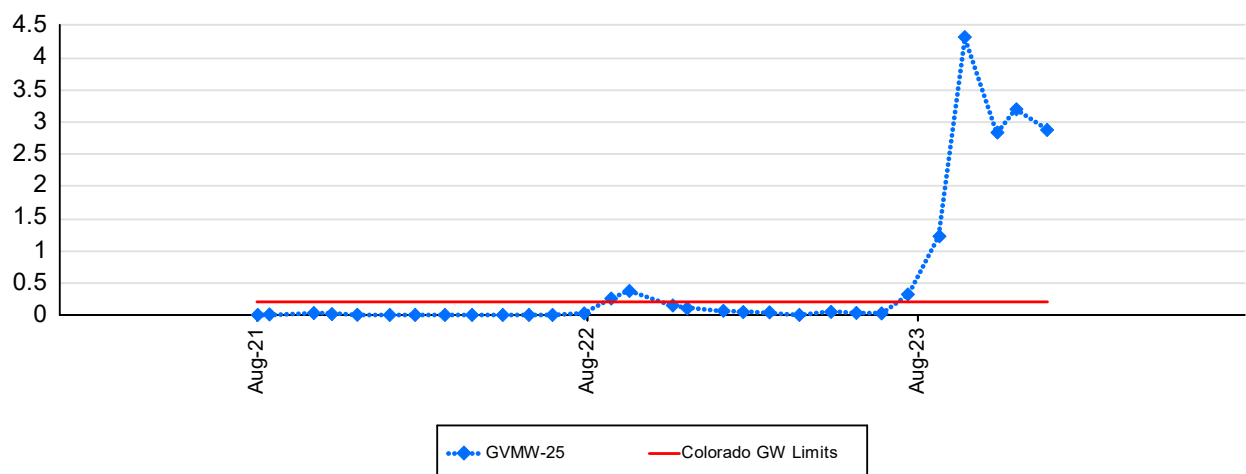


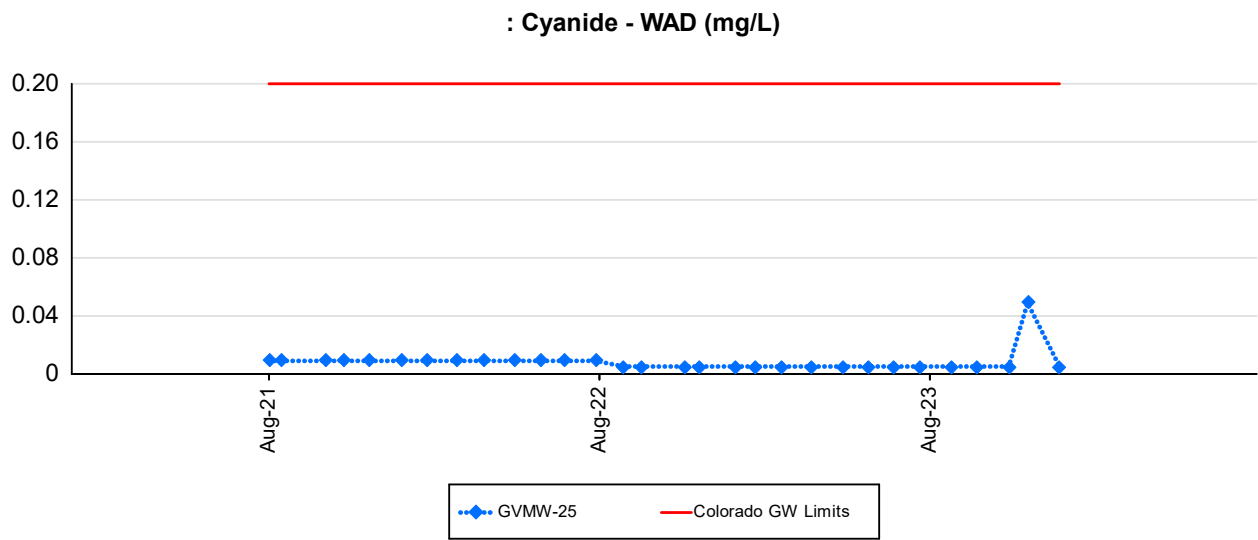
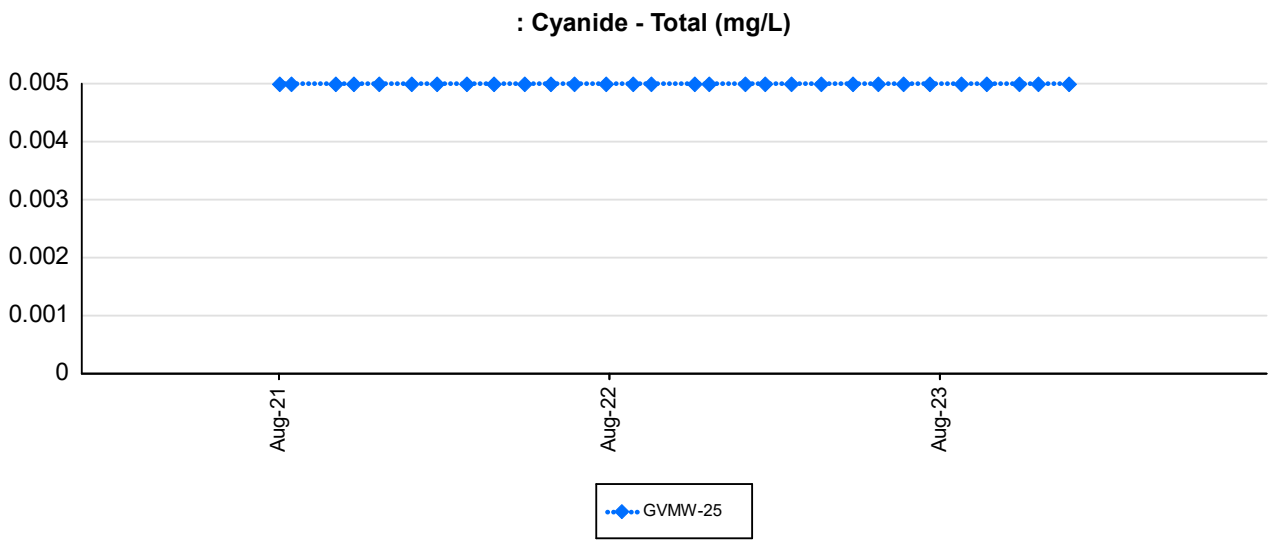
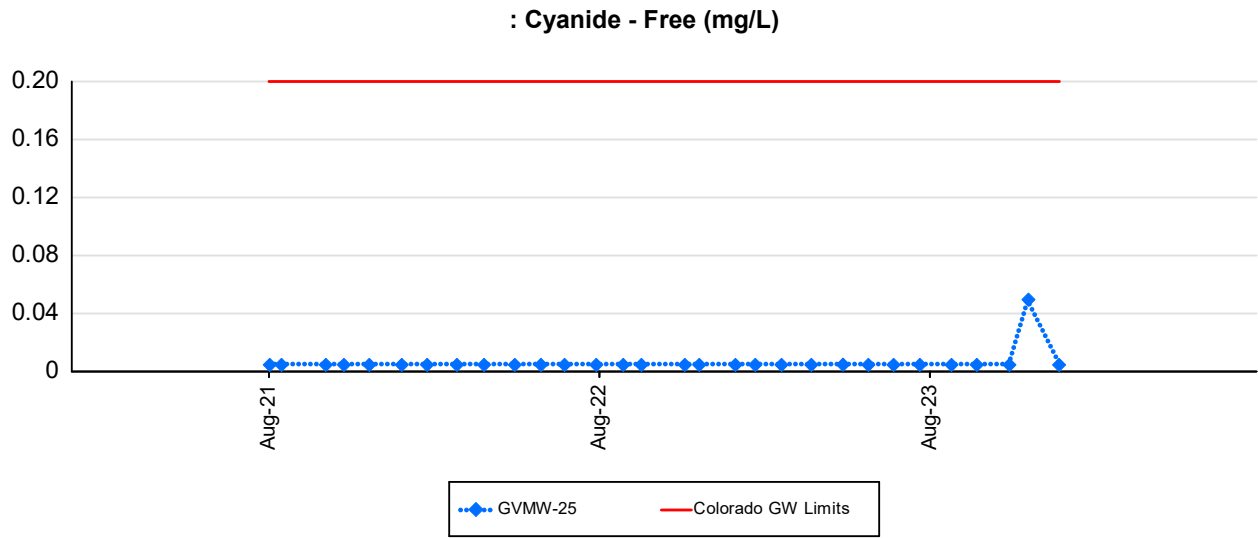
: Cadmium - Dissolved (mg/L)

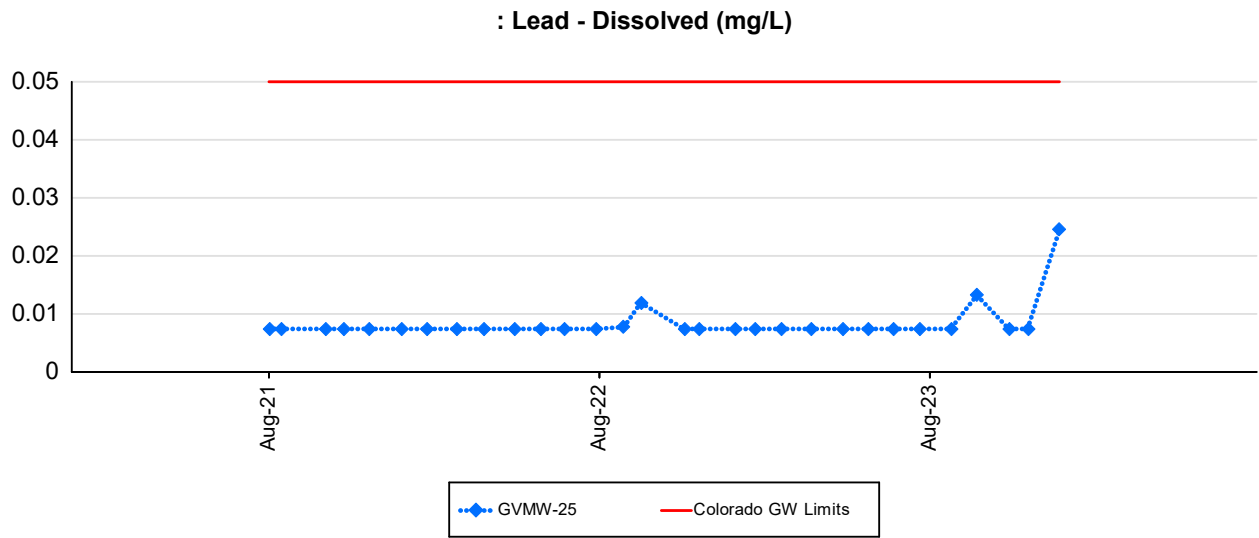
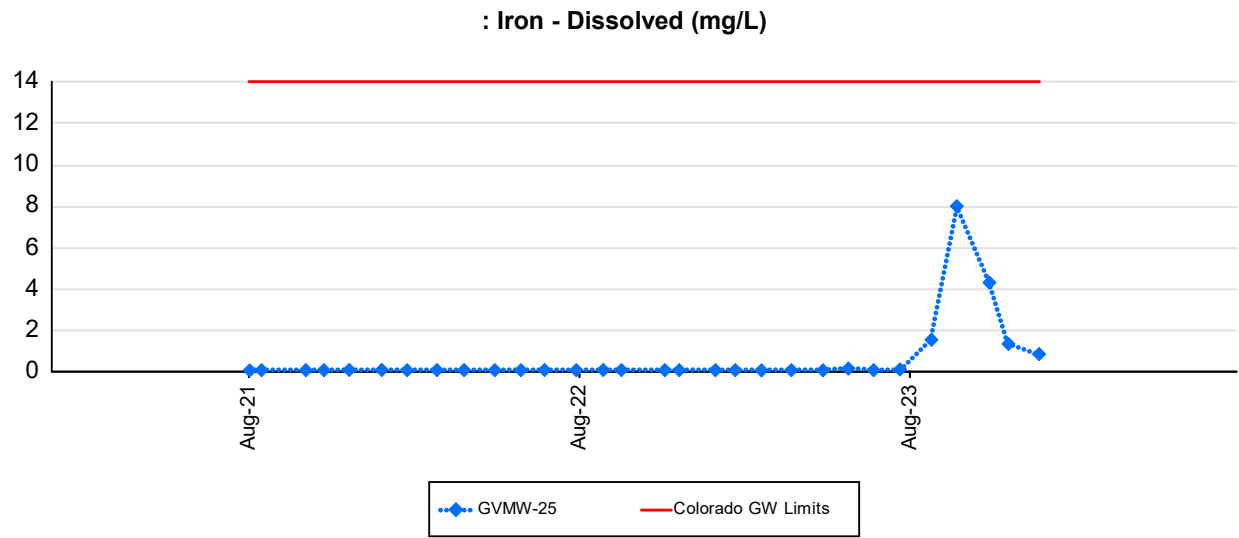
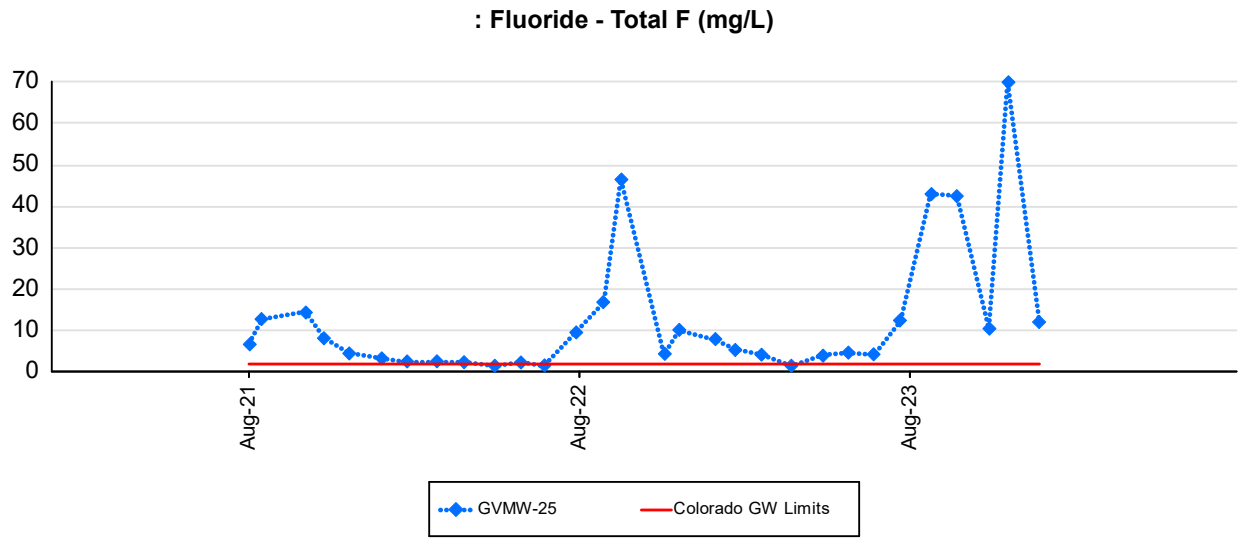


: Chloride - Total (mg/L)

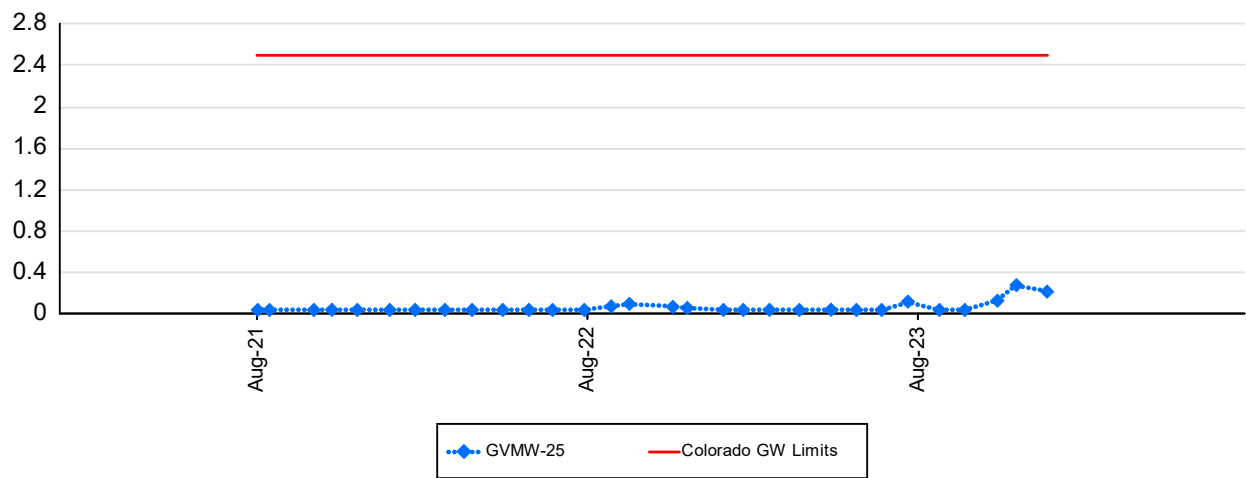




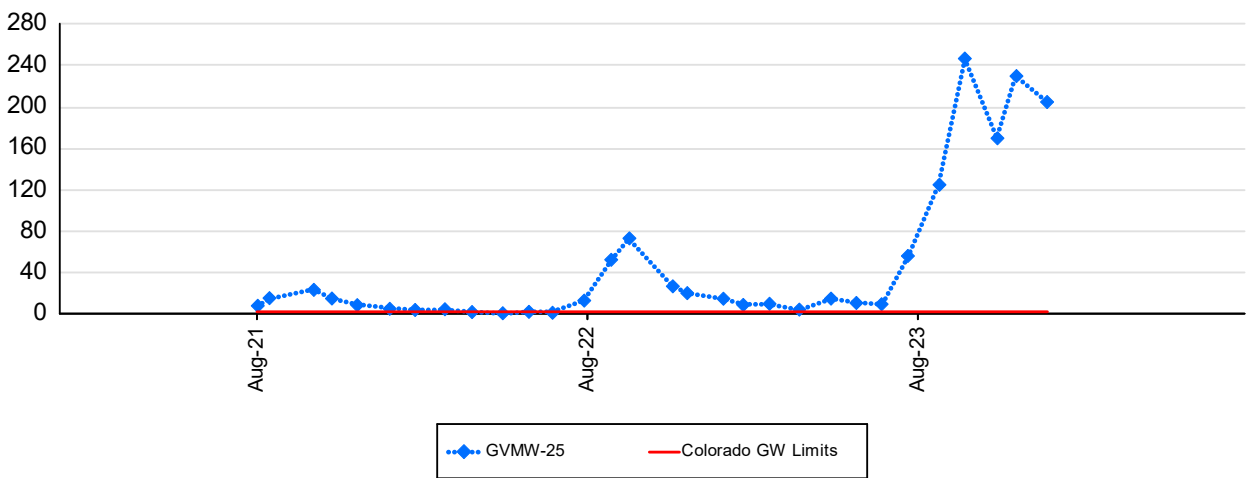




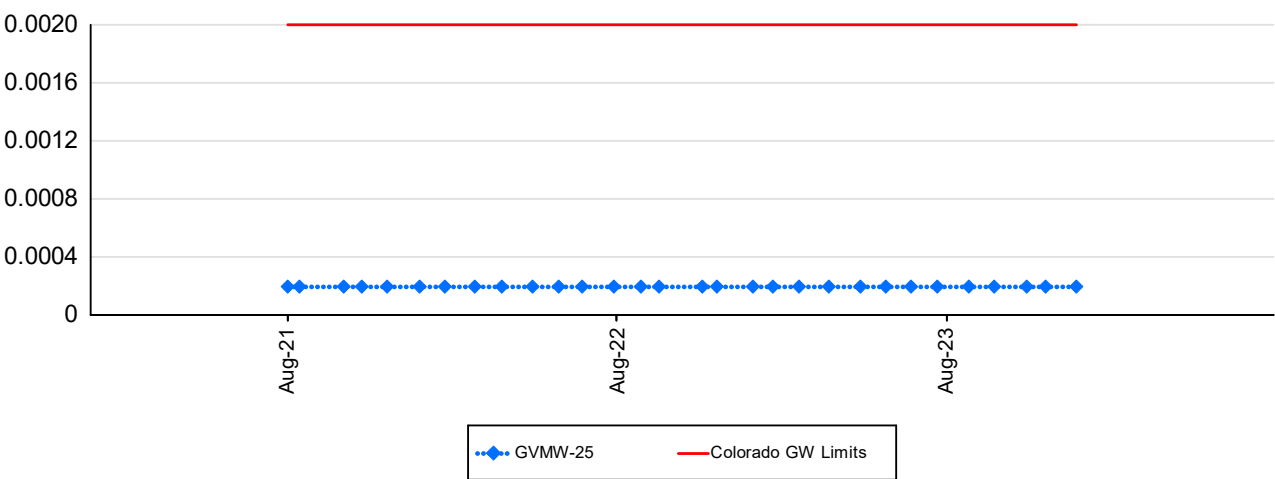
: Lithium - Dissolved (mg/L)



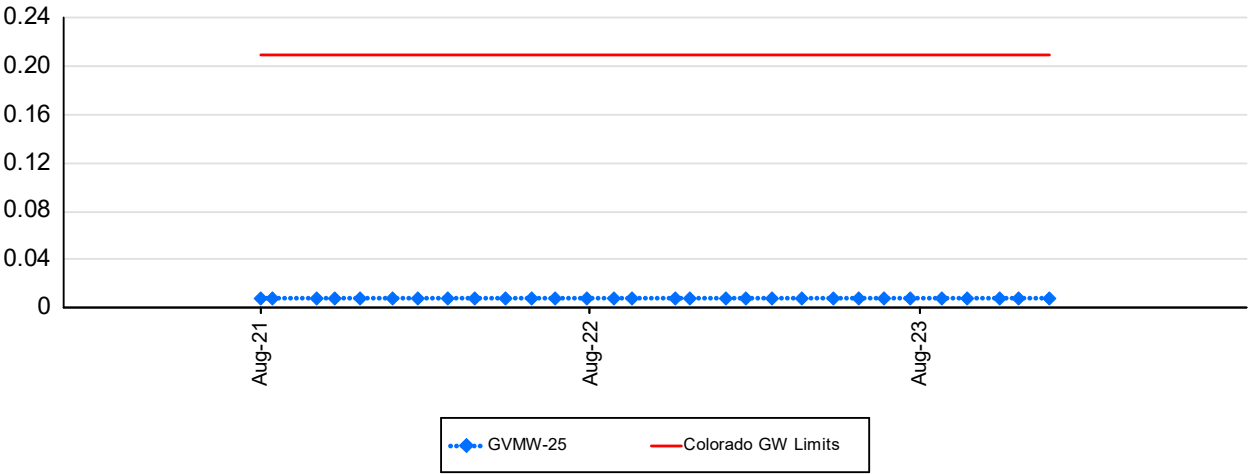
: Manganese - Dissolved (mg/L)



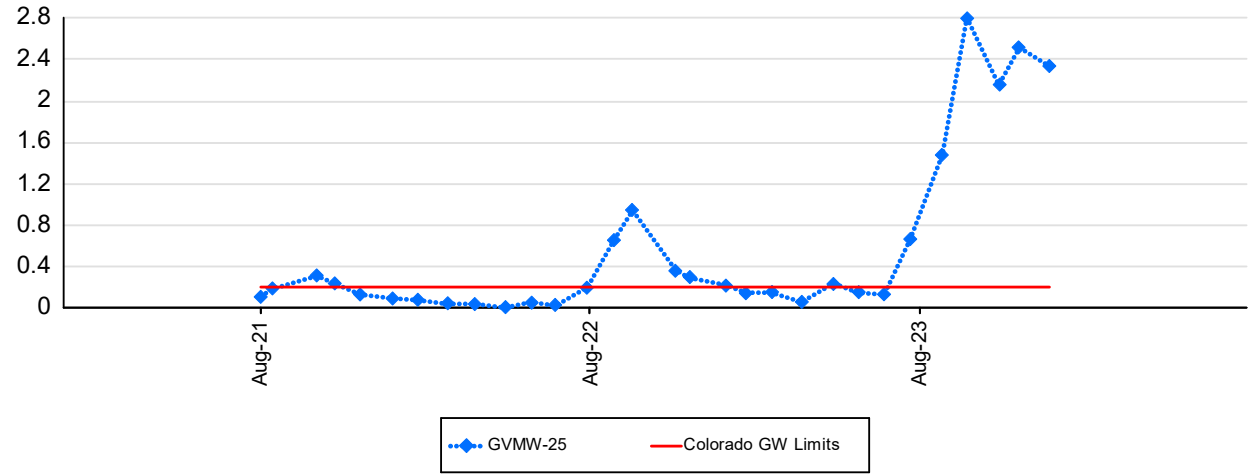
: Mercury - Dissolved (mg/L)



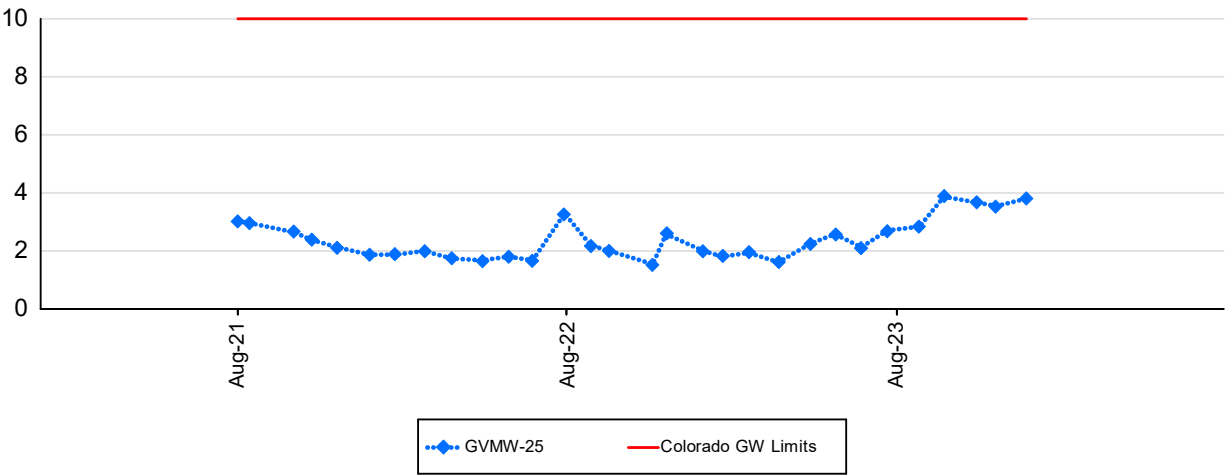
: Molybdenum - Dissolved (mg/L)



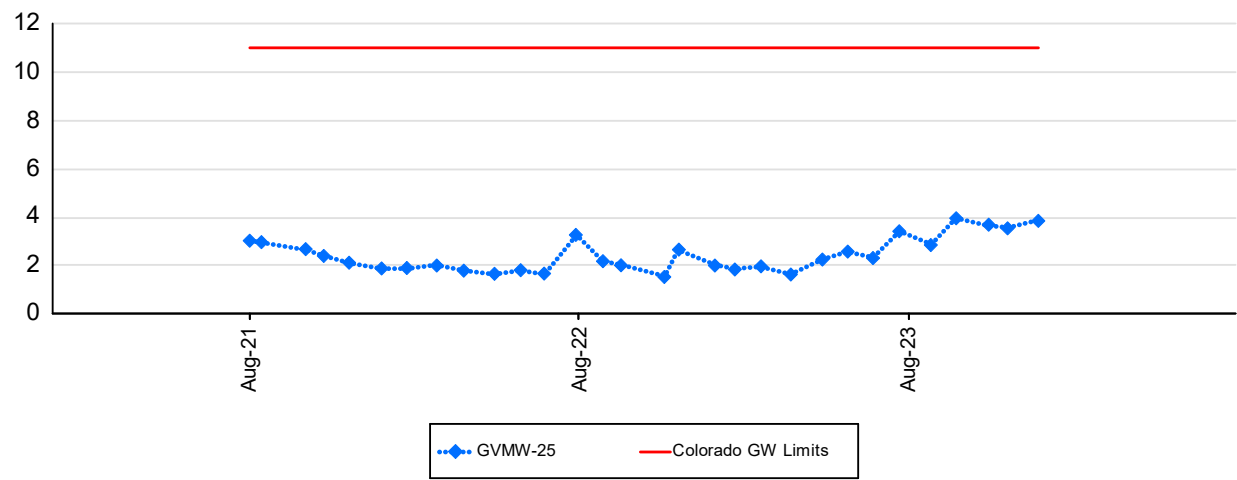
: Nickel - Dissolved (mg/L)



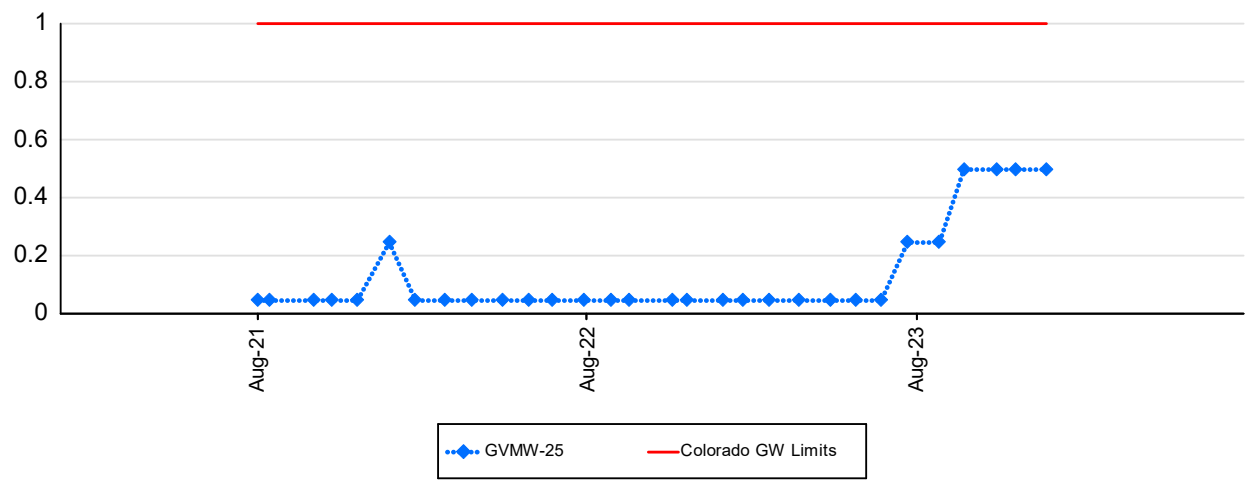
: Nitrate as Nitrogen (mg/L)



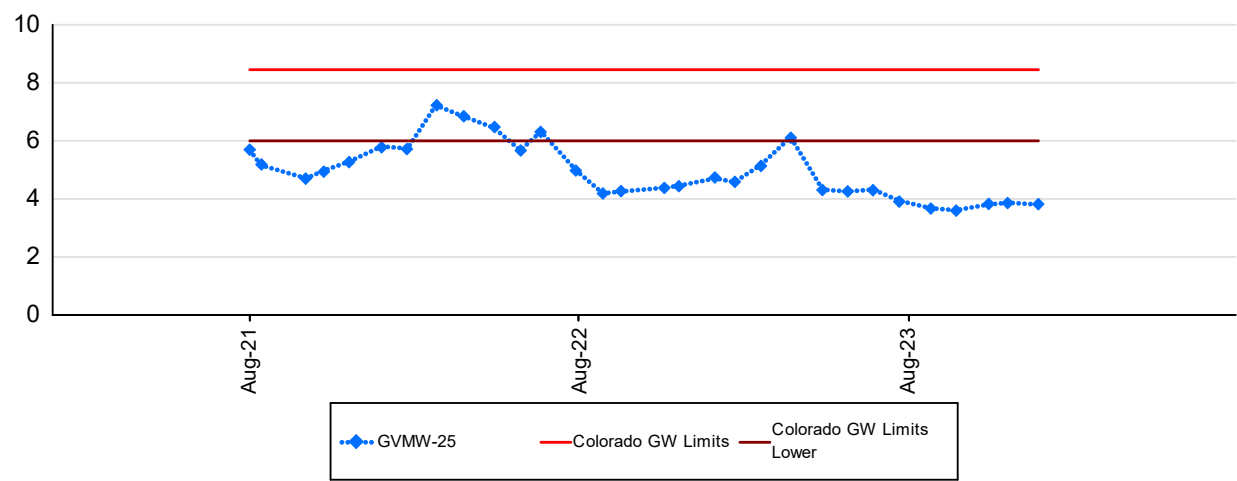
: Nitrite + Nitrate as Nitrogen (mg/L)

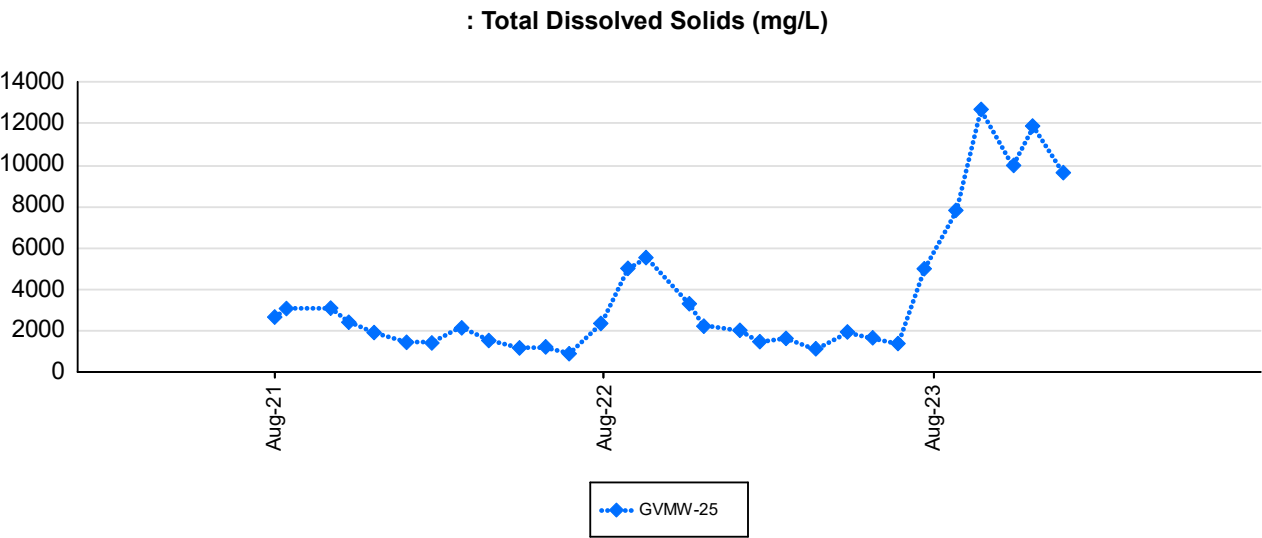
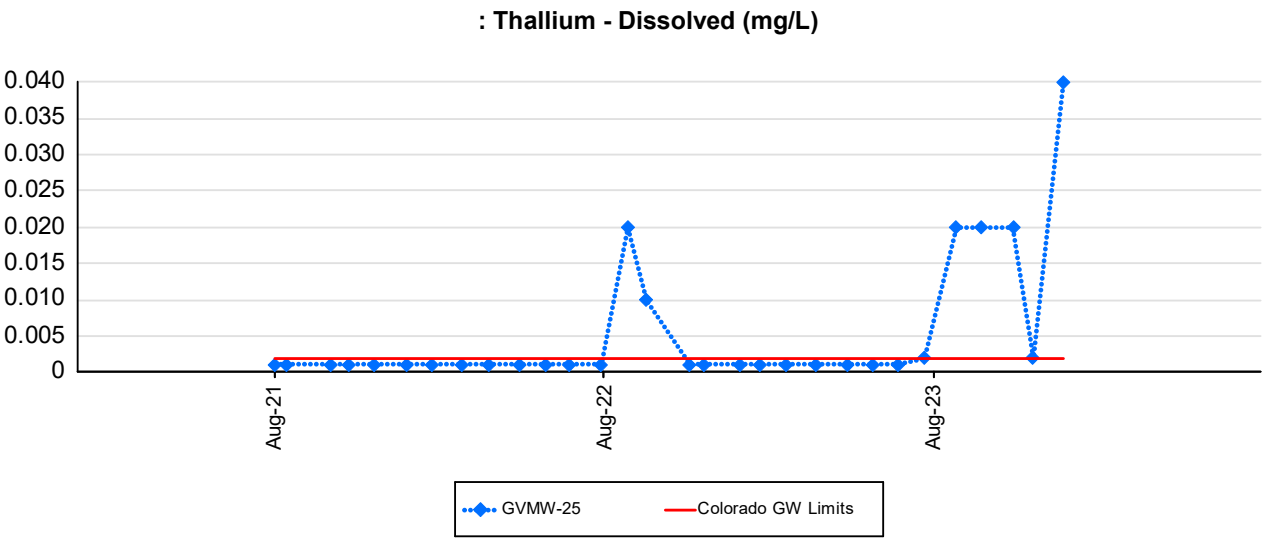
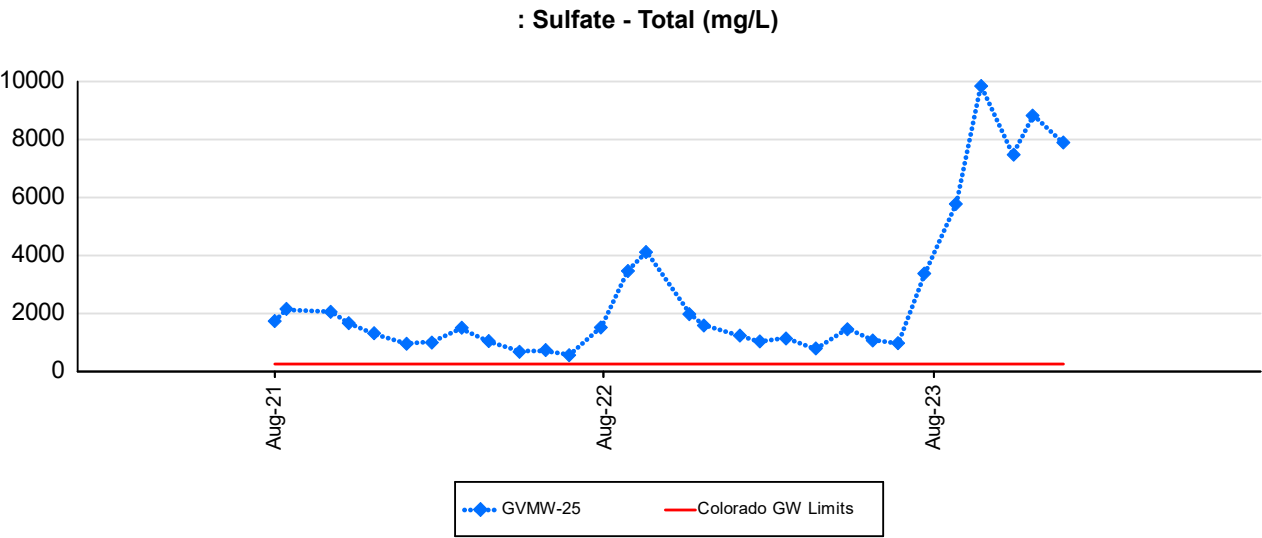


: Nitrite as Nitrogen (mg/L)

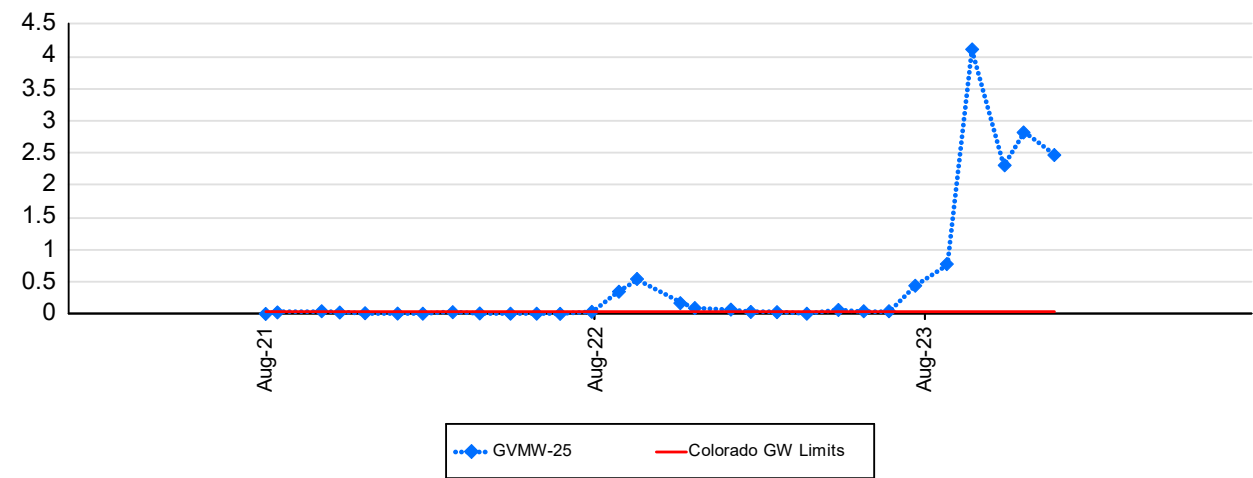


: pH Field (pH unit)

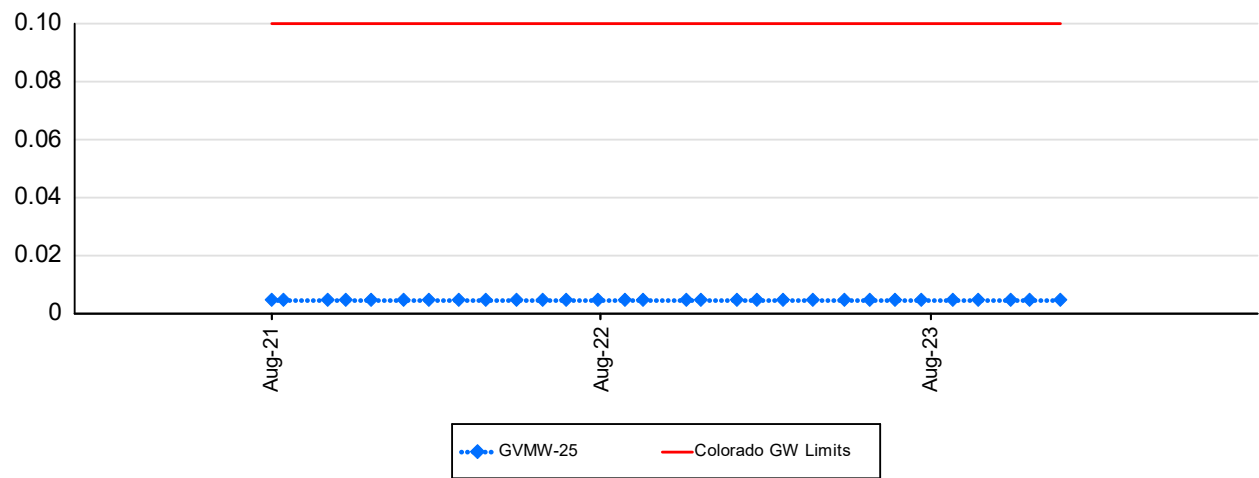




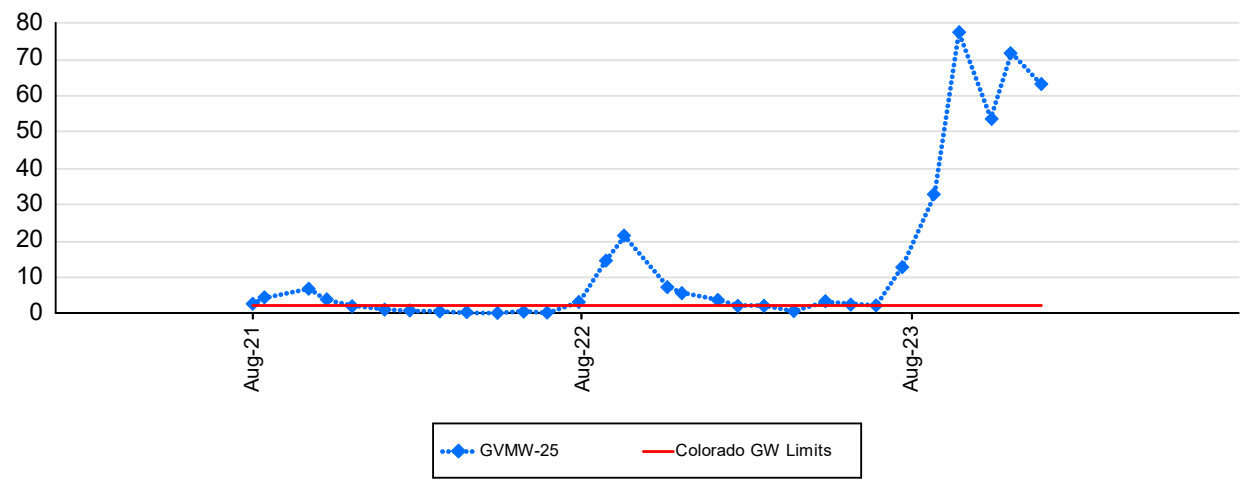
: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)





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Attachment 2

Laboratory Analytical Data

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-7A**

Sampled: 09-Jan-24 11:45

Received: 10-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0148-01 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	33.6	mg/L	0.100	0.069		X403056	SMU	01/22/24 13:56	
EPA 200.7	Magnesium	16.2	mg/L	0.500	0.090		X403056	SMU	01/22/24 13:56	
EPA 200.7	Potassium	0.81	mg/L	0.50	0.18		X403056	SMU	01/22/24 13:56	
SM 2340 B	Hardness (as CaCO3)	152	mg/L	2.31	0.543		N/A		01/22/24 13:56	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X401134	SMU	01/11/24 14:09	
EPA 200.7	Barium	0.153	mg/L	0.0020	0.0019		X401134	SMU	01/10/24 15:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X401134	SMU	01/10/24 15:44	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X401134	SMU	01/10/24 15:44	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X401134	SMU	01/10/24 15:44	
EPA 200.7	Calcium	34.2	mg/L	0.100	0.069		X401134	SMU	01/10/24 15:44	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X401134	SMU	01/10/24 15:44	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X401134	SMU	01/10/24 15:44	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X401134	SMU	01/10/24 15:44	
EPA 200.7	Iron	1.04	mg/L	0.100	0.056		X401134	SMU	01/10/24 15:44	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X401134	SMU	01/10/24 15:44	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X401134	SMU	01/10/24 15:44	
EPA 200.7	Magnesium	16.5	mg/L	0.500	0.090		X401134	SMU	01/10/24 15:44	
EPA 200.7	Manganese	0.181	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:44	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:44	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X401134	SMU	01/10/24 15:44	
EPA 200.7	Potassium	0.79	mg/L	0.50	0.18		X401134	SMU	01/10/24 15:44	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:44	
EPA 200.7	Sodium	8.99	mg/L	0.50	0.12		X401134	SMU	01/10/24 15:44	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:44	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X401134	SMU	01/10/24 15:44	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 13:23	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 13:23	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 13:23	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 13:23	
EPA 200.8	Uranium	0.00345	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 13:23	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 13:40	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 10:40	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 09:42	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X403019	DD	01/16/24 12:46	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:14	
SM 2310 B	Acidity to pH 8.3	-150	mg/L as CaCO3	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	152	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:04	
SM 2320 B	Bicarbonate	152	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:04	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:04	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:04	
SM 2540 C	Total Diss. Solids	212	mg/L	10			X402135	TJL	01/12/24 14:10	
SM 2540 D	Total Susp. Solids	5.0	mg/L	5.0			X402136	TJL	01/12/24 15:00	
SM 4500 H B	pH @17.3°C	7.3	pH Units				X402145	MWD	01/11/24 11:04	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 21



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-7A**SVL Sample ID: **X4A0148-01 (Ground Water)**

Sampled: 09-Jan-24 11:45

Received: 10-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	4.85	mg/L	0.20	0.02		X402128	RS	01/10/24 16:03	
EPA 300.0	Fluoride	0.972	mg/L	0.100	0.017		X402128	RS	01/10/24 16:03	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X402128	RS	01/10/24 16:03	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X402128	RS	01/10/24 16:03	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X402128	RS	01/10/24 16:03	
EPA 300.0	Sulfate as SO4	17.8	mg/L	0.30	0.18		X402128	RS	01/10/24 16:03	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.48 meq/L

Anion Sum: 3.60 meq/L

C/A Balance: -1.70 %

Calculated TDS: 175

TDS/cTDS: 1.21

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-7B**

Sampled: 09-Jan-24 10:53

Received: 10-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0148-03 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	86.9	mg/L	0.100	0.069		X403056	SMU	01/22/24 14:04	
EPA 200.7	Magnesium	43.7	mg/L	0.500	0.090		X403056	SMU	01/22/24 14:04	
EPA 200.7	Potassium	1.51	mg/L	0.50	0.18		X403056	SMU	01/22/24 14:04	
SM 2340 B	Hardness (as CaCO3)	391	mg/L	2.31	0.543		N/A		01/22/24 14:04	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X401134	SMU	01/11/24 14:16	
EPA 200.7	Barium	0.0397	mg/L	0.0020	0.0019		X401134	SMU	01/10/24 15:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X401134	SMU	01/10/24 15:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X401134	SMU	01/10/24 15:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X401134	SMU	01/10/24 15:51	
EPA 200.7	Calcium	86.0	mg/L	0.100	0.069		X401134	SMU	01/10/24 15:51	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X401134	SMU	01/10/24 15:51	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X401134	SMU	01/10/24 15:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X401134	SMU	01/10/24 15:51	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X401134	SMU	01/10/24 15:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X401134	SMU	01/10/24 15:51	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X401134	SMU	01/10/24 15:51	
EPA 200.7	Magnesium	42.9	mg/L	0.500	0.090		X401134	SMU	01/10/24 15:51	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:51	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:51	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X401134	SMU	01/10/24 15:51	
EPA 200.7	Potassium	1.40	mg/L	0.50	0.18		X401134	SMU	01/10/24 15:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:51	
EPA 200.7	Sodium	13.0	mg/L	0.50	0.12		X401134	SMU	01/10/24 15:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:51	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X401134	SMU	01/10/24 15:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 13:33	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 13:33	
EPA 200.8	Selenium	0.00102	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 13:33	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 13:33	
EPA 200.8	Uranium	0.0181	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 13:33	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 13:44	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 10:44	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 09:47	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X403019	DD	01/16/24 13:02	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:17	
SM 2310 B	Acidity to pH 8.3	-164	mg/L as CaCO3	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	169	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:15	
SM 2320 B	Bicarbonate	169	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:15	
SM 2540 C	Total Diss. Solids	467	mg/L	10			X402135	TJL	01/12/24 14:10	
SM 2540 D	Total Susp. Solids	6.0	mg/L	5.0			X402136	TJL	01/12/24 15:00	
SM 4500 H B	pH @17.6°C	7.4	pH Units				X402145	MWD	01/11/24 11:15	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 21



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-7B**SVL Sample ID: **X4A0148-03 (Ground Water)**

Sampled: 09-Jan-24 10:53

Received: 10-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	78.8	mg/L	2.00	0.22	10	X402128	RS	01/10/24 18:03	D2
EPA 300.0	Fluoride	0.440	mg/L	0.100	0.017		X402128	RS	01/10/24 17:46	
EPA 300.0	Nitrate as N	0.478	mg/L	0.050	0.013		X402128	RS	01/10/24 17:46	
EPA 300.0	Nitrate+Nitrite as N	0.478	mg/L	0.100	0.044		X402128	RS	01/10/24 17:46	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X402128	RS	01/10/24 17:46	
EPA 300.0	Sulfate as SO4	153	mg/L	3.00	1.80	10	X402128	RS	01/10/24 18:03	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 8.44 meq/L

Anion Sum: 8.84 meq/L

C/A Balance: -2.35 %

Calculated TDS: 480

TDS/cTDS: 0.97

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-25**

Sampled: 09-Jan-24 13:29

Received: 10-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0148-04 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	492	mg/L	2.00	1.38	20	X403056	SMU	01/22/24 16:13	D2
EPA 200.7	Magnesium	418	mg/L	0.500	0.090		X403056	SMU	01/22/24 14:08	
EPA 200.7	Potassium	8.14	mg/L	0.50	0.18		X403056	SMU	01/22/24 14:08	
SM 2340 B	Hardness (as CaCO3)	2890	mg/L	2.31	0.543		N/A		01/10/24 15:55	

Metals (Dissolved)

EPA 200.7	Aluminum	766	mg/L	0.080	0.054		X401134	SMU	01/11/24 14:20	
EPA 200.7	Barium	0.0138	mg/L	0.0020	0.0019		X401134	SMU	01/10/24 15:55	
EPA 200.7	Beryllium	0.480	mg/L	0.00200	0.00080		X401134	SMU	01/10/24 15:55	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X401134	SMU	01/10/24 15:55	
EPA 200.7	Cadmium	1.63	mg/L	0.0020	0.0016		X401134	SMU	01/10/24 15:55	
EPA 200.7	Calcium	469	mg/L	0.100	0.069		X401134	SMU	01/10/24 15:55	
EPA 200.7	Chromium	0.0877	mg/L	0.0060	0.0020		X401134	SMU	01/10/24 15:55	
EPA 200.7	Cobalt	1.82	mg/L	0.0060	0.0046		X401134	SMU	01/10/24 15:55	
EPA 200.7	Copper	2.88	mg/L	0.0100	0.0027		X401134	SMU	01/10/24 15:55	
EPA 200.7	Iron	0.878	mg/L	0.100	0.056		X401134	SMU	01/10/24 15:55	
EPA 200.7	Lead	0.0247	mg/L	0.0075	0.0049		X401134	SMU	01/10/24 15:55	
EPA 200.7	Lithium	0.217	mg/L	0.040	0.025		X401134	SMU	01/10/24 15:55	
EPA 200.7	Magnesium	388	mg/L	0.500	0.090		X401134	SMU	01/10/24 15:55	
EPA 200.7	Manganese	205	mg/L	0.0800	0.0340	10	X401134	SMU	01/11/24 14:34	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:55	
EPA 200.7	Nickel	2.34	mg/L	0.0100	0.0048		X401134	SMU	01/10/24 15:55	
EPA 200.7	Potassium	8.28	mg/L	0.50	0.18		X401134	SMU	01/10/24 15:55	
EPA 200.7	Silver	0.0329	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:55	
EPA 200.7	Sodium	45.4	mg/L	0.50	0.12		X401134	SMU	01/10/24 15:55	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:55	
EPA 200.7	Zinc	63.3	mg/L	0.100	0.0540	10	X401134	SMU	01/11/24 14:34	D2
EPA 200.8	Antimony	< 0.200	mg/L	0.200	0.144	200	X403180	SMU	01/25/24 09:51	D1
EPA 200.8	Arsenic	< 0.200	mg/L	0.200	0.0420	200	X403180	SMU	01/25/24 09:51	D1
EPA 200.8	Selenium	< 0.200	mg/L	0.200	0.0480	200	X403180	SMU	01/25/24 09:51	D1
EPA 200.8	Thallium	< 0.0400	mg/L	0.0400	0.0160	200	X403180	SMU	01/25/24 09:51	D1
EPA 200.8	Uranium	2.47	mg/L	0.0100	0.00520	100	X403180	SMU	01/24/24 14:56	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 13:46	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 10:46	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 09:50	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X403019	DD	01/16/24 13:05	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:18	
SM 2310 B	Acidity to pH 8.3	4870	mg/L as CaCO3	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:21	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:21	
SM 2540 C	Total Diss. Solids	9650	mg/L	100			X402135	TJL	01/12/24 14:10	D2
SM 2540 D	Total Susp. Solids	50.0	mg/L	5.0			X402136	TJL	01/12/24 15:00	
SM 4500 H B	pH @17.9°C	3.7	pH Units				X402145	MWD	01/11/24 11:21	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 21



One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Work Order: **X4A0148**
Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4A0148-04 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 09-Jan-24 13:29
Received: 10-Jan-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	25.1	mg/L	2.00	0.22	10	X402128	RS	01/10/24 16:38	D2
EPA 300.0	Fluoride	12.1	mg/L	1.00	0.170	10	X402128	RS	01/10/24 16:38	D2
EPA 300.0	Nitrate as N	3.83	mg/L	0.500	0.130	10	X402128	RS	01/10/24 16:38	D1
EPA 300.0	Nitrate+Nitrite as N	3.86	mg/L	1.00	0.440	10	X402128	RS	01/10/24 16:38	D1
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X402128	RS	01/10/24 16:38	D1
EPA 300.0	Sulfate as SO4	7920	mg/L	75.0	45.0	250	X402128	RS	01/10/24 16:55	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 155 meq/L

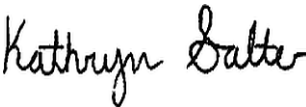
Anion Sum: 167 meq/L

C/A Balance: -3.61 %

Calculated TDS: 8911

TDS/cTDS: 1.08

This data has been reviewed for accuracy and has been authorized for release.



Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X403056	22-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X403056	22-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X403056	22-Jan-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X401134	10-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X401134	10-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X401134	10-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X401134	10-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X401134	10-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X401134	10-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X401134	10-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X401134	10-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X401134	10-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X401134	10-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X401134	10-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X401134	10-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X401134	10-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X401134	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X401134	10-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X401134	10-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X401134	10-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X401134	10-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X401134	10-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X401134	10-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X401134	10-Jan-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403019	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X402135	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X402136	12-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X402128	10-Jan-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X402128	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X402128	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X402128	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X402128	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X402128	10-Jan-24	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	19.3	20.0	96	85 - 115	X403056	22-Jan-24	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X403056	22-Jan-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X403056	22-Jan-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	0.940	1.00	94.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.967	1.00	96.7	85 - 115	X401134	10-Jan-24	
EPA 200.7	Boron	mg/L	0.990	1.00	99.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Calcium	mg/L	18.9	20.0	94.3	85 - 115	X401134	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.971	1.00	97.1	85 - 115	X401134	10-Jan-24	
EPA 200.7	Copper	mg/L	0.995	1.00	99.5	85 - 115	X401134	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Lead	mg/L	0.980	1.00	98.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.962	1.00	96.2	85 - 115	X401134	10-Jan-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X401134	10-Jan-24	
EPA 200.7	Manganese	mg/L	0.966	1.00	96.6	85 - 115	X401134	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.964	1.00	96.4	85 - 115	X401134	10-Jan-24	
EPA 200.7	Nickel	mg/L	0.990	1.00	99.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	96.9	85 - 115	X401134	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0516	0.0500	103	85 - 115	X401134	10-Jan-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.6	85 - 115	X401134	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.04	1.00	104	85 - 115	X401134	10-Jan-24	
EPA 200.7	Zinc	mg/L	0.988	1.00	98.8	85 - 115	X401134	10-Jan-24	
EPA 200.8	Antimony	mg/L	0.0232	0.0250	92.9	85 - 115	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.0	85 - 115	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0234	0.0250	93.7	85 - 115	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0233	0.0250	93.3	85 - 115	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0226	0.0250	90.5	85 - 115	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00199	0.00200	99.7	85 - 115	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.100	110	90 - 110	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.924	1.00	92.4	90 - 110	X403019	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	0.100	100	90 - 110	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1580	1640	96.6	95.4 - 104	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	96.4 - 105	X402145	11-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.4	99.3	99.1	96.4 - 105	X402145	11-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	396	397	99.6	96.4 - 105	X402145	11-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X402136	12-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.07	3.00	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.02	2.00	101	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.61	4.50	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X402128	10-Jan-24	

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO ₃	<10.0	<10.0	UDL	20	X403136 - X4A0148-01	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	152	152	0.3	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	152	152	0.3	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402145 - X4A0148-02	11-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	270	272	0.7	10	X402135 - X4A0137-02	12-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	481	467	3.0	10	X402135 - X4A0148-03	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X402136 - X4A0137-02	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X402136 - X4A0148-03	12-Jan-24	
SM 4500 H B	pH @17.3°C	pH Units	7.3	7.4	1.2	20	X402145 - X4A0148-02	11-Jan-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	39.7	20.0	20.0	98	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Calcium	mg/L	72.7	51.7	20.0	105	70 - 130	X403056 - X4A0174-03	22-Jan-24	
EPA 200.7	Magnesium	mg/L	27.3	6.37	20.0	104	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Magnesium	mg/L	23.1	1.59	20.0	108	70 - 130	X403056 - X4A0174-03	22-Jan-24	
EPA 200.7	Potassium	mg/L	21.0	1.21	20.0	99.1	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Potassium	mg/L	25.3	4.98	20.0	101	70 - 130	X403056 - X4A0174-03	22-Jan-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.932	<0.080	1.00	93.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Aluminum	mg/L	0.960	<0.080	1.00	96.0	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Barium	mg/L	1.05	0.0389	1.00	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.975	<0.00200	1.00	97.5	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.974	<0.00200	1.00	97.4	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Calcium	mg/L	64.8	46.1	20.0	93.6	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Calcium	mg/L	19.2	<0.100	20.0	95.9	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.02	<0.0060	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.990	<0.0060	1.00	99.0	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Lead	mg/L	0.983	<0.0075	1.00	98.3	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Lead	mg/L	1.01	<0.0075	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.987	<0.040	1.00	98.7	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.976	<0.040	1.00	97.6	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Magnesium	mg/L	30.6	11.0	20.0	98.0	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Maenesium	mg/L	19.9	<0.500	20.0	99.5	70 - 130	X401134 - X4A0148-07	10-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 18 of 21

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.993	0.0216	1.00	97.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Manganese	mg/L	0.981	<0.0080	1.00	98.1	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.964	<0.0080	1.00	96.4	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Nickel	mg/L	0.982	<0.0100	1.00	98.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Potassium	mg/L	22.5	2.44	20.0	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	98.9	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0517	<0.0050	0.0500	103	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0527	<0.0050	0.0500	105	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Sodium	mg/L	51.9	33.4	19.0	97.6	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Sodium	mg/L	20.1	1.12	19.0	99.8	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Zinc	mg/L	1.00	<0.0100	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.7	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00500	0.0250	115	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Arsenic	mg/L	0.0238	<0.00100	0.0250	95.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0294	<0.00500	0.0250	118	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	92.6	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00500	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Thallium	mg/L	0.0225	<0.000200	0.0250	90.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0286	<0.00100	0.0250	114	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Uranium	mg/L	0.0297	0.00423	0.0250	102	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0335	0.00345	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X403062 - X4A0148-01	22-Jan-24	
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	103	70 - 130	X403062 - X4A0166-01	22-Jan-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X403129 - X4A0062-01	19-Jan-24	R2B
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X403028 - X4A0148-01	17-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X403028 - X4A0148-02	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.995	<0.030	1.00	98.0	90 - 110	X403019 - X4A0148-01	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.933	<0.030	1.00	92.0	90 - 110	X403019 - X4A0148-02	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	97.0	82 - 118	X403005 - X4A0062-01	22-Jan-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.21	<0.20	3.00	103	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Chloride	mg/L	3.17	<0.20	3.00	102	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.07	<0.100	2.00	102	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.04	<0.100	2.00	101	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	101	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.16	<0.100	4.00	104	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	<0.100	4.00	103	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.11	<0.050	2.00	105	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	11.1	0.50	10.0	106	90 - 110	X402128 - X4A0148-06	10-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 19 of 21

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
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Anions by Ion Chromatography (Continued)

EPA 300.0	Sulfate as SO4	mg/L	10.7	<0.30	10.0	104	90 - 110	X402128 - X4A0148-07	10-Jan-24	
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Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	38.8	39.7	20.0	2.0	20	94	X403056 - X4A0146-01	
EPA 200.7	Magnesium	mg/L	26.4	27.3	20.0	3.2	20	100	X403056 - X4A0146-01	
EPA 200.7	Potassium	mg/L	20.6	21.0	20.0	1.9	20	97.1	X403056 - X4A0146-01	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	0.968	0.932	1.00	3.7	20	96.8	X401134 - X4A0062-01	
EPA 200.7	Barium	mg/L	1.07	1.05	1.00	1.8	20	103	X401134 - X4A0062-01	
EPA 200.7	Beryllium	mg/L	0.992	0.975	1.00	1.7	20	99.2	X401134 - X4A0062-01	
EPA 200.7	Boron	mg/L	1.05	1.04	1.00	1.6	20	102	X401134 - X4A0062-01	
EPA 200.7	Cadmium	mg/L	1.04	1.03	1.00	0.8	20	104	X401134 - X4A0062-01	
EPA 200.7	Calcium	mg/L	66.4	64.8	20.0	2.4	20	101	X401134 - X4A0062-01	
EPA 200.7	Chromium	mg/L	1.02	1.01	1.00	0.9	20	102	X401134 - X4A0062-01	
EPA 200.7	Cobalt	mg/L	0.977	0.972	1.00	0.5	20	97.7	X401134 - X4A0062-01	
EPA 200.7	Copper	mg/L	1.01	1.00	1.00	0.7	20	101	X401134 - X4A0062-01	
EPA 200.7	Iron	mg/L	10.3	10.1	10.0	1.6	20	103	X401134 - X4A0062-01	
EPA 200.7	Lead	mg/L	0.988	0.983	1.00	0.5	20	98.8	X401134 - X4A0062-01	
EPA 200.7	Lithium	mg/L	1.01	0.987	1.00	2.5	20	101	X401134 - X4A0062-01	
EPA 200.7	Magnesium	mg/L	31.1	30.6	20.0	1.7	20	101	X401134 - X4A0062-01	
EPA 200.7	Manganese	mg/L	1.01	0.993	1.00	2.1	20	99.3	X401134 - X4A0062-01	
EPA 200.7	Molybdenum	mg/L	0.974	0.964	1.00	1.1	20	97.4	X401134 - X4A0062-01	
EPA 200.7	Nickel	mg/L	0.988	0.982	1.00	0.6	20	98.8	X401134 - X4A0062-01	
EPA 200.7	Potassium	mg/L	22.8	22.5	20.0	1.7	20	102	X401134 - X4A0062-01	
EPA 200.7	Silver	mg/L	0.0527	0.0517	0.0500	1.9	20	105	X401134 - X4A0062-01	
EPA 200.7	Sodium	mg/L	52.8	51.9	19.0	1.6	20	102	X401134 - X4A0062-01	
EPA 200.7	Vanadium	mg/L	1.05	1.05	1.00	0.3	20	105	X401134 - X4A0062-01	
EPA 200.7	Zinc	mg/L	1.01	1.00	1.00	0.4	20	101	X401134 - X4A0062-01	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00196	0.00202	0.00200	3.3	20	97.8	X403062 - X4A0148-01	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.113	0.100	0.100	12.2	11	113	X403129 - X4A0062-01	R2B
EPA 335.4	Cyanide (total)	mg/L	0.103	0.101	0.100	2.3	20	103	X403028 - X4A0148-01	
EPA 350.1	Ammonia as N	mg/L	1.00	0.995	1.00	1.0	20	99.0	X403019 - X4A0148-01	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	0.100	1.0	11	98.0	X403005 - X4A0062-01	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.28	3.21	3.00	2.1	20	105	X402128 - X4A0148-06	
EPA 300.0	Fluoride	mg/L	2.10	2.07	2.00	1.5	20	104	X402128 - X4A0148-06	
EPA 300.0	Nitrate as N	mg/L	2.08	2.05	2.00	1.5	20	104	X402128 - X4A0148-06	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.22	4.16	4.00	1.5	20	106	X402128 - X4A0148-06	
EPA 300.0	Nitrite as N	mg/L	2.14	2.11	2.00	1.5	20	107	X402128 - X4A0148-06	
EPA 300.0	Sulfate as SO4	mg/L	11.2	11.1	10.0	1.2	20	107	X402128 - X4A0148-06	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0166**

Reported: 25-Jan-24 12:56

Client Sample ID: **GVMW-15 B**

Sampled: 10-Jan-24 11:33

Received: 11-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0166-03 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	49.8	mg/L	0.100	0.069		X403057	SMU	01/23/24 16:30	
EPA 200.7	Magnesium	26.4	mg/L	0.500	0.090		X403057	SMU	01/23/24 16:30	
EPA 200.7	Potassium	2.36	mg/L	0.50	0.18		X403057	SMU	01/23/24 16:30	
sm 2340B	Hardness (as CaCO3)	236	mg/L	2.31	0.543		N/A		01/24/24 12:24	

Metals (Dissolved)

EPA 200.7	Aluminum	0.625	mg/L	0.080	0.054		X404014	JRR	01/24/24 12:24	
EPA 200.7	Barium	0.0123	mg/L	0.0020	0.0019		X404014	JRR	01/24/24 12:24	
EPA 200.7	Beryllium	0.0436	mg/L	0.00200	0.00080		X404014	JRR	01/24/24 12:24	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X404014	JRR	01/24/24 12:24	
EPA 200.7	Cadmium	0.0036	mg/L	0.0020	0.0016		X404014	JRR	01/24/24 12:24	
EPA 200.7	Calcium	50.9	mg/L	0.100	0.069		X404014	JRR	01/24/24 12:24	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X404014	JRR	01/24/24 12:24	
EPA 200.7	Cobalt	0.0869	mg/L	0.0060	0.0046		X404014	JRR	01/24/24 12:24	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X404014	JRR	01/24/24 12:24	
EPA 200.7	Iron	24.5	mg/L	0.100	0.056		X404014	JRR	01/24/24 12:24	
EPA 200.7	Lead	0.0547	mg/L	0.0075	0.0049		X404014	JRR	01/24/24 12:24	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X404014	JRR	01/24/24 12:24	
EPA 200.7	Magnesium	28.0	mg/L	0.500	0.090		X404014	JRR	01/24/24 12:24	
EPA 200.7	Manganese	1.58	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:24	
EPA 200.7	Nickel	0.137	mg/L	0.0100	0.0048		X404014	JRR	01/24/24 12:24	
EPA 200.7	Potassium	2.43	mg/L	0.50	0.18		X404014	JRR	01/24/24 12:24	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:24	
EPA 200.7	Sodium	13.4	mg/L	0.50	0.12		X404014	JRR	01/24/24 12:24	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:24	
EPA 200.7	Zinc	1.99	mg/L	0.0100	0.0054		X404014	JRR	01/24/24 12:24	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 13:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 13:56	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 13:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 13:56	
EPA 200.8	Uranium	0.00561	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 14:37	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 14:09	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 13:22	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 10:25	
EPA 350.1	Ammonia as N	0.031	mg/L	0.030	0.013		X403020	DD	01/16/24 14:30	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:33	
SM 2310 B	Acidity to pH 8.3	42.0	mg/L as CaCO3	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X402165	MWD	01/12/24 13:42	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X402165	MWD	01/12/24 13:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X402165	MWD	01/12/24 13:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X402165	MWD	01/12/24 13:42	
SM 2540 C	Total Diss. Solids	479	mg/L	10			X402161	TJL	01/15/24 13:55	
SM 2540 D	Total Susp. Solids	8.0	mg/L	5.0			X402162	TJL	01/15/24 14:30	
SM 4500 H B	pH @18.8°C	3.9	pH Units				X402165	MWD	01/12/24 13:42	H5



One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Work Order: **X4A0166**
Reported: 25-Jan-24 12:56

Client Sample ID: **GVMW-15 B**
SVL Sample ID: **X4A0166-03 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 10-Jan-24 11:33
Received: 11-Jan-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.52	mg/L	0.20	0.02		X402151	RS	01/11/24 17:34	
EPA 300.0	Fluoride	0.492	mg/L	0.100	0.017		X402151	RS	01/11/24 17:34	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X402151	RS	01/11/24 17:34	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X402151	RS	01/11/24 17:34	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X402151	RS	01/11/24 17:34	
EPA 300.0	Sulfate as SO4	315	mg/L	3.00	1.80	10	X402151	RS	01/11/24 17:53	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 6.37 meq/L

Anion Sum: 6.62 meq/L

C/A Balance: -1.92 %

Calculated TDS: 409

TDS/cTDS: 1.17

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter

Kathryn Salter
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0166**

Reported: 25-Jan-24 12:56

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X403057	23-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X403057	23-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X403057	23-Jan-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 14



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0166**

Reported: 25-Jan-24 12:56

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Dissolved) (Continued)

EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403020	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X402165	12-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X402165	12-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X402165	12-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X402165	12-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X402161	15-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X402162	15-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X402151	11-Jan-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X402151	11-Jan-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X402151	11-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X402151	11-Jan-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X402151	11-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X402151	11-Jan-24	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0166

Reported:

25-Jan-24 12:56

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	19.7	20.0	99	85 - 115	X403057	23-Jan-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.4	85 - 115	X403057	23-Jan-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.8	85 - 115	X403057	23-Jan-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.989	1.00	98.9	85 - 115	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	0.991	1.00	99.1	85 - 115	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.993	1.00	99.3	85 - 115	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	0.985	1.00	98.5	85 - 115	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	10.3	10.0	103	85 - 115	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	0.988	1.00	98.8	85 - 115	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	1.00	1.00	100	85 - 115	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.976	1.00	97.6	85 - 115	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.996	1.00	99.6	85 - 115	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0507	0.0500	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	19.2	19.0	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.992	1.00	99.2	85 - 115	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0232	0.0250	92.9	85 - 115	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.0	85 - 115	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0234	0.0250	93.7	85 - 115	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0233	0.0250	93.3	85 - 115	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0226	0.0250	90.5	85 - 115	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00199	0.00200	99.7	85 - 115	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.100	110	90 - 110	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.915	1.00	91.5	90 - 110	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.925	1.00	92.5	90 - 110	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.924	1.00	92.4	90 - 110	X403020	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.949	1.00	94.9	90 - 110	X403020	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	0.100	100	90 - 110	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1580	1640	96.6	95.4 - 104	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	96.4 - 105	X402165	12-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.5	99.3	99.2	96.4 - 105	X402165	12-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	396	397	99.6	96.4 - 105	X402165	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X402162	15-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	2.99	3.00	99.7	90 - 110	X402151	11-Jan-24	
EPA 300.0	Fluoride	mg/L	2.02	2.00	101	90 - 110	X402151	11-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X402151	11-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.57	4.50	102	90 - 110	X402151	11-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.54	2.50	102	90 - 110	X402151	11-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X402151	11-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 14

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0166

Reported:

25-Jan-24 12:56

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO ₃	<10.0	<10.0	UDL	20	X403136 - X4A0148-01	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	71.7	71.9	0.3	20	X402165 - X4A0162-02	12-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	71.7	71.9	0.3	20	X402165 - X4A0162-02	12-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402165 - X4A0162-02	12-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402165 - X4A0162-02	12-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	190	202	6.1	10	X402161 - X4A0174-02	15-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	294	291	1.0	10	X402161 - X4A0162-02	15-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X402162 - X4A0162-02	15-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X402162 - X4A0174-02	15-Jan-24	
SM 4500 H B	pH @17.6°C	pH Units	7.6	7.6	0.4	20	X402165 - X4A0162-02	12-Jan-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	80.7	61.3	20.0	97	70 - 130	X403057 - X4A0166-01	23-Jan-24	
EPA 200.7	Calcium	mg/L	62.6	43.0	20.0	98	70 - 130	X403057 - X4A0179-01	23-Jan-24	
EPA 200.7	Magnesium	mg/L	34.0	14.5	20.0	97.7	70 - 130	X403057 - X4A0166-01	23-Jan-24	
EPA 200.7	Magnesium	mg/L	34.4	14.5	20.0	99.3	70 - 130	X403057 - X4A0179-01	23-Jan-24	
EPA 200.7	Potassium	mg/L	21.5	1.58	20.0	99.4	70 - 130	X403057 - X4A0166-01	23-Jan-24	
EPA 200.7	Potassium	mg/L	23.0	3.35	20.0	98.1	70 - 130	X403057 - X4A0179-01	23-Jan-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.05	<0.080	1.00	105	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Barium	mg/L	1.08	0.0660	1.00	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.994	<0.00200	1.00	99.4	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.985	<0.00200	1.00	98.5	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	103	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Boron	mg/L	0.982	<0.0400	1.00	97.2	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.01	<0.0020	1.00	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Calcium	mg/L	69.4	48.0	20.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Calcium	mg/L	81.3	62.5	20.0	94.0	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Chromium	mg/L	0.997	<0.0060	1.00	99.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.989	<0.0060	1.00	98.9	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.975	<0.0060	1.00	97.5	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Copper	mg/L	0.987	<0.0100	1.00	98.3	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Copper	mg/L	0.994	<0.0100	1.00	99.4	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Iron	mg/L	10.7	<0.100	10.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Iron	mg/L	10.3	0.100	10.0	102	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Lead	mg/L	0.991	<0.0075	1.00	99.1	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	105	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Lithium	mg/L	0.999	<0.040	1.00	99.9	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Magnesium	mg/L	27.2	6.31	20.0	104	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Magnesium	mg/L	35.2	15.7	20.0	97.8	70 - 130	X404014 - X4A0166-01	24-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 11 of 14

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0166

Reported:

25-Jan-24 12:56

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.01	<0.0080	1.00	100	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Manganese	mg/L	1.04	0.0544	1.00	98.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.980	<0.0080	1.00	98.0	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.977	<0.0080	1.00	97.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.989	<0.0100	1.00	98.9	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.974	<0.0100	1.00	97.4	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Potassium	mg/L	22.1	0.80	20.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Potassium	mg/L	22.2	1.63	20.0	103	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0530	<0.0050	0.0500	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0507	<0.0050	0.0500	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Sodium	mg/L	43.9	23.8	19.0	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Sodium	mg/L	29.9	11.0	19.0	99.6	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.996	<0.0050	1.00	99.6	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.03	<0.0100	1.00	103	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.00	<0.0100	1.00	100	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.7	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00500	0.0250	115	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Arsenic	mg/L	0.0238	<0.00100	0.0250	95.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0294	<0.00500	0.0250	118	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	92.6	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00500	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Thallium	mg/L	0.0225	<0.000200	0.0250	90.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0286	<0.00100	0.0250	114	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Uranium	mg/L	0.0297	0.00423	0.0250	102	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0335	0.00345	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X403062 - X4A0148-01	22-Jan-24	
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	103	70 - 130	X403062 - X4A0166-01	22-Jan-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X403129 - X4A0062-01	19-Jan-24	R2B
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X403028 - X4A0148-01	17-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X403028 - X4A0148-02	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.950	<0.030	1.00	93.4	90 - 110	X403020 - X4A0166-01	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	97.0	82 - 118	X403005 - X4A0062-01	22-Jan-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.13	1.03	3.00	103	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Chloride	mg/L	3.86	0.72	3.00	104	90 - 110	X402151 - X4A0177-04	12-Jan-24	
EPA 300.0	Fluoride	mg/L	2.76	0.752	2.00	101	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Fluoride	mg/L	2.07	<0.100	2.00	101	90 - 110	X402151 - X4A0177-04	12-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.35	0.256	2.00	104	90 - 110	X402151 - X4A0177-04	12-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.92	<0.100	4.00	98.1	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.43	0.256	4.00	104	90 - 110	X402151 - X4A0177-04	12-Jan-24	
EPA 300.0	Nitrite as N	mg/L	1.90	<0.050	2.00	94.8	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X402151 - X4A0177-04	12-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	34.6	24.5	10.0	101	90 - 110	X402151 - X4A0166-01	11-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	12.4	1.56	10.0	108	90 - 110	X402151 - X4A0177-04	12-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 14

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0166**

Reported: 25-Jan-24 12:56

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	80.6	80.7	20.0	0.1	20	97	X403057 - X4A0166-01	
EPA 200.7	Magnesium	mg/L	34.1	34.0	20.0	0.3	20	98.2	X403057 - X4A0166-01	
EPA 200.7	Potassium	mg/L	21.4	21.5	20.0	0.3	20	99.0	X403057 - X4A0166-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.05	1.00	3.7	20	101	X404014 - X4A0257-01	
EPA 200.7	Barium	mg/L	1.02	1.06	1.00	4.0	20	102	X404014 - X4A0257-01	
EPA 200.7	Beryllium	mg/L	0.978	0.994	1.00	1.7	20	97.8	X404014 - X4A0257-01	
EPA 200.7	Boron	mg/L	0.996	1.04	1.00	4.3	20	98.2	X404014 - X4A0257-01	
EPA 200.7	Cadmium	mg/L	0.997	1.02	1.00	2.2	20	99.7	X404014 - X4A0257-01	
EPA 200.7	Calcium	mg/L	68.7	69.4	20.0	1.0	20	104	X404014 - X4A0257-01	
EPA 200.7	Chromium	mg/L	0.985	1.01	1.00	2.8	20	98.5	X404014 - X4A0257-01	
EPA 200.7	Cobalt	mg/L	0.966	0.989	1.00	2.4	20	96.6	X404014 - X4A0257-01	
EPA 200.7	Copper	mg/L	0.974	0.987	1.00	1.3	20	97.0	X404014 - X4A0257-01	
EPA 200.7	Iron	mg/L	10.2	10.7	10.0	4.2	20	102	X404014 - X4A0257-01	
EPA 200.7	Lead	mg/L	0.974	1.00	1.00	2.9	20	97.4	X404014 - X4A0257-01	
EPA 200.7	Lithium	mg/L	1.00	1.05	1.00	4.4	20	100	X404014 - X4A0257-01	
EPA 200.7	Magnesium	mg/L	26.3	27.2	20.0	3.4	20	99.8	X404014 - X4A0257-01	
EPA 200.7	Manganese	mg/L	0.990	1.01	1.00	1.8	20	98.2	X404014 - X4A0257-01	
EPA 200.7	Molybdenum	mg/L	0.960	0.980	1.00	2.0	20	96.0	X404014 - X4A0257-01	
EPA 200.7	Nickel	mg/L	0.966	0.989	1.00	2.3	20	96.6	X404014 - X4A0257-01	
EPA 200.7	Potassium	mg/L	21.2	22.1	20.0	4.3	20	102	X404014 - X4A0257-01	
EPA 200.7	Silver	mg/L	0.0509	0.0530	0.0500	4.0	20	102	X404014 - X4A0257-01	
EPA 200.7	Sodium	mg/L	43.2	43.9	19.0	1.6	20	102	X404014 - X4A0257-01	
EPA 200.7	Vanadium	mg/L	0.977	0.996	1.00	2.0	20	97.7	X404014 - X4A0257-01	
EPA 200.7	Zinc	mg/L	0.999	1.03	1.00	3.1	20	99.9	X404014 - X4A0257-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00196	0.00202	0.00200	3.3	20	97.8	X403062 - X4A0148-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.113	0.100	0.100	12.2	11	113	X403129 - X4A0062-01	R2B
EPA 335.4	Cyanide (total)	mg/L	0.103	0.101	0.100	2.3	20	103	X403028 - X4A0148-01	
EPA 350.1	Ammonia as N	mg/L	0.966	0.950	1.00	1.6	20	94.9	X403020 - X4A0166-01	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	0.100	1.0	11	98.0	X403005 - X4A0062-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.13	4.13	3.00	0.1	20	104	X402151 - X4A0166-01	
EPA 300.0	Fluoride	mg/L	2.76	2.76	2.00	0.0	20	101	X402151 - X4A0166-01	
EPA 300.0	Nitrate as N	mg/L	2.03	2.03	2.00	0.1	20	101	X402151 - X4A0166-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.93	3.92	4.00	0.2	20	98.3	X402151 - X4A0166-01	
EPA 300.0	Nitrite as N	mg/L	1.90	1.90	2.00	0.3	20	95.1	X402151 - X4A0166-01	
EPA 300.0	Sulfate as SO4	mg/L	34.7	34.6	10.0	0.1	20	101	X402151 - X4A0166-01	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0166

Reported:

25-Jan-24 12:56

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-8A**

Sampled: 18-Jan-24 10:23

Received: 19-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0257-01 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	48.5	mg/L	0.100	0.069		X404229	JRR	02/01/24 10:49	
EPA 200.7	Magnesium	6.07	mg/L	0.500	0.090		X404229	JRR	02/01/24 10:49	
EPA 200.7	Potassium	0.80	mg/L	0.50	0.18		X404229	JRR	02/01/24 10:49	
sm 2340B	Hardness (as CaCO3)	146	mg/L	2.31	0.543		N/A		01/24/24 12:28	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X404014	JRR	01/24/24 12:28	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X404014	JRR	01/24/24 12:28	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X404014	JRR	01/24/24 12:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X404014	JRR	01/24/24 12:28	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X404014	JRR	01/24/24 12:28	
EPA 200.7	Calcium	48.0	mg/L	0.100	0.069		X404014	JRR	01/24/24 12:28	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X404014	JRR	01/24/24 12:28	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X404014	JRR	01/24/24 12:28	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X404014	JRR	01/24/24 12:28	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X404014	JRR	01/24/24 12:28	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X404014	JRR	01/24/24 12:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X404014	JRR	01/24/24 12:28	
EPA 200.7	Magnesium	6.31	mg/L	0.500	0.090		X404014	JRR	01/24/24 12:28	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X404014	JRR	01/24/24 12:28	
EPA 200.7	Potassium	0.80	mg/L	0.50	0.18		X404014	JRR	01/24/24 12:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:28	
EPA 200.7	Sodium	23.8	mg/L	0.50	0.12		X404014	JRR	01/24/24 12:28	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:28	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X404014	JRR	01/24/24 12:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 13:58	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 13:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 13:58	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 13:58	
EPA 200.8	Uranium	0.00423	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 14:38	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X404233	MAC	01/30/24 13:52	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X405033	DD	02/02/24 13:45	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X404021	DD	01/23/24 13:39	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X404003	DD	01/22/24 14:30	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X405036	DD	02/14/24 11:25	H1
SM 2310 B	Acidity to pH 8.3	-52.4	mg/L as CaCO3	10.0			X404198	MWD	01/26/24 09:52	
SM 2320 B	Total Alkalinity	49.9	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:39	
SM 2320 B	Bicarbonate	49.9	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:39	
SM 2540 C	Total Diss. Solids	301	mg/L	10			X404036	TJL	01/24/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X404037	TJL	01/25/24 16:30	
SM 4500 H B	pH @17.5°C	7.0	pH Units				X404046	MWD	01/23/24 12:39	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-8A**SVL Sample ID: **X4A0257-01 (Ground Water)**

Sampled: 18-Jan-24 10:23

Received: 19-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	63.3	mg/L	2.00	0.22	10	X403171	RS	01/19/24 18:13	D2
EPA 300.0	Fluoride	1.96	mg/L	0.100	0.017		X403171	RS	01/19/24 17:56	
EPA 300.0	Nitrate as N	1.08	mg/L	0.050	0.013		X403171	RS	01/19/24 17:56	
EPA 300.0	Nitrate+Nitrite as N	1.09	mg/L	0.100	0.044		X403171	RS	01/19/24 17:56	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X403171	RS	01/19/24 17:56	
EPA 300.0	Sulfate as SO4	61.6	mg/L	3.00	1.80	10	X403171	RS	01/19/24 18:13	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.96 meq/L

Anion Sum: 4.25 meq/L

C/A Balance: -3.44 %

Calculated TDS: 241

TDS/cTDS: 1.25

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-8B**

Sampled: 18-Jan-24 09:14

Received: 19-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0257-02 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	44.0	mg/L	0.100	0.069		X404229	JRR	02/01/24 10:53	
EPA 200.7	Magnesium	6.89	mg/L	0.500	0.090		X404229	JRR	02/01/24 10:53	
EPA 200.7	Potassium	1.33	mg/L	0.50	0.18		X404229	JRR	02/01/24 10:53	
sm 2340B	Hardness (as CaCO3)	138	mg/L	2.31	0.543		N/A		01/24/24 12:31	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X404014	JRR	01/24/24 12:31	
EPA 200.7	Barium	0.0078	mg/L	0.0020	0.0019		X404014	JRR	01/24/24 12:31	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X404014	JRR	01/24/24 12:31	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X404014	JRR	01/24/24 12:31	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X404014	JRR	01/24/24 12:31	
EPA 200.7	Calcium	45.6	mg/L	0.100	0.069		X404014	JRR	01/24/24 12:31	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X404014	JRR	01/24/24 12:31	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X404014	JRR	01/24/24 12:31	
EPA 200.7	Copper	0.0213	mg/L	0.0100	0.0027		X404014	JRR	01/24/24 12:31	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X404014	JRR	01/24/24 12:31	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X404014	JRR	01/24/24 12:31	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X404014	JRR	01/24/24 12:31	
EPA 200.7	Magnesium	7.34	mg/L	0.500	0.090		X404014	JRR	01/24/24 12:31	
EPA 200.7	Manganese	0.0082	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:31	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:31	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X404014	JRR	01/24/24 12:31	
EPA 200.7	Potassium	1.41	mg/L	0.50	0.18		X404014	JRR	01/24/24 12:31	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:31	
EPA 200.7	Sodium	25.4	mg/L	0.50	0.12		X404014	JRR	01/24/24 12:31	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:31	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X404014	JRR	01/24/24 12:31	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 14:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 14:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 14:03	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 14:03	
EPA 200.8	Uranium	0.00247	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 14:41	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X404233	MAC	01/30/24 13:59	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X405033	DD	02/02/24 13:47	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X404021	DD	01/23/24 13:42	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X404003	DD	01/22/24 14:33	M2
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X405036	DD	02/14/24 11:27	H1
SM 2310 B	Acidity to pH 8.3	-38.4	mg/L as CaCO3	10.0			X404198	MWD	01/26/24 09:52	
SM 2320 B	Total Alkalinity	39.6	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:45	
SM 2320 B	Bicarbonate	39.6	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:45	
SM 2540 C	Total Diss. Solids	294	mg/L	10			X404036	TJL	01/24/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X404037	TJL	01/25/24 16:30	
SM 4500 H B	pH @17.5°C	6.8	pH Units				X404046	MWD	01/23/24 12:45	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-8B**SVL Sample ID: **X4A0257-02 (Ground Water)**

Sampled: 18-Jan-24 09:14

Received: 19-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	37.9	mg/L	2.00	0.22	10	X403171	RS	01/19/24 14:28	D2,M4
EPA 300.0	Fluoride	2.24	mg/L	0.100	0.017		X403171	RS	01/19/24 14:11	
EPA 300.0	Nitrate as N	2.34	mg/L	0.050	0.013		X403171	RS	01/19/24 14:11	
EPA 300.0	Nitrate+Nitrite as N	2.34	mg/L	0.100	0.044		X403171	RS	01/19/24 14:11	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X403171	RS	01/19/24 14:11	
EPA 300.0	Sulfate as SO4	92.4	mg/L	3.00	1.80	10	X403171	RS	01/19/24 14:28	D2,M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.92 meq/L

Anion Sum: 4.07 meq/L

C/A Balance: -1.93 %

Calculated TDS: 245

TDS/cTDS: 1.20

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-22A**

Sampled: 18-Jan-24 13:24

Received: 19-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0257-03 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	29.7	mg/L	0.100	0.069		X404229	JRR	02/01/24 10:57	
EPA 200.7	Magnesium	12.0	mg/L	0.500	0.090		X404229	JRR	02/01/24 10:57	
EPA 200.7	Potassium	1.13	mg/L	0.50	0.18		X404229	JRR	02/01/24 10:57	
sm 2340B	Hardness (as CaCO3)	126	mg/L	2.31	0.543		N/A		01/24/24 12:35	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X404014	JRR	01/24/24 12:35	
EPA 200.7	Barium	0.110	mg/L	0.0020	0.0019		X404014	JRR	01/24/24 12:35	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X404014	JRR	01/24/24 12:35	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X404014	JRR	01/24/24 12:35	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X404014	JRR	01/24/24 12:35	
EPA 200.7	Calcium	30.6	mg/L	0.100	0.069		X404014	JRR	01/24/24 12:35	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X404014	JRR	01/24/24 12:35	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X404014	JRR	01/24/24 12:35	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X404014	JRR	01/24/24 12:35	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X404014	JRR	01/24/24 12:35	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X404014	JRR	01/24/24 12:35	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X404014	JRR	01/24/24 12:35	
EPA 200.7	Magnesium	12.7	mg/L	0.500	0.090		X404014	JRR	01/24/24 12:35	
EPA 200.7	Manganese	0.0160	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:35	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:35	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X404014	JRR	01/24/24 12:35	
EPA 200.7	Potassium	1.21	mg/L	0.50	0.18		X404014	JRR	01/24/24 12:35	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:35	
EPA 200.7	Sodium	36.9	mg/L	0.50	0.12		X404014	JRR	01/24/24 12:35	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:35	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X404014	JRR	01/24/24 12:35	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 14:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 14:06	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 14:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 14:06	
EPA 200.8	Uranium	0.00358	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 14:42	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X404233	MAC	01/30/24 14:01	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X405033	DD	02/02/24 13:49	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X404021	DD	01/23/24 13:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X404003	DD	01/22/24 14:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X405036	DD	02/14/24 11:29	H1
SM 2310 B	Acidity to pH 8.3	-164	mg/L as CaCO3	10.0			X404198	MWD	01/26/24 09:52	
SM 2320 B	Total Alkalinity	164	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:50	
SM 2320 B	Bicarbonate	164	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 12:50	
SM 2540 C	Total Diss. Solids	259	mg/L	10			X404036	TJL	01/24/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X404037	TJL	01/25/24 16:30	
SM 4500 H B	pH @18.3°C	7.8	pH Units				X404046	MWD	01/23/24 12:50	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-22A**

Sampled: 18-Jan-24 13:24

SVL Sample ID: **X4A0257-03 (Ground Water)**

Received: 19-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	4.25	mg/L	0.20	0.02		X403171	RS	01/19/24 18:30	
EPA 300.0	Fluoride	2.10	mg/L	0.100	0.017		X403171	RS	01/19/24 18:30	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X403171	RS	01/19/24 18:30	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X403171	RS	01/19/24 18:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X403171	RS	01/19/24 18:30	
EPA 300.0	Sulfate as SO4	36.1	mg/L	0.30	0.18		X403171	RS	01/19/24 18:30	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.12 meq/L

Anion Sum: 4.26 meq/L

C/A Balance: -1.71 %

Calculated TDS: 221

TDS/cTDS: 1.17

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-22B**

Sampled: 18-Jan-24 11:55

SVL Sample ID: **X4A0257-04 (Ground Water)**

Received: 19-Jan-24

Sampled By: PB

Sample Report Page 1 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	34.6	mg/L	0.100	0.069		X404229	JRR	02/01/24 11:00	
EPA 200.7	Magnesium	9.96	mg/L	0.500	0.090		X404229	JRR	02/01/24 11:00	
EPA 200.7	Potassium	1.60	mg/L	0.50	0.18		X404229	JRR	02/01/24 11:00	
sm 2340B	Hardness (as CaCO3)	127	mg/L	2.31	0.543		N/A		02/01/24 11:00	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X404014	JRR	01/24/24 12:38	
EPA 200.7	Barium	0.0481	mg/L	0.0020	0.0019		X404014	JRR	01/24/24 12:38	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X404014	JRR	01/24/24 12:38	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X404014	JRR	01/24/24 12:38	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X404014	JRR	01/24/24 12:38	
EPA 200.7	Calcium	34.3	mg/L	0.100	0.069		X404014	JRR	01/24/24 12:38	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X404014	JRR	01/24/24 12:38	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X404014	JRR	01/24/24 12:38	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X404014	JRR	01/24/24 12:38	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X404014	JRR	01/24/24 12:38	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X404014	JRR	01/24/24 12:38	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X404014	JRR	01/24/24 12:38	
EPA 200.7	Magnesium	10.0	mg/L	0.500	0.090		X404014	JRR	01/24/24 12:38	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:38	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X404014	JRR	01/24/24 12:38	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X404014	JRR	01/24/24 12:38	
EPA 200.7	Potassium	1.58	mg/L	0.50	0.18		X404014	JRR	01/24/24 12:38	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:38	
EPA 200.7	Sodium	22.1	mg/L	0.50	0.12		X404014	JRR	01/24/24 12:38	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X404014	JRR	01/24/24 12:38	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X404014	JRR	01/24/24 12:38	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 14:08	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 14:08	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 14:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 14:08	
EPA 200.8	Uranium	0.000883	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 14:43	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X404233	MAC	01/30/24 14:03	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X405033	DD	02/02/24 13:51	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X404021	DD	01/23/24 13:47	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X404003	DD	01/22/24 14:39	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X405036	DD	02/14/24 11:30	H1
SM 2310 B	Acidity to pH 8.3	-80.4	mg/L as CaCO3	10.0			X404198	MWD	01/26/24 09:52	
SM 2320 B	Total Alkalinity	76.9	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 13:05	
SM 2320 B	Bicarbonate	76.9	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 13:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 13:05	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X404046	MWD	01/23/24 13:05	
SM 2540 C	Total Diss. Solids	277	mg/L	10			X404036	TJL	01/24/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X404037	TJL	01/25/24 16:30	
SM 4500 H B	pH @18.9°C	6.6	pH Units				X404046	MWD	01/23/24 13:05	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Client Sample ID: **GVMW-22B**

Sampled: 18-Jan-24 11:55

SVL Sample ID: **X4A0257-04 (Ground Water)**

Received: 19-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.04	mg/L	0.20	0.02		X403171	RS	01/19/24 19:04	
EPA 300.0	Fluoride	0.376	mg/L	0.100	0.017		X403171	RS	01/19/24 19:04	
EPA 300.0	Nitrate as N	0.479	mg/L	0.050	0.013		X403171	RS	01/19/24 19:04	
EPA 300.0	Nitrate+Nitrite as N	0.479	mg/L	0.100	0.044		X403171	RS	01/19/24 19:04	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X403171	RS	01/19/24 19:04	
EPA 300.0	Sulfate as SO4	90.8	mg/L	3.00	1.80	10	X403171	RS	01/19/24 19:21	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.55 meq/L

Anion Sum: 3.71 meq/L

C/A Balance: -2.22 %

Calculated TDS: 216

TDS/cTDS: 1.28

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404229	01-Feb-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404229	01-Feb-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404229	01-Feb-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0257

Reported:

15-Feb-24 12:11

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Dissolved) (Continued)

EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X404014	24-Jan-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X404233	30-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X405033	02-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X404021	23-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X404003	22-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X405036	14-Feb-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X404198	26-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X404046	23-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X404046	23-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X404046	23-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X404046	23-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X404036	24-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X404037	25-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X403171	19-Jan-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X403171	19-Jan-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X403171	19-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X403171	19-Jan-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X403171	19-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X403171	19-Jan-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	19.6	20.0	98	85 - 115	X404229	01-Feb-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.2	85 - 115	X404229	01-Feb-24	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.6	85 - 115	X404229	01-Feb-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Barium	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.989	1.00	98.9	85 - 115	X404014	24-Jan-24	
EPA 200.7	Boron	mg/L	0.991	1.00	99.1	85 - 115	X404014	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 13 of 18

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0257

Reported:

15-Feb-24 12:11

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)									
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X404014	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.993	1.00	99.3	85 - 115	X404014	24-Jan-24	
EPA 200.7	Copper	mg/L	0.985	1.00	98.5	85 - 115	X404014	24-Jan-24	
EPA 200.7	Iron	mg/L	10.3	10.0	103	85 - 115	X404014	24-Jan-24	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Lithium	mg/L	0.988	1.00	98.8	85 - 115	X404014	24-Jan-24	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Manganese	mg/L	1.00	1.00	100	85 - 115	X404014	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.976	1.00	97.6	85 - 115	X404014	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.996	1.00	99.6	85 - 115	X404014	24-Jan-24	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X404014	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0507	0.0500	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Sodium	mg/L	19.2	19.0	101	85 - 115	X404014	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.992	1.00	99.2	85 - 115	X404014	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.02	1.00	102	85 - 115	X404014	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0232	0.0250	92.9	85 - 115	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.0	85 - 115	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0234	0.0250	93.7	85 - 115	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0233	0.0250	93.3	85 - 115	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0226	0.0250	90.5	85 - 115	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00215	0.00200	107	85 - 115	X404233	30-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.100	110	90 - 110	X405033	02-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X404021	23-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.974	1.00	97.4	90 - 110	X404003	22-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.100	96.0	90 - 110	X405036	14-Feb-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1580	1640	96.6	95.4 - 104	X404198	26-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X404046	23-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	96.4 - 105	X404046	23-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X404037	25-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.01	3.00	100	90 - 110	X403171	19-Jan-24	
EPA 300.0	Fluoride	mg/L	2.01	2.00	100	90 - 110	X403171	19-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	102	90 - 110	X403171	19-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.58	4.50	102	90 - 110	X403171	19-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X403171	19-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X403171	19-Jan-24	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X404198 - X4A0257-01	26-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X404046 - X4A0231-02	23-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X404046 - X4A0231-02	23-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X404046 - X4A0231-02	23-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X404046 - X4A0231-02	23-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	287	295	2.8	10	X404036 - X4A0270-02	24-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X404037 - X4A0270-02	25-Jan-24	
SM 4500 H B	pH @19.8°C	pH Units	3.7	3.8	2.7	20	X404046 - X4A0231-02	23-Jan-24	

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	68.4	48.5	20.0	100	70 - 130	X404229 - X4A0257-01	01-Feb-24	
EPA 200.7	Calcium	mg/L	29.0	8.66	20.0	102	70 - 130	X404229 - X4A0330-01	01-Feb-24	
EPA 200.7	Magnesium	mg/L	26.1	6.07	20.0	100	70 - 130	X404229 - X4A0257-01	01-Feb-24	
EPA 200.7	Magnesium	mg/L	23.9	3.87	20.0	100	70 - 130	X404229 - X4A0330-01	01-Feb-24	
EPA 200.7	Potassium	mg/L	20.5	0.80	20.0	98.3	70 - 130	X404229 - X4A0257-01	01-Feb-24	
EPA 200.7	Potassium	mg/L	20.4	<0.50	20.0	99.8	70 - 130	X404229 - X4A0330-01	01-Feb-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.05	<0.080	1.00	105	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Barium	mg/L	1.08	0.0660	1.00	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.994	<0.00200	1.00	99.4	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Beryllium	mg/L	0.985	<0.00200	1.00	98.5	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	103	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Boron	mg/L	0.982	<0.0400	1.00	97.2	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Cadmium	mg/L	1.01	<0.0020	1.00	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Calcium	mg/L	69.4	48.0	20.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Calcium	mg/L	81.3	62.5	20.0	94.0	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Chromium	mg/L	0.997	<0.0060	1.00	99.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.989	<0.0060	1.00	98.9	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Cobalt	mg/L	0.975	<0.0060	1.00	97.5	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Copper	mg/L	0.987	<0.0100	1.00	98.3	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Copper	mg/L	0.994	<0.0100	1.00	99.4	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Iron	mg/L	10.7	<0.100	10.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Iron	mg/L	10.3	0.100	10.0	102	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Lead	mg/L	0.991	<0.0075	1.00	99.1	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	105	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Lithium	mg/L	0.999	<0.040	1.00	99.9	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Magnesium	mg/L	27.2	6.31	20.0	104	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Magnesium	mg/L	35.2	15.7	20.0	97.8	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Manganese	mg/L	1.01	<0.0080	1.00	100	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Manganese	mg/L	1.04	0.0544	1.00	98.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.980	<0.0080	1.00	98.0	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.977	<0.0080	1.00	97.7	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.989	<0.0100	1.00	98.9	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Nickel	mg/L	0.974	<0.0100	1.00	97.4	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Potassium	mg/L	22.1	0.80	20.0	107	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Potassium	mg/L	22.2	1.63	20.0	103	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0530	<0.0050	0.0500	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Silver	mg/L	0.0507	<0.0050	0.0500	101	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Sodium	mg/L	43.9	23.8	19.0	106	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Sodium	mg/L	29.9	11.0	19.0	99.6	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.996	<0.0050	1.00	99.6	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X404014 - X4A0166-01	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.03	<0.0100	1.00	103	70 - 130	X404014 - X4A0257-01	24-Jan-24	
EPA 200.7	Zinc	mg/L	1.00	<0.0100	1.00	100	70 - 130	X404014 - X4A0166-01	24-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 15 of 18

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0257

Reported:

15-Feb-24 12:11

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
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Metals (Dissolved) (Continued)

EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.7	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00500	0.0250	115	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Arsenic	mg/L	0.0238	<0.00100	0.0250	95.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0294	<0.00500	0.0250	118	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	92.6	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00500	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Thallium	mg/L	0.0225	<0.000200	0.0250	90.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0286	<0.00100	0.0250	114	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Uranium	mg/L	0.0297	0.00423	0.0250	102	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0335	0.00345	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00227	0.000224	0.00200	103	70 - 130	X404233 - X4A0231-01	30-Jan-24	
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X404233 - X4A0268-02	30-Jan-24	

Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X405033 - X4A0281-03	02-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X404021 - X4A0213-01	23-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X404021 - X4A0257-01	23-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.899	<0.030	1.00	89.9	90 - 110	X404003 - X4A0257-02	22-Jan-24	M2
OIA 1677	Cyanide (WAD)	mg/L	0.0970	<0.0050	0.100	95.0	82 - 118	X405036 - X4A0213-01	14-Feb-24	H1

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	39.7	37.9	3.00	0.30R>S	90 - 110	X403171 - X4A0257-02	19-Jan-24	D2,M4
EPA 300.0	Fluoride	mg/L	4.21	2.24	2.00	98.4	90 - 110	X403171 - X4A0257-02	19-Jan-24	
EPA 300.0	Nitrate as N	mg/L	4.40	2.34	2.00	103	90 - 110	X403171 - X4A0257-02	19-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	6.44	2.34	4.00	103	90 - 110	X403171 - X4A0257-02	19-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X403171 - X4A0257-02	19-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	100	92.4	10.0	0.30R>S	90 - 110	X403171 - X4A0257-02	19-Jan-24	D2,M4

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	69.3	68.4	20.0	1.0	20	104	X404229 - X4A0257-01	
EPA 200.7	Magnesium	mg/L	26.0	26.1	20.0	0.5	20	99.7	X404229 - X4A0257-01	
EPA 200.7	Potassium	mg/L	20.6	20.5	20.0	0.8	20	99.1	X404229 - X4A0257-01	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	1.01	1.05	1.00	3.7	20	101	X404014 - X4A0257-01	
EPA 200.7	Barium	mg/L	1.02	1.06	1.00	4.0	20	102	X404014 - X4A0257-01	
EPA 200.7	Beryllium	mg/L	0.978	0.994	1.00	1.7	20	97.8	X404014 - X4A0257-01	
EPA 200.7	Boron	mg/L	0.996	1.04	1.00	4.3	20	98.2	X404014 - X4A0257-01	
EPA 200.7	Cadmium	mg/L	0.997	1.02	1.00	2.2	20	99.7	X404014 - X4A0257-01	
EPA 200.7	Calcium	mg/L	68.7	69.4	20.0	1.0	20	104	X404014 - X4A0257-01	
EPA 200.7	Chromium	mg/L	0.985	1.01	1.00	2.8	20	98.5	X404014 - X4A0257-01	
EPA 200.7	Cobalt	mg/L	0.966	0.989	1.00	2.4	20	96.6	X404014 - X4A0257-01	
EPA 200.7	Copper	mg/L	0.974	0.987	1.00	1.3	20	97.0	X404014 - X4A0257-01	
EPA 200.7	Iron	mg/L	10.2	10.7	10.0	4.2	20	102	X404014 - X4A0257-01	
EPA 200.7	Lead	mg/L	0.974	1.00	1.00	2.9	20	97.4	X404014 - X4A0257-01	
EPA 200.7	Lithium	mg/L	1.00	1.05	1.00	4.4	20	100	X404014 - X4A0257-01	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 16 of 18



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0257

Reported:

15-Feb-24 12:11

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Magnesium	mg/L	26.3	27.2	20.0	3.4	20	99.8	X404014 - X4A0257-01	
EPA 200.7	Manganese	mg/L	0.990	1.01	1.00	1.8	20	98.2	X404014 - X4A0257-01	
EPA 200.7	Molybdenum	mg/L	0.960	0.980	1.00	2.0	20	96.0	X404014 - X4A0257-01	
EPA 200.7	Nickel	mg/L	0.966	0.989	1.00	2.3	20	96.6	X404014 - X4A0257-01	
EPA 200.7	Potassium	mg/L	21.2	22.1	20.0	4.3	20	102	X404014 - X4A0257-01	
EPA 200.7	Silver	mg/L	0.0509	0.0530	0.0500	4.0	20	102	X404014 - X4A0257-01	
EPA 200.7	Sodium	mg/L	43.2	43.9	19.0	1.6	20	102	X404014 - X4A0257-01	
EPA 200.7	Vanadium	mg/L	0.977	0.996	1.00	2.0	20	97.7	X404014 - X4A0257-01	
EPA 200.7	Zinc	mg/L	0.999	1.03	1.00	3.1	20	99.9	X404014 - X4A0257-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00233	0.00227	0.00200	2.4	20	105	X404233 - X4A0231-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0950	0.0970	0.100	2.1	11	95.0	X405033 - X4A0281-03	
EPA 335.4	Cyanide (total)	mg/L	0.104	0.106	0.100	1.8	20	104	X404021 - X4A0213-01	
EPA 350.1	Ammonia as N	mg/L	0.975	0.899	1.00	8.1	20	97.5	X404003 - X4A0257-02	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.0970	0.100	5.0	11	100	X405036 - X4A0213-01	H1
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	40.6	39.7	3.00	2.2	20	0.30R>S	X403171 - X4A0257-02	D2,M4
EPA 300.0	Fluoride	mg/L	4.22	4.21	2.00	0.3	20	98.9	X403171 - X4A0257-02	
EPA 300.0	Nitrate as N	mg/L	4.39	4.40	2.00	0.2	20	102	X403171 - X4A0257-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	6.46	6.44	4.00	0.2	20	103	X403171 - X4A0257-02	
EPA 300.0	Nitrite as N	mg/L	2.07	2.04	2.00	1.1	20	103	X403171 - X4A0257-02	
EPA 300.0	Sulfate as SO4	mg/L	101	100	10.0	0.3	20	0.30R>S	X403171 - X4A0257-02	D2,M4



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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Post Office Box 191

Victor, CO 80860

Work Order: **X4A0257**

Reported: 15-Feb-24 12:11

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Client Sample ID: **GVMW-10**

Sampled: 24-Jan-24 10:38

Received: 25-Jan-24

Sampled By: BOD

SVL Sample ID: **X4A0336-02 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	438	mg/L	0.100	0.069		X405178	JRR	02/02/24 10:07	
EPA 200.7	Magnesium	186	mg/L	0.500	0.090		X405178	JRR	02/02/24 10:07	
EPA 200.7	Potassium	2.81	mg/L	0.50	0.18		X405178	JRR	02/02/24 10:07	
sm 2340B	Hardness (as CaCO3)	1860	mg/L	2.31	0.543		N/A		01/31/24 12:10	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X405008	JRR	01/31/24 12:10	
EPA 200.7	Barium	0.0239	mg/L	0.0020	0.0019		X405008	JRR	01/31/24 12:10	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X405008	JRR	01/31/24 12:10	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X405008	JRR	01/31/24 12:10	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X405008	JRR	01/31/24 12:10	
EPA 200.7	Calcium	392	mg/L	0.100	0.069		X405008	JRR	01/31/24 12:10	
EPA 200.7	Chromium	0.0060	mg/L	0.0060	0.0020		X405008	JRR	01/31/24 12:10	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X405008	JRR	01/31/24 12:10	
EPA 200.7	Copper	0.0132	mg/L	0.0100	0.0027		X405008	JRR	01/31/24 12:10	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X405008	JRR	01/31/24 12:10	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X405008	JRR	01/31/24 12:10	
EPA 200.7	Lithium	0.054	mg/L	0.040	0.025		X405008	JRR	01/31/24 12:10	
EPA 200.7	Magnesium	159	mg/L	0.500	0.090		X405008	JRR	01/31/24 12:10	
EPA 200.7	Manganese	0.200	mg/L	0.0080	0.0034		X405008	JRR	01/31/24 12:10	
EPA 200.7	Molybdenum	0.0105	mg/L	0.0080	0.0034		X405008	JRR	01/31/24 12:10	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X405008	JRR	01/31/24 12:10	
EPA 200.7	Potassium	2.70	mg/L	0.50	0.18		X405008	JRR	01/31/24 12:10	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X405008	JRR	01/31/24 12:10	
EPA 200.7	Sodium	37.8	mg/L	0.50	0.12		X405008	JRR	01/31/24 12:10	
EPA 200.7	Vanadium	0.0060	mg/L	0.0050	0.0019		X405008	JRR	01/31/24 12:10	
EPA 200.7	Zinc	0.0620	mg/L	0.0100	0.0054		X405008	JRR	01/31/24 12:10	
EPA 200.8	Antimony	0.00194	mg/L	0.00100	0.00072		X405051	SMU	02/01/24 18:49	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X405051	SMU	02/01/24 18:49	
EPA 200.8	Selenium	0.00310	mg/L	0.00100	0.00024		X405051	SMU	02/01/24 18:49	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X405051	SMU	02/01/24 19:26	D1
EPA 200.8	Uranium	0.0566	mg/L	0.000500	0.000260	5	X405051	SMU	02/01/24 19:26	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X406012	MAC	02/05/24 15:19	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X405035	DD	02/06/24 14:09	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X405186	DD	02/02/24 13:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X405027	DD	01/30/24 13:08	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X405036	DD	02/14/24 11:35	H1
SM 2310 B	Acidity to pH 8.3	-303	mg/L as CaCO3	10.0			X406062	MWD	02/06/24 09:57	
SM 2320 B	Total Alkalinity	307	mg/L as CaCO3	1.0			X405165	MWD	02/01/24 14:10	
SM 2320 B	Bicarbonate	307	mg/L as CaCO3	1.0			X405165	MWD	02/01/24 14:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X405165	MWD	02/01/24 14:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X405165	MWD	02/01/24 14:10	
SM 2540 C	Total Diss. Solids	2200	mg/L	40			X404199	TJL	01/29/24 14:40	D2
SM 2540 D	Total Susp. Solids	6.0	mg/L	5.0			X404200	TJL	01/26/24 15:10	
SM 4500 H B	pH @18.4°C	7.1	pH Units				X405165	MWD	02/01/24 14:10	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 15



One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Work Order: **X4A0336**
Reported: 15-Feb-24 12:23

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4A0336-02 (Ground Water)**

Sampled: 24-Jan-24 10:38
Received: 25-Jan-24
Sampled By: BOD

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	5.02	mg/L	0.20	0.02		X404177	RS	01/25/24 15:55	
EPA 300.0	Fluoride	0.218	mg/L	0.100	0.017		X404177	RS	01/25/24 15:55	
EPA 300.0	Nitrate as N	0.172	mg/L	0.050	0.013		X404177	RS	01/25/24 15:55	
EPA 300.0	Nitrate+Nitrite as N	0.177	mg/L	0.100	0.044		X404177	RS	01/25/24 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X404177	RS	01/25/24 15:55	
EPA 300.0	Sulfate as SO4	1480	mg/L	15.0	9.00	50	X404177	RS	01/25/24 16:12	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 34.4 meq/L

Anion Sum: 37.1 meq/L

C/A Balance: -3.81 %

Calculated TDS: 2298

TDS/cTDS: 0.96

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter

Kathryn Salter
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X405178	02-Feb-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X405178	02-Feb-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X405178	02-Feb-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X405008	31-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X405008	31-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X405008	31-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X405008	31-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X405008	31-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X405008	31-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X405008	31-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X405008	31-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X405008	31-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X405008	31-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X405008	31-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X405008	31-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X405008	31-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X405008	31-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X405008	31-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X405008	31-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X405008	31-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X405008	31-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X405008	31-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X405008	31-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X405008	31-Jan-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X405051	01-Feb-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X405051	01-Feb-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X405051	01-Feb-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X405051	01-Feb-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X405051	01-Feb-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X406012	05-Feb-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X405035	06-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X405186	02-Feb-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X405027	30-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X405036	14-Feb-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X406062	06-Feb-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X405165	01-Feb-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X405165	01-Feb-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X405165	01-Feb-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X405165	01-Feb-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X404199	29-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X404200	26-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X404177	25-Jan-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X404177	25-Jan-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X404177	25-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X404177	25-Jan-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X404177	25-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X404177	25-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 15



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	19.8	20.0	99	85 - 115	X405178	02-Feb-24	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X405178	02-Feb-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X405178	02-Feb-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	0.997	1.00	99.7	85 - 115	X405008	31-Jan-24	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X405008	31-Jan-24	
EPA 200.7	Beryllium	mg/L	1.01	1.00	101	85 - 115	X405008	31-Jan-24	
EPA 200.7	Boron	mg/L	0.952	1.00	95.2	85 - 115	X405008	31-Jan-24	
EPA 200.7	Cadmium	mg/L	0.965	1.00	96.5	85 - 115	X405008	31-Jan-24	
EPA 200.7	Calcium	mg/L	20.0	20.0	100	85 - 115	X405008	31-Jan-24	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X405008	31-Jan-24	
EPA 200.7	Cobalt	mg/L	0.951	1.00	95.1	85 - 115	X405008	31-Jan-24	
EPA 200.7	Copper	mg/L	0.962	1.00	96.2	85 - 115	X405008	31-Jan-24	
EPA 200.7	Iron	mg/L	10.2	10.0	102	85 - 115	X405008	31-Jan-24	
EPA 200.7	Lead	mg/L	0.964	1.00	96.4	85 - 115	X405008	31-Jan-24	
EPA 200.7	Lithium	mg/L	1.02	1.00	102	85 - 115	X405008	31-Jan-24	
EPA 200.7	Magnesium	mg/L	20.3	20.0	101	85 - 115	X405008	31-Jan-24	
EPA 200.7	Manganese	mg/L	1.03	1.00	103	85 - 115	X405008	31-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.950	1.00	95.0	85 - 115	X405008	31-Jan-24	
EPA 200.7	Nickel	mg/L	0.966	1.00	96.6	85 - 115	X405008	31-Jan-24	
EPA 200.7	Potassium	mg/L	20.5	20.0	103	85 - 115	X405008	31-Jan-24	
EPA 200.7	Silver	mg/L	0.0511	0.0500	102	85 - 115	X405008	31-Jan-24	
EPA 200.7	Sodium	mg/L	19.3	19.0	101	85 - 115	X405008	31-Jan-24	
EPA 200.7	Vanadium	mg/L	0.973	1.00	97.3	85 - 115	X405008	31-Jan-24	
EPA 200.7	Zinc	mg/L	0.966	1.00	96.6	85 - 115	X405008	31-Jan-24	
EPA 200.8	Antimony	mg/L	0.0245	0.0250	98.1	85 - 115	X405051	01-Feb-24	
EPA 200.8	Arsenic	mg/L	0.0249	0.0250	99.5	85 - 115	X405051	01-Feb-24	
EPA 200.8	Selenium	mg/L	0.0258	0.0250	103	85 - 115	X405051	01-Feb-24	
EPA 200.8	Thallium	mg/L	0.0247	0.0250	98.9	85 - 115	X405051	01-Feb-24	
EPA 200.8	Uranium	mg/L	0.0243	0.0250	97.1	85 - 115	X405051	01-Feb-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00204	0.00200	102	85 - 115	X406012	05-Feb-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X405035	06-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X405186	02-Feb-24	
EPA 350.1	Ammonia as N	mg/L	0.953	1.00	95.3	90 - 110	X405027	30-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.100	96.0	90 - 110	X405036	14-Feb-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1690	1640	103	95.4 - 104	X406062	06-Feb-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	96.4 - 105	X405165	01-Feb-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.6	99.3	100	96.4 - 105	X405165	01-Feb-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X404200	26-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	2.98	3.00	99.3	90 - 110	X404177	25-Jan-24	
EPA 300.0	Fluoride	mg/L	2.02	2.00	101	90 - 110	X404177	25-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.02	2.00	101	90 - 110	X404177	25-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.52	4.50	100	90 - 110	X404177	25-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.50	2.50	100	90 - 110	X404177	25-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X404177	25-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 11 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO ₃	<10.0	<10.0	UDL	20	X406062 - X4A0336-01	06-Feb-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	306	307	0.2	20	X405165 - X4A0336-02	01-Feb-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	306	307	0.2	20	X405165 - X4A0336-02	01-Feb-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X405165 - X4A0336-02	01-Feb-24	
SM 2320 B	Hydroxide	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X405165 - X4A0336-02	01-Feb-24	
SM 2540 C	Total Diss. Solids	mg/L	1110	1120	0.4	10	X404199 - X4A0336-03	29-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	2950	2920	1.1	10	X404199 - X4A0331-02	29-Jan-24	D2
SM 2540 D	Total Susp. Solids	mg/L	7.0	6.0	15.4	10	X404200 - X4A0336-03	26-Jan-24	R2B
SM 4500 H B	pH @18.7°C	pH Units	7.0	7.1	1.1	20	X405165 - X4A0336-02	01-Feb-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	79.8	59.0	20.0	104	70 - 130	X405178 - X4A0314-01	02-Feb-24	
EPA 200.7	Calcium	mg/L	531	524	20.0	0.30R>S	70 - 130	X405178 - X4A0369-04	02-Feb-24	D2,M4
EPA 200.7	Magnesium	mg/L	43.3	22.0	20.0	106	70 - 130	X405178 - X4A0314-01	02-Feb-24	
EPA 200.7	Magnesium	mg/L	737	735	20.0	0.30R>S	70 - 130	X405178 - X4A0369-04	02-Feb-24	D2,M4
EPA 200.7	Potassium	mg/L	31.0	11.1	20.0	99.6	70 - 130	X405178 - X4A0314-01	02-Feb-24	
EPA 200.7	Potassium	mg/L	39.1	18.9	20.0	101	70 - 130	X405178 - X4A0369-04	02-Feb-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.07	<0.080	1.00	107	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Aluminum	mg/L	0.968	<0.080	1.00	96.8	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Barium	mg/L	1.11	<0.0020	1.00	111	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Barium	mg/L	1.01	0.0290	1.00	98.1	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Beryllium	mg/L	1.09	<0.00200	1.00	109	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Beryllium	mg/L	0.960	<0.00200	1.00	96.0	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Boron	mg/L	0.976	0.0411	1.00	93.5	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Cadmium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Cadmium	mg/L	0.948	<0.0020	1.00	94.8	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Calcium	mg/L	21.6	<0.100	20.0	108	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Calcium	mg/L	120	102	20.0	86.6	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Chromium	mg/L	1.11	<0.0060	1.00	111	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Chromium	mg/L	0.954	<0.0060	1.00	95.4	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Cobalt	mg/L	1.03	<0.0060	1.00	103	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Cobalt	mg/L	0.902	<0.0060	1.00	90.2	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Copper	mg/L	1.05	<0.0100	1.00	105	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Copper	mg/L	0.923	<0.0100	1.00	92.3	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Iron	mg/L	11.0	<0.100	10.0	110	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Iron	mg/L	9.60	<0.100	10.0	96.0	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Lead	mg/L	1.06	<0.0075	1.00	106	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Lead	mg/L	0.929	<0.0075	1.00	92.9	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Lithium	mg/L	1.11	<0.040	1.00	111	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Magnesium	mg/L	21.8	<0.500	20.0	109	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Magnesium	mg/L	44.9	26.3	20.0	93.1	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Manganese	mg/L	1.11	<0.0080	1.00	111	70 - 130	X405008 - X4A0336-01	31-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.981	0.0100	1.00	97.1	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.909	<0.0080	1.00	90.9	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Nickel	mg/L	1.05	<0.0100	1.00	105	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Nickel	mg/L	0.913	<0.0100	1.00	91.3	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Potassium	mg/L	22.5	<0.50	20.0	113	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Potassium	mg/L	22.6	2.71	20.0	99.3	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Silver	mg/L	0.0546	<0.0050	0.0500	109	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Silver	mg/L	0.0491	<0.0050	0.0500	98.3	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Sodium	mg/L	21.0	<0.50	19.0	110	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Sodium	mg/L	54.8	36.7	19.0	95.6	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Vanadium	mg/L	1.07	<0.0050	1.00	107	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Vanadium	mg/L	0.942	0.0053	1.00	93.7	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.7	Zinc	mg/L	1.07	<0.0100	1.00	107	70 - 130	X405008 - X4A0336-01	31-Jan-24	
EPA 200.7	Zinc	mg/L	0.940	<0.0100	1.00	94.0	70 - 130	X405008 - X4A0373-03	31-Jan-24	
EPA 200.8	Antimony	mg/L	0.0300	<0.00100	0.0250	120	70 - 130	X405051 - X4A0322-01	02-Feb-24	
EPA 200.8	Antimony	mg/L	0.0250	<0.00100	0.0250	100	70 - 130	X405051 - X4A0336-01	02-Feb-24	
EPA 200.8	Arsenic	mg/L	0.0367	0.00318	0.0250	134	70 - 130	X405051 - X4A0322-01	02-Feb-24	M1
EPA 200.8	Arsenic	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X405051 - X4A0336-01	02-Feb-24	
EPA 200.8	Selenium	mg/L	0.0342	<0.00100	0.0250	134	70 - 130	X405051 - X4A0322-01	02-Feb-24	M1
EPA 200.8	Selenium	mg/L	0.0264	<0.00100	0.0250	106	70 - 130	X405051 - X4A0336-01	02-Feb-24	
EPA 200.8	Thallium	mg/L	0.0285	<0.00100	0.0250	114	70 - 130	X405051 - X4A0322-01	01-Feb-24	D1
EPA 200.8	Thallium	mg/L	0.0255	<0.000200	0.0250	102	70 - 130	X405051 - X4A0336-01	02-Feb-24	
EPA 200.8	Uranium	mg/L	0.0515	0.0248	0.0250	107	70 - 130	X405051 - X4A0322-01	01-Feb-24	D1
EPA 200.8	Uranium	mg/L	0.0255	<0.000100	0.0250	102	70 - 130	X405051 - X4A0336-01	02-Feb-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	101	70 - 130	X406012 - X4A0331-01	05-Feb-24	
EPA 245.1	Mercury	mg/L	0.00206	<0.000200	0.00200	103	70 - 130	X406012 - X4A0369-01	05-Feb-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.106	<0.0050	0.100	106	79 - 121	X405035 - X4A0336-01	06-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X405186 - X4A0336-01	02-Feb-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X405186 - X4A0336-02	02-Feb-24	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X405027 - X4A0283-07	30-Jan-24	
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X405027 - X4A0283-09	30-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0970	<0.0050	0.100	95.0	82 - 118	X405036 - X4A0213-01	14-Feb-24	H1
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.02	<0.20	3.00	99.0	90 - 110	X404177 - X4A0336-01	25-Jan-24	
EPA 300.0	Fluoride	mg/L	2.07	<0.100	2.00	102	90 - 110	X404177 - X4A0336-01	25-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X404177 - X4A0336-01	25-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.14	<0.100	4.00	103	90 - 110	X404177 - X4A0336-01	25-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.11	<0.050	2.00	105	90 - 110	X404177 - X4A0336-01	25-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	<0.30	10.0	102	90 - 110	X404177 - X4A0336-01	25-Jan-24	

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	79.9	79.8	20.0	0.1	20	105	X405178 - X4A0314-01	
EPA 200.7	Magnesium	mg/L	43.4	43.3	20.0	0.3	20	107	X405178 - X4A0314-01	
EPA 200.7	Potassium	mg/L	31.1	31.0	20.0	0.4	20	100	X405178 - X4A0314-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.07	1.00	5.3	20	101	X405008 - X4A0336-01	
EPA 200.7	Barium	mg/L	1.01	1.11	1.00	10.0	20	101	X405008 - X4A0336-01	
EPA 200.7	Beryllium	mg/L	0.989	1.09	1.00	9.8	20	98.9	X405008 - X4A0336-01	
EPA 200.7	Boron	mg/L	0.969	1.03	1.00	6.1	20	96.9	X405008 - X4A0336-01	
EPA 200.7	Cadmium	mg/L	0.981	1.06	1.00	7.4	20	98.1	X405008 - X4A0336-01	
EPA 200.7	Calcium	mg/L	20.0	21.6	20.0	7.3	20	100	X405008 - X4A0336-01	
EPA 200.7	Chromium	mg/L	1.01	1.11	1.00	9.3	20	101	X405008 - X4A0336-01	
EPA 200.7	Cobalt	mg/L	0.959	1.03	1.00	7.5	20	95.9	X405008 - X4A0336-01	
EPA 200.7	Copper	mg/L	0.953	1.05	1.00	9.3	20	95.3	X405008 - X4A0336-01	
EPA 200.7	Iron	mg/L	10.2	11.0	10.0	7.5	20	102	X405008 - X4A0336-01	
EPA 200.7	Lead	mg/L	0.980	1.06	1.00	7.7	20	98.0	X405008 - X4A0336-01	
EPA 200.7	Lithium	mg/L	0.992	1.11	1.00	11.2	20	99.2	X405008 - X4A0336-01	
EPA 200.7	Magnesium	mg/L	20.1	21.8	20.0	8.0	20	101	X405008 - X4A0336-01	
EPA 200.7	Manganese	mg/L	1.01	1.11	1.00	10.0	20	101	X405008 - X4A0336-01	
EPA 200.7	Molybdenum	mg/L	0.946	1.01	1.00	6.2	20	94.6	X405008 - X4A0336-01	
EPA 200.7	Nickel	mg/L	0.973	1.05	1.00	8.0	20	97.3	X405008 - X4A0336-01	
EPA 200.7	Potassium	mg/L	20.7	22.5	20.0	8.6	20	103	X405008 - X4A0336-01	
EPA 200.7	Silver	mg/L	0.0510	0.0546	0.0500	6.8	20	102	X405008 - X4A0336-01	
EPA 200.7	Sodium	mg/L	19.3	21.0	19.0	8.1	20	101	X405008 - X4A0336-01	
EPA 200.7	Vanadium	mg/L	0.982	1.07	1.00	8.5	20	98.2	X405008 - X4A0336-01	
EPA 200.7	Zinc	mg/L	0.993	1.07	1.00	7.5	20	99.3	X405008 - X4A0336-01	
EPA 200.8	Antimony	mg/L	0.0290	0.0300	0.0250	3.6	20	116	X405051 - X4A0322-01	
EPA 200.8	Arsenic	mg/L	0.0352	0.0367	0.0250	4.1	20	128	X405051 - X4A0322-01	
EPA 200.8	Selenium	mg/L	0.0327	0.0342	0.0250	4.5	20	128	X405051 - X4A0322-01	
EPA 200.8	Thallium	mg/L	0.0312	0.0285	0.0250	9.2	20	125	X405051 - X4A0322-01	D1
EPA 200.8	Uranium	mg/L	0.0557	0.0515	0.0250	7.8	20	124	X405051 - X4A0322-01	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	0.00203	0.00200	0.3	20	102	X406012 - X4A0331-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0990	0.106	0.100	6.8	11	99.0	X405035 - X4A0336-01	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.104	0.100	0.8	20	103	X405186 - X4A0336-01	
EPA 350.1	Ammonia as N	mg/L	1.05	1.05	1.00	0.6	20	105	X405027 - X4A0283-07	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.0970	0.100	5.0	11	100	X405036 - X4A0213-01	H1
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.05	3.02	3.00	0.9	20	99.9	X404177 - X4A0336-01	
EPA 300.0	Fluoride	mg/L	2.04	2.07	2.00	1.6	20	100	X404177 - X4A0336-01	
EPA 300.0	Nitrate as N	mg/L	2.03	2.03	2.00	0.1	20	102	X404177 - X4A0336-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.10	4.14	4.00	0.9	20	102	X404177 - X4A0336-01	
EPA 300.0	Nitrite as N	mg/L	2.07	2.11	2.00	1.9	20	103	X404177 - X4A0336-01	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.4	10.0	0.6	20	101	X404177 - X4A0336-01	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0336

Reported:

15-Feb-24 12:23

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable



Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

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newmont.com

QA/QC

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-107F**

Sampled: 09-Jan-24 11:45

Received: 10-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0148-02 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	34.4	mg/L	0.100	0.069		X403056	SMU	01/22/24 14:00	
EPA 200.7	Magnesium	16.4	mg/L	0.500	0.090		X403056	SMU	01/22/24 14:00	
EPA 200.7	Potassium	0.83	mg/L	0.50	0.18		X403056	SMU	01/22/24 14:00	
SM 2340 B	Hardness (as CaCO3)	153	mg/L	2.31	0.543		N/A		01/10/24 15:48	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X401134	SMU	01/11/24 14:13	
EPA 200.7	Barium	0.152	mg/L	0.0020	0.0019		X401134	SMU	01/10/24 15:48	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X401134	SMU	01/10/24 15:48	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X401134	SMU	01/10/24 15:48	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X401134	SMU	01/10/24 15:48	
EPA 200.7	Calcium	34.1	mg/L	0.100	0.069		X401134	SMU	01/10/24 15:48	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X401134	SMU	01/10/24 15:48	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X401134	SMU	01/10/24 15:48	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X401134	SMU	01/10/24 15:48	
EPA 200.7	Iron	1.02	mg/L	0.100	0.056		X401134	SMU	01/10/24 15:48	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X401134	SMU	01/10/24 15:48	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X401134	SMU	01/10/24 15:48	
EPA 200.7	Magnesium	16.3	mg/L	0.500	0.090		X401134	SMU	01/10/24 15:48	
EPA 200.7	Manganese	0.187	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:48	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 15:48	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X401134	SMU	01/10/24 15:48	
EPA 200.7	Potassium	0.78	mg/L	0.50	0.18		X401134	SMU	01/10/24 15:48	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:48	
EPA 200.7	Sodium	9.01	mg/L	0.50	0.12		X401134	SMU	01/10/24 15:48	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 15:48	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X401134	SMU	01/10/24 15:48	
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X403180	SMU	01/25/24 09:53	D1
EPA 200.8	Arsenic	< 0.00500	mg/L	0.00500	0.00105	5	X403180	SMU	01/25/24 09:53	D1
EPA 200.8	Selenium	< 0.00500	mg/L	0.00500	0.00120	5	X403180	SMU	01/25/24 09:53	D1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X403180	SMU	01/25/24 09:53	D1
EPA 200.8	Uranium	0.00373	mg/L	0.000500	0.000260	5	X403180	SMU	01/25/24 09:53	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 13:42	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 10:42	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 09:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X403019	DD	01/16/24 13:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:15	
SM 2310 B	Acidity to pH 8.3	-150	mg/L as CaCO3	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	152	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:09	
SM 2320 B	Bicarbonate	152	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:09	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:09	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X402145	MWD	01/11/24 11:09	
SM 2540 C	Total Diss. Solids	183	mg/L	10			X402135	TJL	01/12/24 14:10	
SM 2540 D	Total Susp. Solids	5.0	mg/L	5.0			X402136	TJL	01/12/24 15:00	
SM 4500 H B	pH @17.5°C	7.4	pH Units				X402145	MWD	01/11/24 11:09	H5



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **GVMW-107F**

Sampled: 09-Jan-24 11:45

SVL Sample ID: **X4A0148-02 (Ground Water)**

Received: 10-Jan-24

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	5.20	mg/L	0.20	0.02		X402128	RS	01/10/24 17:12	
EPA 300.0	Fluoride	0.963	mg/L	0.100	0.017		X402128	RS	01/10/24 17:12	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X402128	RS	01/10/24 17:12	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X402128	RS	01/10/24 17:12	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X402128	RS	01/10/24 17:12	
EPA 300.0	Sulfate as SO4	17.7	mg/L	0.30	0.18		X402128	RS	01/10/24 17:12	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.51 meq/L

Anion Sum: 3.61 meq/L

C/A Balance: -1.33 %

Calculated TDS: 175

TDS/cTDS: 1.04

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **RB1-0109**

Sampled: 09-Jan-24 10:05

Received: 10-Jan-24

Sampled By: PB

SVL Sample ID: **X4A0148-06 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X403056	SMU	01/22/24 14:23	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X403056	SMU	01/22/24 14:23	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X403056	SMU	01/22/24 14:23	
SM 2340 B	Hardness (as CaCO ₃)	< 2.31	mg/L	2.31	0.543		N/A		01/10/24 16:02	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X401134	SMU	01/11/24 14:27	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X401134	SMU	01/10/24 16:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X401134	SMU	01/10/24 16:02	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X401134	SMU	01/10/24 16:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X401134	SMU	01/10/24 16:02	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X401134	SMU	01/10/24 16:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X401134	SMU	01/10/24 16:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X401134	SMU	01/10/24 16:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X401134	SMU	01/10/24 16:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X401134	SMU	01/10/24 16:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X401134	SMU	01/10/24 16:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X401134	SMU	01/10/24 16:02	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X401134	SMU	01/10/24 16:02	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 16:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X401134	SMU	01/10/24 16:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X401134	SMU	01/10/24 16:02	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X401134	SMU	01/10/24 16:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 16:02	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X401134	SMU	01/10/24 16:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X401134	SMU	01/10/24 16:02	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X401134	SMU	01/10/24 16:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X403180	SMU	01/24/24 13:41	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X403180	SMU	01/24/24 13:41	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X403180	SMU	01/24/24 13:41	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X403180	SMU	01/24/24 13:41	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X403180	SMU	01/24/24 13:41	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X403062	MAC	01/22/24 13:50	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X403129	DD	01/19/24 13:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X403028	DD	01/17/24 10:06	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X403019	DD	01/16/24 13:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X403005	DD	01/22/24 15:21	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO ₃	10.0			X403136	MWD	01/19/24 10:43	
SM 2320 B	Total Alkalinity	1.6	mg/L as CaCO ₃	1.0			X402145	MWD	01/11/24 11:43	
SM 2320 B	Bicarbonate	1.6	mg/L as CaCO ₃	1.0			X402145	MWD	01/11/24 11:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X402145	MWD	01/11/24 11:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO ₃	1.0			X402145	MWD	01/11/24 11:43	
SM 2540 C	Total Diss. Solids	23	mg/L	10			X402135	TJL	01/12/24 14:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X402136	TJL	01/12/24 15:00	
SM 4500 H B	pH @18.7°C	6.1	pH Units				X402145	MWD	01/11/24 11:43	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 21



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Client Sample ID: **RB1-0109**

Sampled: 09-Jan-24 10:05

SVL Sample ID: **X4A0148-06 (Ground Water)**

Received: 10-Jan-24

Sample Report Page 2 of 2

Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X402128	RS	01/10/24 12:56	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X402128	RS	01/10/24 12:56	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X402128	RS	01/10/24 12:56	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X402128	RS	01/10/24 12:56	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X402128	RS	01/10/24 12:56	
EPA 300.0	Sulfate as SO ₄	0.50	mg/L	0.30	0.18		X402128	RS	01/10/24 12:56	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L

Anion Sum: 0.05 meq/L

C/A Balance: -16.62 %

Calculated TDS: 1

TDS/cTDS: 15.75

This data has been reviewed for accuracy and has been authorized for release.

Kathryn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X403056	22-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X403056	22-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X403056	22-Jan-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X401134	10-Jan-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X401134	10-Jan-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X401134	10-Jan-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X401134	10-Jan-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X401134	10-Jan-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X401134	10-Jan-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X401134	10-Jan-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X401134	10-Jan-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X401134	10-Jan-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X401134	10-Jan-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X401134	10-Jan-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X401134	10-Jan-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X401134	10-Jan-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X401134	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X401134	10-Jan-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X401134	10-Jan-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X401134	10-Jan-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X401134	10-Jan-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X401134	10-Jan-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X401134	10-Jan-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X401134	10-Jan-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X403019	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X402145	11-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X402135	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X402136	12-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X402128	10-Jan-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X402128	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X402128	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X402128	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X402128	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X402128	10-Jan-24	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	19.3	20.0	96	85 - 115	X403056	22-Jan-24	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X403056	22-Jan-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X403056	22-Jan-24	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	0.940	1.00	94.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.967	1.00	96.7	85 - 115	X401134	10-Jan-24	
EPA 200.7	Boron	mg/L	0.990	1.00	99.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Calcium	mg/L	18.9	20.0	94.3	85 - 115	X401134	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	1.00	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.971	1.00	97.1	85 - 115	X401134	10-Jan-24	
EPA 200.7	Copper	mg/L	0.995	1.00	99.5	85 - 115	X401134	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X401134	10-Jan-24	
EPA 200.7	Lead	mg/L	0.980	1.00	98.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.962	1.00	96.2	85 - 115	X401134	10-Jan-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X401134	10-Jan-24	
EPA 200.7	Manganese	mg/L	0.966	1.00	96.6	85 - 115	X401134	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.964	1.00	96.4	85 - 115	X401134	10-Jan-24	
EPA 200.7	Nickel	mg/L	0.990	1.00	99.0	85 - 115	X401134	10-Jan-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	96.9	85 - 115	X401134	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0516	0.0500	103	85 - 115	X401134	10-Jan-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.6	85 - 115	X401134	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.04	1.00	104	85 - 115	X401134	10-Jan-24	
EPA 200.7	Zinc	mg/L	0.988	1.00	98.8	85 - 115	X401134	10-Jan-24	
EPA 200.8	Antimony	mg/L	0.0232	0.0250	92.9	85 - 115	X403180	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.0	85 - 115	X403180	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0234	0.0250	93.7	85 - 115	X403180	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0233	0.0250	93.3	85 - 115	X403180	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0226	0.0250	90.5	85 - 115	X403180	24-Jan-24	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00199	0.00200	99.7	85 - 115	X403062	22-Jan-24	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.100	110	90 - 110	X403129	19-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X403028	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.924	1.00	92.4	90 - 110	X403019	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	0.100	100	90 - 110	X403005	22-Jan-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1580	1640	96.6	95.4 - 104	X403136	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	96.4 - 105	X402145	11-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.4	99.3	99.1	96.4 - 105	X402145	11-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	396	397	99.6	96.4 - 105	X402145	11-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X402136	12-Jan-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.07	3.00	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.02	2.00	101	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.61	4.50	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X402128	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X402128	10-Jan-24	

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO ₃	<10.0	<10.0	UDL	20	X403136 - X4A0148-01	19-Jan-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	152	152	0.3	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	152	152	0.3	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402145 - X4A0148-02	11-Jan-24	
SM 2320 B	Hydroxide	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X402145 - X4A0148-02	11-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	270	272	0.7	10	X402135 - X4A0137-02	12-Jan-24	
SM 2540 C	Total Diss. Solids	mg/L	481	467	3.0	10	X402135 - X4A0148-03	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X402136 - X4A0137-02	12-Jan-24	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X402136 - X4A0148-03	12-Jan-24	
SM 4500 H B	pH @17.3°C	pH Units	7.3	7.4	1.2	20	X402145 - X4A0148-02	11-Jan-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	39.7	20.0	20.0	98	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Calcium	mg/L	72.7	51.7	20.0	105	70 - 130	X403056 - X4A0174-03	22-Jan-24	
EPA 200.7	Magnesium	mg/L	27.3	6.37	20.0	104	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Magnesium	mg/L	23.1	1.59	20.0	108	70 - 130	X403056 - X4A0174-03	22-Jan-24	
EPA 200.7	Potassium	mg/L	21.0	1.21	20.0	99.1	70 - 130	X403056 - X4A0146-01	22-Jan-24	
EPA 200.7	Potassium	mg/L	25.3	4.98	20.0	101	70 - 130	X403056 - X4A0174-03	22-Jan-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.932	<0.080	1.00	93.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Aluminum	mg/L	0.960	<0.080	1.00	96.0	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Barium	mg/L	1.05	0.0389	1.00	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.975	<0.00200	1.00	97.5	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Beryllium	mg/L	0.974	<0.00200	1.00	97.4	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Calcium	mg/L	64.8	46.1	20.0	93.6	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Calcium	mg/L	19.2	<0.100	20.0	95.9	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Chromium	mg/L	1.02	<0.0060	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Cobalt	mg/L	0.990	<0.0060	1.00	99.0	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Lead	mg/L	0.983	<0.0075	1.00	98.3	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Lead	mg/L	1.01	<0.0075	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.987	<0.040	1.00	98.7	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Lithium	mg/L	0.976	<0.040	1.00	97.6	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Magnesium	mg/L	30.6	11.0	20.0	98.0	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Magnesium	mg/L	19.9	<0.500	20.0	99.5	70 - 130	X401134 - X4A0148-07	10-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 18 of 21

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.993	0.0216	1.00	97.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Manganese	mg/L	0.981	<0.0080	1.00	98.1	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.964	<0.0080	1.00	96.4	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Nickel	mg/L	0.982	<0.0100	1.00	98.2	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Potassium	mg/L	22.5	2.44	20.0	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	98.9	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0517	<0.0050	0.0500	103	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Silver	mg/L	0.0527	<0.0050	0.0500	105	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Sodium	mg/L	51.9	33.4	19.0	97.6	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Sodium	mg/L	20.1	1.12	19.0	99.8	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.7	Zinc	mg/L	1.00	<0.0100	1.00	100	70 - 130	X401134 - X4A0062-01	10-Jan-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X401134 - X4A0148-07	10-Jan-24	
EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.7	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00500	0.0250	115	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Arsenic	mg/L	0.0238	<0.00100	0.0250	95.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Arsenic	mg/L	0.0294	<0.00500	0.0250	118	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	92.6	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00500	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Thallium	mg/L	0.0225	<0.000200	0.0250	90.1	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Thallium	mg/L	0.0286	<0.00100	0.0250	114	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
EPA 200.8	Uranium	mg/L	0.0297	0.00423	0.0250	102	70 - 130	X403180 - X4A0257-01	24-Jan-24	
EPA 200.8	Uranium	mg/L	0.0335	0.00345	0.0250	120	70 - 130	X403180 - X4A0148-01	25-Jan-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X403062 - X4A0148-01	22-Jan-24	
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	103	70 - 130	X403062 - X4A0166-01	22-Jan-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X403129 - X4A0062-01	19-Jan-24	R2B
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X403028 - X4A0148-01	17-Jan-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X403028 - X4A0148-02	17-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.995	<0.030	1.00	98.0	90 - 110	X403019 - X4A0148-01	16-Jan-24	
EPA 350.1	Ammonia as N	mg/L	0.933	<0.030	1.00	92.0	90 - 110	X403019 - X4A0148-02	16-Jan-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	97.0	82 - 118	X403005 - X4A0062-01	22-Jan-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.21	<0.20	3.00	103	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Chloride	mg/L	3.17	<0.20	3.00	102	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.07	<0.100	2.00	102	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Fluoride	mg/L	2.04	<0.100	2.00	101	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	101	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.16	<0.100	4.00	104	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	<0.100	4.00	103	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.11	<0.050	2.00	105	90 - 110	X402128 - X4A0148-06	10-Jan-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X402128 - X4A0148-07	10-Jan-24	
EPA 300.0	Sulfate as SO4	mg/L	11.1	0.50	10.0	106	90 - 110	X402128 - X4A0148-06	10-Jan-24	

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 19 of 21

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X4A0148**

Reported: 25-Jan-24 13:32

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
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Anions by Ion Chromatography (Continued)

EPA 300.0	Sulfate as SO4	mg/L	10.7	<0.30	10.0	104	90 - 110	X402128 - X4A0148-07	10-Jan-24	
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Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	mg/L	38.8	39.7	20.0	2.0	20	94	X403056 - X4A0146-01	
EPA 200.7	Magnesium	mg/L	26.4	27.3	20.0	3.2	20	100	X403056 - X4A0146-01	
EPA 200.7	Potassium	mg/L	20.6	21.0	20.0	1.9	20	97.1	X403056 - X4A0146-01	

Metals (Dissolved)

EPA 200.7	Aluminum	mg/L	0.968	0.932	1.00	3.7	20	96.8	X401134 - X4A0062-01	
EPA 200.7	Barium	mg/L	1.07	1.05	1.00	1.8	20	103	X401134 - X4A0062-01	
EPA 200.7	Beryllium	mg/L	0.992	0.975	1.00	1.7	20	99.2	X401134 - X4A0062-01	
EPA 200.7	Boron	mg/L	1.05	1.04	1.00	1.6	20	102	X401134 - X4A0062-01	
EPA 200.7	Cadmium	mg/L	1.04	1.03	1.00	0.8	20	104	X401134 - X4A0062-01	
EPA 200.7	Calcium	mg/L	66.4	64.8	20.0	2.4	20	101	X401134 - X4A0062-01	
EPA 200.7	Chromium	mg/L	1.02	1.01	1.00	0.9	20	102	X401134 - X4A0062-01	
EPA 200.7	Cobalt	mg/L	0.977	0.972	1.00	0.5	20	97.7	X401134 - X4A0062-01	
EPA 200.7	Copper	mg/L	1.01	1.00	1.00	0.7	20	101	X401134 - X4A0062-01	
EPA 200.7	Iron	mg/L	10.3	10.1	10.0	1.6	20	103	X401134 - X4A0062-01	
EPA 200.7	Lead	mg/L	0.988	0.983	1.00	0.5	20	98.8	X401134 - X4A0062-01	
EPA 200.7	Lithium	mg/L	1.01	0.987	1.00	2.5	20	101	X401134 - X4A0062-01	
EPA 200.7	Magnesium	mg/L	31.1	30.6	20.0	1.7	20	101	X401134 - X4A0062-01	
EPA 200.7	Manganese	mg/L	1.01	0.993	1.00	2.1	20	99.3	X401134 - X4A0062-01	
EPA 200.7	Molybdenum	mg/L	0.974	0.964	1.00	1.1	20	97.4	X401134 - X4A0062-01	
EPA 200.7	Nickel	mg/L	0.988	0.982	1.00	0.6	20	98.8	X401134 - X4A0062-01	
EPA 200.7	Potassium	mg/L	22.8	22.5	20.0	1.7	20	102	X401134 - X4A0062-01	
EPA 200.7	Silver	mg/L	0.0527	0.0517	0.0500	1.9	20	105	X401134 - X4A0062-01	
EPA 200.7	Sodium	mg/L	52.8	51.9	19.0	1.6	20	102	X401134 - X4A0062-01	
EPA 200.7	Vanadium	mg/L	1.05	1.05	1.00	0.3	20	105	X401134 - X4A0062-01	
EPA 200.7	Zinc	mg/L	1.01	1.00	1.00	0.4	20	101	X401134 - X4A0062-01	

Metals (Filtered)

EPA 245.1	Mercury	mg/L	0.00196	0.00202	0.00200	3.3	20	97.8	X403062 - X4A0148-01	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.113	0.100	0.100	12.2	11	113	X403129 - X4A0062-01	R2B
EPA 335.4	Cyanide (total)	mg/L	0.103	0.101	0.100	2.3	20	103	X403028 - X4A0148-01	
EPA 350.1	Ammonia as N	mg/L	1.00	0.995	1.00	1.0	20	99.0	X403019 - X4A0148-01	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	0.100	1.0	11	98.0	X403005 - X4A0062-01	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.28	3.21	3.00	2.1	20	105	X402128 - X4A0148-06	
EPA 300.0	Fluoride	mg/L	2.10	2.07	2.00	1.5	20	104	X402128 - X4A0148-06	
EPA 300.0	Nitrate as N	mg/L	2.08	2.05	2.00	1.5	20	104	X402128 - X4A0148-06	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.22	4.16	4.00	1.5	20	106	X402128 - X4A0148-06	
EPA 300.0	Nitrite as N	mg/L	2.14	2.11	2.00	1.5	20	107	X402128 - X4A0148-06	
EPA 300.0	Sulfate as SO4	mg/L	11.2	11.1	10.0	1.2	20	107	X402128 - X4A0148-06	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order:

X4A0148

Reported:

25-Jan-24 13:32

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable



Cripple Creek & Victor
Gold Mining Company

P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

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F 719.689.3254
newmont.com

Attachment 3

Sampling Logs

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-16Date: 1-8-24Technician: P. BarelaQuarter: 1

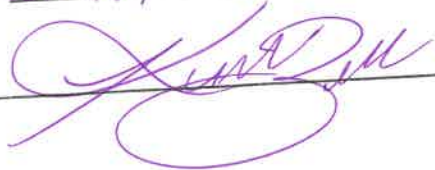
Time	pH (SU)	Cond. (uS/cm)	Temp. (°C)	Notes
9:10	/	/	/	/

Sample
Method:

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: windy, very coldSignature: 

Comments:

Covered in snow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-17Date: 1-8-24Technician: P. BarciaQuarter: 1

Time	pH (S.D.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:16	/	/	/	/

Sample
Method: _____

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather: windy, very cold

Signature: _____

Comments:

Corend in snow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 1-8-24Location: EMP-17AQuarter: 1Technician: P. Barela

Time	pH (SU)	Cond. (uS/cm)	Temp. (°C)	Notes
9:15	/	/	/	/

Sample
Method: _____

Oil/Gas visible [Y/N] /

Turbid [Y/N] /

Clear [Y/N] /

Weather: Windy, very coldSignature: [Signature]

Comments:

Frozen. Covered in snow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-17 BDate: 1-8-24Technician: P. BarciaQuarter: 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:16	/	/	/	/

Sample Method: _____

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather: windy, very cold

Signature: _____

Comments:

Corewd in snow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 1-8-23Location: EMP-20Quarter: 1Technician: P. Barile

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:18	/	/	/	/

Sample
Method:

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather: windy, very coldSignature: 

Comments:

Dry covered in snow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-02Date: 1-8-24Technician: P. BarilaQuarter: 1

Date	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
8:50	/	/	/	/

Sample
Method: _____

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather: windy, very coldSignature: [Signature]

Comments:

Dry. Covered in snow
/ NO FLOW

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-03Date: 1-8-24Technician: P. BanejaQuarter: 1

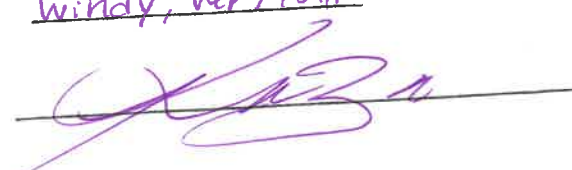
Time	pH (SU)	Cond. (uS/cm)	Temp. (°C)	Notes
8:42	/	/	/	/

Sample
Method:

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: windy, very coldSignature: 

Comments:

Dry, covered in snow
NO FLOW

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-06Date: 1-8-24Technician: D. BarelaQuarter: 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
8:46	/	/	/	/

Sample
Method:

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather:

windy, very cold

Signature:



Comments:

Frozen
SolidNO Flow visible. Tried breaking
the ice but wasn't able to.

Volume Calculations:	
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$	For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$	
Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$	
Well Volume Purge Method: $Three\ Well\ Volumes = 3*V$	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	Show Calculations:

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: RB1 -0109Date: 1-9-24Technician: P. BarolaQuarter: 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:05	6.60	3.13	3.6	DZ water

Sample Method:

Grab

Oil/Gas visible

[Y/N] 0

Turbid

[Y/N] 0

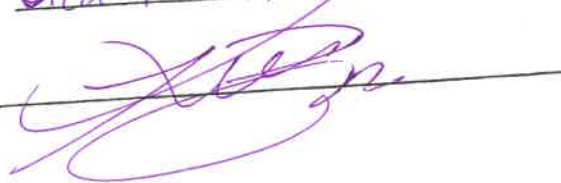
Clear

[Y/N] 0

Weather:

Clear, windy

Signature:



Comments:

RB before sampling GRMW-7B

Show Calculations:

use 5 gal bucket

Show Calculations:

Show Calculations:

Volume Calculations:	
For 2" Diameter Well (gal):	$V(gal) = 0.1632 * h(ft)$
For 4" Diameter Well (gal):	$V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal):	$V(gal) = 0.1632 * (r(in))^2 * h(ft)$
Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$	
Well Volume Purge Method: $Three\ Well\ Volumes = 3*V$	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	Show Calculations:

Show Calculations:

Volume Calculations:	
For 2" Diameter Well (gal):	$V(gal) = 0.1632 * h(ft)$
For 4" Diameter Well (gal):	$V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal):	$V(gal) = 0.1632 * (r(in))^2 * h(ft)$
Water Column Calculation:	$h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$
Well Volume Purge Method:	$Three\ Well\ Volumes = 3 * V$
Conversions:	Show Calculations:
$1ft^3 = 7.48\ gal$	
$1gal = 3.785\ L$	

Show Calculations:

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Seep-1Date: 1-8-24Technician: P. BurlicaQuarter: 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:20	/	/	/	/

Sample
Method: _____

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: windy, very cold

Signature: _____

Comments:

Frozen. covered in snow
NO flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Seep-2Date: 1-8-24Technician: P. BarilaQuarter: 1

Time	pH (SU)	Cond. (uS/cm)	Temp. (°C)	Notes
9:24	/	/	/	/

Sample
Method: _____

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]

Weather: windy, very cold

Signature: _____

Comments:

Frozen. Covered in Snow
NO Flow