



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

P 719.689.2977
F 719.689.3254
newmont.com

January 25, 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 December 2023 Report Submission, January 25, 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.

Table 1 below summarizes all monitored locations and status during the current monitoring period. Attachment A contains graphs displaying historic analytical data from GVMW-25. Attachment B contains analytical reports for samples collected during this monitoring period. Attachment C contains surface and groundwater sampling logs and Attachment D is a map of monitoring locations.

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

File: "C:\Users\19012214\Newmont USA Limited\CC&V - S&ER Environmental - Environmental Compliance\Water\DRMS\Grassy Monthly\12 - December 2023\Final"



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Table 1

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

Monitoring Location	Date Monitored/Status
GVMW-4A	12/5/2023 - Depth beyond capabilities
GVMW-4B	P&A
GVMW-7A	12/6/2023
GVMW-7B	12/6/2023 - NS-IW
GVMW-8A	12/12/2023
GVMW-8B	12/12/2023
GVMW-10	12/20/2023
GVMW-15A	12/5/2023 - Depth beyond capabilities
GVMW-15B	12/12/23
GVMW-15C	12/5/2023 - Depth beyond capabilities
GVMW-22A	12/6/2023
GVMW-22B	12/6/2023
GVMW-24A	12/20/2023 - NS-IW
GVMW-24B	12/5/2023 - NS-IW
GV-02	12/5/2023 - D
GV-03	12/5/2023 - D
GV-06	12/5/2023 - F
EMP-016	12/5/2023 - F
EMP-017	12/5/2023 - F
EMP-017A	12/5/2023 - F
EMP-17B	12/5/2023 - F
EMP-020	12/5/2023 - D
GVMW-25	12/6/2023
GVMW-26A	12/7/2023
GVMW-26B	12/7/2023
Ecosa Seep-1	12/5/2023 - F
Ecosa Seep-2	12/5/2023 - F

Notes:

D - Dry

F - Frozen

NS-IW - Not sampled due to insufficient water

P&A - Plugged and abandoned



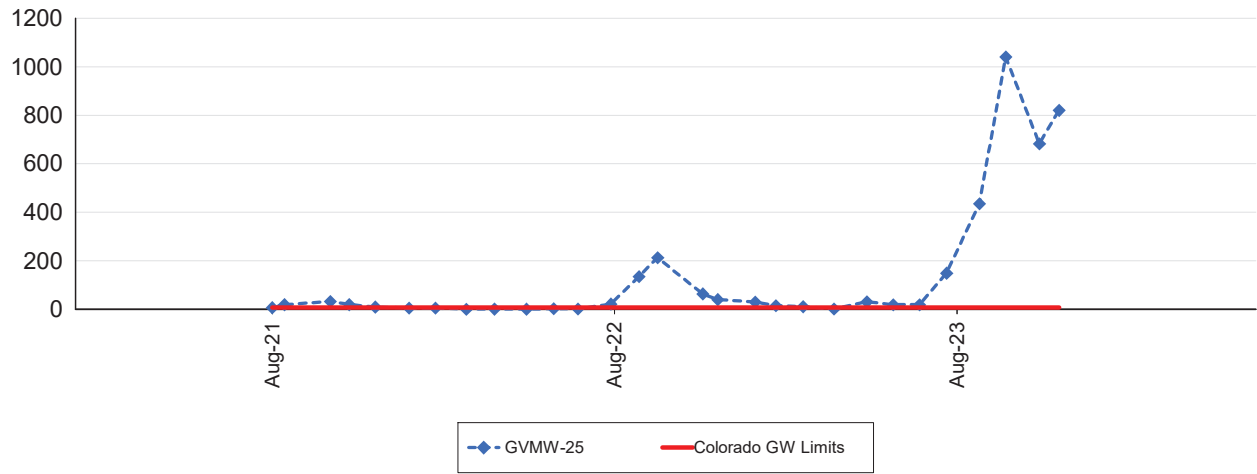
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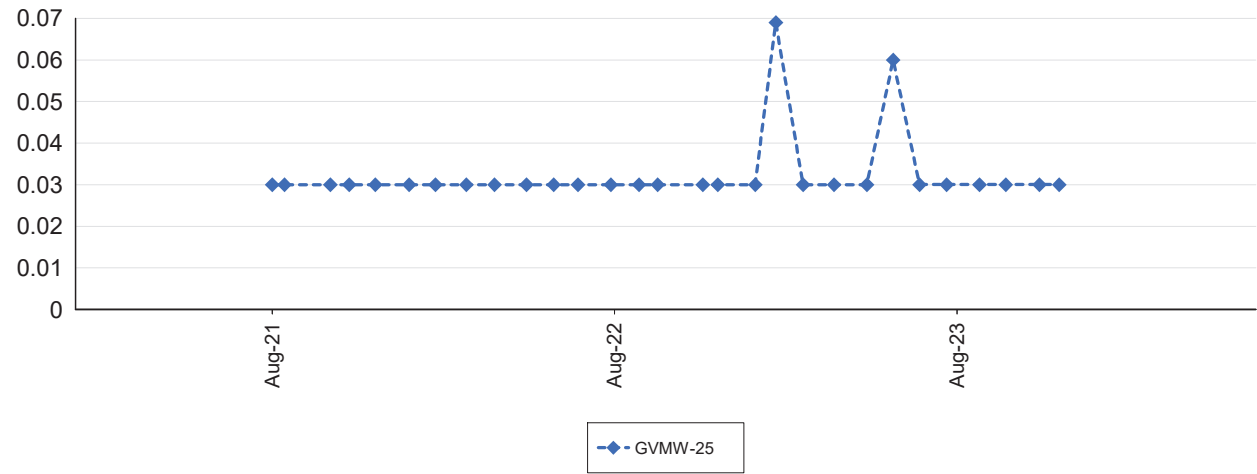
Attachment A

GVMW-25 Analytical Data Graphs

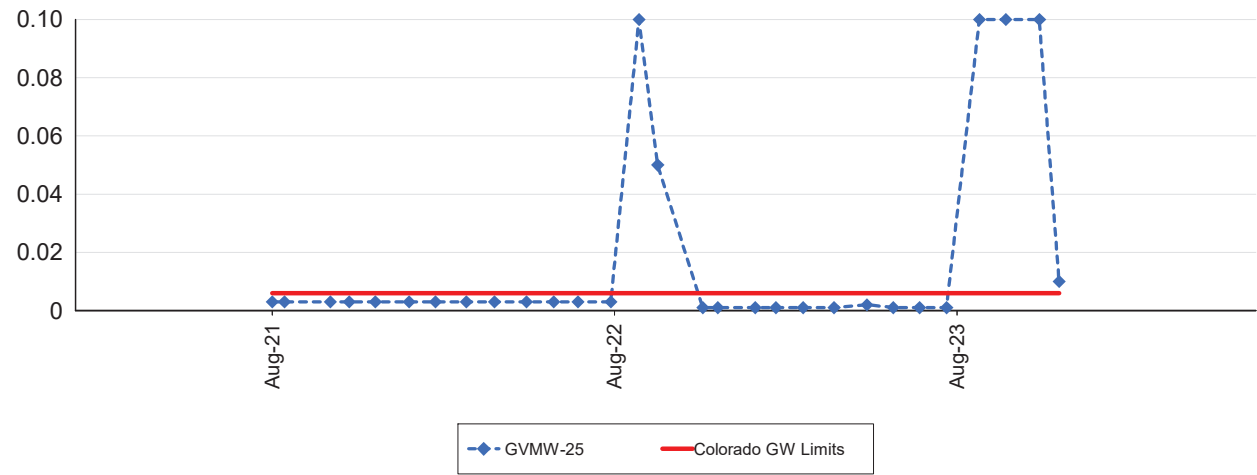
: Aluminium - Dissolved (mg/L)



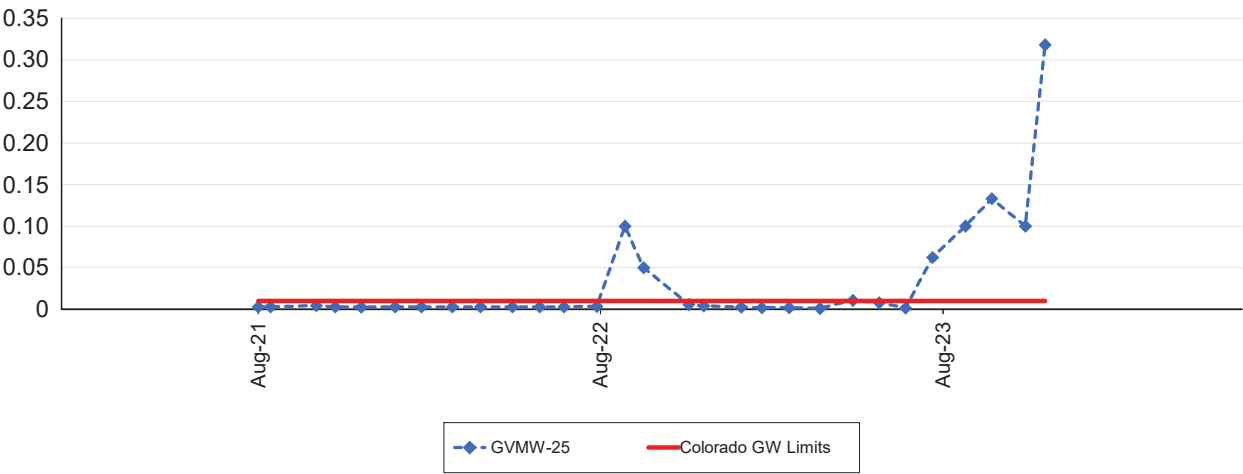
: Ammonia (mg/L)



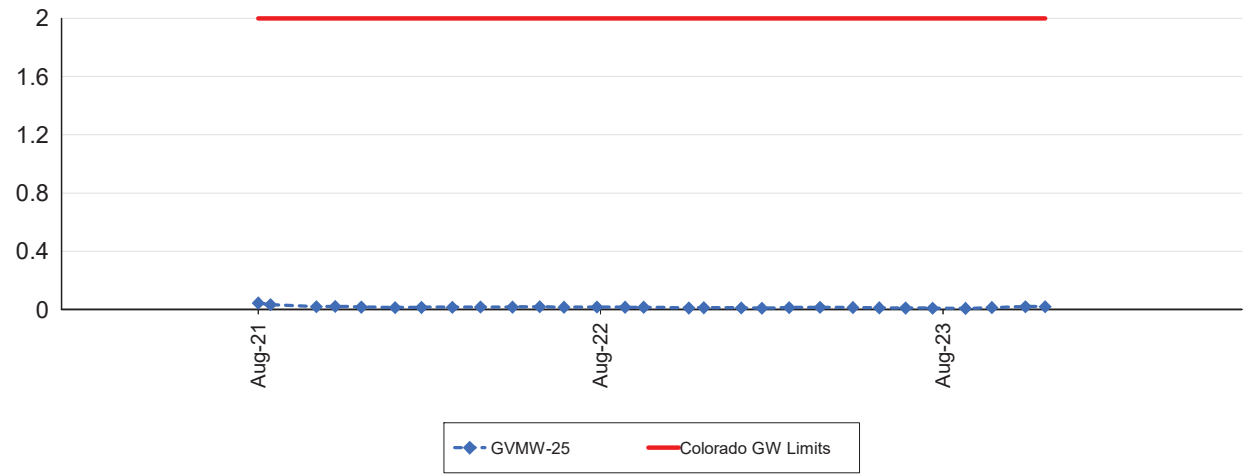
: Antimony - Dissolved (mg/L)



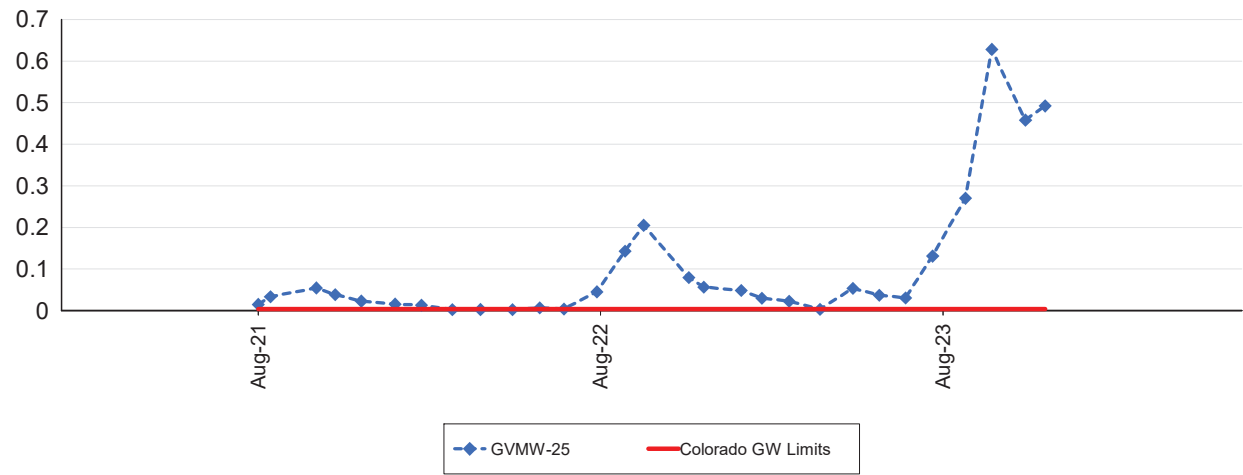
: Arsenic - Dissolved (mg/L)



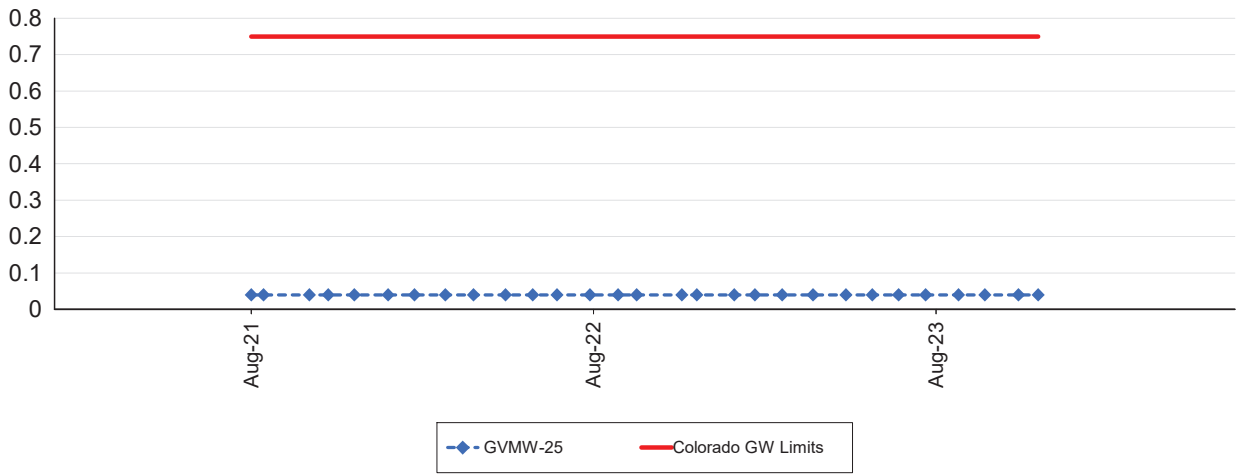
: Barium - Dissolved (mg/L)



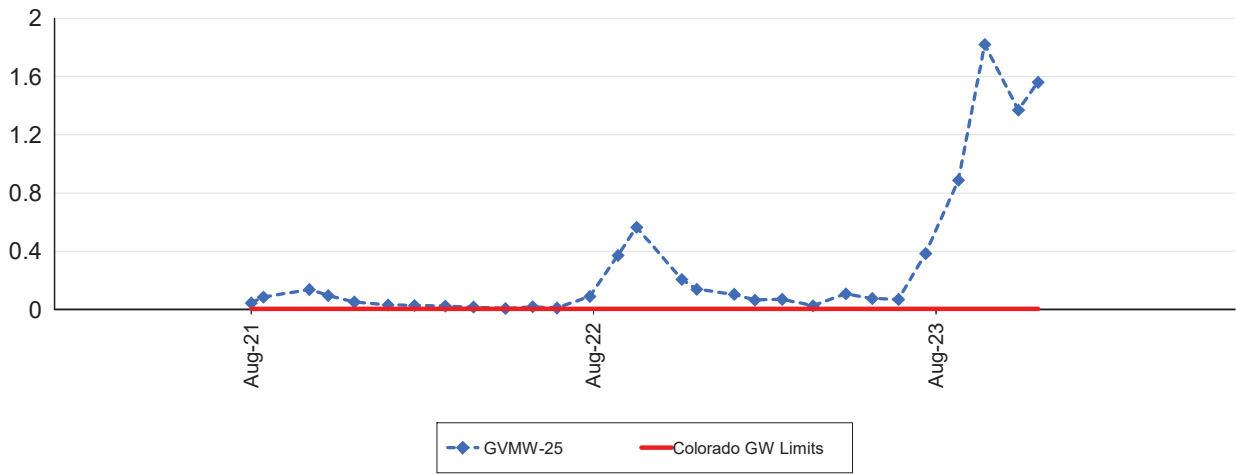
: Beryllium - Dissolved (mg/L)



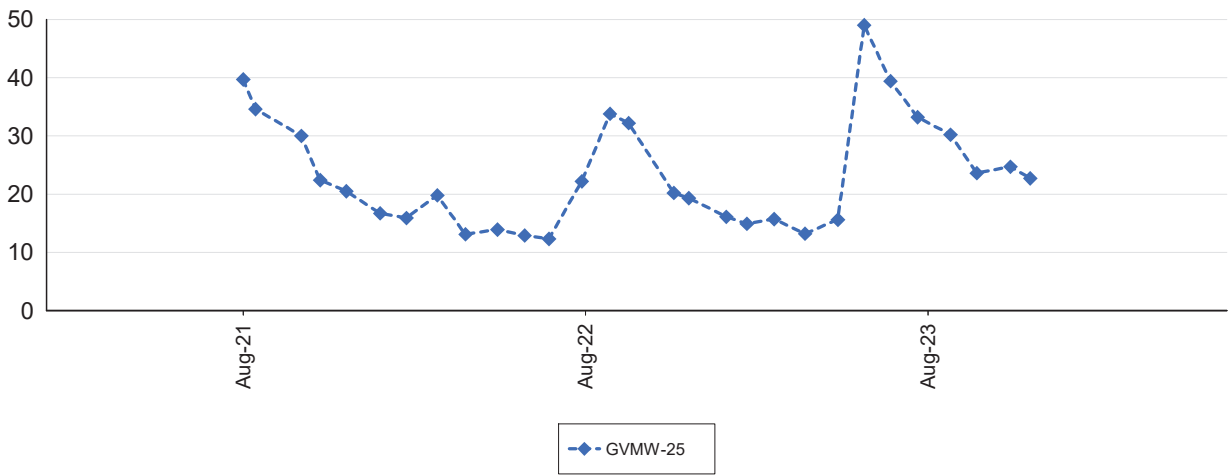
: Boron - Dissolved (mg/L)



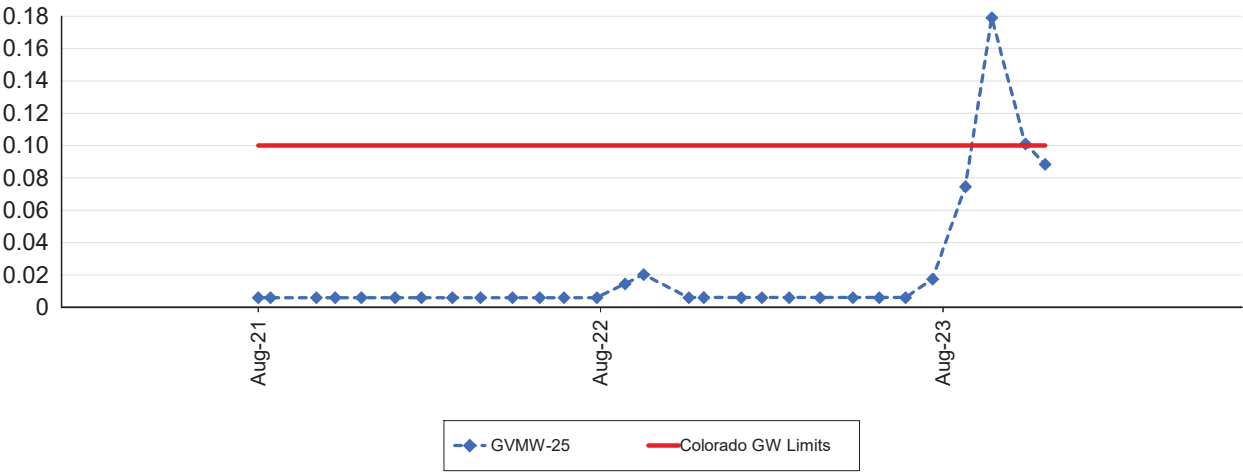
: Cadmium - Dissolved (mg/L)

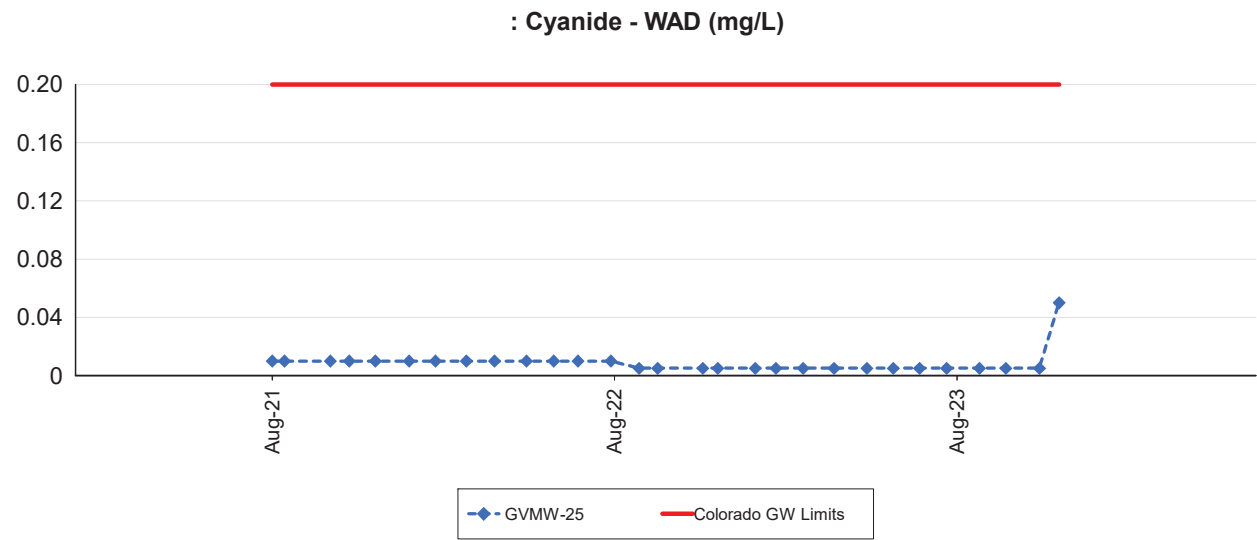
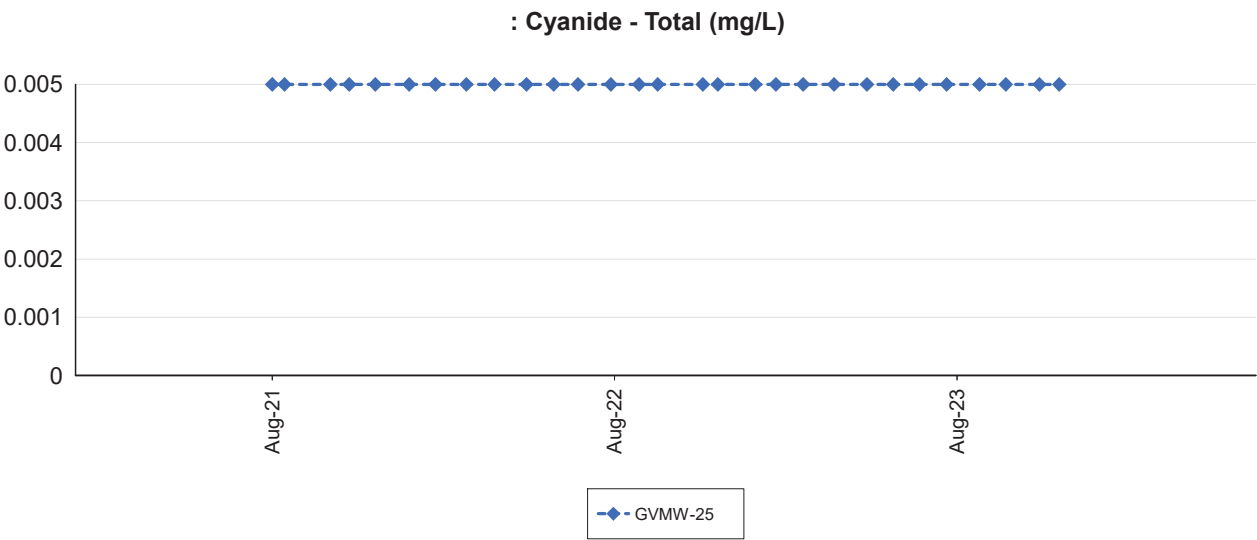
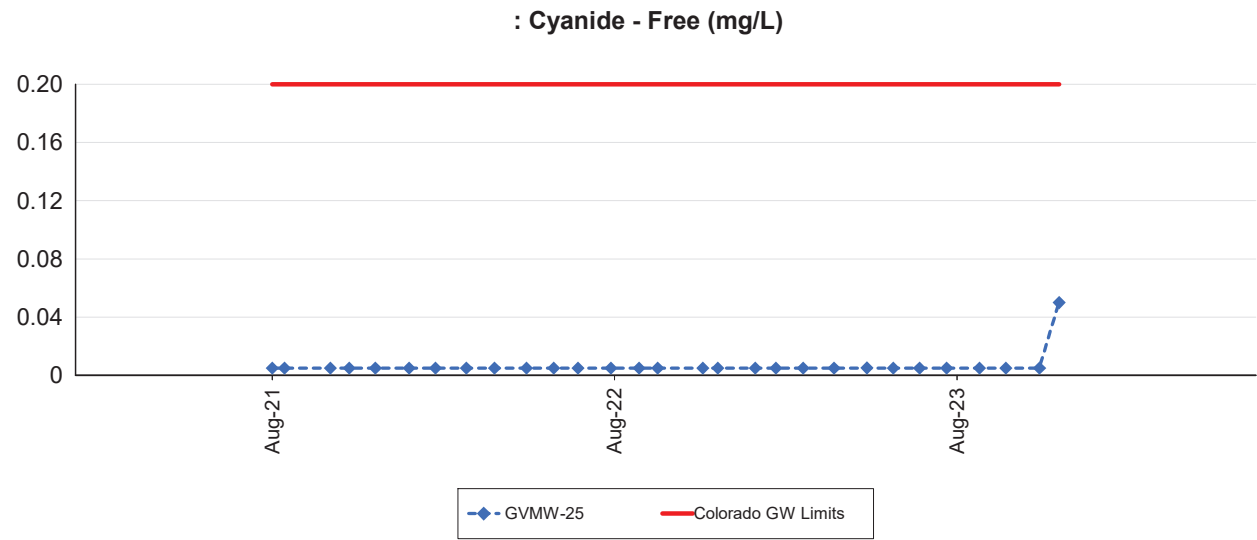


: Chloride - Total (mg/L)

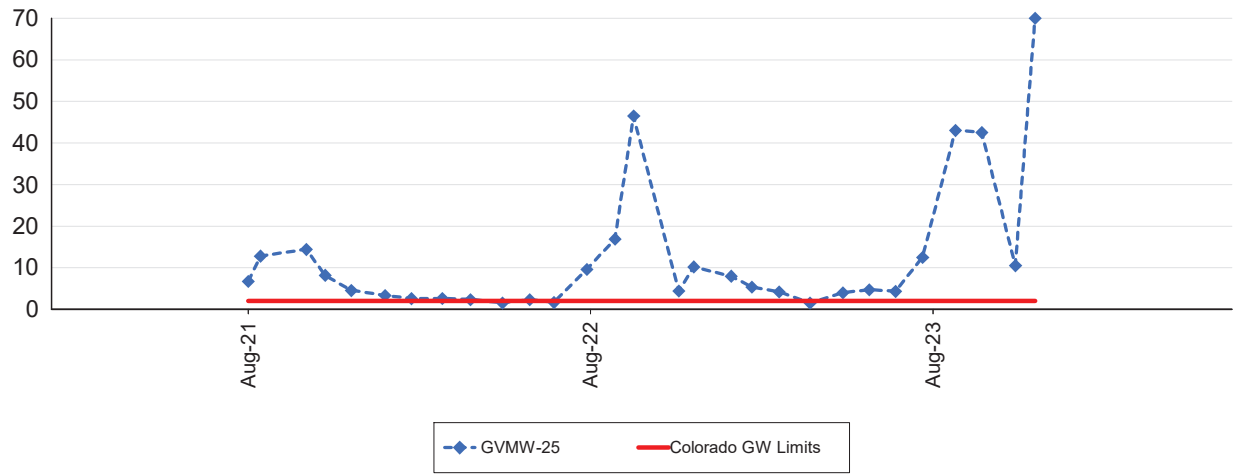


: Chromium - Dissolved (mg/L)

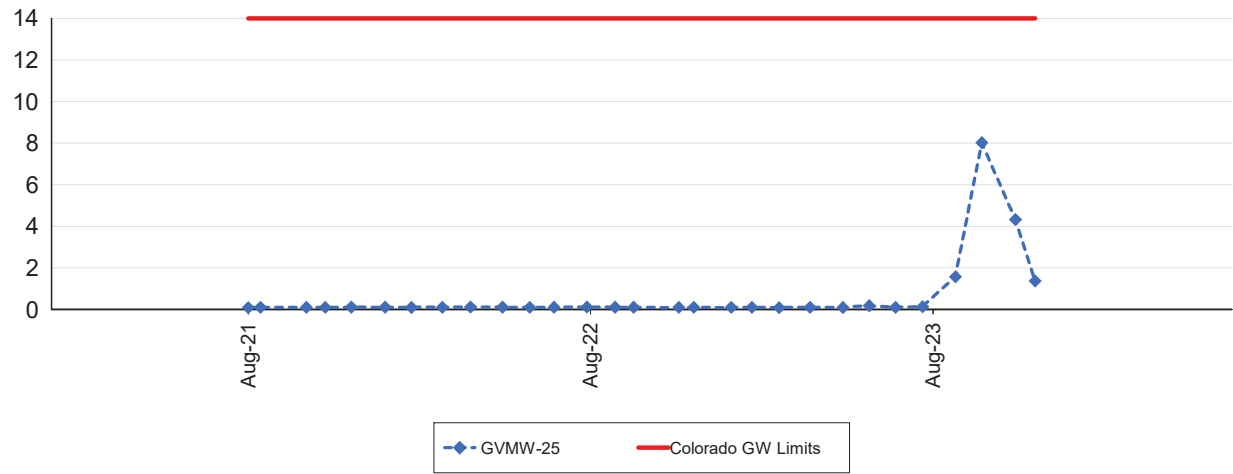




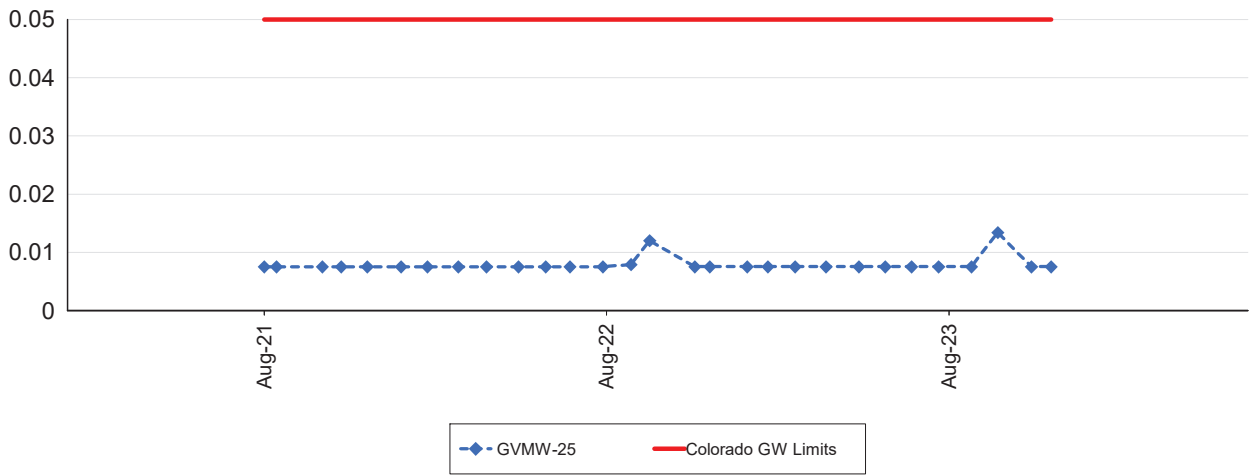
: Fluoride - Total F (mg/L)



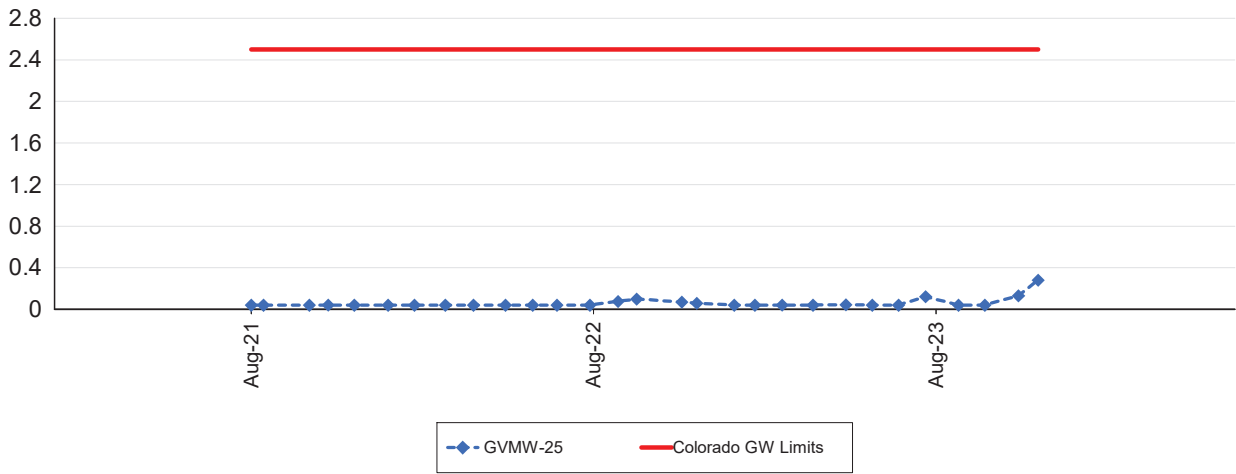
: Iron - Dissolved (mg/L)



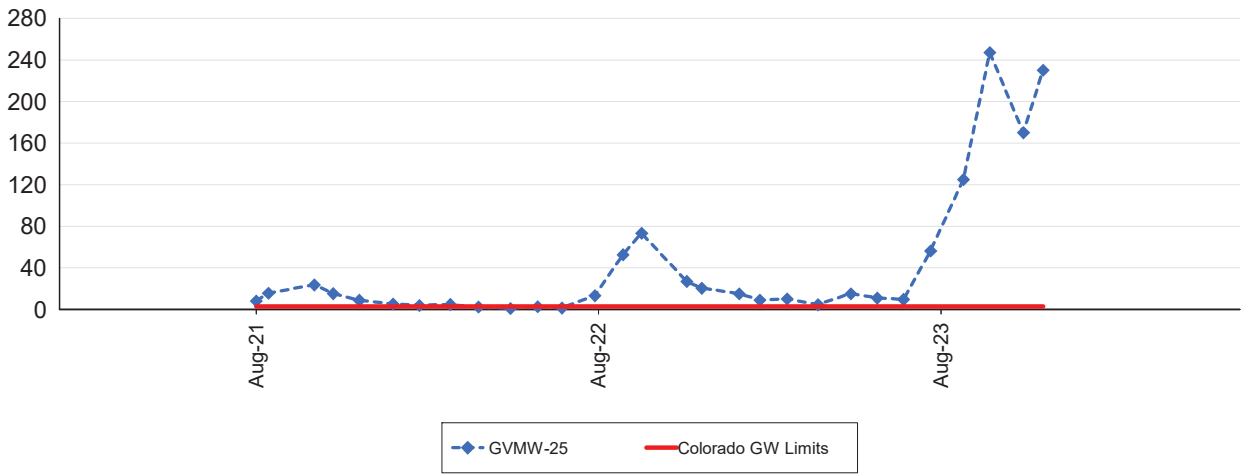
: Lead - Dissolved (mg/L)



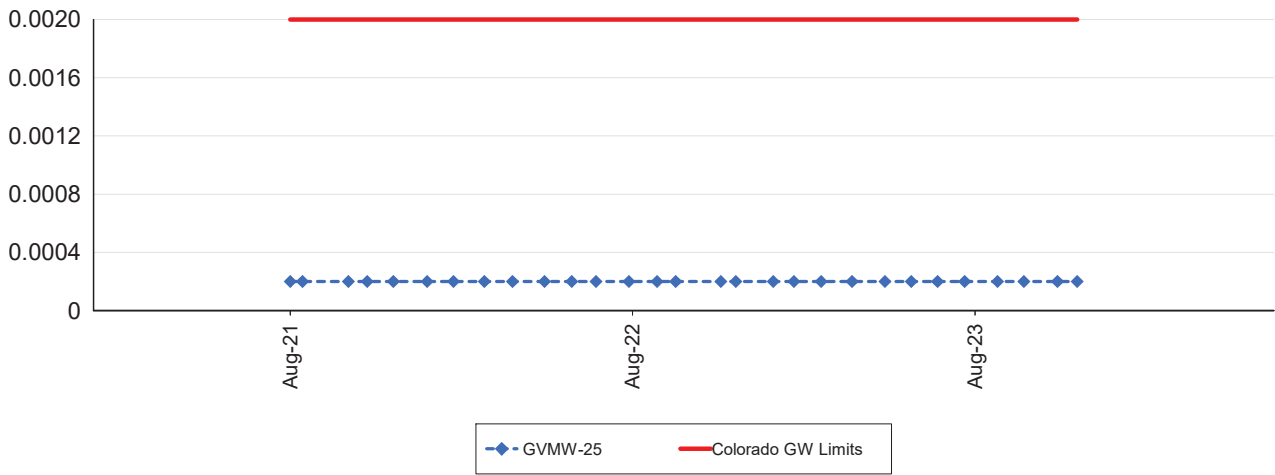
: Lithium - Dissolved (mg/L)



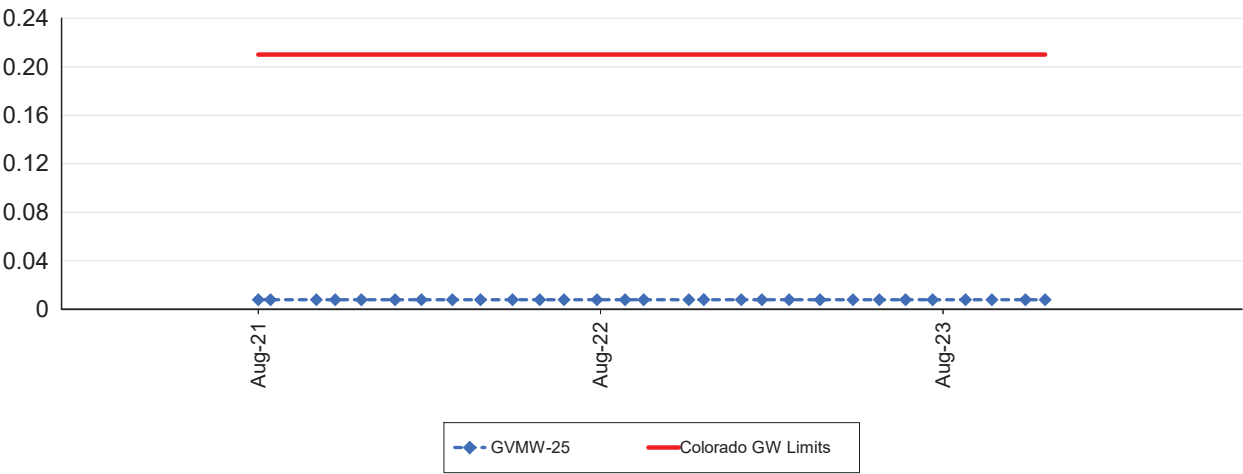
: Manganese - Dissolved (mg/L)



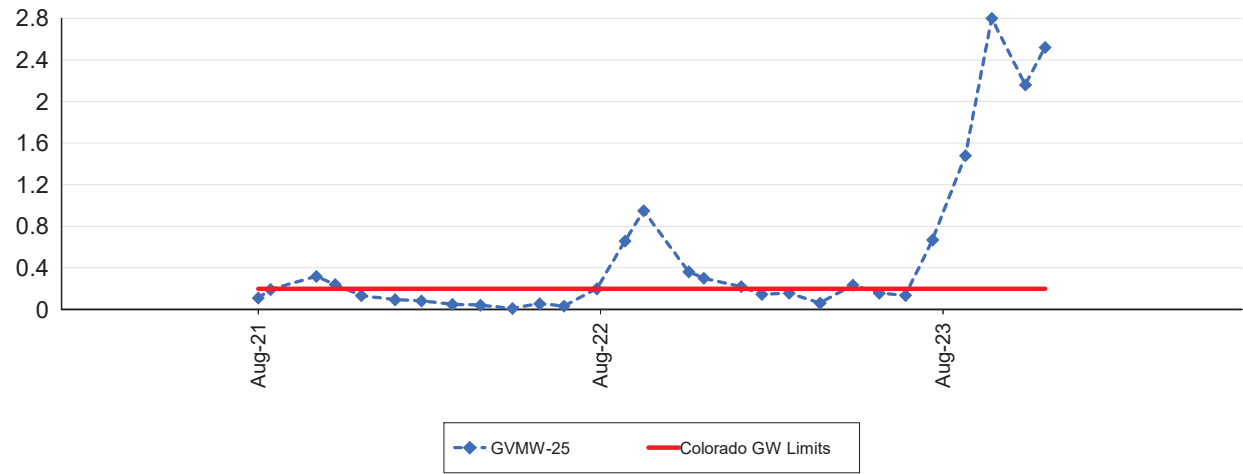
: Mercury - Dissolved (mg/L)



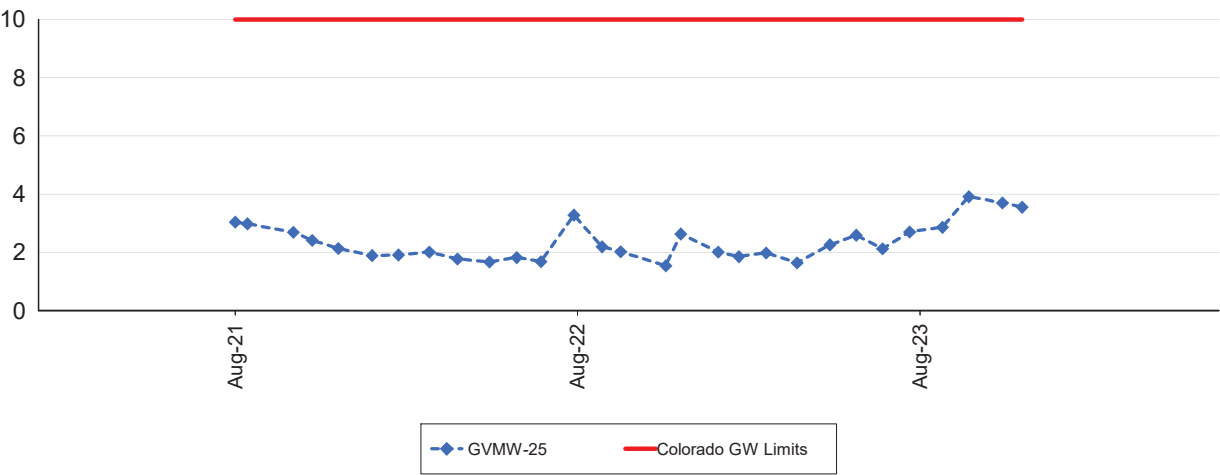
: Molybdenum - Dissolved (mg/L)



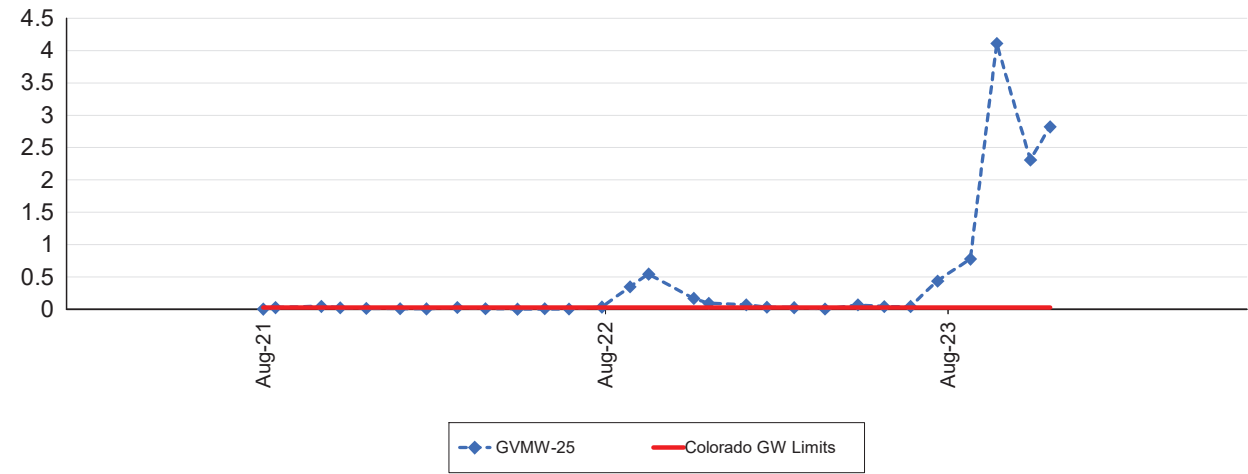
: Nickel - Dissolved (mg/L)



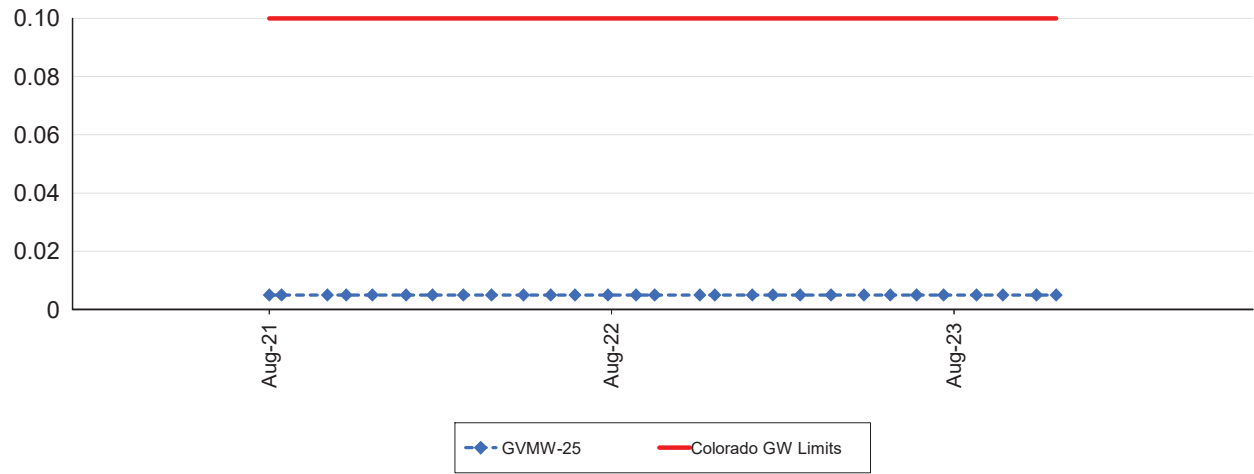
: Nitrate as Nitrogen (mg/L)



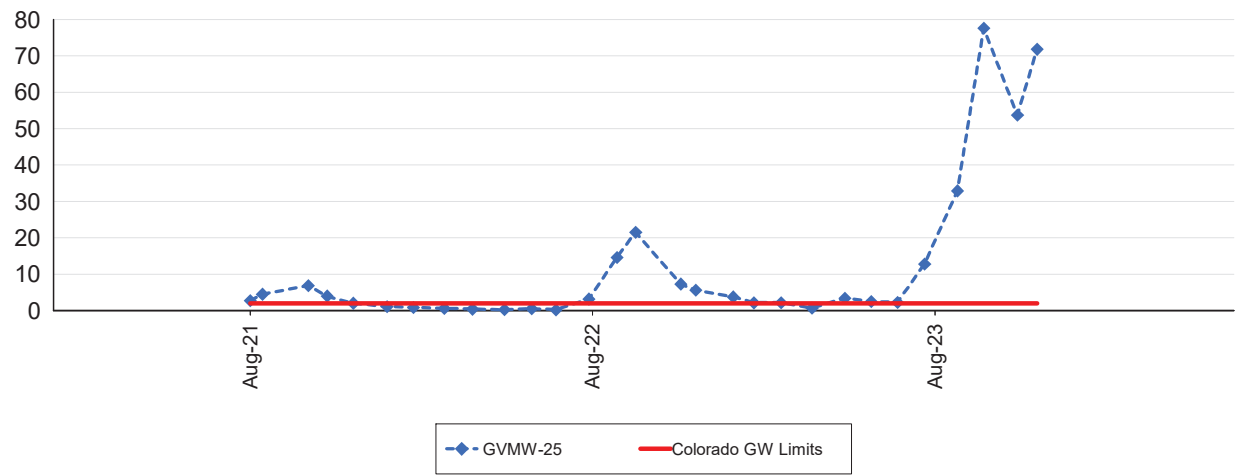
: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)





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Attachment B

Analytical Reports



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: **X3L0112**

Reported: 08-Jan-24 10:58

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

Sampled: 06-Dec-23 10:20

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-02 (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	33.6	mg/L	0.100	0.069		X350051	JRR	12/13/23 09:36	
EPA 200.7	Magnesium	16.1	mg/L	0.500	0.090		X350051	JRR	12/13/23 09:36	
EPA 200.7	Potassium	0.75	mg/L	0.50	0.18		X350051	JRR	12/13/23 09:36	
SM 2340 B	Hardness (as CaCO3)	149	mg/L	2.31	0.543		N/A		12/12/23 15:24	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:24	
EPA 200.7	Barium	0.148	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:24	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:24	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:24	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:24	
EPA 200.7	Calcium	33.3	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:24	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:24	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:24	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:24	
EPA 200.7	Iron	0.926	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:24	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:24	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:24	
EPA 200.7	Magnesium	15.5	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:24	
EPA 200.7	Manganese	0.178	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:24	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:24	
EPA 200.7	Potassium	0.74	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:24	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:24	
EPA 200.7	Sodium	8.36	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:24	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:24	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X349219	JRR	12/12/23 15:24	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X349242	SMU	01/04/24 13:38	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X349242	SMU	01/04/24 13:38	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X349242	SMU	01/04/24 13:38	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X349242	SMU	01/04/24 13:38	D1
EPA 200.8	Uranium	0.00418	mg/L	0.000200	0.000104	2	X349242	SMU	01/04/24 13:38	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:45	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X349202	DD	12/07/23 15:08	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:33	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 12:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X350055	DD	12/14/23 11:37	
SM 2310 B	Acidity to pH 8.3	-152	mg/L as CaCO3	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	153	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:43	
SM 2320 B	Bicarbonate	153	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:43	
SM 2540 C	Total Diss. Solids	188	mg/L	10			X349222	TJL	12/09/23 11:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	
SM 4500 H B	pH @18.9°C	7.6	pH Units				X349290	MWD	12/08/23 17:43	H5

SVL holds the following certifications:

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

Work order Report Page 4 of 19



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: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **GVMW-7A**SVL Sample ID: **X3L0112-02 (Ground Water)**

Sampled: 06-Dec-23 10:20

Received: 07-Dec-23

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	4.95	mg/L	0.20	0.02		X349187	RS	12/08/23 00:38	
EPA 300.0	Fluoride	0.926	mg/L	0.100	0.017		X349187	RS	12/08/23 00:38	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X349187	RS	12/08/23 00:38	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X349187	RS	12/08/23 00:38	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X349187	RS	12/08/23 00:38	
EPA 300.0	Sulfate as SO4	16.8	mg/L	0.30	0.18		X349187	RS	12/08/23 00:38	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.37 meq/L

Anion Sum: 3.60 meq/L

C/A Balance: -3.24 %

Calculated TDS: 173

TDS/cTDS: 1.09

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

Kathryn Salter
Project Manager



One Government Gulch - PO Box 929

Elgin, IL 60120-0929

(20V) 7V4-128V

www.svgnet.com

Newmont - Cripple Creek & Victor

Post Office Box 191

Cripple Creek, CO 80809

Work Order:

X3L0188

Reported:

08-Jan-24 12:5V

6 gient Sample ID : GVMW-8A

Sampled: 12-3 ec-25 11:50

Received: 15-3 ec-25

Sampled By: PB

Sr L Sample ID : X3L0188-02 (Ground Water)

Sample Report Page 1 of 2

Method	Analyte	Result	Units	RL	M3 L	3 igit	Batch	Analyte	Analyzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	49.2	ml/L	0.100	0.0K9		X58021K	SMU	12/19/25 1V:51	
EPA 200.7	Magnesium	K52	ml/L	0.800	0.090		X58021K	SMU	12/19/25 1V:51	
EPA 200.7	Potassium	0.74	ml/L	0.80	0.1V		X58021K	SMU	12/19/25 1V:51	
SM 2540 B	Hardness (as CaCO3)	149	ml/L	2.51	0.845		N/A		12/2K/25 09:5K	

Metals (Dissolved)

EPA 200.7	Agminum	< 0.0V0	ml/L	0.0V0	0.084		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Ba,ium	< 0.0020	ml/L	0.0020	0.0019		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Be,ggium	< 0.00200	ml/L	0.00200	0.000V0		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Bo,on	< 0.0400	ml/L	0.0400	0.007V		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	6 admium	< 0.0020	ml/L	0.0020	0.001K		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Calcium	49.V	ml/L	0.100	0.0K9		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	6 h,omium	< 0.00K0	ml/L	0.00K0	0.0020		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	6 oSag	< 0.00K0	ml/L	0.00K0	0.004K		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	6 oppe,	< 0.0100	ml/L	0.0100	0.0027		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Don	< 0.100	ml/L	0.100	0.08K		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Lead	< 0.0078	ml/L	0.0078	0.0049		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Lithium	< 0.040	ml/L	0.040	0.028		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Magnesium	K45	ml/L	0.800	0.090		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	ManI anese	< 0.00V0	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	MogbSdenum	< 0.00V0	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Nickeg	< 0.0100	ml/L	0.0100	0.004V		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Potassium	0.KV	ml/L	0.80	0.1V		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Sige,	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Sodium	24.4	ml/L	0.80	0.12		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	r anadium	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:5K	
EPA 200.7	Hinc	< 0.0100	ml/L	0.0100	0.0084		X581019	JRR	12/2K/25 09:5K	
EPA 200.V	Antimonb	< 0.00100	ml/L	0.00100	0.00072		X5801V9	SMU	01/04/24 11:52	
EPA 200.V	A,senic	< 0.00100	ml/L	0.00100	0.00021		X5801V9	SMU	01/04/24 11:52	
EPA 200.V	Segnium	< 0.00100	ml/L	0.00100	0.00024		X5801V9	SMU	01/04/24 18:09	
EPA 200.V	Thaggium	< 0.000200	ml/L	0.000200	0.0000V		X5801V9	SMU	01/04/24 11:52	
EPA 200.V	Uranium	0.00429	ml/L	0.000100	0.000082		X5801V9	SMU	01/04/24 11:52	

Metals (Filtered)

EPA 248.1	Me,cu,b	< 0.000200	ml/L	0.000200	0.000095		X58017V	MA6	12/18/25 10:59	
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Classical Chemistry Parameters

ASTM 3 7257	6 banide (f,ee) Z p@K Z 22.0°6	< 0.0080	ml/L	0.0080	0.004V		X581198	3 3	12/22/25 12:40	
EPA 558.4	6 banide (totag)	< 0.0080	ml/L	0.0080	0.005V		X581014	3 3	12/1V/25 18:21	
EPA 580.1	Ammonia as N	0.057	ml/L	0.050	0.015		X580170	3 3	12/21/25 12:58	
ODA 1K77	6 banide (WA3)	< 0.0080	ml/L	0.0080	0.0010		X580217	3 3	12/21/25 1V:47	
SM 2510 B	Acidity to pH 8.3	-84.5	ml/L as 6 a6 O5	10.0			X581050	MW3	12/1V/25 11:2V	
SM 2520 B	Total Alkalinity	81.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:09	
SM 2520 B	Bicarbonate	81.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:09	
SM 2520 B	6 a,Sonate	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:09	
SM 2520 B	@bd,oxide	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:09	
SM 2840 6	Total Diss. Solids	2V8	ml/L	10			X580181	TJL	12/18/25 14:18	
SM 2840 3	TotagSusp. Sogds	< 8.0	ml/L	8.0			X580182	TJL	12/18/25 18:10	
SM 4800 @B	pH @18.3°C	7.0	p@Units				X580150	MW3	12/15/25 17:09	@8

SVL holds the following certifications:

AZ:085VC ID:B 00019C NV:B 000192007AC UT(TNI):B 000192018-1C WA:6 875

Work o,de, Repo,t Pal e 4 of 15



One Gove,nment Gugh - PO Box 929

l egpIICD V5V57-0929

(20V) 7V4-128V

www.svgnet

Newmont - Cripple Creek & Victor
Post Office Box 191
r icto,C6 O V0VK0

Wo,k O,de,: X3L0188
Repo,ted: 08-Jan-24 12:5V

6 gient Sampge B : GVMW-8A
Sr L Sampge B : X3L0188-02 (Ground Water)

Sample Report Page 2 of 2

Sampgd: 12-3 ec-25 11:50
Received: 15-3 ec-25
Sampgd Bb: PB

Method	Anaghte	Resug	Units	RL	M3 L	3 igation	Batch	Anagbst	Anagbzed	Notes
Anions by Ion Chromatography										
EPA 500.0	Chloride	K7.9	mI/L	2.00	0.22	10	X580158	RS	12/15/25 12:49	3 2
EPA 500.0	Fluoride	1.VK	mI/L	0.100	0.017		X580158	RS	12/15/25 12:52	
EPA 500.0	Nitrate as N	1.0V	mI/L	0.080	0.015		X580158	RS	12/15/25 12:52	
EPA 500.0	Nitrate+Nitrite as N	1.09	mI/L	0.100	0.044		X580158	RS	12/15/25 12:52	
EPA 500.0	Nit,ite as N	< 0.080	mI/L	0.080	0.051		X580158	RS	12/15/25 12:52	
EPA 500.0	Sulfate as SO4	87.K	mI/L	5.00	1.V0	10	X580158	RS	12/15/25 12:49	3 2

Cation/Anion Balance and TDS Ratios

6 ation Sum: 4.07 meq/L

Anion Sum: 4.51 meq/L

6 /A Bagance: -2.V7 %

6 agugated T3 S: 244

T3 S/cT3 S: 1.17

This data has Seen ,eviewed fo, accu,acb and has Seen autho,ized fo, ,egase.

Kathryn Salter

l ath,bn Sage,
P,oject Manal e,



One Gove,nment Gugh - PO Box 929

l egpIICD V5V57-0929

(20V) 7V4-128V

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Newmont - Cripple Creek & Victor

Post Office Box 191

r icto,C6 O V0VK0

Wo,k O,de,:

X3L0188

Repo,ted:

08-Jan-24 12:5V

6 gnt Smpg B : GVMW-8B

Sampgd: 12-3 ec-25 10:45

Received: 15-3 ec-25

Sampgd Bb: PB

Sr L Smpg B : X3L0188-01 (Ground Water)

Sample Report Page 1 of 2

Method	Anaghte	Resug	Units	RL	M3 L	3 igation	Batch	Anagbst	Anagzied	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	42.2	ml/L	0.100	0.0K9		X58021K	SMU	12/19/25 1V:27	
EPA 200.7	Magnesium	K7V	ml/L	0.800	0.090		X58021K	SMU	12/19/25 1V:27	
EPA 200.7	Potassium	1.29	ml/L	0.80	0.1V		X58021K	SMU	12/19/25 1V:27	
SM 2540 B	Hardness (as CaCO3)	155	ml/L	2.51	0.845		N/A		12/2K/25 09:52	

Metals (Dissolved)

EPA 200.7	Agminum	< 0.0V0	ml/L	0.0V0	0.084		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Barium	0.0108	ml/L	0.0020	0.0019		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Be,bggium	< 0.00200	ml/L	0.00200	0.000V0		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Bo,on	< 0.0400	ml/L	0.0400	0.007V		X581019	JRR	12/2K/25 09:52	
EPA 200.7	6 admium	< 0.0020	ml/L	0.0020	0.001K		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Calcium	45.V	ml/L	0.100	0.0K9		X581019	JRR	12/2K/25 09:52	
EPA 200.7	6 h,omium	< 0.00K0	ml/L	0.00K0	0.0020		X581019	JRR	12/2K/25 09:52	
EPA 200.7	6 oSag	< 0.00K0	ml/L	0.00K0	0.004K		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Copper	0.0244	ml/L	0.0100	0.0027		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Don	< 0.100	ml/L	0.100	0.08K		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Lead	< 0.0078	ml/L	0.0078	0.0049		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Lithium	< 0.040	ml/L	0.040	0.028		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Magnesium	K9V	ml/L	0.800	0.090		X581019	JRR	12/2K/25 09:52	
EPA 200.7	ManI anese	< 0.00V0	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:52	
EPA 200.7	MogbSdenum	< 0.00V0	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Nickeg	< 0.0100	ml/L	0.0100	0.004V		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Potassium	1.25	ml/L	0.80	0.1V		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Sige,	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Sodium	28.4	ml/L	0.80	0.12		X581019	JRR	12/2K/25 09:52	
EPA 200.7	r anadium	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:52	
EPA 200.7	Hinc	< 0.0100	ml/L	0.0100	0.0084		X581019	JRR	12/2K/25 09:52	
EPA 200.V	Antimonb	< 0.00100	ml/L	0.00100	0.00072		X5801V9	SMU	01/04/24 11:50	
EPA 200.V	A,senic	< 0.00100	ml/L	0.00100	0.00021		X5801V9	SMU	01/04/24 11:50	
EPA 200.V	Segnium	< 0.00100	ml/L	0.00100	0.00024		X5801V9	SMU	01/04/24 18:07	
EPA 200.V	Thaggium	< 0.000200	ml/L	0.000200	0.0000V		X5801V9	SMU	01/04/24 11:50	
EPA 200.V	Uranium	0.00247	ml/L	0.000100	0.000082		X5801V9	SMU	01/04/24 11:50	

Metals (Filtered)

EPA 248.1	Me,cu,b	< 0.000200	ml/L	0.000200	0.000095		X58017V	MA6	12/18/25 10:57	
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Classical Chemistry Parameters

ASTM 3 7257	6 banide (f,ee) Z p@K Z 22.0°6	< 0.0080	ml/L	0.0080	0.004V		X581198	3 3	12/22/25 12:5V	
EPA 558.4	6 banide (totag)	< 0.0080	ml/L	0.0080	0.005V		X581014	3 3	12/1V/25 18:1V	
EPA 580.1	Ammonia as N	< 0.050	ml/L	0.050	0.015		X580170	3 3	12/21/25 12:55	
ODA 1K77	6 banide (WA3)	< 0.0080	ml/L	0.0080	0.0010		X580217	3 3	12/21/25 1V:41	
SM 2510 B	Acidity to pH 8.3	-40.5	ml/L as 6 a6 O5	10.0			X581050	MW3	12/1V/25 11:2V	
SM 2520 B	Total Alkalinity	41.K	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:05	
SM 2520 B	Bicarbonate	41.K	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:05	
SM 2520 B	6 a,Sonate	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:05	
SM 2520 B	@bd,oxide	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/15/25 17:05	
SM 2840 6	Total Diss. Solids	272	ml/L	10			X580181	TJL	12/18/25 14:18	
SM 2840 3	TotagSusp. Sogds	< 8.0	ml/L	8.0			X580182	TJL	12/18/25 18:10	
SM 4800 @B	pH @18.5°C	K9	p@Units				X580150	MW3	12/15/25 17:05	@8

SVL holds the following certifications:

AZ:085VC ID:B 00019C NV:B 000192007AC UT(TNI):B 000192018-1C WA:6 875

Wo,k o,de, Repo,t Pal e 2 of 15



One Gove,nment Gugh - PO Box 929

l egpIICD V5V57-0929

(20V) 7V4-128V

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Newmont - Cripple Creek & Victor

Post Office Box 191

r icto,C6 O V0VK0

Wo,k O,de,: X3L0188

Repo,ted: 08-Jan-24 12:5V

6 gient Sampge B : GVMW-8B

Sr L Sampge B : X3L0188-01 (Ground Water)

Sample Report Page 2 of 2

Sampgd: 12-3 ec-25 10:45

Received: 15-3 ec-25

Sampgd Bb: PB

Method	Anaghte	Resug	Units	RL	M3 L	3 igation	Batch	Anagbst	Anagbzed	Notes
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Anions by Ion Chromatography

EPA 500.0	Chloride	41.0	mI/L	2.00	0.22	10	X580158	RS	12/15/25 12:18	3 2
EPA 500.0	Fluoride	2.21	mI/L	0.100	0.017		X580158	RS	12/15/25 11:8V	
EPA 500.0	Nitrate as N	2.18	mI/L	0.080	0.015		X580158	RS	12/15/25 11:8V	
EPA 500.0	Nitrate+Nitrite as N	2.1K	mI/L	0.100	0.044		X580158	RS	12/15/25 11:8V	
EPA 500.0	Nit,ite as N	< 0.080	mI/L	0.080	0.051		X580158	RS	12/15/25 11:8V	
EPA 500.0	Sulfate as SO4	VV0	mI/L	5.00	1.V0	10	X580158	RS	12/15/25 12:18	3 2

Cation/Anion Balance and TDS Ratios

6 ation Sum: 5.VI meq/L Anion Sum: 4.09 meq/L 6 /A Bagance: -5.80 % 6 agugated T3 S: 242 T3 S/cT3 S: 1.12

This data has Seen ,eviewed fo, accu,acb and has Seen autho,ized fo, ,egase.

Kathryn Salter l ath,bn Sage,
P,object Manal e,



Oae Gove5ameat Gulch 8PO Box 9n9
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(nC,) 7, 28In0,
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Newmont - Cripple Creek & Victor
Post Office Box 191
: icto5t O , C, 6C

Wo5k O5de54
Repo5ted4

X3L0346
108-Ja8n2 104n1

r lieat AImple ID4GVMW-10
A: L AImple ID4X3L0346-01 (Ground Water)

Sample Report Page 1 of 2

AImpled4nC8Dec8n3 13429
Received4 n18Dec8n3
AImpled BS4 PB

Method	TaJlSte	Result	Uaits	RL	MDL	Dilutioa	BJtch	TaJlSst	TaJlSzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPT nCC7	Calcium	223	mg-L	1.CC	C.69C	1C	X2C1CC9	/ -L	Cl-C3-n2 12403	DnW12
EPT nCC7	Magnesium	19,	mg-L	C.0CC	C.C9C		X2C1CC9	/ -L	Cl-C3-n2 13423	
EPT nCC7	Potassium	n., 6	mg-L	C.0C	C.1,		X2C1CC9	/ -L	Cl-C3-n2 13423	
AM n32CB	Hardness (as CaCO3)	19nC	mg-L	2.06	n.C9		N-4		Cl-C3-n2 13406	

Metals (Dissolved)

EPT nCC7	Thumiaum	H.C.C, C	mg-L	C.C, C	C.C02		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Barium	C.Ch79	mg-L	C.CChC	C.CC19		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Be5Silium	H.C.CChCC	mg-L	C.CChCC	C.CCC, C		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Bo5oa	H.C.C2CC	mg-L	C.C2CC	C.CC7,		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	r Jdmium	H.C.CChC	mg-L	C.CChC	C.CC16		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Calcium	227	mg-L	C.1CC	C.C69		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	r h5omium	H.C.CC6C	mg-L	C.CC6C	C.CChC		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	r o5Jlt	H.C.CC6C	mg-L	C.CC6C	C.CC26		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	r oppe5	H.C.C1CC	mg-L	C.C1CC	C.CCh7		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	I5oa	H.C.1CC	mg-L	C.1CC	C.C06		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	LeJd	H.C.CC70	mg-L	C.CC70	C.CC29		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Lithium	C.C0,	mg-L	C.C2C	C.Ch0		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Magnesium	1, 1	mg-L	C.0CC	C.C9C		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Manganese	C.171	mg-L	C.CC, C	C.CC32		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Molybdenum	C.C19,	mg-L	C.CC, C	C.CC32		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Nickel	H.C.C1CC	mg-L	C.C1CC	C.CC2,		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Potassium	n., 2	mg-L	C.0C	C.1,		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Ailve5	H.C.CC0C	mg-L	C.CC0C	C.CC19		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Sodium	2C2	mg-L	C.0C	C.1n		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	: JaJdium	H.C.CC0C	mg-L	C.CC0C	C.CC19		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC7	Zinc	C.C273	mg-L	C.C1CC	C.CC02		X2C1CCn	AMU	Cl-C3-n2 13406	
EPT nCC,	TatimoaS	H.C.CC1CC	mg-L	C.CC1CC	C.CCC7n		X30nC19	AMU	Cl-C4-n2 1n427	
EPT nCC,	T5eaic	H.C.CC1CC	mg-L	C.CC1CC	C.CCCn1		X30nC19	AMU	Cl-C4-n2 1n427	
EPT nCC,	Selenium	C.CC029	mg-L	C.CC1CC	C.CCCn2		X30nC19	AMU	Cl-C4-n2 1n427	
EPT nCC,	j hJllium	H.C.CCChCC	mg-L	C.CCChCC	C.CCCC,		X30nC19	AMU	Cl-C4-n2 1n427	
EPT nCC,	Uranium	C.C, 70	mg-L	C.CCC1CC	C.CCCC0n		X30nC19	AMU	Cl-C4-n2 1n427	

Metals (Filtered)

EPT n20.1	Me5cu5S	H.C.CCChCC	mg-L	C.CCChCC	C.CCCC93		X301163	MT r	1n-n7-n3 1n48,	
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Classical Chemistry Parameters

T Aj M D7n37	r SJaide (f5ee) Z p/ 6 Z nn.C@	H.C.CC0C	mg-L	C.CC0C	C.CC2,		X301190	DD	1n-n-n3 134C,	
EPT 330.2	r SJaide (totJl)	H.C.CC0C	mg-L	C.CC0C	C.CC3,		X2C1CC3	DD	Cl-C3-n2 1C4nn	
EPT 30C.1	TmmoaiJ Js N	H.C.C3C	mg-L	C.C3C	C.C13		X30nC27	DD	1n-n, -n3 164l,	
OIT 1677	r SJaide (WTD)	H.C.CC0C	mg-L	C.CC0C	C.CC1C		X2C1C3n	DD	Cl-C4-n2 10420	
AM n31CB	Acidity to pH 8.3	83C2	mg-L Js r Jr O3	1CC			X2C1CC6	MWD	Cl-C4-n2 1n487	
AM n3nCB	Total Alkalinity	3C9	mg-L Js r Jr O3	1.C			X30117,	MWD	1n-n1-n3 164nn	
AM n3nCB	Bicarbonate	3C9	mg-L Js r Jr O3	1.C			X30117,	MWD	1n-n1-n3 164nn	
AM n3nCB	r J5SoaJte	H.1.C	mg-L Js r Jr O3	1.C			X30117,	MWD	1n-n1-n3 164nn	
AM n3nCB	/ Sd5oxide	H.1.C	mg-L Js r Jr O3	1.C			X30117,	MWD	1n-n1-n3 164nn	
AM n02Cr	Total Diss. Solids	n22C	mg-L	2C			X3011, n	j -L	1n-n6-n3 1242C	Dn
AM n02CD	Total Susp. Solids	7.C	mg-L	0.C			X3011, 3	j -L	1n-n7-n3 1048C	
AM 20CC/ B	pH @18.6°C	7.n	p/ Uaits				X30117,	MWD	1n-n1-n3 164nn	/ 0



Oae Gove5ameat Gulch 8PO Box 9n9
KelloggMD , 3, 378C9n9
(nC,) 7, 28ln0,
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Newmont - Cripple Creek & Victor							
Post Office Box 191				Work Order		X3L0346	
: icto5M O , C, 6C				Reposited		108-Ja8n2 104n1	

r lieat AImple ID4GVMW-10
A: L AImple ID4X3L0346-01 (Ground Water)
Sample Report Page 2 of 2
AImpled4nC8Dec8n3 13429
Received4 n18Dec8n3
AImpled BS4 PB

Method	T aJlSte	Result	Uaits	RL	MDL	Dilutioa	BJtch	T aJlSst	T aJlSzed	Notes
Anions by Ion Chromatography										
EPT 3CC:C	Chloride	2., 3	mg-L	CnC	C.Ch		X30116n	KTG	1n-n1-n3 164n9	
EPT 3CC:C	Fluoride	Cn0,	mg-L	C.1CC	C.C17		X30116n	KTG	1n-n1-n3 164n9	
EPT 3CC:C	Nitrate as N	C392	mg-L	C.C0C	C.C13		X30116n	KTG	1n-n1-n3 164n9	
EPT 3CC:C	Nitrate+Nitrite as N	C392	mg-L	C.1CC	C.C22		X30116n	KTG	1n-n1-n3 164n9	
EPT 3CC:C	Nit5te Js N	HC.C0C	mg-L	C.C0C	C.C31		X30116n	KTG	1n-n1-n3 164n9	
EPT 3CC:C	Sulfate as SO4	10, C	mg-L	10.C	9.CC	0C	X30116n	KTG	1n-n1-n3 16420	Dn

Cation/Anion Balance and TDS Ratios

r Jtioa Aum43, .9 meq-L	Taioa Aum439.n meq-L	r <T BJlJace48C.0C°	r JlcuJlJted j DA4n20C	j DA-ej DA41.CC
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j his dJtJ hJs Seea 5viewed fo5Jccu5JcS Jad hJs Seea Jutho5ized fo55eleJse.

Kathryn Salter
KJth5Sa AJlte5
P5oyect MJaJge5



One Gove,nment Gugh - PO Box 929

l egpIICD V5V57-0929

(20V) 7V4-128V

www.svgnet

Newmont - Cripple Creek & Victor						Wo,k O,de,: X3L0188	
Post Office Box 191						Repo,ted: 08-Jan-24 12:5V	
r icto,C6 O V0VK0							

6 gient Sampge B : GVMW-15B

Sampgd: 12-3 ec-25 12:89

Received: 15-3 ec-25

Sampgd Bb: PB

Sr L Sampge B : X3L0188-03 (Ground Water)

Sample Report Page 1 of 2

Method	Anaghte	Resug	Units	RL	M3 L	3 igiton	Batch	Anagbst	Anagpzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	82.7	ml/L	0.100	0.0K9		X58021K	SMU	12/19/25 1V:58	
EPA 200.7	Magnesium	2V.7	ml/L	0.800	0.090		X58021K	SMU	12/19/25 1V:58	
EPA 200.7	Potassium	2.4K	ml/L	0.80	0.1V		X58021K	SMU	12/19/25 1V:58	
SM 2540 B	Hardness (as CaCO3)	280	ml/L	2.51	0.845		N/A		12/2K/25 09:47	

Metals (Dissolved)

EPA 200.7	Aluminum	0.K07	ml/L	0.0V0	0.084		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Barium	0.0187	ml/L	0.0020	0.0019		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Beryllium	0.0489	ml/L	0.00200	0.000V0		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Boron	< 0.0400	ml/L	0.0400	0.007V		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Cadmium	0.004K	ml/L	0.0020	0.001K		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Calcium	82.8	ml/L	0.100	0.0K9		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Chromium	< 0.00K0	ml/L	0.00K0	0.0020		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Cobalt	0.0909	ml/L	0.00K0	0.004K		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Copper	< 0.0100	ml/L	0.0100	0.0027		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Iron	28.2	ml/L	0.100	0.08K		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Lead	0.04K0	ml/L	0.0078	0.0049		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Lithium	< 0.040	ml/L	0.040	0.028		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Magnesium	2V.V	ml/L	0.800	0.090		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Manganese	1.KV	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Molybdenum	< 0.00V0	ml/L	0.00V0	0.0054		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Nickel	0.145	ml/L	0.0100	0.004V		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Potassium	2.5V	ml/L	0.80	0.1V		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Silica	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Sodium	15.1	ml/L	0.80	0.12		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Selenium	< 0.0080	ml/L	0.0080	0.0019		X581019	JRR	12/2K/25 09:47	
EPA 200.7	Zinc	2.1K	ml/L	0.0100	0.0084		X581019	JRR	12/2K/25 09:47	
EPA 200.V	Antimony	< 0.00100	ml/L	0.00100	0.00072		X5801V9	SMU	01/04/24 11:58	
EPA 200.V	Arsenic	< 0.00100	ml/L	0.00100	0.00021		X5801V9	SMU	01/04/24 11:58	
EPA 200.V	Selenium	< 0.00100	ml/L	0.00100	0.00024		X5801V9	SMU	01/04/24 18:10	
EPA 200.V	Thallium	< 0.000200	ml/L	0.000200	0.0000V		X5801V9	SMU	01/04/24 11:58	
EPA 200.V	Uranium	0.008K9	ml/L	0.000100	0.000082		X5801V9	SMU	01/04/24 11:58	

Metals (Filtered)

EPA 248.1	Mercury	< 0.000200	ml/L	0.000200	0.000095		X58017V	MA6	12/18/25 10:41	
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Classical Chemistry Parameters

ASTM 3 7257	Fluoride (free) Z p@K Z 22.0°6	< 0.0080	ml/L	0.0080	0.004V		X581198	3 3	12/22/25 12:42	
EPA 558.4	Fluoride (total)	< 0.0080	ml/L	0.0080	0.005V		X581014	3 3	12/1V/25 18:25	
EPA 580.1	Ammonia as N	0.074	ml/L	0.050	0.015		X580170	3 3	12/21/25 12:5V	
ODA 1K77	Fluoride (WA3)	< 0.0080	ml/L	0.0080	0.0010		X580217	3 3	12/21/25 1V:4V	
SM 2510 B	Acidity to pH 8.3	8K0	ml/L as 6 a6 O5	10.0			X581050	MW3	12/1V/25 11:2V	
SM 2520 B	Total Alkalinity	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/14/25 0V:8V	
SM 2520 B	Bicarbonate	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/14/25 0V:8V	
SM 2520 B	Carbonate	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/14/25 0V:8V	
SM 2520 B	Dissolved Silica	< 1.0	ml/L as 6 a6 O5	1.0			X580150	MW3	12/14/25 0V:8V	
SM 2840 6	Total Diss. Solids	829	ml/L	10			X580181	TJL	12/18/25 14:18	
SM 2840 3	Total Susp. Solids	50.0	ml/L	8.0			X580182	TJL	12/18/25 18:10	
SM 4800 @B	pH @15.2°C	5.V	p@Units				X580150	MW3	12/14/25 0V:8V	@8

SVL holds the following certifications:

AZ:085VC ID:B 00019C NV:B 000192007AC UT(TNI):B 000192018-1C WA:6 875

Wo,k o,de, Repo,t Pal e Kof 15



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l egpIICD V5V57-0929

(20V) 7V4-128V

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Newmont - Cripple Creek & Victor
Post Office Box 191
r icto,C6 O V0VK0

Wo,k O,de,: X3L0188
Repo,ted: 08-Jan-24 12:5V

6 gent Sampge B : GVMW-15B
Sr L Sampge B : X3L0188-03 (Ground Water)

Sample Report Page 2 of 2

Sampgd: 12-3 ec-25 12:89
Received: 15-3 ec-25
Sampgd Bb: PB

Method	Anaghte	Resugt	Units	RL	M3 L	3 igiton	Batch	Anagbst	Anagbzed	Notes
Anions by Ion Chromatography										
EPA 500.0	Chloride	0.K2	mI/L	0.20	0.02		X580158	RS	12/15/25 15:0K	
EPA 500.0	Fluoride	0.470	mI/L	0.100	0.017		X580158	RS	12/15/25 15:0K	
EPA 500.0	Nit,ate as N	< 0.080	mI/L	0.080	0.015		X580158	RS	12/15/25 15:0K	
EPA 500.0	Nit,ate+Nit,ite as N	< 0.100	mI/L	0.100	0.044		X580158	RS	12/15/25 15:0K	
EPA 500.0	Nit,ite as N	< 0.080	mI/L	0.080	0.051		X580158	RS	12/15/25 15:0K	
EPA 500.0	Sulfate as SO4	557	mI/L	5.00	1.V0	10	X580158	RS	12/15/25 15:87	3 2

Cation/Anion Balance and TDS Ratios

6 ation Sum: K75 meq/L

Anion Sum: 7.0Vmeq/L

6 /A Bagance: -2.85 %

6 agugated T3 S: 458

T3 S/cT3 S: 1.22

This data has Seen ,eviewed fo, accu,acb and has Seen autho,ized fo, ,egase.

Kathryn Salter

l ath,bn Sage,
P,oject Manal e,

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3L0112**

Reported: 08-Jan-24 10:58

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

Sampled: 06-Dec-23 12:10

SVL Sample ID: **X3L0112-04 (Ground Water)**

Received: 07-Dec-23

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	30.0	mg/L	0.100	0.069		X350051	JRR	12/13/23 09:44	
EPA 200.7	Magnesium	12.9	mg/L	0.500	0.090		X350051	JRR	12/13/23 09:44	
EPA 200.7	Potassium	1.13	mg/L	0.50	0.18		X350051	JRR	12/13/23 09:44	
SM 2340 B	Hardness (as CaCO3)	126	mg/L	2.31	0.543		N/A		12/13/23 09:44	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:32	
EPA 200.7	Barium	0.109	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:32	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:32	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:32	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:32	
EPA 200.7	Calcium	29.5	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:32	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:32	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:32	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:32	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:32	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:32	
EPA 200.7	Lithium	0.042	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:32	
EPA 200.7	Magnesium	12.3	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:32	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:32	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:32	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:32	
EPA 200.7	Potassium	1.12	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:32	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:32	
EPA 200.7	Sodium	36.3	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:32	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:32	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X349219	JRR	12/12/23 15:32	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X349242	SMU	01/04/24 13:20	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X349242	SMU	01/04/24 13:20	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X349242	SMU	01/04/24 13:20	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X349242	SMU	01/04/24 13:20	
EPA 200.8	Uranium	0.00351	mg/L	0.000100	0.000052		X349242	SMU	01/04/24 13:20	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:50	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X349202	DD	12/07/23 15:18	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:38	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 13:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X350055	DD	12/14/23 11:40	
SM 2310 B	Acidity to pH 8.3	-166	mg/L as CaCO3	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	163	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:54	
SM 2320 B	Bicarbonate	163	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:54	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:54	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:54	
SM 2540 C	Total Diss. Solids	259	mg/L	10			X349222	TJL	12/09/23 11:30	
SM 2540 D	Total Susp. Solids	5.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	
SM 4500 H B	pH @19.0°C	7.9	pH Units				X349290	MWD	12/08/23 17:54	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: **X3L0112**

Reported: 08-Jan-24 10:58

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

Sampled: 06-Dec-23 12:10

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-04 (Ground Water)****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	4.11	mg/L	0.20	0.02		X349187	RS	12/08/23 02:16	
EPA 300.0	Fluoride	2.07	mg/L	0.100	0.017		X349187	RS	12/08/23 13:22	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X349187	RS	12/08/23 02:16	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X349187	RS	12/08/23 02:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X349187	RS	12/08/23 02:16	
EPA 300.0	Sulfate as SO4	37.1	mg/L	0.30	0.18		X349187	RS	12/08/23 02:16	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.11 meq/L

Anion Sum: 4.26 meq/L

C/A Balance: -1.77 %

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: **X3L0112**

Reported: 08-Jan-24 10:58

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

Sampled: 06-Dec-23 11:27

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-03 (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	39.9	mg/L	0.100	0.069		X350051	JRR	12/13/23 09:40	
EPA 200.7	Magnesium	12.2	mg/L	0.500	0.090		X350051	JRR	12/13/23 09:40	
EPA 200.7	Potassium	1.74	mg/L	0.50	0.18		X350051	JRR	12/13/23 09:40	
SM 2340 B	Hardness (as CaCO3)	141	mg/L	2.31	0.543		N/A		12/13/23 09:40	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:28	
EPA 200.7	Barium	0.0564	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:28	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:28	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:28	
EPA 200.7	Calcium	37.8	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:28	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:28	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:28	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:28	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:28	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:28	
EPA 200.7	Magnesium	11.3	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:28	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:28	
EPA 200.7	Potassium	1.67	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:28	
EPA 200.7	Sodium	25.4	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:28	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:28	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X349219	JRR	12/12/23 15:28	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X349242	SMU	01/04/24 13:41	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X349242	SMU	01/04/24 13:41	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X349242	SMU	01/04/24 13:41	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X349242	SMU	01/04/24 13:41	D1
EPA 200.8	Uranium	0.00145	mg/L	0.000200	0.000104	2	X349242	SMU	01/04/24 13:41	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:47	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X349202	DD	12/07/23 15:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:35	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 13:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X350055	DD	12/14/23 11:38	
SM 2310 B	Acidity to pH 8.3	-82.3	mg/L as CaCO3	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	86.5	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:48	
SM 2320 B	Bicarbonate	86.5	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 17:48	
SM 2540 C	Total Diss. Solids	239	mg/L	10			X349222	TJL	12/09/23 11:30	R2B
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	R2B
SM 4500 H B	pH @19.1°C	7.0	pH Units				X349290	MWD	12/08/23 17:48	H5

SVL holds the following certifications:

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

Work order Report Page 6 of 19



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: **X3L0112**
Reported: 08-Jan-24 10:58

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X3L0112-03 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 06-Dec-23 11:27
Received: 07-Dec-23
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	6.53	mg/L	0.20	0.02		X349187	RS	12/08/23 01:44	
EPA 300.0	Fluoride	0.384	mg/L	0.100	0.017		X349187	RS	12/08/23 12:50	
EPA 300.0	Nitrate as N	0.203	mg/L	0.050	0.013		X349187	RS	12/08/23 01:44	
EPA 300.0	Nitrate+Nitrite as N	0.219	mg/L	0.100	0.044		X349187	RS	12/08/23 01:44	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X349187	RS	12/08/23 01:44	
EPA 300.0	Sulfate as SO4	107	mg/L	3.00	1.80	10	X349187	RS	12/08/23 02:00	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.98 meq/L Anion Sum: 4.18 meq/L C/A Balance: -2.44 % Calculated TDS: 244 TDS/cTDS: 0.98

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: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **GVMW-25**

Sampled: 06-Dec-23 13:13

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-05 (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	522	mg/L	1.00	0.690	10	X350051	JRR	12/13/23 09:47	D2,M4
EPA 200.7	Magnesium	443	mg/L	5.00	0.900	10	X350051	JRR	12/13/23 09:47	D1,M4
EPA 200.7	Potassium	7.44	mg/L	5.00	1.80	10	X350051	JRR	12/13/23 09:47	D1
SM 2340 B	Hardness (as CaCO3)	3130	mg/L	23.1	5.43		N/A		12/12/23 15:35	

Metals (Dissolved)

EPA 200.7	Aluminum	820	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:35	
EPA 200.7	Barium	0.0186	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:35	
EPA 200.7	Beryllium	0.492	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:35	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:35	
EPA 200.7	Cadmium	1.56	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:35	
EPA 200.7	Calcium	509	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:35	
EPA 200.7	Chromium	0.0884	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:35	
EPA 200.7	Cobalt	2.04	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:35	
EPA 200.7	Copper	3.20	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:35	
EPA 200.7	Iron	1.37	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:35	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:35	
EPA 200.7	Lithium	0.280	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:35	
EPA 200.7	Magnesium	437	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:35	
EPA 200.7	Manganese	230	mg/L	0.0840	0.0357	10.5	X349219	JRR	12/12/23 15:43	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:35	
EPA 200.7	Nickel	2.52	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:35	
EPA 200.7	Potassium	7.66	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:35	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:35	
EPA 200.7	Sodium	44.9	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:35	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:35	
EPA 200.7	Zinc	71.8	mg/L	0.105	0.0567	10.5	X349219	JRR	12/12/23 15:43	D2
EPA 200.8	Antimony	< 0.0100	mg/L	0.0100	0.00720	10	X349242	SMU	01/04/24 13:33	D1
EPA 200.8	Arsenic	0.318	mg/L	0.0100	0.00210	10	X349242	SMU	01/04/24 13:33	D1
EPA 200.8	Selenium	0.0202	mg/L	0.0100	0.00240	10	X349242	SMU	01/04/24 13:33	D1
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X349242	SMU	01/04/24 13:33	D1
EPA 200.8	Uranium	2.82	mg/L	0.00100	0.000520	10	X349242	SMU	01/04/24 13:33	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:52	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0500	mg/L	0.0500	0.0480	10	X351195	DD	12/22/23 12:28	D1,E12,H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:41	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 13:07	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X350217	DD	12/21/23 18:59	D1,E12,H1,S 1 2
SM 2310 B	Acidity to pH 8.3	6130	mg/L as CaCO3	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:08	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:08	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:08	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:08	
SM 2540 C	Total Diss. Solids	11900	mg/L	100			X349222	TJL	12/09/23 11:30	D2
SM 2540 D	Total Susp. Solids	71.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	
SM 4500 H B	pH @18.9°C	3.6	pH Units				X349290	MWD	12/08/23 18:08	H5

SVL holds the following certifications:

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

Work order Report Page 10 of 19



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: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **GVMW-25**SVL Sample ID: **X3L0112-05 (Ground Water)**

Sampled: 06-Dec-23 13:13

Received: 07-Dec-23

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	22.7	mg/L	2.00	0.22	10	X349187	RS	12/08/23 02:49	D2
EPA 300.0	Fluoride	70.0	mg/L	25.0	4.25	250	X349187	RS	12/08/23 13:38	D2
EPA 300.0	Nitrate as N	3.55	mg/L	0.500	0.130	10	X349187	RS	12/08/23 02:49	D1,E12
EPA 300.0	Nitrate+Nitrite as N	3.55	mg/L	1.00	0.440	10	X349187	RS	12/08/23 02:49	D1
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X349187	RS	12/08/23 02:49	D1
EPA 300.0	Sulfate as SO4	8850	mg/L	75.0	45.0	250	X349187	RS	12/08/23 03:05	

Cation/Anion Balance and TDS Ratios

Cation Sum: 186 meq/L

Anion Sum: 189 meq/L

C/A Balance: -0.73 %

Calculated TDS: 9966

TDS/cTDS: 1.19

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 60650

Work Order: **X3L0139**

Reported: 08-Jan-24 12:85

Client Sample ID: **GVMW-26A**

Sampled: 07-Dec-23 12:17

Received: 06-Dec-23

Sampled Bb: PB

SVL Sample ID: **X3L0139-02 (Ground Water)**

Sample Report Page 1 of 2

Method	Analbte	Result	Units	RL	MDL	Dilution	Batch	Analbst	Analbzed	Notes
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Calcium	30.0	mg/L	0.100	0.059		X380081	JRR	12/13/23 09:89	
EPA 200.7	Magnesium	7.40	mg/L	0.800	0.090		X380081	JRR	12/13/23 09:89	
EPA 200.7	Potassium	0.93	mg/L	0.80	0.16		X380081	JRR	12/13/23 09:89	
SM 2340 B	Hardness (as CaCO3)	103	mg/L	2.31	0.843		N/A		12/18/23 09:22	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.060	mg/L	0.060	0.084		X380003	JRR	12/18/23 09:22	
EPA 200.7	Barium	0.196	mg/L	0.0020	0.0019		X380003	JRR	12/18/23 09:22	
EPA 200.7	Berbllium	< 0.00200	mg/L	0.00200	0.00060		X380003	JRR	12/18/23 09:22	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0076		X380003	JRR	12/18/23 09:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0015		X380003	JRR	12/18/23 09:22	
EPA 200.7	Calcium	26.9	mg/L	0.100	0.059		X380003	JRR	12/18/23 09:22	
EPA 200.7	Chromium	< 0.0050	mg/L	0.0050	0.0020		X380003	JRR	12/18/23 09:22	
EPA 200.7	CoSalt	< 0.0050	mg/L	0.0050	0.0045		X380003	JRR	12/18/23 09:22	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X380003	JRR	12/18/23 09:22	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.085		X380003	JRR	12/18/23 09:22	
EPA 200.7	Lead	< 0.0078	mg/L	0.0078	0.0049		X380003	JRR	12/18/23 09:22	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.028		X380003	JRR	12/18/23 09:22	
EPA 200.7	Magnesium	5.77	mg/L	0.800	0.090		X380003	JRR	12/18/23 09:22	
EPA 200.7	Manganese	0.0065	mg/L	0.0060	0.0034		X380003	JRR	12/18/23 09:22	
EPA 200.7	MolbSdenum	< 0.0060	mg/L	0.0060	0.0034		X380003	JRR	12/18/23 09:22	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0046		X380003	JRR	12/18/23 09:22	
EPA 200.7	Potassium	0.95	mg/L	0.80	0.16		X380003	JRR	12/18/23 09:22	
EPA 200.7	Silver	< 0.0080	mg/L	0.0080	0.0019		X380003	JRR	12/18/23 09:22	
EPA 200.7	Sodium	31.2	mg/L	0.80	0.12		X380003	JRR	12/18/23 09:22	
EPA 200.7	Vanadium	< 0.0080	mg/L	0.0080	0.0019		X380003	JRR	12/18/23 09:22	
EPA 200.7	+inc	< 0.0100	mg/L	0.0100	0.0084		X380003	JRR	12/18/23 09:22	
EPA 200.6	Antimonb	< 0.00100	mg/L	0.00100	0.00072		X380169	SMU	01/04/24 10:44	
EPA 200.6	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X380169	SMU	01/04/24 10:44	
EPA 200.6	Selenium	< 0.00100	mg/L	0.00100	0.00024		X380169	SMU	01/04/24 14:49	
EPA 200.6	Thallium	< 0.000200	mg/L	0.000200	0.00006		X380169	SMU	01/04/24 10:44	
EPA 200.6	Uranium	0.00316	mg/L	0.000100	0.000082		X380169	SMU	01/04/24 10:44	

Metals (Filtered)

EPA 248.1	Mercurb	< 0.000200	mg/L	0.000200	0.000093		X380014	MAC	12/14/23 13:02	
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Classical Chemistry Parameters

ASTM D7237	Cbanide (free) Z pH 5 Z 22.0@	< 0.0080	mg/L	0.0080	0.0046		X381198	DD	12/22/23 12:34	H1
EPA 338.4	Cbanide (total)	< 0.0080	mg/L	0.0080	0.0036		X380032	DD	12/12/23 14:49	
EPA 380.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X380159	DD	12/21/23 13:06	
OIA 1577	Cbanide (WAD)	< 0.0080	mg/L	0.0080	0.0010		X380088	DD	12/14/23 11:41	
SM 2310 B	Acidity to pH 8.3	-182	mg/L as CaCO3	10.0			X380024	MWD	12/11/23 10:89	
SM 2320 B	Total Alkalinity	186	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:28	
SM 2320 B	Bicarbonate	186	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:28	
SM 2320 B	CarSonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:28	
SM 2320 B	Hbdroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:28	
SM 2840 C	Total Diss. Solids	199	mg/L	10			X349301	TJL	12/12/23 13:88	
SM 2840 D	Total Susp. Solids	20.0	mg/L	8.0			X349302	TJL	12/12/23 14:30	
SM 4800 H B	pH @18.7°C	6.0	pH Units				X349290	MWD	12/06/23 16:28	H8

SVL holds the following certifications:

AZ:0836, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192018-1, WA:C873

Work order Report Page 4 of 13



One Government Gulch - PO Box 929
Kellogg, ID 63637-0929
(206) 764-1286
www.svl.net

Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 60650

Work Order: **X3L0139**
Reported: 08-Jan-24 12:85

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X3L0139-02 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 07-Dec-23 12:17
Received: 06-Dec-23
Sampled Bb: PB

Method	Analbte	Result	Units	RL	MDL	Dilution	Batch	Analbst	Analbzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	1.25	mg/L	0.20	0.02		X349277	RS	12/06/23 11:17	
EPA 300.0	Fluoride	1.91	mg/L	0.100	0.017		X349277	RS	12/06/23 11:17	
EPA 300.0	Nitrate as N	< 0.080	mg/L	0.080	0.013		X349277	RS	12/06/23 11:17	
EPA 300.0	Nitrate° Nitrite as N	< 0.100	mg/L	0.100	0.044		X349277	RS	12/06/23 11:17	
EPA 300.0	Nitrite as N	< 0.080	mg/L	0.080	0.031		X349277	RS	12/06/23 11:17	
EPA 300.0	Sulfate as SO4	12.4	mg/L	0.30	0.16		X349277	RS	12/06/23 11:17	

Cation/Anion Balance and TDS Ratios										
Cation Sum: 3.40 meq/L		Anion Sum: 3.88 meq/L		C/A Balance: -2.27 %		Calculated TDS: 179		TDS/cTDS: 1.11		

This data has Seen reviewed for accuracb and has Seen authorized for release.

Kathrbn Salter
Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 60650

Work Order: **X3L0139**

Reported: 08-Jan-24 12:85

Client Sample ID: **GVMW-26B**

Sampled: 07-Dec-23 12:88

Received: 06-Dec-23

Sampled Bb: PB

SVL Sample ID: **X3L0139-03 (Ground Water)****Sample Report Page 1 of 2**

Method	Analbte	Result	Units	RL	MDL	Dilution	Batch	Analbst	Analbzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	11.3	mg/L	0.100	0.059		X380081	JRR	12/13/23 10:12	
EPA 200.7	Magnesium	2.47	mg/L	0.800	0.090		X380081	JRR	12/13/23 10:12	
EPA 200.7	Potassium	0.77	mg/L	0.80	0.16		X380081	JRR	12/13/23 10:12	
SM 2340 B	Hardness (as CaCO3)	36.3	mg/L	2.31	0.843		N/A		12/18/23 09:28	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.060	mg/L	0.060	0.084		X380003	JRR	12/18/23 09:28	
EPA 200.7	Barium	0.117	mg/L	0.0020	0.0019		X380003	JRR	12/18/23 09:28	
EPA 200.7	Berblrium	< 0.00200	mg/L	0.00200	0.00060		X380003	JRR	12/18/23 09:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0076		X380003	JRR	12/18/23 09:28	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0015		X380003	JRR	12/18/23 09:28	
EPA 200.7	Calcium	11.1	mg/L	0.100	0.059		X380003	JRR	12/18/23 09:28	
EPA 200.7	Chromium	< 0.0050	mg/L	0.0050	0.0020		X380003	JRR	12/18/23 09:28	
EPA 200.7	CoSalt	< 0.0050	mg/L	0.0050	0.0045		X380003	JRR	12/18/23 09:28	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X380003	JRR	12/18/23 09:28	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.085		X380003	JRR	12/18/23 09:28	
EPA 200.7	Lead	< 0.0078	mg/L	0.0078	0.0049		X380003	JRR	12/18/23 09:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.028		X380003	JRR	12/18/23 09:28	
EPA 200.7	Magnesium	2.31	mg/L	0.800	0.090		X380003	JRR	12/18/23 09:28	
EPA 200.7	Manganese	< 0.0060	mg/L	0.0060	0.0034		X380003	JRR	12/18/23 09:28	
EPA 200.7	MolbSdenum	< 0.0060	mg/L	0.0060	0.0034		X380003	JRR	12/18/23 09:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0046		X380003	JRR	12/18/23 09:28	
EPA 200.7	Potassium	0.75	mg/L	0.80	0.16		X380003	JRR	12/18/23 09:28	
EPA 200.7	Silver	< 0.0080	mg/L	0.0080	0.0019		X380003	JRR	12/18/23 09:28	
EPA 200.7	Sodium	10.0	mg/L	0.80	0.12		X380003	JRR	12/18/23 09:28	
EPA 200.7	Vanadium	< 0.0080	mg/L	0.0080	0.0019		X380003	JRR	12/18/23 09:28	
EPA 200.7	+inc	< 0.0100	mg/L	0.0100	0.0084		X380003	JRR	12/18/23 09:28	
EPA 200.6	Antimonb	< 0.00100	mg/L	0.00100	0.00072		X380169	SMU	01/04/24 10:47	
EPA 200.6	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X380169	SMU	01/04/24 10:47	
EPA 200.6	Selenium	< 0.00100	mg/L	0.00100	0.00024		X380169	SMU	01/04/24 14:80	
EPA 200.6	Thallium	< 0.000200	mg/L	0.000200	0.00006		X380169	SMU	01/04/24 10:47	
EPA 200.6	Uranium	< 0.000100	mg/L	0.000100	0.000082		X380169	SMU	01/04/24 10:47	

Metals (Filtered)

EPA 248.1	Mercurb	< 0.000200	mg/L	0.000200	0.000093		X380014	MAC	12/14/23 13:08	
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Classical Chemistry Parameters

ASTM D7237	Cbanide (free) Z pH 5 Z 22.0@	< 0.0080	mg/L	0.0080	0.0046		X381198	DD	12/22/23 12:35	H1
EPA 338.4	Cbanide (total)	< 0.0080	mg/L	0.0080	0.0036		X380032	DD	12/12/23 14:81	
EPA 380.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X380159	DD	12/21/23 13:11	
OIA 1577	Cbanide (WAD)	< 0.0080	mg/L	0.0080	0.0010		X380088	DD	12/14/23 11:43	
SM 2310 B	Acidity to pH 8.3	-40.3	mg/L as CaCO3	10.0			X380024	MWD	12/11/23 10:89	
SM 2320 B	Total Alkalinity	37.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:30	
SM 2320 B	Bicarbonate	37.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:30	
SM 2320 B	CarSonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:30	
SM 2320 B	Hbdroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/06/23 16:30	
SM 2840 C	Total Diss. Solids	137	mg/L	10			X349301	TJL	12/12/23 13:88	
SM 2840 D	Total Susp. Solids	13.0	mg/L	8.0			X349302	TJL	12/12/23 14:30	
SM 4800 H B	pH @18.9°C	5.7	pH Units				X349290	MWD	12/06/23 16:30	H8

SVL holds the following certifications:

AZ:0836, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192018-1, WA:C873

Work order Report Page 5 of 13



One Government Gulch - PO Box 929
Kellogg, ID 63637-0929
(206) 764-1286
www.svl.net

Newmont - Cripple Creek & Victor	Work Order: X3L0139
Post Office Box 191	Reported: 08-Jan-24 12:85
Victor, CO 60650	

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X3L0139-03 (Ground Water)**

Sampled: 07-Dec-23 12:88
Received: 06-Dec-23
Sampled Bb: PB

Sample Report Page 2 of 2

Method	Analbte	Result	Units	RL	MDL	Dilution	Batch	Analbst	Analbzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	1.72	mg/L	0.20	0.02		X349277	RS	12/06/23 11:81	
EPA 300.0	Fluoride	0.216	mg/L	0.100	0.017		X349277	RS	12/06/23 11:81	
EPA 300.0	Nitrate as N	0.534	mg/L	0.080	0.013		X349277	RS	12/06/23 11:81	
EPA 300.0	Nitrate+Nitrite as N	0.534	mg/L	0.100	0.044		X349277	RS	12/06/23 11:81	
EPA 300.0	Nitrite as N	< 0.080	mg/L	0.080	0.031		X349277	RS	12/06/23 11:81	
EPA 300.0	Sulfate as SO4	21.6	mg/L	0.30	0.16		X349277	RS	12/06/23 11:81	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.21 meq/L	Anion Sum: 1.30 meq/L	C/A Balance: -3.40 %	Calculated TDS: 73	TDS/cTDS: 1.67
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This data has Seen reviewed for accuracb and has Seen authorized for release.

Kathrbn Salter
Project Manager

QA/QC

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **RB-1206**

Sampled: 06-Dec-23 09:32

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-01 (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	0.116	mg/L	0.100	0.069		X350051	JRR	12/13/23 09:32	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X350051	JRR	12/13/23 09:32	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X350051	JRR	12/13/23 09:32	
SM 2340 B	Hardness (as CaCO ₃)	< 2.31	mg/L	2.31	0.543		N/A		12/13/23 09:32	

Metals (Dissolved)

EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:20	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:20	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:20	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:20	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:20	
EPA 200.7	Calcium	0.155	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:20	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:20	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:20	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:20	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:20	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:20	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:20	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:20	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:20	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:20	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:20	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:20	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:20	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:20	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:20	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X349219	JRR	12/12/23 15:20	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X349242	SMU	01/04/24 12:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X349242	SMU	01/04/24 12:56	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X349242	SMU	01/04/24 12:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X349242	SMU	01/04/24 12:56	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X349242	SMU	01/04/24 12:56	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:43	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X349202	DD	12/07/23 15:06	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:30	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 12:57	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X350055	DD	12/14/23 11:35	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO ₃	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO ₃	1.0			X349290	MWD	12/08/23 17:38	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO ₃	1.0			X349290	MWD	12/08/23 17:38	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X349290	MWD	12/08/23 17:38	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO ₃	1.0			X349290	MWD	12/08/23 17:38	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X349222	TJL	12/09/23 11:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	
SM 4500 H B	pH @19.1°C	5.6	pH Units				X349290	MWD	12/08/23 17:38	H5

SVL holds the following certifications:

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

Work order Report Page 2 of 19



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: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **RB-1206**

Sampled: 06-Dec-23 09:32

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-01 (Ground Water)****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	< 0.20	mg/L	0.20	0.02		X349187	RS	12/08/23 00:05	
EPA 300.0	%fluoride	< 0.100	mg/L	0.100	0.017		X349187	RS	12/08/23 00:05	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X349187	RS	12/08/23 00:05	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X349187	RS	12/08/23 00:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X349187	RS	12/08/23 00:05	
EPA 300.0	Sulfate as SO ₄	1.25	mg/L	0.30	0.18		X349187	RS	12/08/23 00:05	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.04 meq/L

Anion Sum: 0.05 meq/L

C/A Balance: -16.95 %

Calculated TDS: 1

TDS/cTDS: 0.00

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: **X3L0112**

Reported: 08-Jan-24 10:58

Client Sample ID: **GVMW-125**

Sampled: 06-Dec-23 13:13

Received: 07-Dec-23

Sampled By: PB

SVL Sample ID: **X3L0112-06 (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	540	mg/L	1.00	0.690	10	X350051	JRR	12/13/23 09:51	D2
EPA 200.7	Magnesium	452	mg/L	5.00	0.900	10	X350051	JRR	12/13/23 09:51	D2
EPA 200.7	Potassium	7.56	mg/L	5.00	1.80	10	X350051	JRR	12/13/23 09:51	D1
SM 2340 B	Hardness (as CaCO3)	3090	mg/L	2.31	0.543		N/A		12/13/23 09:51	

Metals (Dissolved)

EPA 200.7	Aluminum	818	mg/L	0.080	0.054		X349219	JRR	12/12/23 15:39	
EPA 200.7	Barium	0.0190	mg/L	0.0020	0.0019		X349219	JRR	12/12/23 15:39	
EPA 200.7	Beryllium	0.487	mg/L	0.00200	0.00080		X349219	JRR	12/12/23 15:39	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X349219	JRR	12/12/23 15:39	
EPA 200.7	Cadmium	1.55	mg/L	0.0020	0.0016		X349219	JRR	12/12/23 15:39	
EPA 200.7	Calcium	508	mg/L	0.100	0.069		X349219	JRR	12/12/23 15:39	
EPA 200.7	Chromium	0.0886	mg/L	0.0060	0.0020		X349219	JRR	12/12/23 15:39	
EPA 200.7	Cobalt	2.02	mg/L	0.0060	0.0046		X349219	JRR	12/12/23 15:39	
EPA 200.7	Copper	3.20	mg/L	0.0100	0.0027		X349219	JRR	12/12/23 15:39	
EPA 200.7	Iron	1.37	mg/L	0.100	0.056		X349219	JRR	12/12/23 15:39	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X349219	JRR	12/12/23 15:39	
EPA 200.7	Lithium	0.283	mg/L	0.040	0.025		X349219	JRR	12/12/23 15:39	
EPA 200.7	Magnesium	441	mg/L	0.500	0.090		X349219	JRR	12/12/23 15:39	
EPA 200.7	Manganese	223	mg/L	0.0840	0.0357	10.5	X349219	JRR	12/12/23 15:47	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X349219	JRR	12/12/23 15:39	
EPA 200.7	Nickel	2.50	mg/L	0.0100	0.0048		X349219	JRR	12/12/23 15:39	
EPA 200.7	Potassium	7.71	mg/L	0.50	0.18		X349219	JRR	12/12/23 15:39	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:39	
EPA 200.7	Sodium	45.0	mg/L	0.50	0.12		X349219	JRR	12/12/23 15:39	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X349219	JRR	12/12/23 15:39	
EPA 200.7	Zinc	69.3	mg/L	0.105	0.0567	10.5	X349219	JRR	12/12/23 15:47	D2
EPA 200.8	Antimony	< 0.0100	mg/L	0.0100	0.00720	10	X349242	SMU	01/04/24 13:36	D1
EPA 200.8	Arsenic	0.319	mg/L	0.0100	0.00210	10	X349242	SMU	01/04/24 13:36	D1
EPA 200.8	Selenium	0.0191	mg/L	0.0100	0.00240	10	X349242	SMU	01/04/24 13:36	D1
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X349242	SMU	01/04/24 13:36	D1
EPA 200.8	Uranium	2.81	mg/L	0.00100	0.000520	10	X349242	SMU	01/04/24 13:36	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X350014	MAC	12/14/23 12:54	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0500	mg/L	0.0500	0.0480	10	X351195	DD	12/22/23 12:30	D1,E12,H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X350032	DD	12/12/23 14:43	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X350167	DD	12/15/23 13:10	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X350217	DD	12/21/23 19:00	D1,E12,H1,S 1 2
SM 2310 B	Acidity to pH 8.3	5680	mg/L as CaCO3	10.0			X350025	MWD	12/11/23 11:03	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:14	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X349290	MWD	12/08/23 18:14	
SM 2540 C	Total Diss. Solids	12700	mg/L	100			X349222	TJL	12/09/23 11:30	D2
SM 2540 D	Total Susp. Solids	73.0	mg/L	5.0			X349223	TJL	12/11/23 15:25	
SM 4500 H B	pH @18.9°C	3.7	pH Units				X349290	MWD	12/08/23 18:14	H5

SVL holds the following certifications:

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

Work order Report Page 12 of 19



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

Newmont - Cripple Creek & Victor	Work Order: X3L0112
Post Office Box 191	Reported: 08-Jan-24 10:58
Victor, CO 80860	

Client Sample ID: **GVMW-125**
SVL Sample ID: **X3L0112-06 (Ground Water)**

Sampled: 06-Dec-23 13:13
Received: 07-Dec-23
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	22.8	mg/L	2.00	0.22	10	X349187	RS	12/08/23 03:22	D2
EPA 300.0	Fluoride	69.7	mg/L	25.0	4.25	250	X349187	RS	12/08/23 13:54	D2
EPA 300.0	Nitrate as N	3.66	mg/L	0.500	0.130	10	X349187	RS	12/08/23 03:22	D1,E12
EPA 300.0	Nitrate+Nitrite as N	3.66	mg/L	1.00	0.440	10	X349187	RS	12/08/23 03:22	D1
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X349187	RS	12/08/23 03:22	D1
EPA 300.0	Sulfate as SO4	8490	mg/L	75.0	45.0	250	X349187	RS	12/08/23 03:38	

Cation/Anion Balance and TDS Ratios

Cation Sum: 177 meq/L	Anion Sum: 181 meq/L	C/A Balance: -1.10 %	Calculated TDS: 9622	TDS/cTDS: 1.32
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This data has been reviewed for accuracy and has been authorized for release.



Kathryn Salter
Project Manager



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

P 719.689.2977
F 719.689.3254
newmont.com

Attachment C

Sampling Logs

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMD - 16Date: 12-5-23Technician: P. BarciaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (C)	Notes
12:21	/	/	/	/

Sample
Method: Oil/Gas visible [Y/N] /Turbid [Y/N] /Clear [Y/N] /Weather: clear, windySignature: 

Comments:

Snow melt Frozen. snow present

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-17Date: 12-5-23Technician: P. BarilaQuarter: 4

Time	pH (SU)	Cond. (uS/cm)	Temp. (C)	Notes
12:16	/	/	/	/

Sample
Method: Oil/Gas visible [Y/N]Turbid [Y/N]Clear [Y/N]Weather: clear, windySignature: 

Comments:

~~Dry~~ snow present. snow melt frozen
on some areas

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-17ADate: 12-5-23Technician: P. BarilaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
12:12	/	/	/	/

Sample
Method: Oil/Gas visible [Y/N] /Turbid [Y/N] /Clear [Y/N] /Weather: clear, windySignature: 

Comments:

Frozen, snow present

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-17 BDate: 12-5-23Technician: D. BarciaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
12:09	/	/	/	/

Sample
Method: ✓Oil/Gas visible [Y/N]Turbid [Y/N]Clear [Y/N]Weather: Clear, warmSignature: [Signature]

Comments:

Frozen. Snow Present

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Surface Water Sampling Log

Location: EMR-20Date: 12-5-23Technician: P. BarciaQuarter: 4

Time	pH (SU)	Cond. (uS/cm)	Temp. (°C)	Notes
11:58	/	/	/	/

Sample
Method: Oil/Gas visible [Y/N]Turbid [Y/N]Clear [Y/N]Weather: Clear, SunnySignature: 

Comments:

Dry. some snow present.

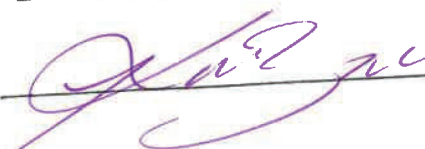
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Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-02Date: 12/5/23Technician: P. BarciaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
11:04	/	/	/	

Sample
Method: Oil/Gas visible (Y/N)Turbid (Y/N)Clear (Y/N)Weather: clear, warmSignature: 

Comments:

NO FLOW

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-03Date: 12-5-23Technician: P. BarlaQuarter: 41

Time	pH (S.D.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:47	/	/	/	

Sample
Method: —Oil/Gas visible [Y/N]Turbid [Y/N]Clear [Y/N]Weather: clear, warmSignature: 

Comments:

NO Flow / Dry

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Gv-06Date: 12-5-23Technician: P. BarelaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:55	/	/	/	

Sample
Method: Oil/Gas visible [X/N]Turbid [X/N]Clear [X/N]Weather: clear, warmSignature: 

Comments:

Frozen, NO FLOW

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Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: BB-1206Date: 12-6-23Technician: P. BarelaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:32	7.44	2.47	15.7	97 water.

ORP
234Sample Method: GrabOil/Gas visible [Y/N] NTurbid [Y/N] NClear [Y/N] NWeather: Clear, warmSignature: 

Comments:

Rinse blank before sampling
Grww-7A

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:

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:	

Volume Calculations:	
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$	For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$
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Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	Show Calculations:

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Groundwater Sampling Log

Location: Grassy ValleyDate: 12.12.23Technician: P. BarelaQuarter: 4Static Water Level (DTW): 37.1Well ID: GVMW-8BIs well Dry? NOIf so Dry at: — feetWell Depth (TD): 50

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:03			6.69	445.2	6.9	8.15	205.3	Started Pumping
10:08	37.7	0.06	6.67	446.4	5.4	7.97	207.1	
10:13	37.6	10.0	6.67	444.5	5.0	8.29	207.2	
10:18	37.6	0	6.69	440.2	5.1	7.00	205.4	
10:23								adjusted Pump
10:28	38.6	1	6.66	431.7	13.1	7.28	193.6	
10:33	38.6	0	6.67	428.3	10.1	7.3	194.0	6.45 yk
10:38	38.6	0	6.67	428.8	10.0	7.4	191.8	
10:43	38.6	0	6.67	411.6	10.12	7.25	187.2	

Sample Method: LOW FLOW Rate (gpm): ~1.7 Time Start: 10:03 Time End: 10:43
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance	Met?	Comments
pH	6.67	±0.1	Y / N
Conductivity	411.6	3%	Y / N
Temp (deg C)	10.12	3%	Y / N
Dissolved Oxygen	7.25	10%	Y / N
Turbidity	clear	10%	Y / N
Oxidation/Reduction	187.2	±10	Y / N
DTW Stabilized	38.6	feet	Y / N
Final H2O level	38.6	feet	

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): ~0.79 Actual vol. pumped (gal): ~3.5
* See Field Volume Guide
 following stabilization

O/G visible: Y / (N)
 Equipment Decontaminated: (Y) / N

Turbid? Y / (N)

Decontamination procedure used: Dedicated Pump - Triple rinse sander
w/liquinox

Weather: cloudy - coldSignature: [Signature]

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

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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: $270 - 231.8 = 38.2$ $3 * 6.23 = 18.69$ $0.1632 * 38.2 = 6.23$

Show Calculations:

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Groundwater Sampling Log

Location: Grassy valleyDate: 12.19.23 / 12.20.23Technician: P. BarilaQuarter: 4Static Water Level (DTW): 121.4Well ID: GVMW-24AIs well Dry? NOIf so Dry at: —Well Depth (TD): 250
feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:05			7.58	1162	5.6	6.86	-67.8	(276)
12:57	230.3		—	—	—	—	—	Stopped Pumping
10:30	221.4		—	—	—	—	—	Insufficient to Pump / Collect Sample

Sample Method: Purge & return Rate (gpm): ~1.4 Time Start: 12:05 Time End: 10:30
* Flow rate at stabilization (during sample collection) 12/19/23 12/20/23

Final Parameters	Stabilization Guidance	Met?	Comments
pH	±0.1	Y / N	
Conductivity	3%	Y / N	
Temp (deg C)	3%	Y / N	
Dissolved Oxygen	10%	Y / N	
Turbidity	10%	Y / N	
Oxidation/Reduction	±10	Y / N	
DTW Stabilized	feet	Y / N	
Final H2O level	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): — Actual vol. pumped (gal) —
 following stabilization

* See Field Volume Guide

O/G visible: Y / N Turbid? Y / N
 Equipment Decontaminated: Y / N

Decontamination procedure used: Triple rinse all equipment w/ isopropylWeather: clear, warmSignature: [Signature]

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:

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Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	Show Calculations:

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Surface Water Sampling Log

Location: Seep-1Date: 12-5-23Technician: P. BarlaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
11:54	/	/	/	

Sample
Method: Oil/Gas visible [Y/N]Turbid [Y/N]Clear [Y/N]Weather: clear, warmSignature: 

Comments:

NO Flow. Frozen. Packed w/ snow

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Surface Water Sampling Log

Location: SEEP-2Date: 12-5-23Technician: P. BarciaQuarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (C)	Notes
12:06	/	/	/	

Sample
Method: Oil/Gas visible [Y/N] /Turbid [Y/N] /Clear [Y/N] /Weather: Clear, warmSignature: 

Comments:

Frozen, Picked w/ snow.

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:

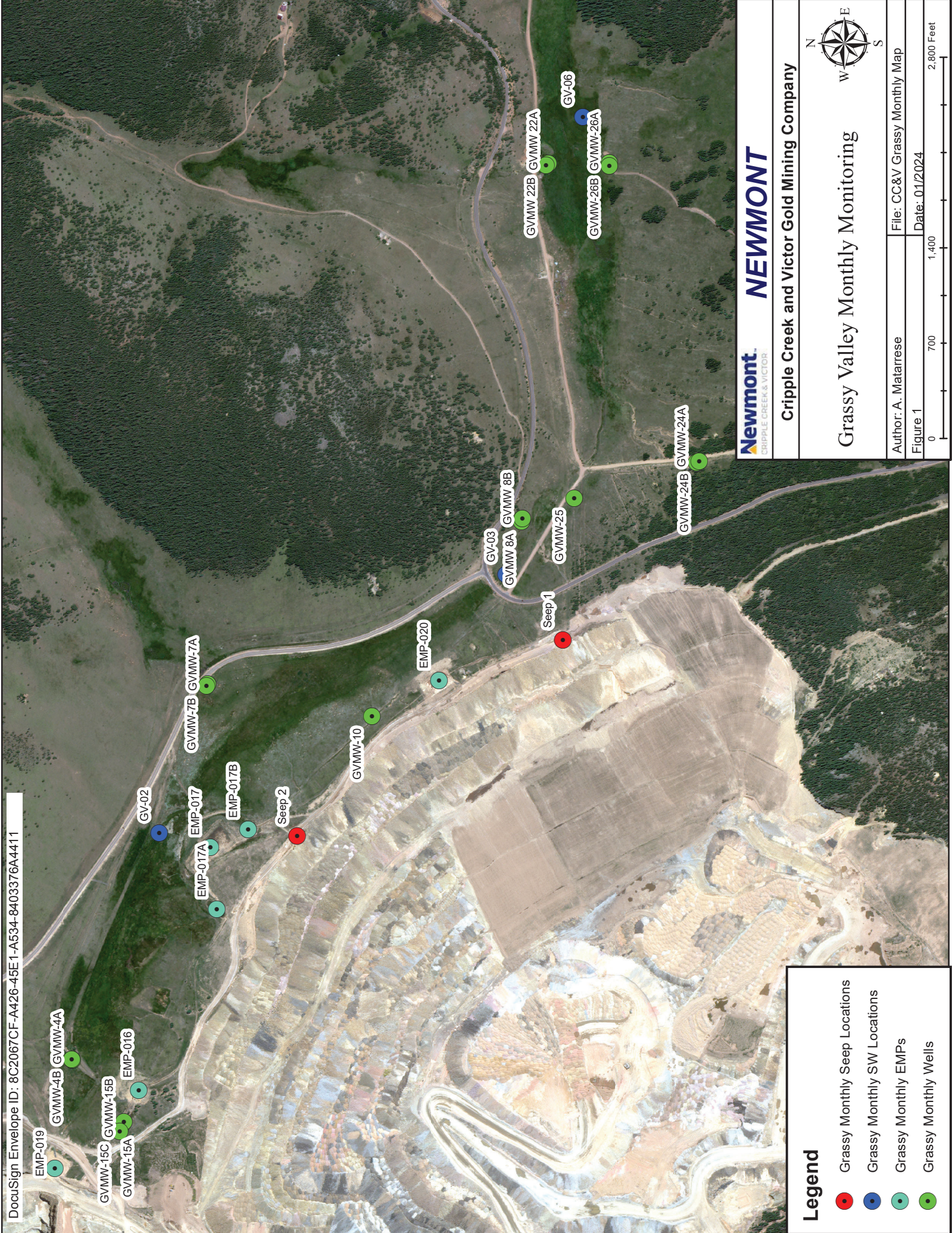


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Attachment D

Location Map



Legend

Grassy Monthly Seep Locations

Grassy Monthly SW Locations

Grassy Monthly EMPs

Grassy Monthly Wells

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NEWMONT

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

07001,4002,800

Feet

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