STATE OF COLORADO

Russell - DNR, Elliott <elliott.russell@state.co.us>

M-1980-244 - Grassy Valley Monthly Data - November 2021

Ronald Parratt <Ronald.Parratt@newmont.com> Tue, Nov 30, 2021 at 9:14 AM
To: "elliott.russell@state.co.us" <elliott.russell@state.co.us>
Cc: Justin Raglin <Justin.Raglin@newmont.com>

Good Morning Mr. Russell

Please see the attached file containing the requested monthly data for Grassy Valley (graphs and analytical reports)

Ronald Parratt

Site Water Coordinator

Water & Energy Specialist

Newmont NORTH AMERICA

100 North 3rd Street

Victor, Colorado 80860

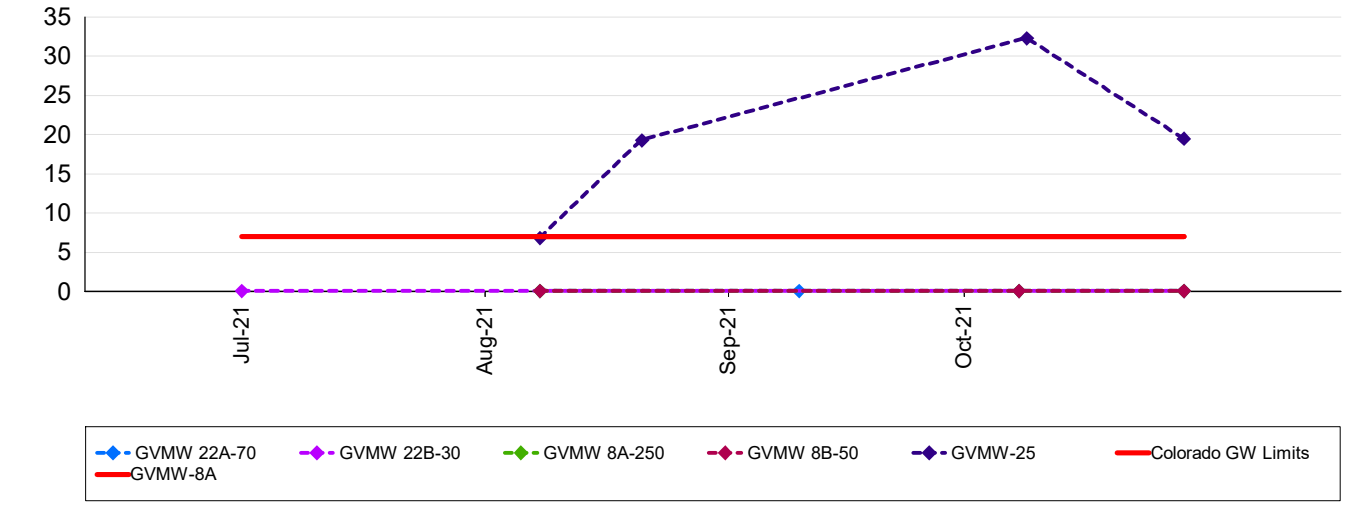
O 719.689.4019

M 719.429.8522

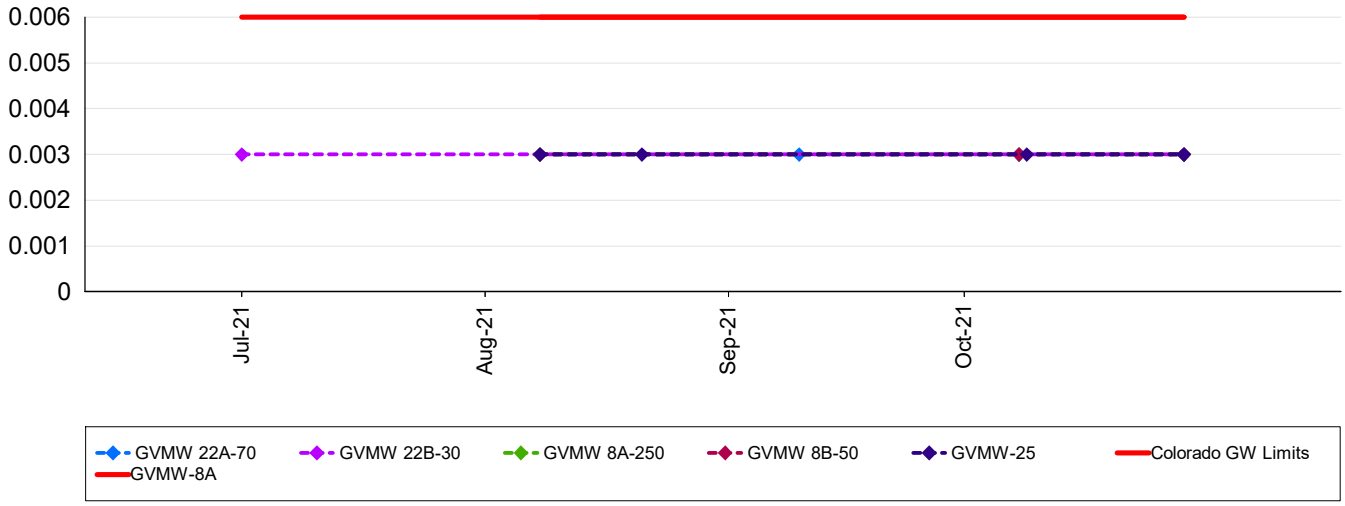
NEWMONT.COM

Grassy_Monthly_November_2021_Data.pdf
359K

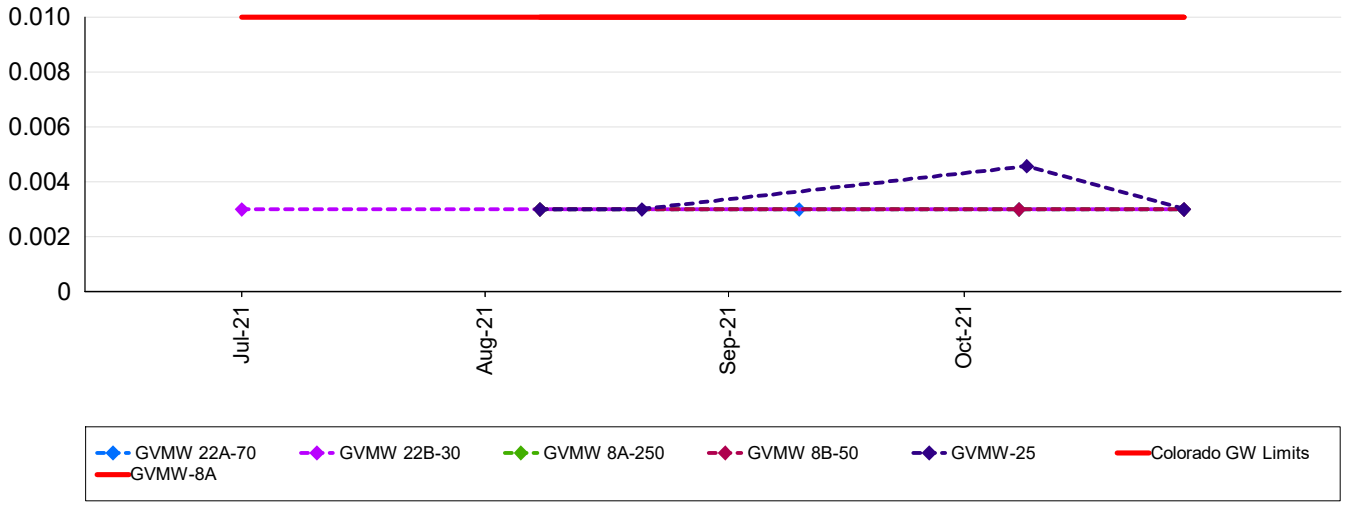
: Aluminium - Dissolved (mg/L)



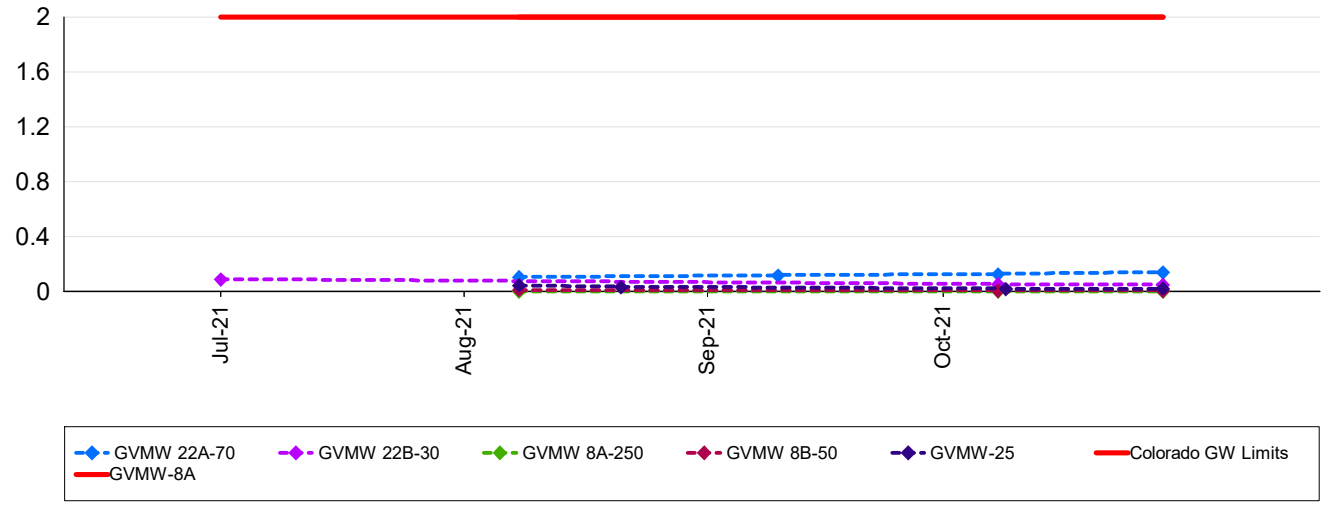
: Antimony - Dissolved (mg/L)



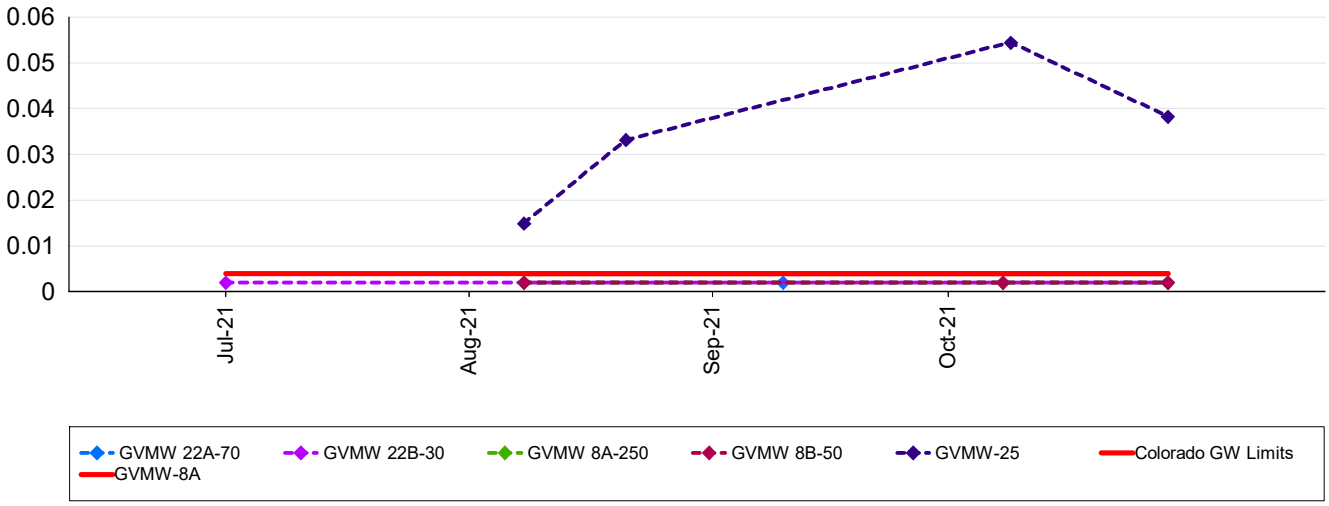
: Arsenic - Dissolved (mg/L)



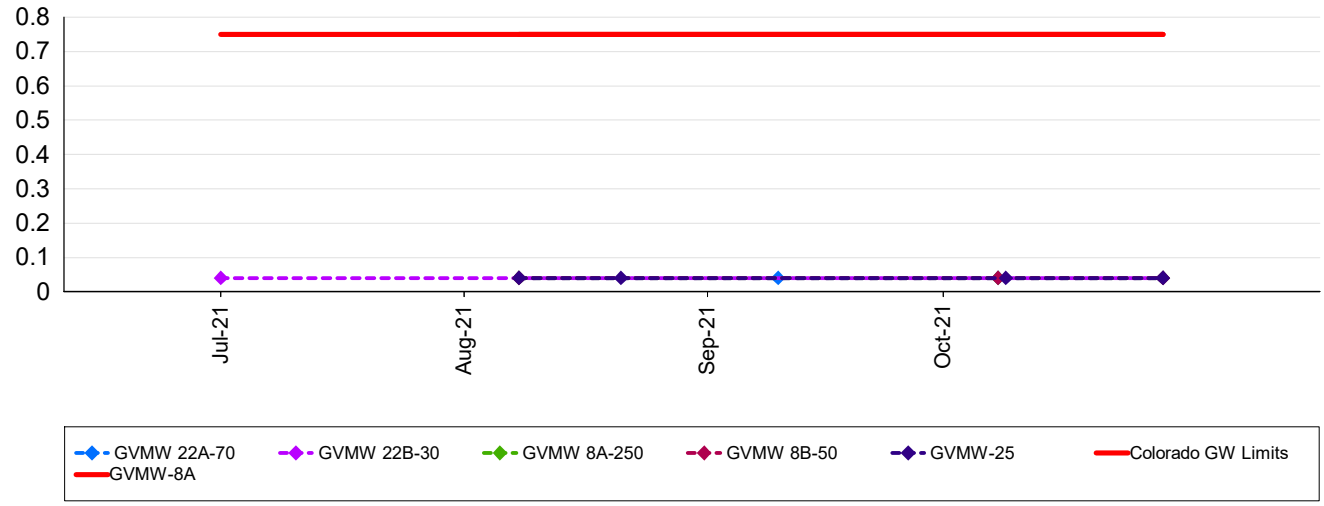
: Barium - Dissolved (mg/L)



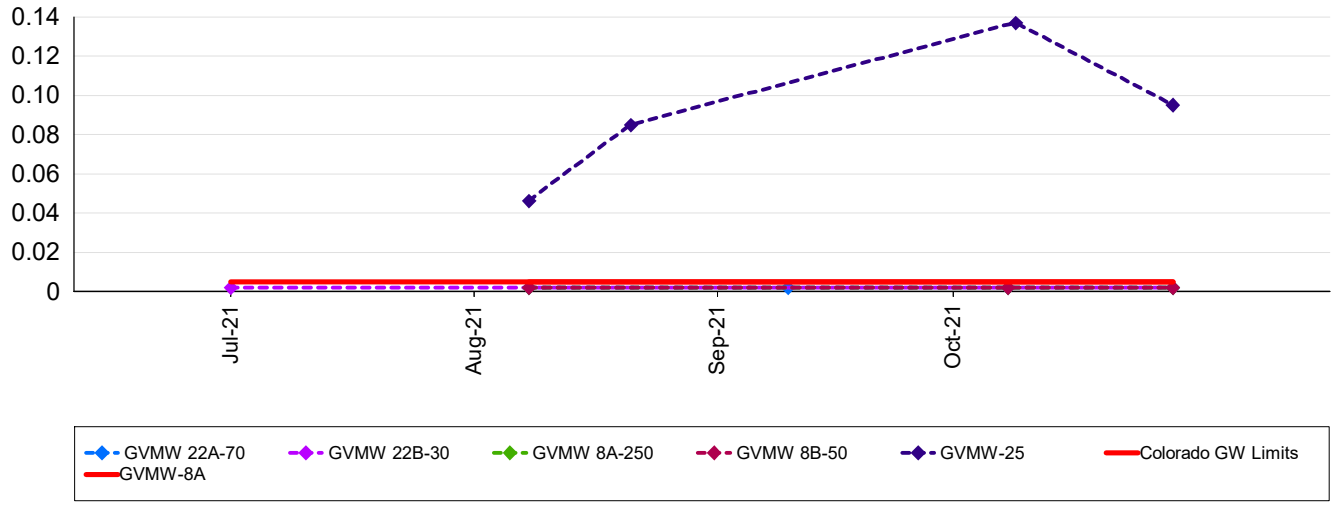
: Beryllium - Dissolved (mg/L)



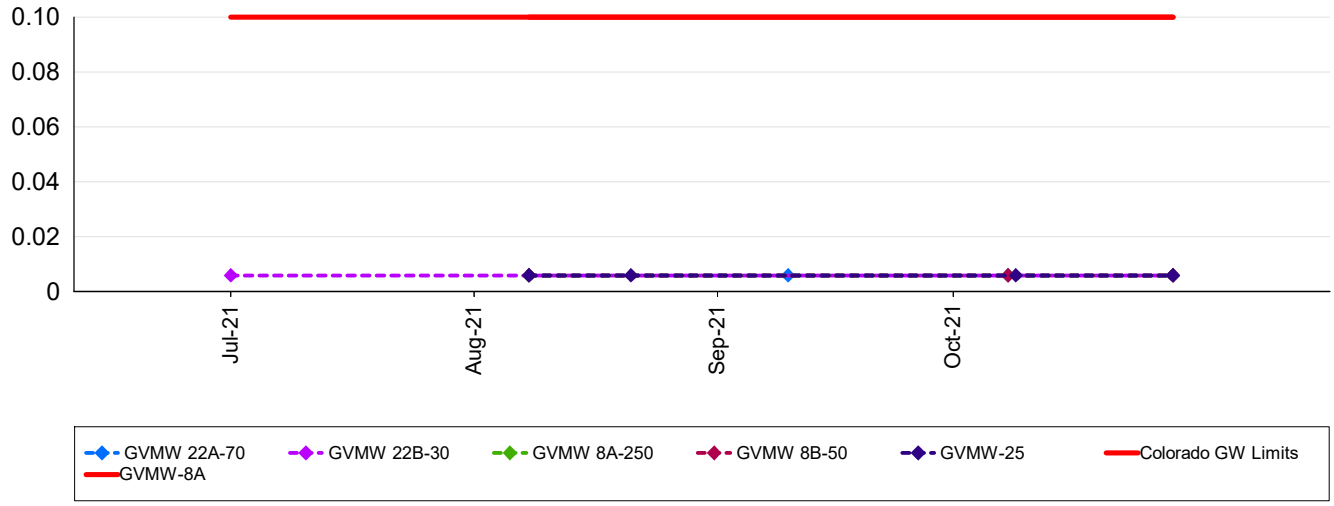
: Boron - Dissolved (mg/L)



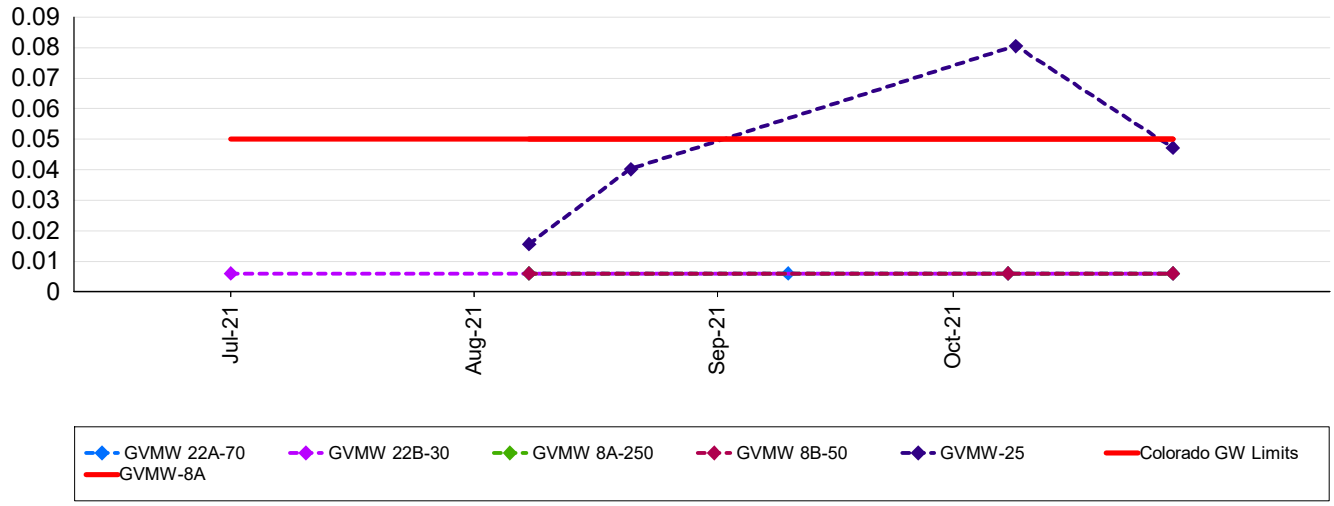
: Cadmium - Dissolved (mg/L)



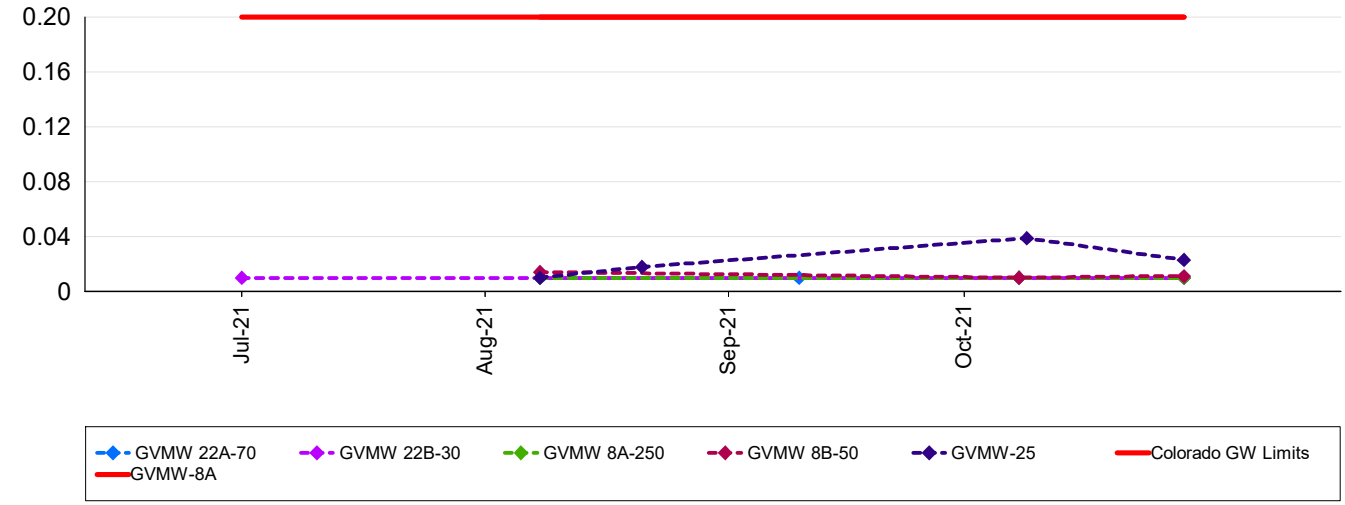
: Chromium - Dissolved (mg/L)



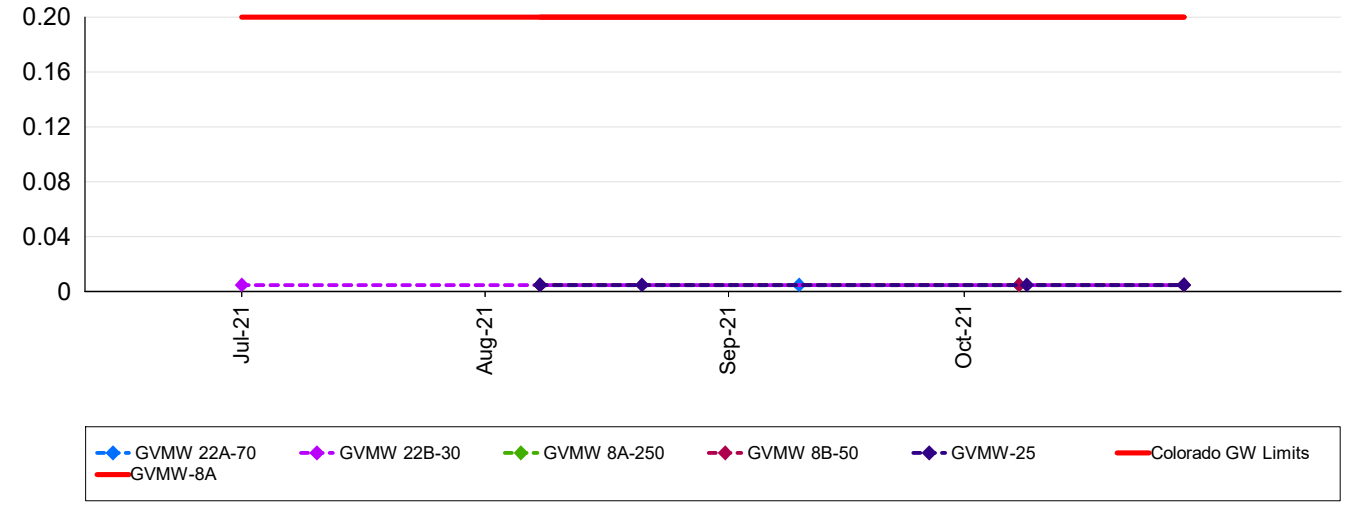
: Cobalt - Dissolved (mg/L)



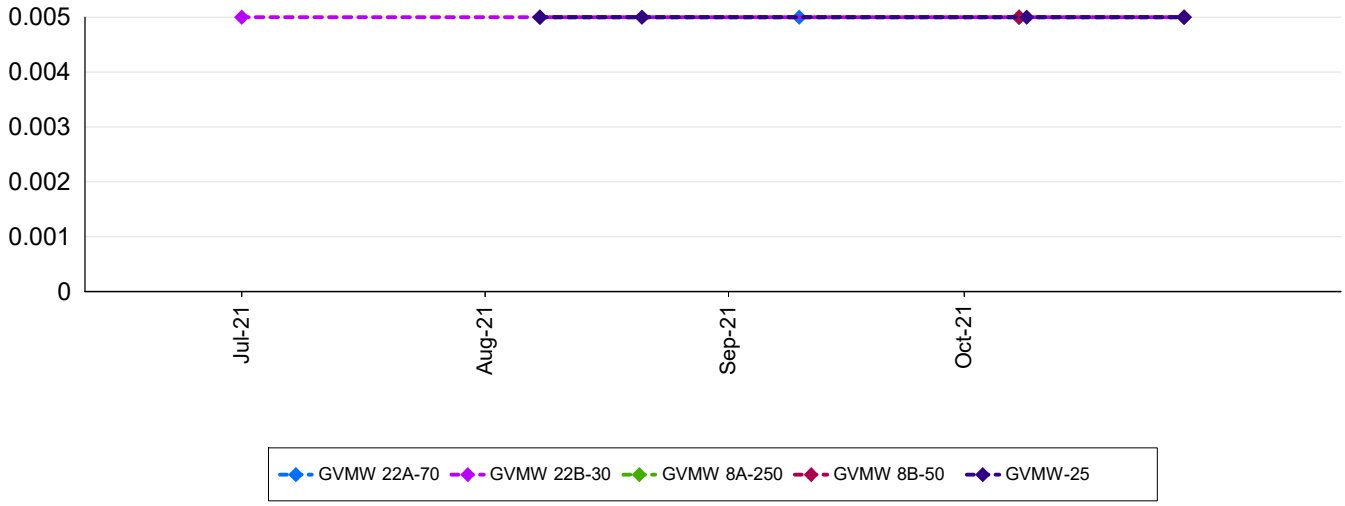
: Copper - Dissolved (mg/L)



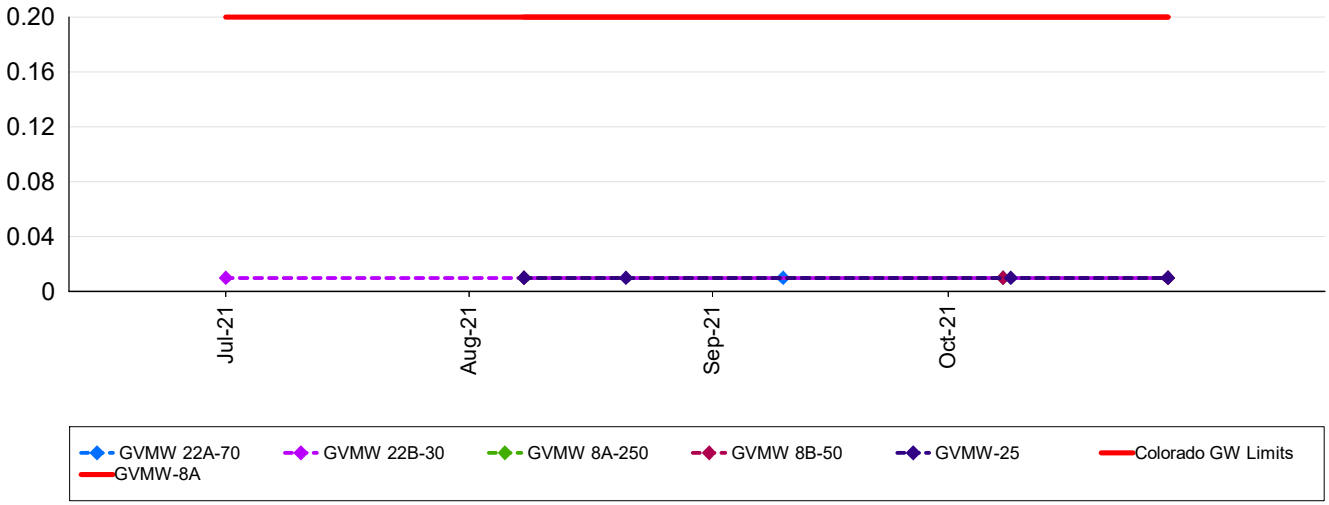
: Cyanide - Free (mg/L)



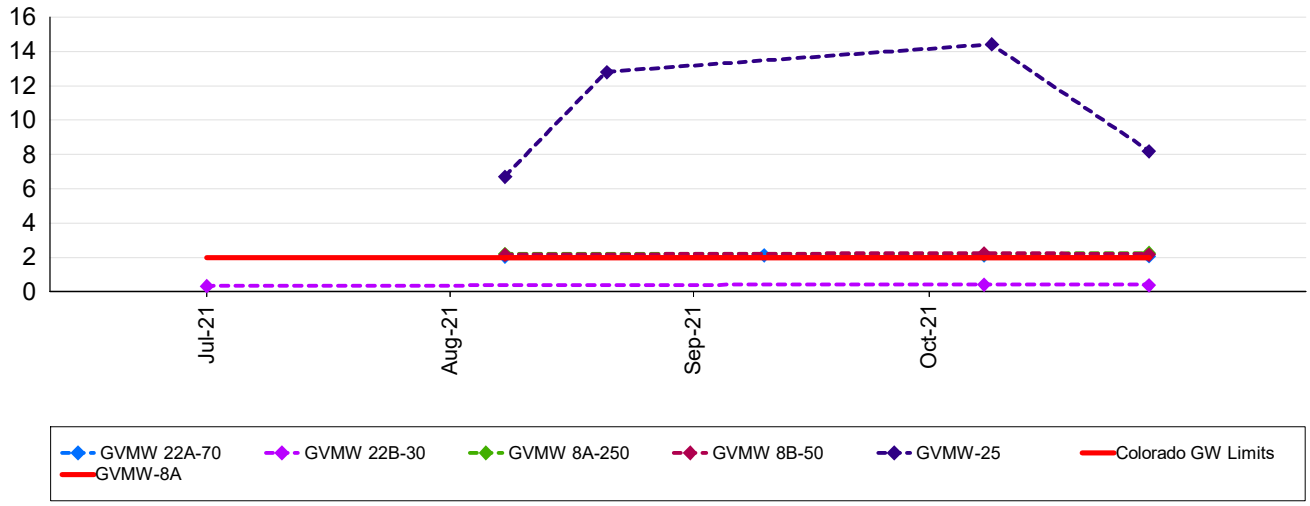
: Cyanide - Total (mg/L)



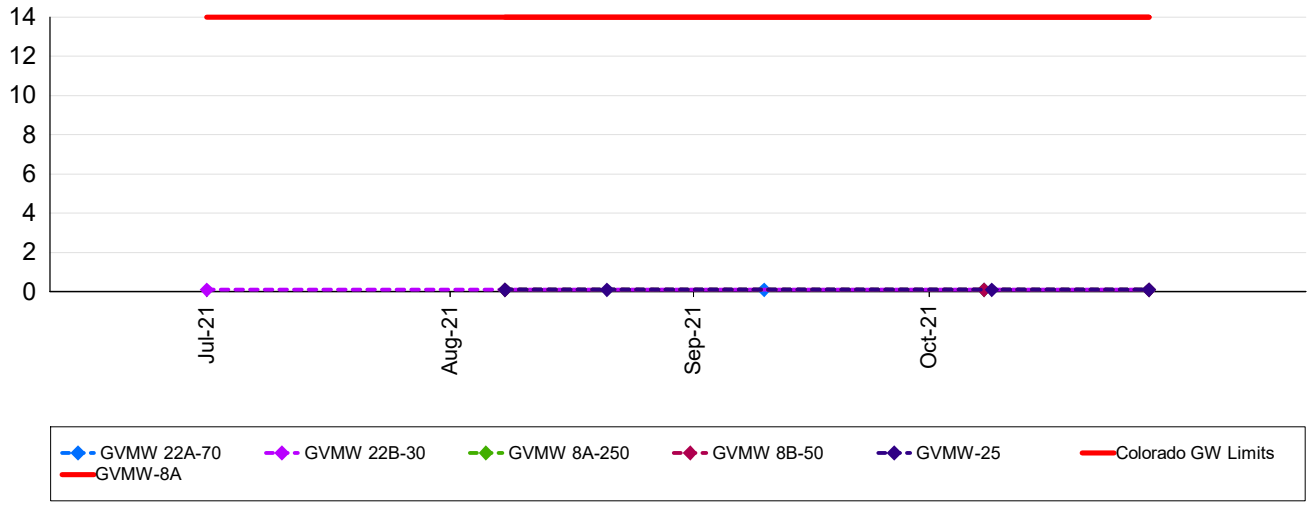
: Cyanide - WAD (mg/L)

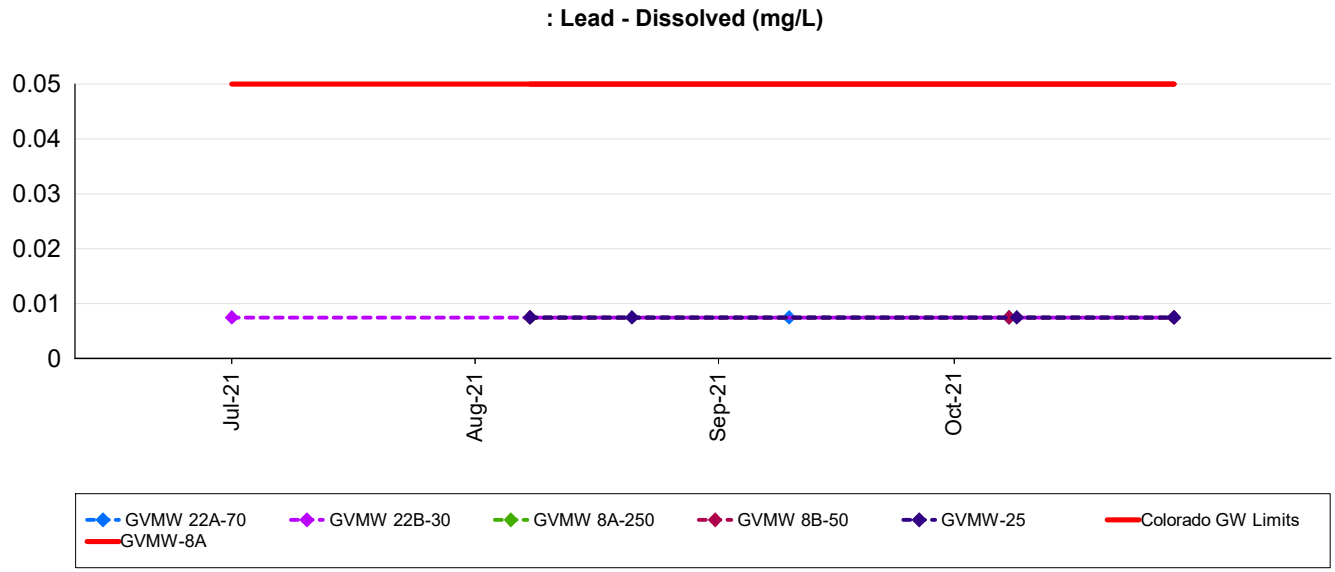


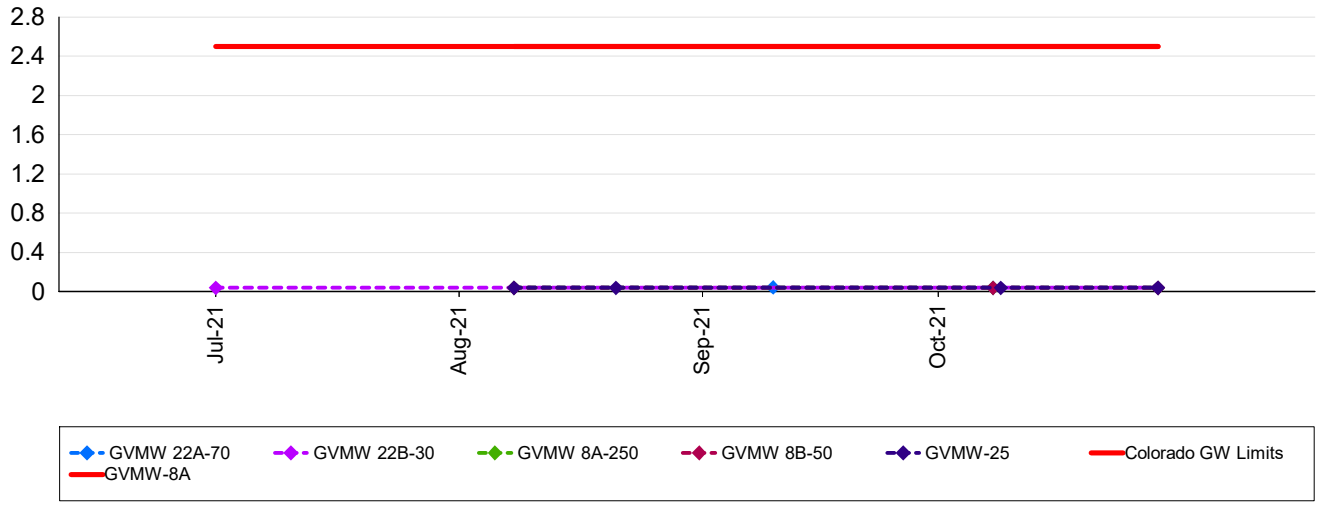
: Fluoride - Total F (mg/L)

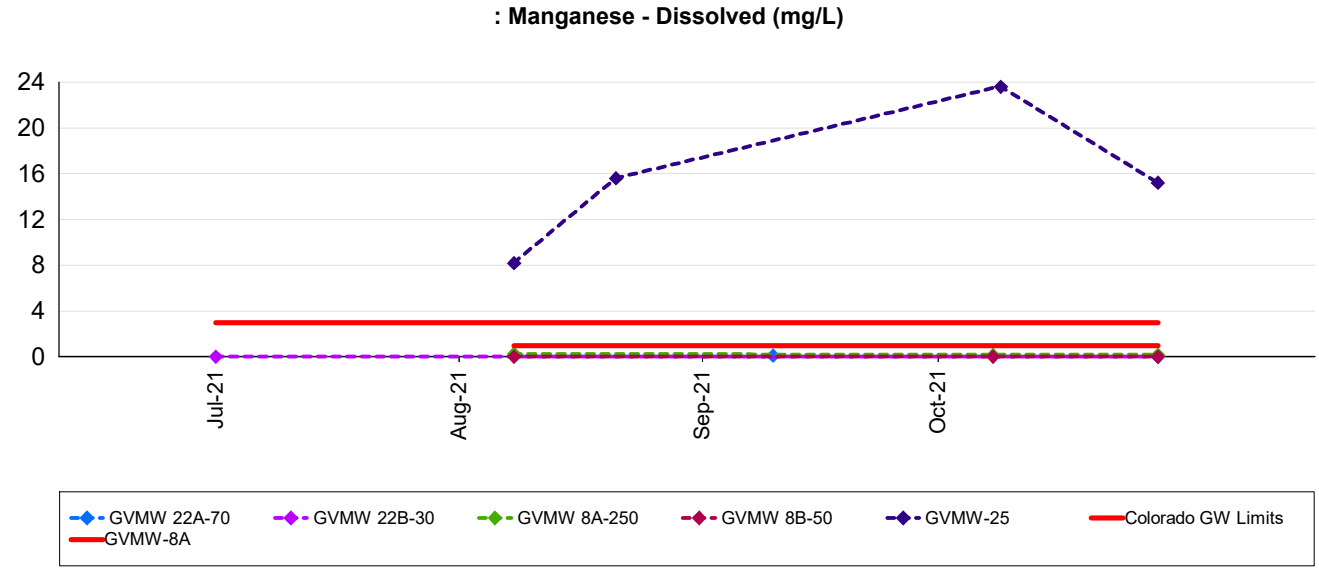


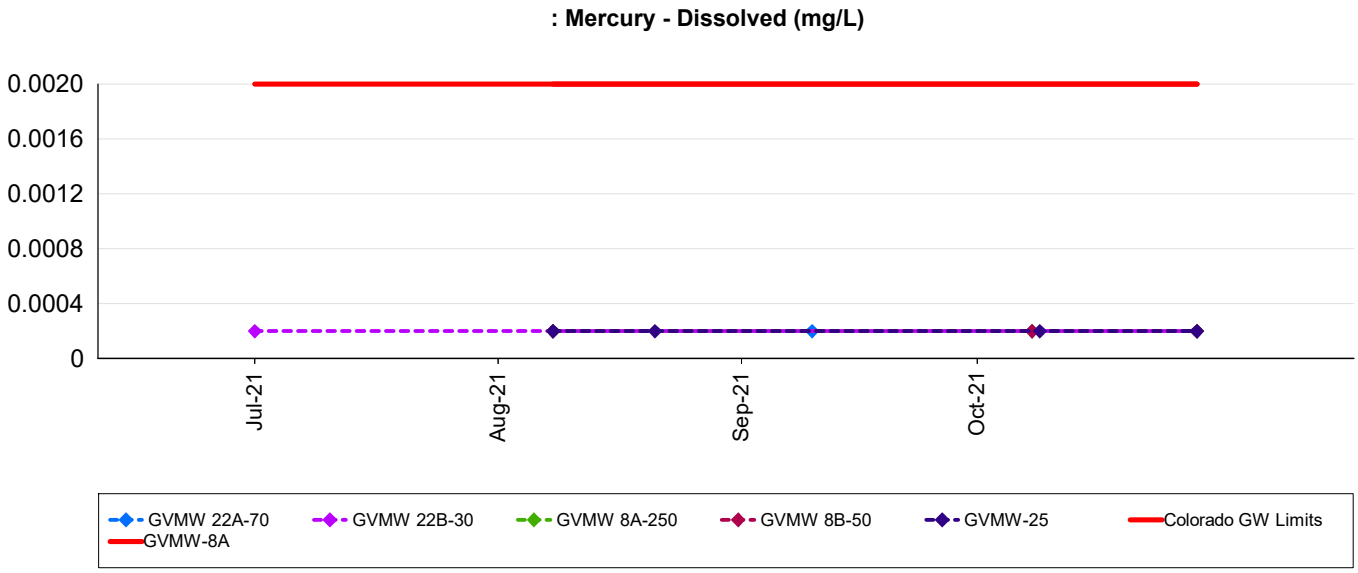
: Iron - Dissolved (mg/L)

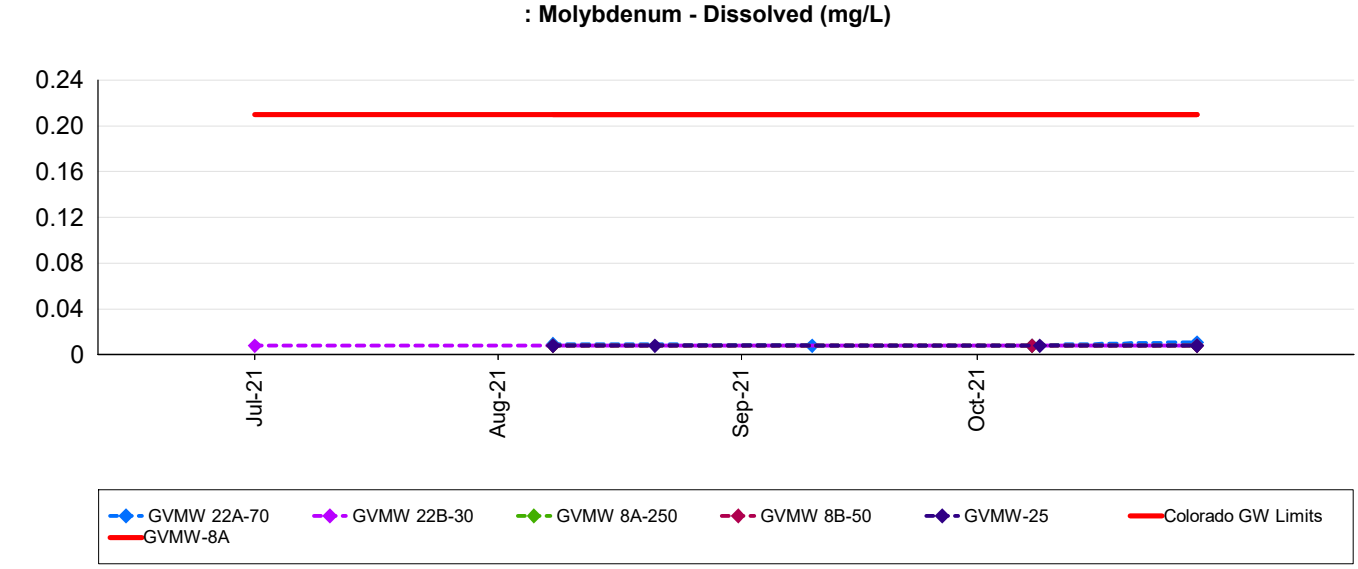


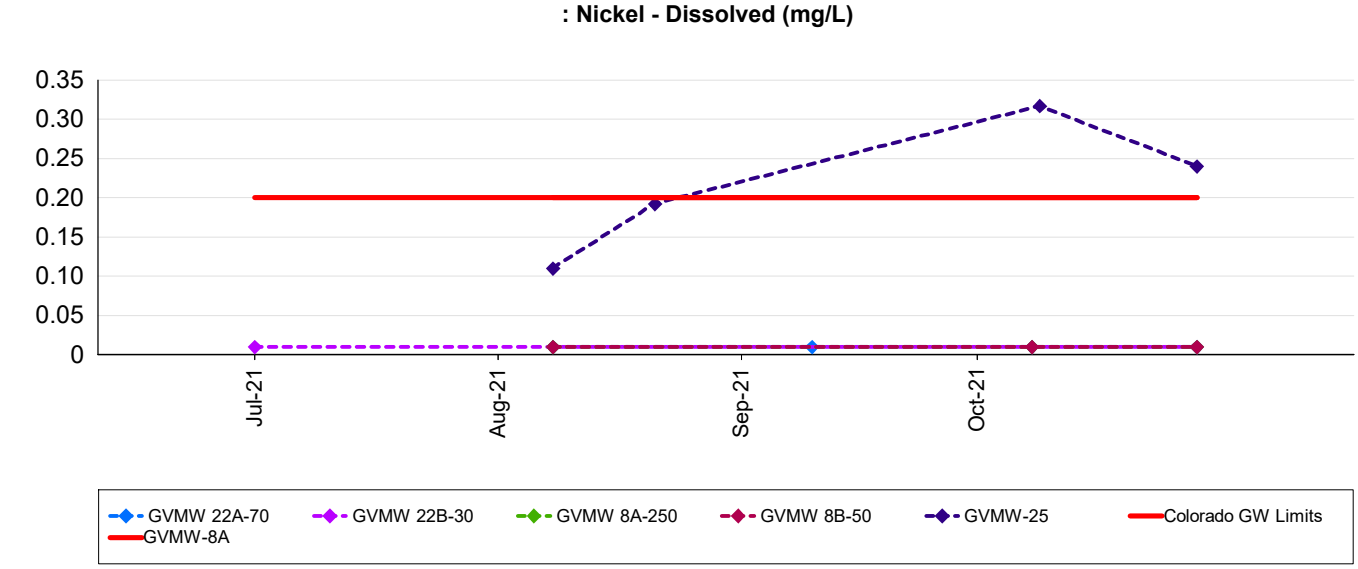

: Lead - Dissolved (mg/L)
0.05
0.04
0.03
0.02
0.01
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Lithium - Dissolved (mg/L)
2.8
2.4
2
1.6
1.2
0.8
0.4
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

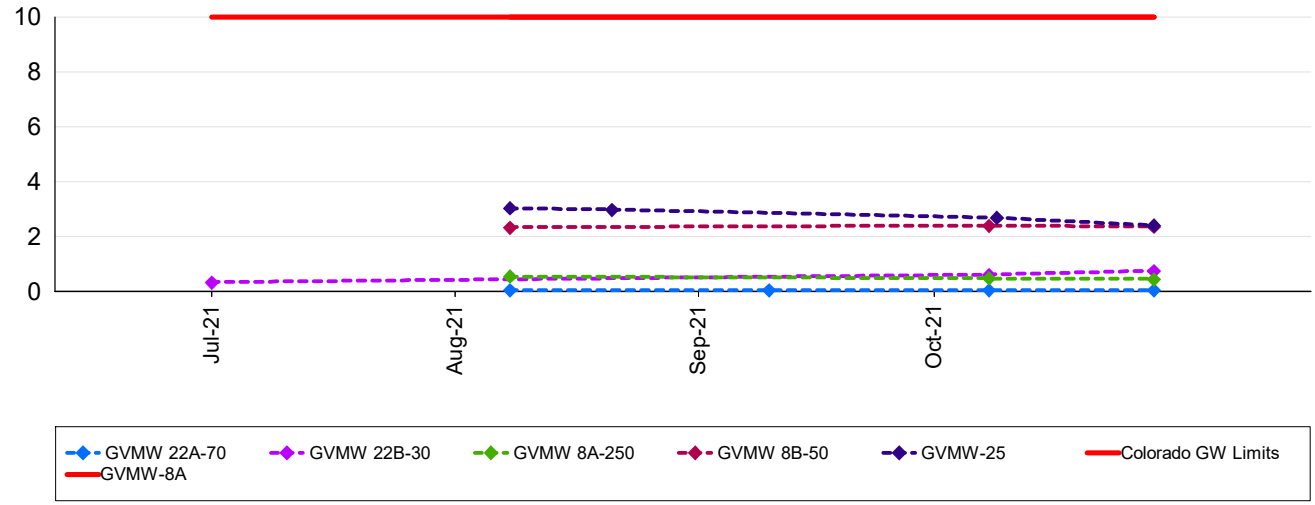

: Manganese - Dissolved (mg/L)
24
20
16
12
8
4
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Mercury - Dissolved (mg/L)
0.0020
0.0016
0.0012
0.0008
0.0004
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

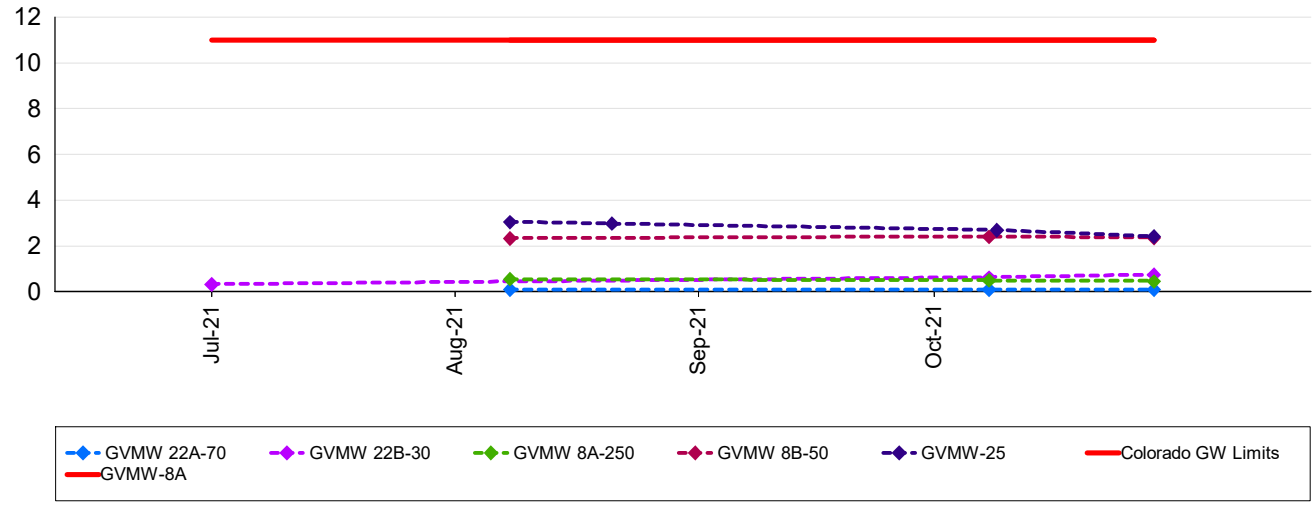

: Molybdenum - Dissolved (mg/L)
0.24
0.20
0.16
0.12
0.08
0.04
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Nickel - Dissolved (mg/L)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

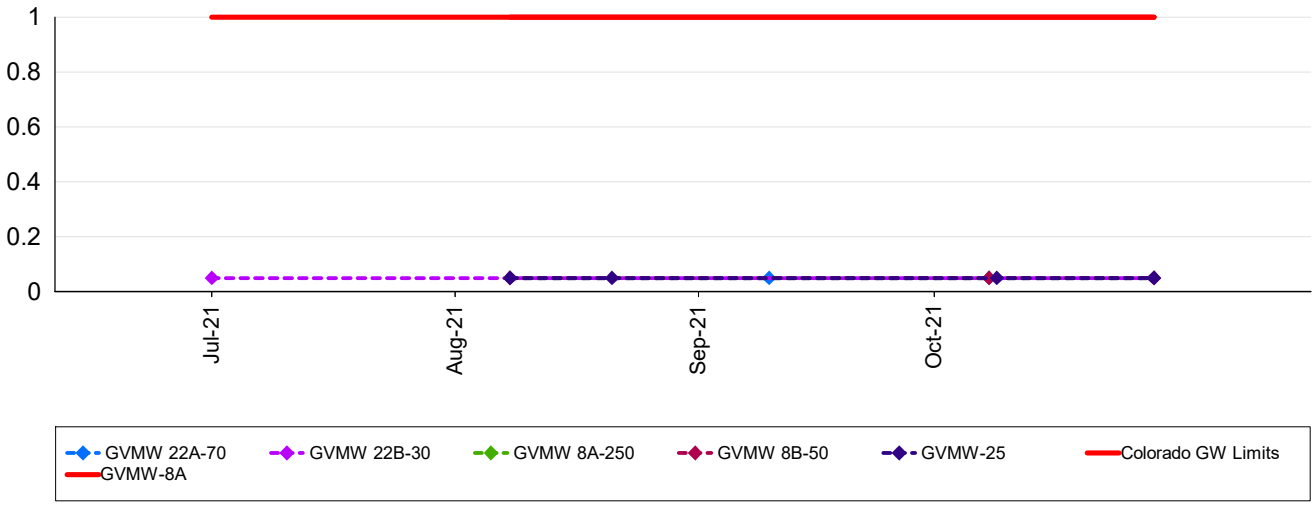
: Nitrate as Nitrogen (mg/L)

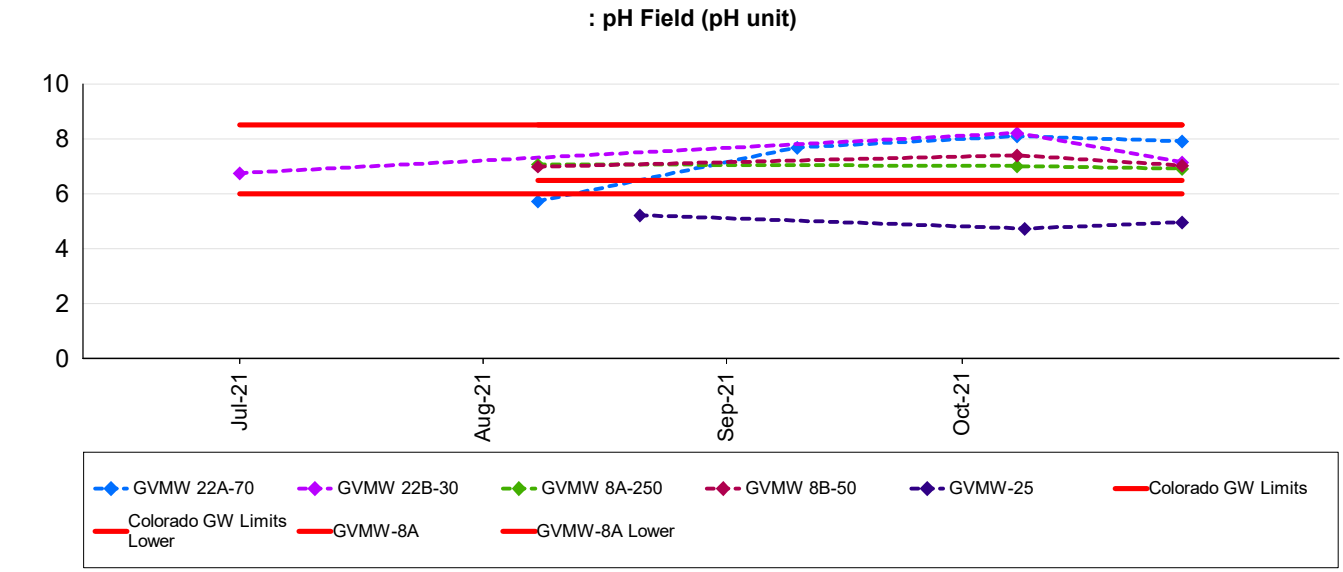


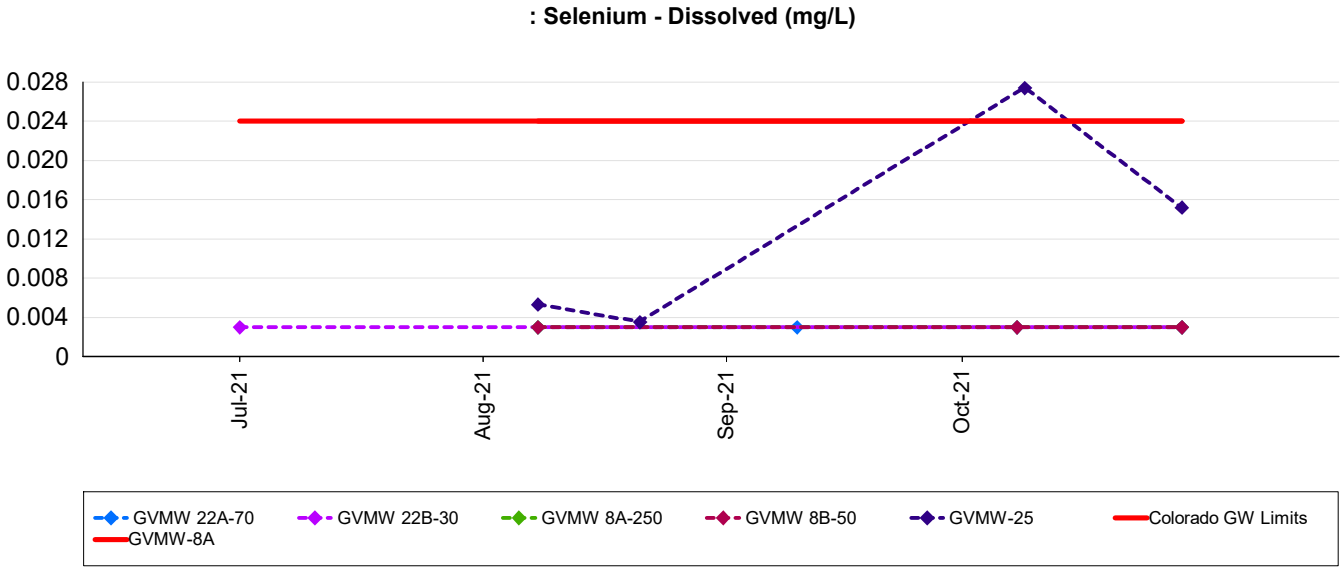
: Nitrite + Nitrate as Nitrogen (mg/L)

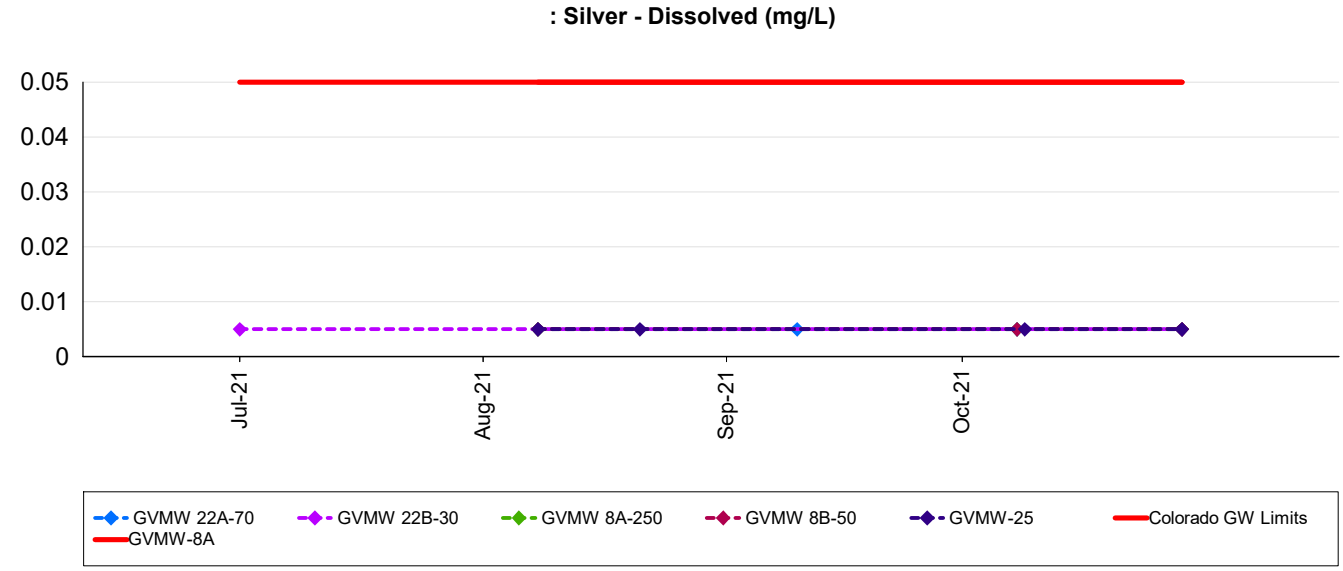


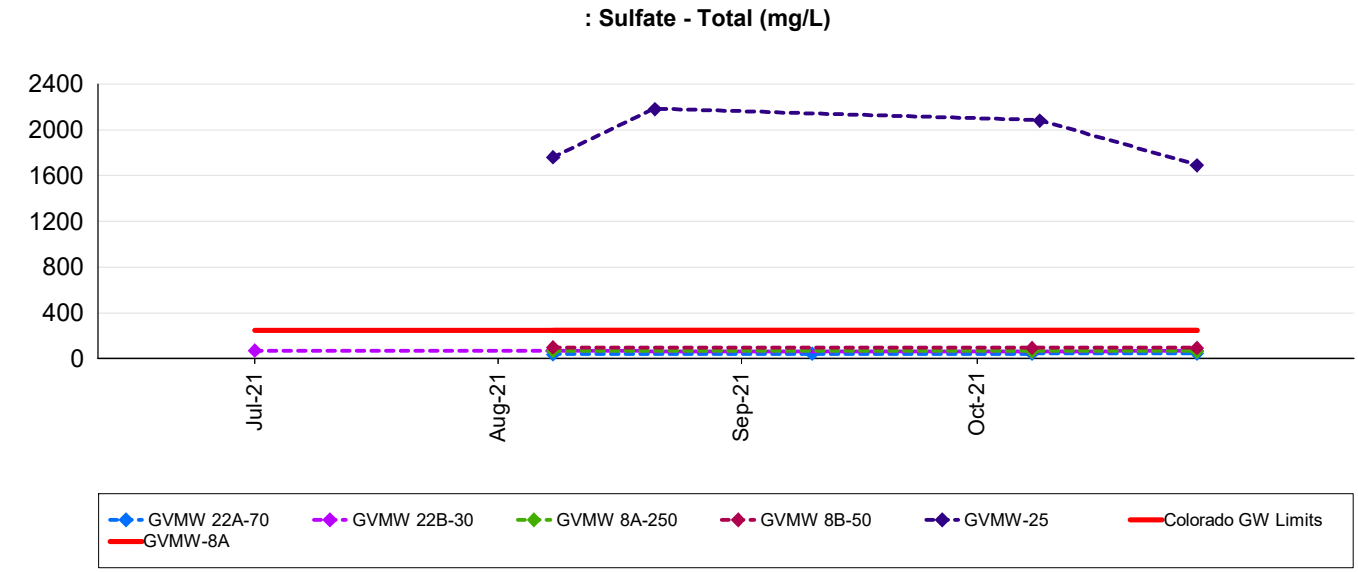
: Nitrite as Nitrogen (mg/L)

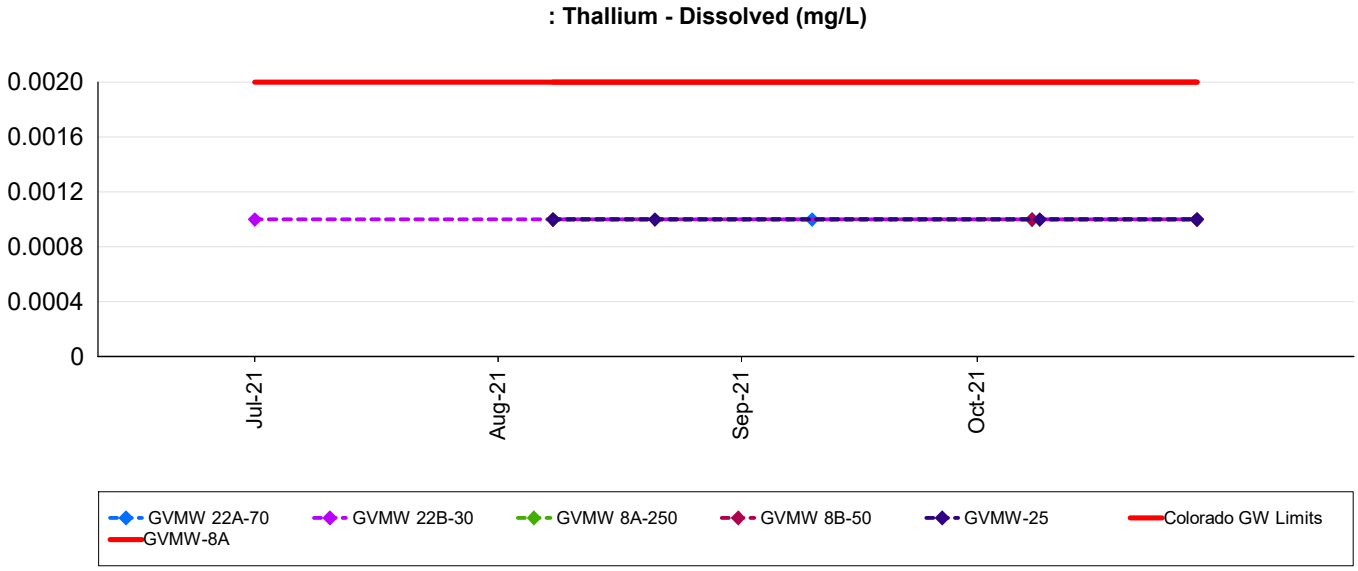


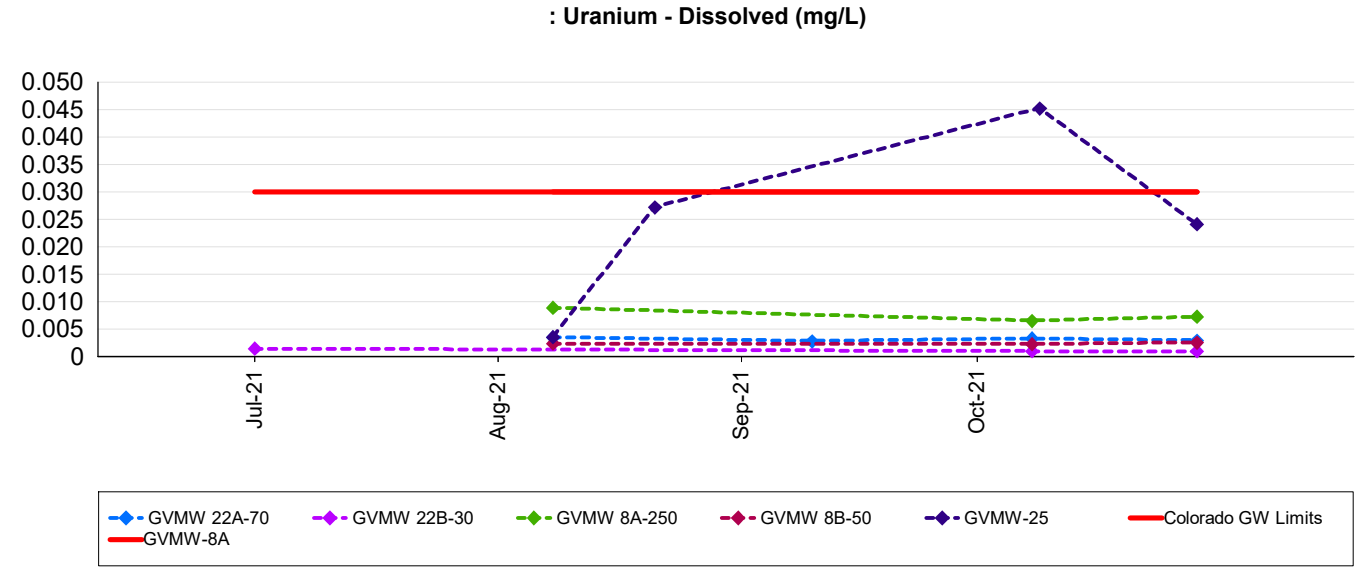

: pH Field (pH unit)
10
8
6
4
2
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
Colorado GW Limits Lower
GVMW-8A
GVMW-8A Lower

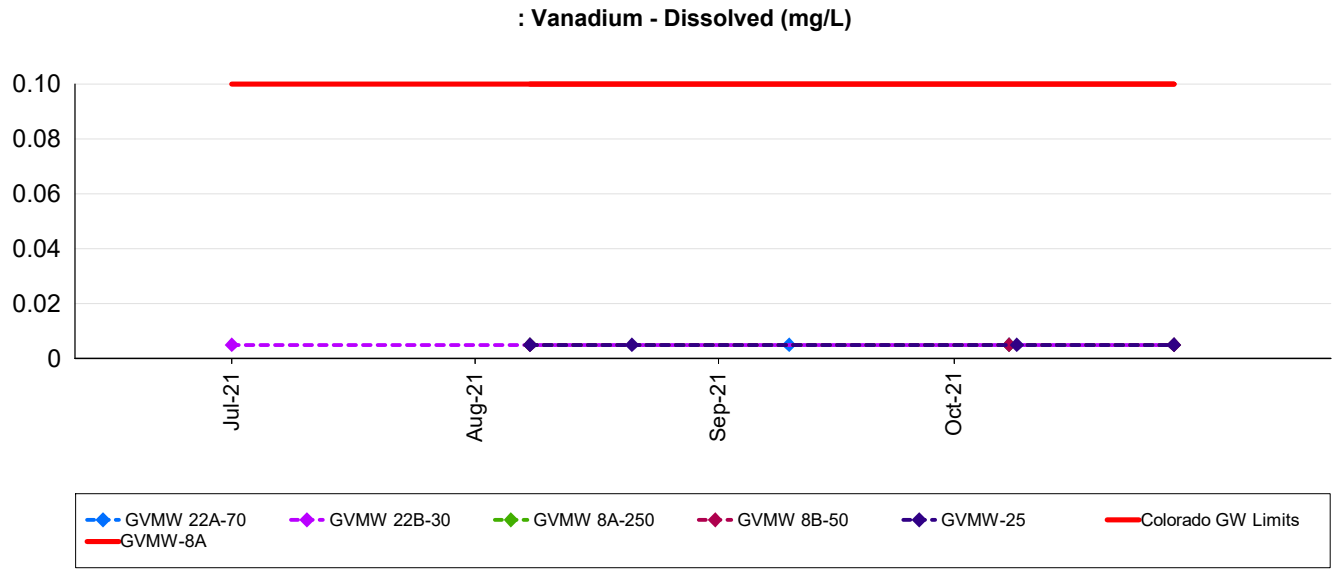

: Selenium - Dissolved (mg/L)
0.028
0.024
0.020
0.016
0.012
0.008
0.004
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

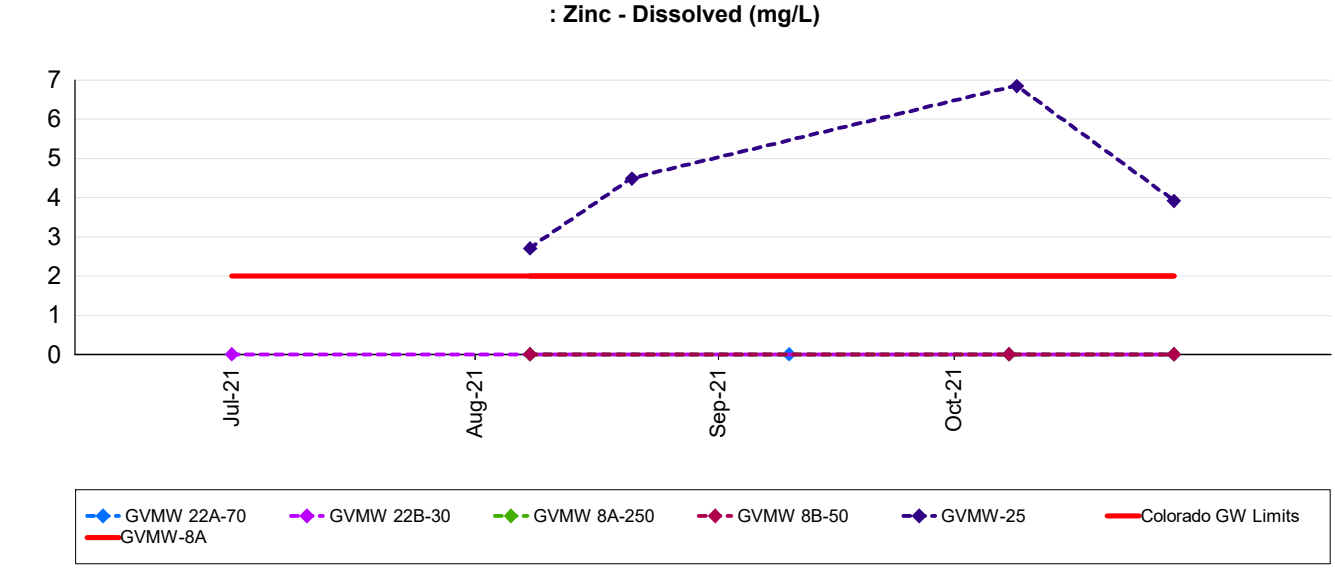

: Silver - Dissolved (mg/L)
0.05
0.04
0.03
0.02
0.01
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Sulfate - Total (mg/L)
2400
2000
1600
1200
800
400
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Thallium - Dissolved (mg/L)
0.0020
0.0016
0.0012
0.0008
0.0004
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Uranium - Dissolved (mg/L)
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Vanadium - Dissolved (mg/L)
0.10
0.08
0.06
0.04
0.02
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Zinc - Dissolved (mg/L)
7
6
5
4
3
2
1
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2021**
Post Office Box 191	Work Order: **X1K0185**
Victor, CO 80860	Reported: 29-Nov-21 18:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8B	X1K0185-01	Ground Water	09-Nov-21 09:15	BOD	10-Nov-2021	
GVMW-22A	X1K0185-02	Ground Water	09-Nov-21 11:55	BOD	10-Nov-2021	
GVMW-8A	X1K0185-03	Ground Water	09-Nov-21 10:35	BOD	10-Nov-2021	
GVMW-22B	X1K0185-04	Ground Water	09-Nov-21 12:45	BOD	10-Nov-2021	
GVMW-25	X1K0185-05	Ground Water	09-Nov-21 14:20	BOD	10-Nov-2021	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

Case Narrative: X1K0185

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

Sample -05 Acidity: Initial measurement appeared high (343) thus reanalysis was requested. Results did not confirm (147) but while initial valaues were obtained within holding time (HT), reanalysis occurred past HT expiration.

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

Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X1K0185-01 (Ground Water)**

Sampled: 09-Nov-21 09:15
Received: 10-Nov-21
Sampled By: BOD

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**	45.4	mg/L	0.100	0.035		X147123	ATM	11/23/21 17:38	
EPA 200.7	**Magnesium**	7.13	mg/L	0.500	0.045		X147123	ATM	11/23/21 17:38	
EPA 200.7	**Potassium**	1.25	mg/L	0.50	0.09		X147123	ATM	11/23/21 17:38	
SM 2340 B	**Hardness (as CaCO3)**	143	mg/L	2.31	0.271		N/A		11/23/21 17:38	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X147117	ATM	11/26/21 09:53	
EPA 200.7	**Barium**	0.0063	mg/L	0.0020	0.0019		X147117	ATM	11/26/21 09:53	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X147117	ATM	11/26/21 09:53	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X147117	ATM	11/26/21 09:53	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X147117	ATM	11/26/21 09:53	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X147117	ATM	11/26/21 09:53	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X147117	ATM	11/26/21 09:53	
EPA 200.7	**Copper**	0.0112	mg/L	0.0100	0.0027		X147117	ATM	11/26/21 09:53	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X147117	ATM	11/26/21 09:53	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X147117	ATM	11/26/21 09:53	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X147117	ATM	11/26/21 09:53	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 09:53	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 09:53	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X147117	ATM	11/26/21 09:53	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 09:53	
EPA 200.7	**Sodium**	26.9	mg/L	0.50	0.12		X147117	ATM	11/26/21 09:53	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 09:53	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X147117	ATM	11/26/21 09:53	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X147077	JFB	11/26/21 13:22	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X147077	JFB	11/26/21 13:22	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X147077	JFB	11/26/21 13:22	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X147077	JFB	11/26/21 13:22	
EPA 200.8	**Uranium**	0.00255	mg/L	0.00100	0.000052		X147077	JFB	11/26/21 13:22	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X147227	ATM	11/19/21 09:17	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X147052	HJL	11/16/21 13:49	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X147194	KJR	11/19/21 15:30	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X147199	KJR	11/22/21 13:56	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X147053	HJL	11/17/21 10:54	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X146227	EKE	11/22/21 12:35	
SM 2320 B	**Total Alkalinity**	39.5	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:13	
SM 2320 B	**Bicarbonate**	39.5	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:13	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:13	
SM 2540 C	**Total Diss. Solids**	311	mg/L	10			X146157	TJL	11/11/21 16:15	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X146158	TJL	11/11/21 16:15	
SM 4500 H B	**pH @19.0°C**	7.0	pH Units				X147100	EKE	11/22/21 14:13	H5

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X1K0185-01 (Ground Water)**

Sampled: 09-Nov-21 09:15
Received: 10-Nov-21
Sampled By: BOD

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	1.40	10	X146147	RS	11/10/21 16:54	D2
EPA 300.0	**Fluoride**	2.17	mg/L	0.100	0.062		X146147	RS	11/10/21 16:34	
EPA 300.0	**Nitrate as N**	2.36	mg/L	0.050	0.043		X146147	RS	11/10/21 16:34	
EPA 300.0	**Nitrate+Nitrite as N**	2.36	mg/L	0.100	0.074		X146147	RS	11/10/21 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X146147	RS	11/10/21 16:34	
EPA 300.0	**Sulfate as SO4**	93.4	mg/L	3.00	1.80	10	X146147	RS	11/10/21 16:54	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.07 meq/L Anion Sum: 4.26 meq/L C/A Balance: -2.27 % Calculated TDS: 259 TDS/cTDS: 1.20

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

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Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X1K0185-02 (Ground Water)**

Sampled: 09-Nov-21 11:55
Received: 10-Nov-21
Sampled By: BOD

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**	32.5	mg/L	0.100	0.035		X147123	ATM	11/23/21 17:48	
EPA 200.7	**Magnesium**	13.3	mg/L	0.500	0.045		X147123	ATM	11/23/21 17:48	
EPA 200.7	**Potassium**	1.14	mg/L	0.50	0.09		X147123	ATM	11/23/21 17:48	
SM 2340 B	**Hardness (as CaCO3)**	136	mg/L	2.31	0.271		N/A		11/23/21 17:48	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X147117	ATM	11/26/21 10:03	
EPA 200.7	**Barium**	0.140	mg/L	0.0020	0.0019		X147117	ATM	11/26/21 10:03	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X147117	ATM	11/26/21 10:03	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X147117	ATM	11/26/21 10:03	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X147117	ATM	11/26/21 10:03	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X147117	ATM	11/26/21 10:03	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X147117	ATM	11/26/21 10:03	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X147117	ATM	11/26/21 10:03	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X147117	ATM	11/26/21 10:03	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X147117	ATM	11/26/21 10:03	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X147117	ATM	11/26/21 10:03	
EPA 200.7	**Manganese**	0.0245	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:03	
EPA 200.7	**Molybdenum**	0.0108	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:03	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X147117	ATM	11/26/21 10:03	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:03	
EPA 200.7	**Sodium**	39.7	mg/L	0.50	0.12		X147117	ATM	11/26/21 10:03	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:03	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X147117	ATM	11/26/21 10:03	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X147077	JFB	11/26/21 13:32	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X147077	JFB	11/26/21 13:32	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X147077	JFB	11/26/21 13:32	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X147077	JFB	11/26/21 13:32	
EPA 200.8	**Uranium**	0.00292	mg/L	0.00100	0.000052		X147077	JFB	11/26/21 13:32	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X147227	ATM	11/19/21 09:19	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X147052	HJL	11/16/21 13:50	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X147194	KJR	11/19/21 15:33	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X147199	KJR	11/22/21 13:58	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X147053	HJL	11/17/21 10:56	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X146227	EKE	11/22/21 12:35	
SM 2320 B	**Total Alkalinity**	159	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:19	
SM 2320 B	**Bicarbonate**	159	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:19	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:19	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:19	
SM 2540 C	**Total Diss. Solids**	237	mg/L	10			X146157	TJL	11/11/21 16:15	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X146158	TJL	11/11/21 16:15	
SM 4500 H B	**pH @19.0°C**	7.9	pH Units				X147100	EKE	11/22/21 14:19	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X1K0185-02 (Ground Water)**

Sampled: 09-Nov-21 11:55
Received: 10-Nov-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.71	mg/L	0.20	0.14		X146147	RS	11/10/21 17:13	
EPA 300.0	**Fluoride**	2.07	mg/L	0.100	0.062		X146147	RS	11/10/21 17:13	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X146147	RS	11/10/21 17:13	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.074		X146147	RS	11/10/21 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X146147	RS	11/10/21 17:13	
EPA 300.0	**Sulfate as SO4**	44.9	mg/L	3.00	1.80	10	X146147	RS	11/10/21 17:32	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.49 meq/L Anion Sum: 4.36 meq/L C/A Balance: 1.40 % Calculated TDS: 234 TDS/cTDS: 1.01

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X1K0185-03 (Ground Water)**

Sampled: 09-Nov-21 10:35
Received: 10-Nov-21
Sampled By: BOD

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**	47.7	mg/L	0.100	0.035		X147123	ATM	11/23/21 17:52	
EPA 200.7	**Magnesium**	5.97	mg/L	0.500	0.045		X147123	ATM	11/23/21 17:52	
EPA 200.7	**Potassium**	0.76	mg/L	0.50	0.09		X147123	ATM	11/23/21 17:52	
SM 2340 B	**Hardness (as CaCO3)**	144	mg/L	2.31	0.271		N/A		11/23/21 17:52	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X147117	ATM	11/26/21 10:06	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X147117	ATM	11/26/21 10:06	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X147117	ATM	11/26/21 10:06	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X147117	ATM	11/26/21 10:06	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X147117	ATM	11/26/21 10:06	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X147117	ATM	11/26/21 10:06	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X147117	ATM	11/26/21 10:06	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X147117	ATM	11/26/21 10:06	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X147117	ATM	11/26/21 10:06	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X147117	ATM	11/26/21 10:06	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X147117	ATM	11/26/21 10:06	
EPA 200.7	**Manganese**	0.187	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:06	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:06	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X147117	ATM	11/26/21 10:06	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:06	
EPA 200.7	**Sodium**	25.8	mg/L	0.50	0.12		X147117	ATM	11/26/21 10:06	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:06	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X147117	ATM	11/26/21 10:06	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X147077	JFB	11/26/21 13:35	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X147077	JFB	11/26/21 13:35	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X147077	JFB	11/26/21 13:35	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X147077	JFB	11/26/21 13:35	
EPA 200.8	**Uranium**	0.00726	mg/L	0.00100	0.000052		X147077	JFB	11/26/21 13:35	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X147227	ATM	11/19/21 09:21	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X147052	HJL	11/16/21 13:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X147194	KJR	11/19/21 15:36	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X147199	KJR	11/22/21 14:00	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X147053	HJL	11/17/21 10:57	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X146227	EKE	11/22/21 12:35	
SM 2320 B	**Total Alkalinity**	49.9	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:27	
SM 2320 B	**Bicarbonate**	49.9	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:27	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:27	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:27	
SM 2540 C	**Total Diss. Solids**	261	mg/L	10			X146157	TJL	11/11/21 16:15	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X146158	TJL	11/11/21 16:15	
SM 4500 H B	**pH @19.0°C**	7.0	pH Units				X147100	EKE	11/22/21 14:27	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X1K0185-03 (Ground Water)**

Sampled: 09-Nov-21 10:35
Received: 10-Nov-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	54.8	mg/L	2.00	1.40	10	X146147	RS	11/10/21 20:08	D2
EPA 300.0	**Fluoride**	2.25	mg/L	0.100	0.062		X146147	RS	11/10/21 19:48	
EPA 300.0	**Nitrate as N**	0.450	mg/L	0.050	0.043		X146147	RS	11/10/21 19:48	
EPA 300.0	**Nitrate+Nitrite as N**	0.450	mg/L	0.100	0.074		X146147	RS	11/10/21 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X146147	RS	11/10/21 19:48	
EPA 300.0	**Sulfate as SO4**	62.6	mg/L	3.00	1.80	10	X146147	RS	11/10/21 20:08	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.03 meq/L Anion Sum: 4.03 meq/L C/A Balance: 0.02 % Calculated TDS: 234 TDS/cTDS: 1.12

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X1K0185-04 (Ground Water)**

Sampled: 09-Nov-21 12:45
Received: 10-Nov-21
Sampled By: BOD

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**	32.6	mg/L	0.100	0.035		X147123	ATM	11/23/21 17:55	
EPA 200.7	**Magnesium**	9.44	mg/L	0.500	0.045		X147123	ATM	11/23/21 17:55	
EPA 200.7	**Potassium**	1.52	mg/L	0.50	0.09		X147123	ATM	11/23/21 17:55	
SM 2340 B	**Hardness (as CaCO3)**	120	mg/L	2.31	0.271		N/A		11/23/21 17:55	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X147117	ATM	11/26/21 10:10	
EPA 200.7	**Barium**	0.0502	mg/L	0.0020	0.0019		X147117	ATM	11/26/21 10:10	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X147117	ATM	11/26/21 10:10	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X147117	ATM	11/26/21 10:10	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X147117	ATM	11/26/21 10:10	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X147117	ATM	11/26/21 10:10	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X147117	ATM	11/26/21 10:10	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X147117	ATM	11/26/21 10:10	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X147117	ATM	11/26/21 10:10	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X147117	ATM	11/26/21 10:10	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X147117	ATM	11/26/21 10:10	
EPA 200.7	**Manganese**	0.0454	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:10	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:10	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X147117	ATM	11/26/21 10:10	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:10	
EPA 200.7	**Sodium**	23.0	mg/L	0.50	0.12		X147117	ATM	11/26/21 10:10	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:10	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X147117	ATM	11/26/21 10:10	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X147077	JFB	11/26/21 13:38	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X147077	JFB	11/26/21 13:38	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X147077	JFB	11/26/21 13:38	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X147077	JFB	11/26/21 13:38	
EPA 200.8	Uranium	< 0.00100	mg/L	0.00100	0.000052		X147077	JFB	11/26/21 13:38	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X147227	ATM	11/19/21 09:27	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X147052	HJL	11/16/21 13:53	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X147194	KJR	11/19/21 15:50	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X147199	KJR	11/22/21 14:03	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X147053	HJL	11/17/21 10:59	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X146227	EKE	11/22/21 12:35	
SM 2320 B	**Total Alkalinity**	69.7	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:33	
SM 2320 B	**Bicarbonate**	69.7	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:33	
SM 2540 C	**Total Diss. Solids**	222	mg/L	10			X146157	TJL	11/11/21 16:15	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X146158	TJL	11/11/21 16:15	
SM 4500 H B	**pH @19.0°C**	7.0	pH Units				X147100	EKE	11/22/21 14:33	H5

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X1K0185-04 (Ground Water)**

Sampled: 09-Nov-21 12:45
Received: 10-Nov-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.9	mg/L	2.00	1.40	10	X146147	RS	11/10/21 20:47	D2
EPA 300.0	**Fluoride**	0.383	mg/L	0.100	0.062		X146147	RS	11/10/21 20:27	
EPA 300.0	**Nitrate as N**	0.750	mg/L	0.050	0.043		X146147	RS	11/10/21 20:27	
EPA 300.0	**Nitrate+Nitrite as N**	0.750	mg/L	0.100	0.074		X146147	RS	11/10/21 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X146147	RS	11/10/21 20:27	
EPA 300.0	**Sulfate as SO4**	69.4	mg/L	3.00	1.80	10	X146147	RS	11/10/21 20:47	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.46 meq/L Anion Sum: 3.36 meq/L C/A Balance: 1.45 % Calculated TDS: 199 TDS/cTDS: 1.12

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-25**
SVL Sample ID: **X1K0185-05 (Ground Water)**

Sampled: 09-Nov-21 14:20
Received: 10-Nov-21
Sampled By: BOD

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**	431	mg/L	0.100	0.035		X147123	ATM	11/23/21 17:59	
EPA 200.7	**Magnesium**	125	mg/L	0.500	0.045		X147123	ATM	11/23/21 17:59	
EPA 200.7	**Potassium**	5.36	mg/L	0.50	0.09		X147123	ATM	11/23/21 17:59	
SM 2340 B	**Hardness (as CaCO3)**	1590	mg/L	2.31	0.271		N/A		11/23/21 17:59	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	19.5	mg/L	0.080	0.054		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Barium**	0.0213	mg/L	0.0020	0.0019		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Beryllium**	0.0382	mg/L	0.00200	0.00080		X147117	ATM	11/26/21 10:13	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Cadmium**	0.0951	mg/L	0.0020	0.0016		X147117	ATM	11/26/21 10:13	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Cobalt**	0.0472	mg/L	0.0060	0.0046		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Copper**	0.0232	mg/L	0.0100	0.0027		X147117	ATM	11/26/21 10:13	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X147117	ATM	11/26/21 10:13	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Lithium**	0.041	mg/L	0.040	0.025		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Manganese**	15.2	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:13	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Nickel**	0.240	mg/L	0.0100	0.0048		X147117	ATM	11/26/21 10:13	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Sodium**	40.8	mg/L	0.50	0.12		X147117	ATM	11/26/21 10:13	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X147117	ATM	11/26/21 10:13	
EPA 200.7	**Zinc**	3.92	mg/L	0.0100	0.0054		X147117	ATM	11/26/21 10:13	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X147077	JFB	11/26/21 13:41	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X147077	JFB	11/26/21 13:41	
EPA 200.8	**Selenium**	0.0152	mg/L	0.00300	0.00024		X147077	JFB	11/26/21 13:41	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X147077	JFB	11/26/21 13:41	
EPA 200.8	**Uranium**	0.0241	mg/L	0.00100	0.000052		X147077	JFB	11/26/21 13:41	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X147227	ATM	11/19/21 09:29	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X147052	HJL	11/16/21 13:55	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X147194	KJR	11/19/21 15:52	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X147199	KJR	11/22/21 14:06	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X147053	HJL	11/17/21 11:00	
SM 2310 B	**Acidity to pH 8.3**	147	mg/L as CaCO3	10.0			X148232	EKE	11/29/21 15:46	H1,N1
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:54	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:54	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:54	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X147100	EKE	11/22/21 14:54	
SM 2540 C	**Total Diss. Solids**	2430	mg/L	40			X146157	TJL	11/11/21 16:15	D2
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X146158	TJL	11/11/21 16:15	
SM 4500 H B	**pH @19.0°C**	4.7	pH Units				X147100	EKE	11/22/21 14:54	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Client Sample ID: **GVMW-25**
SVL Sample ID: **X1K0185-05 (Ground Water)**

Sampled: 09-Nov-21 14:20
Received: 10-Nov-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	22.4	mg/L	10.0	7.00	50	X146147	RS	11/10/21 21:26	D2
EPA 300.0	**Fluoride**	8.18	mg/L	5.00	3.10	50	X146147	RS	11/10/21 21:26	D2
EPA 300.0	**Nitrate as N**	2.41	mg/L	0.050	0.043		X146147	RS	11/10/21 21:06	
EPA 300.0	**Nitrate+Nitrite as N**	2.41	mg/L	0.100	0.074		X146147	RS	11/10/21 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X146147	RS	11/10/21 21:06	
EPA 300.0	**Sulfate as SO4**	1690	mg/L	15.0	9.00	50	X146147	RS	11/10/21 21:26	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 36.6 meq/L Anion Sum: 36.6 meq/L C/A Balance: 0.04 % Calculated TDS: 2344 TDS/cTDS: 1.04

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

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	0.035	0.100	X147123	23-Nov-21	
EPA 200.7	Magnesium	mg/L	<0.500	0.045	0.500	X147123	23-Nov-21	
EPA 200.7	Potassium	mg/L	<0.50	0.09	0.50	X147123	23-Nov-21	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X147117	26-Nov-21	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X147117	26-Nov-21	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X147117	26-Nov-21	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X147117	26-Nov-21	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X147117	26-Nov-21	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X147117	26-Nov-21	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X147117	26-Nov-21	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X147117	26-Nov-21	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X147117	26-Nov-21	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X147117	26-Nov-21	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X147117	26-Nov-21	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X147117	26-Nov-21	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X147117	26-Nov-21	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X147117	26-Nov-21	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X147117	26-Nov-21	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X147117	26-Nov-21	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X147117	26-Nov-21	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X147117	26-Nov-21	
EPA 200.8	Antimony	mg/L	<0.00300	0.00072	0.00300	X147077	26-Nov-21	
EPA 200.8	Arsenic	mg/L	<0.00300	0.00021	0.00300	X147077	26-Nov-21	
EPA 200.8	Selenium	mg/L	<0.00300	0.00024	0.00300	X147077	26-Nov-21	
EPA 200.8	Thallium	mg/L	<0.00100	0.00008	0.00100	X147077	26-Nov-21	
EPA 200.8	Uranium	mg/L	<0.00100	0.000052	0.00100	X147077	26-Nov-21	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X147227	19-Nov-21	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X147052	16-Nov-21	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X147194	19-Nov-21	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X147199	22-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	<0.0100	0.0010	0.0100	X147053	17-Nov-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X146227	22-Nov-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X148232	29-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X147100	22-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X147100	22-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X147100	22-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X147100	22-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X146157	11-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X146158	11-Nov-21	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X146147	10-Nov-21	
EPA 300.0	Fluoride	mg/L	<0.100	0.062	0.100	X146147	10-Nov-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X146147	10-Nov-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.074	0.100	X146147	10-Nov-21	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X146147	10-Nov-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X146147	10-Nov-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.1	20.0	100	85 - 115	X147123	23-Nov-21	
EPA 200.7	Magnesium	mg/L	20.0	20.0	100	85 - 115	X147123	23-Nov-21	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X147123	23-Nov-21	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.03	1.00	103	85 - 115	X147117	26-Nov-21	
EPA 200.7	Barium	mg/L	0.998	1.00	99.8	85 - 115	X147117	26-Nov-21	
EPA 200.7	Beryllium	mg/L	0.990	1.00	99.0	85 - 115	X147117	26-Nov-21	
EPA 200.7	Boron	mg/L	0.992	1.00	99.2	85 - 115	X147117	26-Nov-21	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X147117	26-Nov-21	
EPA 200.7	Chromium	mg/L	0.981	1.00	98.1	85 - 115	X147117	26-Nov-21	
EPA 200.7	Cobalt	mg/L	1.02	1.00	102	85 - 115	X147117	26-Nov-21	
EPA 200.7	Copper	mg/L	0.963	1.00	96.3	85 - 115	X147117	26-Nov-21	
EPA 200.7	Iron	mg/L	10.4	10.0	104	85 - 115	X147117	26-Nov-21	
EPA 200.7	Lead	mg/L	1.02	1.00	102	85 - 115	X147117	26-Nov-21	
EPA 200.7	Lithium	mg/L	1.03	1.00	103	85 - 115	X147117	26-Nov-21	
EPA 200.7	Manganese	mg/L	0.982	1.00	98.2	85 - 115	X147117	26-Nov-21	
EPA 200.7	Molybdenum	mg/L	1.01	1.00	101	85 - 115	X147117	26-Nov-21	
EPA 200.7	Nickel	mg/L	0.997	1.00	99.7	85 - 115	X147117	26-Nov-21	
EPA 200.7	Silver	mg/L	0.0494	0.0500	98.7	85 - 115	X147117	26-Nov-21	
EPA 200.7	Sodium	mg/L	19.6	19.0	103	85 - 115	X147117	26-Nov-21	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X147117	26-Nov-21	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X147117	26-Nov-21	
EPA 200.8	Antimony	mg/L	0.0241	0.0250	96.4	85 - 115	X147077	26-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.2	85 - 115	X147077	26-Nov-21	
EPA 200.8	Selenium	mg/L	0.0226	0.0250	90.2	85 - 115	X147077	26-Nov-21	
EPA 200.8	Thallium	mg/L	0.0257	0.0250	103	85 - 115	X147077	26-Nov-21	
EPA 200.8	Uranium	mg/L	0.0260	0.0250	104	85 - 115	X147077	26-Nov-21	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00495	0.00500	99.0	85 - 115	X147227	19-Nov-21	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0990	0.100	99.0	90 - 110	X147052	16-Nov-21	
EPA 335.4	Cyanide (total)	mg/L	0.0969	0.100	96.9	90 - 110	X147194	19-Nov-21	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X147199	22-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	82 - 118	X147053	17-Nov-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	734	739	99.3	92.1 - 110	X146227	22-Nov-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	730	739	98.8	92.1 - 110	X148232	29-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	94.3 - 106	X147100	22-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94.3 - 106	X147100	22-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	399	397	100	94.3 - 106	X147100	22-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	10.1	9.93	102	95.1 - 106	X147100	22-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	102	99.3	103	95.1 - 106	X147100	22-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	385	397	97.0	95.1 - 106	X147100	22-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X146158	11-Nov-21	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.15	3.00	105	90 - 110	X146147	10-Nov-21	
EPA 300.0	Fluoride	mg/L	2.11	2.00	105	90 - 110	X146147	10-Nov-21	
EPA 300.0	Nitrate as N	mg/L	2.12	2.00	106	90 - 110	X146147	10-Nov-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.74	4.50	105	90 - 110	X146147	10-Nov-21	
EPA 300.0	Nitrite as N	mg/L	2.62	2.50	105	90 - 110	X146147	11-Nov-21	
EPA 300.0	Sulfate as SO4	mg/L	10.6	10.0	106	90 - 110	X146147	10-Nov-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

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	89.7	89.7	0.0	20	X146227 - X1K0162-05	22-Nov-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X148232 - X1K0316-01	29-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	220	218	0.9	20	X147100 - X1K0162-01	22-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	220	218	0.9	20	X147100 - X1K0162-01	22-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X147100 - X1K0162-01	22-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X147100 - X1K0162-01	22-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	247	256	3.6	10	X146157 - X1K0162-01	11-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X146158 - X1K0162-01	11-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	35.0	37.0	5.6	10	X146158 - X1K0197-01	11-Nov-21	
SM 4500 H B	pH @19.0°C	pH Units	7.8	7.9	0.3	20	X147100 - X1K0162-01	22-Nov-21	H5

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	66.4	45.4	20.0	105	70 - 130	X147123 - X1K0185-01	23-Nov-21	
EPA 200.7	Calcium	mg/L	61.9	41.2	20.0	103	70 - 130	X147123 - X1K0232-01	23-Nov-21	
EPA 200.7	Magnesium	mg/L	27.9	7.13	20.0	104	70 - 130	X147123 - X1K0185-01	23-Nov-21	
EPA 200.7	Magnesium	mg/L	44.8	23.8	20.0	105	70 - 130	X147123 - X1K0232-01	23-Nov-21	
EPA 200.7	Potassium	mg/L	21.4	1.25	20.0	101	70 - 130	X147123 - X1K0185-01	23-Nov-21	
EPA 200.7	Potassium	mg/L	24.4	4.04	20.0	102	70 - 130	X147123 - X1K0232-01	23-Nov-21	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.11	<0.080	1.00	111	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Barium	mg/L	1.10	0.0063	1.00	109	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Beryllium	mg/L	1.08	<0.00200	1.00	108	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	105	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Cadmium	mg/L	1.11	<0.0020	1.00	111	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Chromium	mg/L	1.07	<0.0060	1.00	107	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Cobalt	mg/L	1.10	<0.0060	1.00	110	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Copper	mg/L	1.06	0.0112	1.00	105	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Iron	mg/L	11.3	<0.100	10.0	113	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Lead	mg/L	1.10	<0.0075	1.00	110	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Lithium	mg/L	1.14	<0.040	1.00	114	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Manganese	mg/L	1.08	<0.0080	1.00	107	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Molybdenum	mg/L	1.09	<0.0080	1.00	109	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Nickel	mg/L	1.08	<0.0100	1.00	108	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Silver	mg/L	0.0514	<0.0050	0.0500	103	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Sodium	mg/L	47.7	26.9	19.0	110	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Vanadium	mg/L	1.07	<0.0050	1.00	107	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.7	Zinc	mg/L	1.10	<0.0100	1.00	110	70 - 130	X147117 - X1K0185-01	26-Nov-21	
EPA 200.8	Antimony	mg/L	0.0249	<0.00300	0.0250	99.5	70 - 130	X147077 - X1K0185-01	26-Nov-21	
EPA 200.8	Antimony	mg/L	0.0244	<0.00300	0.0250	97.7	70 - 130	X147077 - X1K0185-05	26-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0266	<0.00300	0.0250	106	70 - 130	X147077 - X1K0185-01	26-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0284	<0.00300	0.0250	104	70 - 130	X147077 - X1K0185-05	26-Nov-21	
EPA 200.8	Selenium	mg/L	0.0280	<0.00300	0.0250	110	70 - 130	X147077 - X1K0185-01	26-Nov-21	
EPA 200.8	Selenium	mg/L	0.0417	0.0152	0.0250	106	70 - 130	X147077 - X1K0185-05	26-Nov-21	
EPA 200.8	Thallium	mg/L	0.0247	<0.00100	0.0250	98.7	70 - 130	X147077 - X1K0185-01	26-Nov-21	
EPA 200.8	Thallium	mg/L	0.0239	<0.00100	0.0250	95.4	70 - 130	X147077 - X1K0185-05	26-Nov-21	
EPA 200.8	Uranium	mg/L	0.0299	0.00255	0.0250	109	70 - 130	X147077 - X1K0185-01	26-Nov-21	
EPA 200.8	Uranium	mg/L	0.0509	0.0241	0.0250	107	70 - 130	X147077 - X1K0185-05	26-Nov-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

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 (Filtered)										
EPA 245.1	Mercury	mg/L	0.00112	<0.000200	0.00100	112	70 - 130	X147227 - X1K0185-03	19-Nov-21	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X147052 - X1K0185-01	16-Nov-21	
EPA 335.4	Cyanide (total)	mg/L	0.0490	<0.0100	0.100	49.0	90 - 110	X147194 - X1K0275-01	19-Nov-21	D1,M4
EPA 335.4	Cyanide (total)	mg/L	0.0247	<0.0100	0.100	24.7	90 - 110	X147194 - X1K0275-02	19-Nov-21	D1,M4
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X147199 - X1K0185-01	22-Nov-21	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X147199 - X1K0244-01	22-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.109	<0.0100	0.100	109	82 - 118	X147053 - X1K0185-01	17-Nov-21	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.80	4.71	3.00	103	90 - 110	X146147 - X1K0185-02	10-Nov-21	
EPA 300.0	Chloride	mg/L	3.96	0.87	3.00	103	90 - 110	X146147 - X1K0221-04	11-Nov-21	
EPA 300.0	Fluoride	mg/L	4.11	2.07	2.00	102	90 - 110	X146147 - X1K0185-02	10-Nov-21	
EPA 300.0	Fluoride	mg/L	2.04	<0.100	2.00	102	90 - 110	X146147 - X1K0221-04	11-Nov-21	
EPA 300.0	Nitrate as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X146147 - X1K0185-02	10-Nov-21	
EPA 300.0	Nitrate as N	mg/L	2.45	0.366	2.00	104	90 - 110	X146147 - X1K0221-04	11-Nov-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.53	0.366	4.00	104	90 - 110	X146147 - X1K0221-04	10-Nov-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.06	<0.100	4.00	101	90 - 110	X146147 - X1K0185-02	10-Nov-21	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X146147 - X1K0185-02	10-Nov-21	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X146147 - X1K0221-04	11-Nov-21	
EPA 300.0	Sulfate as SO4	mg/L	55.4	44.9	10.0	105	90 - 110	X146147 - X1K0185-02	10-Nov-21	D2
EPA 300.0	Sulfate as SO4	mg/L	18.0	7.41	10.0	106	90 - 110	X146147 - X1K0221-04	11-Nov-21	

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	67.2	66.4	20.0	1.1	20	109	X147123 - X1K0185-01	
EPA 200.7	Magnesium	mg/L	28.2	27.9	20.0	0.8	20	105	X147123 - X1K0185-01	
EPA 200.7	Potassium	mg/L	21.6	21.4	20.0	0.8	20	102	X147123 - X1K0185-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.07	1.11	1.00	3.5	20	107	X147117 - X1K0185-01	
EPA 200.7	Barium	mg/L	1.06	1.10	1.00	2.9	20	106	X147117 - X1K0185-01	
EPA 200.7	Beryllium	mg/L	1.04	1.08	1.00	3.4	20	104	X147117 - X1K0185-01	
EPA 200.7	Boron	mg/L	1.03	1.06	1.00	2.8	20	102	X147117 - X1K0185-01	
EPA 200.7	Cadmium	mg/L	1.08	1.11	1.00	2.8	20	108	X147117 - X1K0185-01	
EPA 200.7	Chromium	mg/L	1.04	1.07	1.00	2.9	20	104	X147117 - X1K0185-01	
EPA 200.7	Cobalt	mg/L	1.07	1.10	1.00	2.5	20	107	X147117 - X1K0185-01	
EPA 200.7	Copper	mg/L	1.04	1.06	1.00	2.5	20	103	X147117 - X1K0185-01	
EPA 200.7	Iron	mg/L	11.0	11.3	10.0	2.7	20	110	X147117 - X1K0185-01	
EPA 200.7	Lead	mg/L	1.07	1.10	1.00	2.5	20	107	X147117 - X1K0185-01	
EPA 200.7	Lithium	mg/L	1.10	1.14	1.00	3.5	20	110	X147117 - X1K0185-01	
EPA 200.7	Manganese	mg/L	1.04	1.08	1.00	3.5	20	103	X147117 - X1K0185-01	
EPA 200.7	Molybdenum	mg/L	1.06	1.09	1.00	2.6	20	106	X147117 - X1K0185-01	
EPA 200.7	Nickel	mg/L	1.05	1.08	1.00	2.3	20	105	X147117 - X1K0185-01	
EPA 200.7	Silver	mg/L	0.0495	0.0514	0.0500	3.9	20	98.9	X147117 - X1K0185-01	
EPA 200.7	Sodium	mg/L	47.4	47.7	19.0	0.7	20	108	X147117 - X1K0185-01	
EPA 200.7	Vanadium	mg/L	1.04	1.07	1.00	2.8	20	104	X147117 - X1K0185-01	
EPA 200.7	Zinc	mg/L	1.07	1.10	1.00	2.5	20	107	X147117 - X1K0185-01	
EPA 200.8	Antimony	mg/L	0.0259	0.0249	0.0250	4.2	20	104	X147077 - X1K0185-01	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1K0185**
Reported: 29-Nov-21 18:33

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 200.8	Arsenic	mg/L	0.0274	0.0266	0.0250	2.7	20	109	X147077 - X1K0185-01	
EPA 200.8	Selenium	mg/L	0.0278	0.0280	0.0250	0.5	20	110	X147077 - X1K0185-01	
EPA 200.8	Thallium	mg/L	0.0264	0.0247	0.0250	6.6	20	105	X147077 - X1K0185-01	
EPA 200.8	Uranium	mg/L	0.0308	0.0299	0.0250	3.0	20	113	X147077 - X1K0185-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00107	0.00112	0.00100	4.2	20	107	X147227 - X1K0185-03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	0.100	0.100	3.9	11	104	X147052 - X1K0185-01	
EPA 335.4	Cyanide (total)	mg/L	0.0189	0.0247	0.100	26.6	20	18.9	X147194 - X1K0275-02	D1,M4
EPA 335.4	Cyanide (total)	mg/L	0.0467	0.0490	0.100	4.8	20	46.7	X147194 - X1K0275-01	D1,M4
EPA 350.1	Ammonia as N	mg/L	1.03	1.02	1.00	1.1	20	103	X147199 - X1K0185-01	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.109	0.100	0.9	11	110	X147053 - X1K0185-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.79	7.80	3.00	0.1	20	103	X146147 - X1K0185-02	
EPA 300.0	Fluoride	mg/L	4.10	4.11	2.00	0.3	20	101	X146147 - X1K0185-02	
EPA 300.0	Nitrate as N	mg/L	2.05	2.05	2.00	0.2	20	102	X146147 - X1K0185-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	4.06	4.00	0.1	20	101	X146147 - X1K0185-02	
EPA 300.0	Nitrite as N	mg/L	2.00	2.00	2.00	0.0	20	100	X146147 - X1K0185-02	
EPA 300.0	Sulfate as SO4	mg/L	55.3	55.4	10.0	0.3	20	104	X146147 - X1K0185-02	D2

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2021**
Post Office Box 191	Work Order: **X1K0185**
Victor, CO 80860	Reported: 29-Nov-21 18:33

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.
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.
N1	See case narrative.
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