Lewicki & Associates
ENGINEERING | GEOLOGY | ENVIRONMENTAL

April 15, 2025

Colorado Division of Reclamation, Mining, and Safety
1313 Sherman St, Rm 215
Denver, CO 80203

Delivered Via Email
RE: Q1 2025 Water Sampling Results
Gold Hill Mill, Permit No. M-1994-117
Cash Mine, Permit No. M-1983-141

To Whom It May Concern

The first quarter, 2025 ("Q1/25") water sampling was conducted by Lewis Perkins, Colorado Milling Company, on March 30, 2024.

- **Trace Element & Related Data:** Five monitoring stations were sampled for arsenic, cadmium, manganese, zinc, total dissolved solids ("residue") and sulfate. Analyses were performed by Colorado Analytical Laboratories Inc., based in Denver. Copies of their original laboratory analytical reports are included in this submittal.
- **Other Data:** Water depth, temperature and pH data were gathered in the field during sampling and are included in this submittal.

Note that zero values in the graphs represent "non-detect" results.

Please contact me with any questions.

Regards,

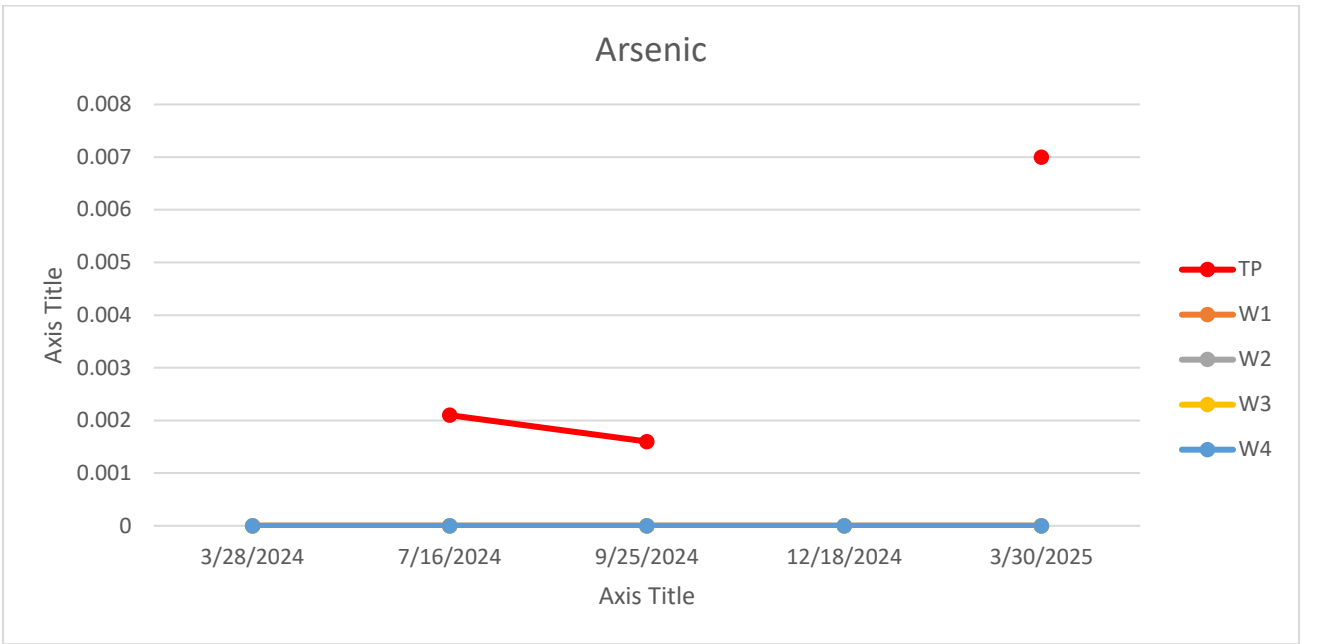
Ben Langenfeld, P.E.
Lewicki & Associates, PLLC
(720) 842-5321, ex. 1
benl@lewicki.biz

Map showing locations of water monitoring stations for permits M-1994-117 & M-1983-141

Locations	Well Measurements							Water Analyses (ppm/mg/L)					
Locations ID	Date	Time	Depth	pH	Temp (C)	Conductivity (uS/cm)	Sample ID	Date	As	Cd	Mn	Zn	Residue	Sulfate
Gold Hill Mill M-1994-117														
W-1	03/30/25	13:05	41.8	7.83	10.8	434	250331067	03/31/25	0	0	0.0009	0.005	297	108
W-2	03/30/25	13:25	58.5	7.66	12.4	533	250331067	03/31/25	0	0.0002	0	0.048	332	157
W-3	03/30/25	13:40	29.5	7.52	14.1	504	250331067	03/31/25	0	0	0	0.005	304	109
W-4	03/30/25	14:05	35.1	7.29	10.8	755	250331067	03/31/25	0	0	0.2485	0.002	478	168
TP	03/30/25	17:10	0	7.95	7.3	1094	250331067	03/31/25	0.007	0.0001	7.92	0.017	769	437
Cash Mine M-1983-141														
MW-1	03/30/25	12:10	59	7.47	11.4	1615	250331067	03/31/25	0	0	0.3617	0.003	1433	877
MW-5	03/30/25	16:25	20.1	7.58	12.7	919	250331067	03/31/25	0	0	0.1949	0.005	698	354
CG	03/30/25	15:20	0	7.92	8.6	604	250331067	03/31/25	0	0.0009	0.0151	0.235	405	241
CMP	03/30/25	16:40	0	8.15	12.1	767	250331067	03/31/25	0	0.0014	0.0109	0.425	564	323

Analytes from lab analysis are dissolved.

Gold Hill Mill Analyte Graphs for the Past Five Quarters


Arsenic
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0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
Axis Title
3/28/2024
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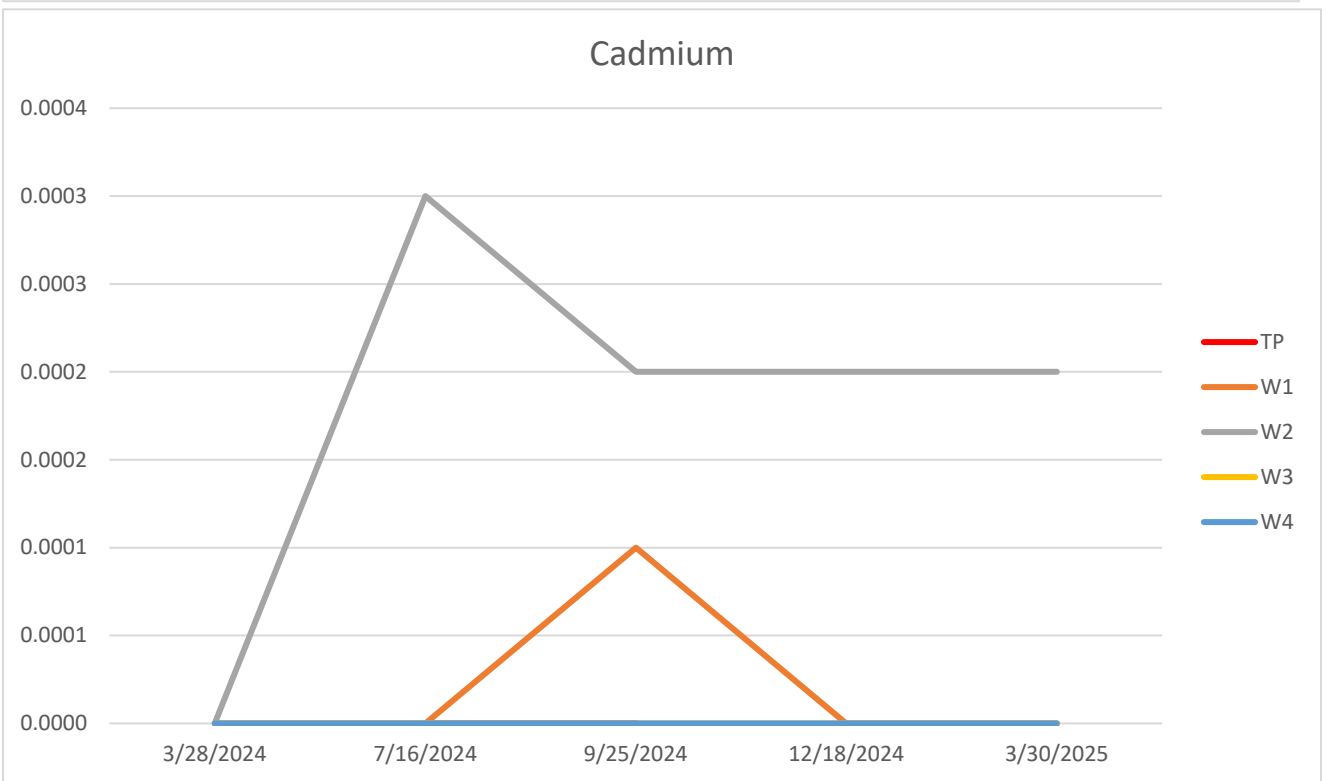
12/18/2024
3/30/2025
Axis Title
TP
W1
W2
W3
W4


Cadmium
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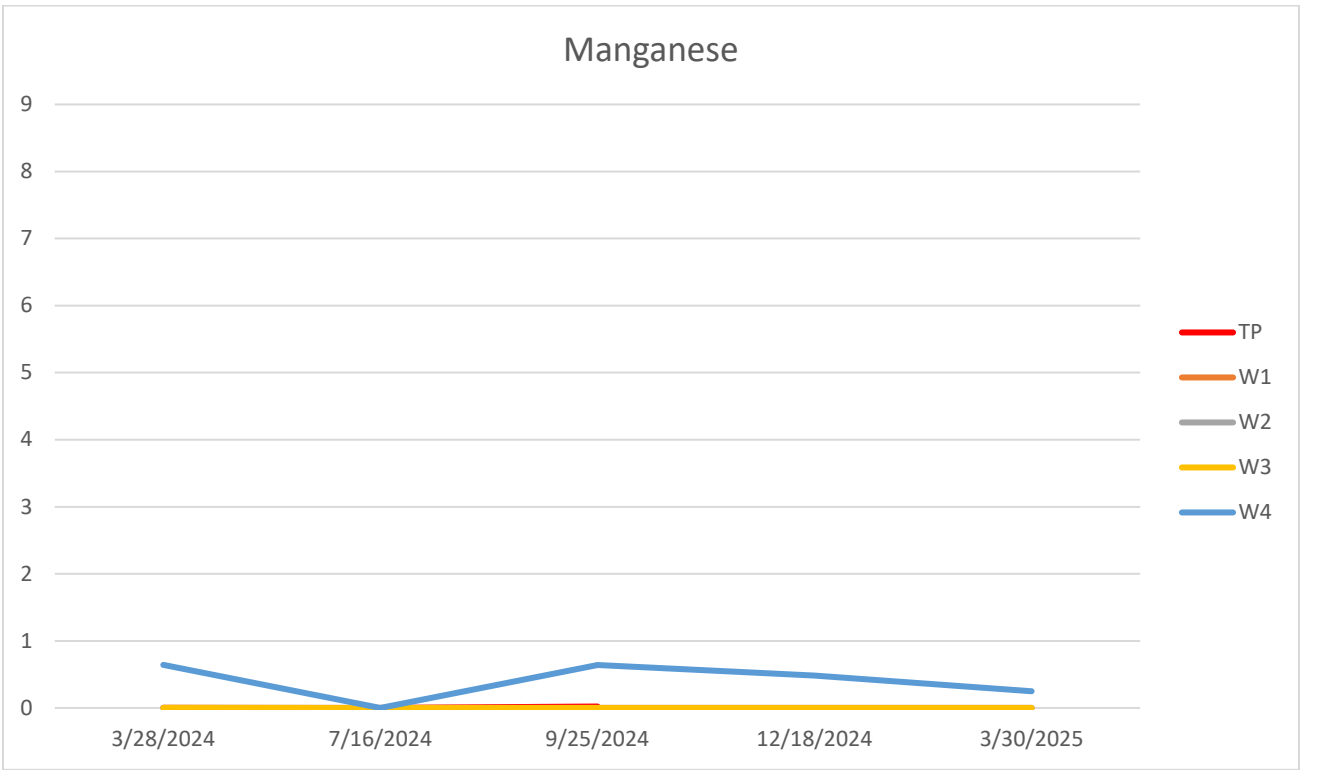
0.0003
0.0003
0.0002
0.0002
0.0001
0.0001
0.0000
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
TP
W1
W2
W3
W4


Manganese
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8
7
6
5
4
3
2
1
0
3/28/2024
7/16/2024
9/25/2024
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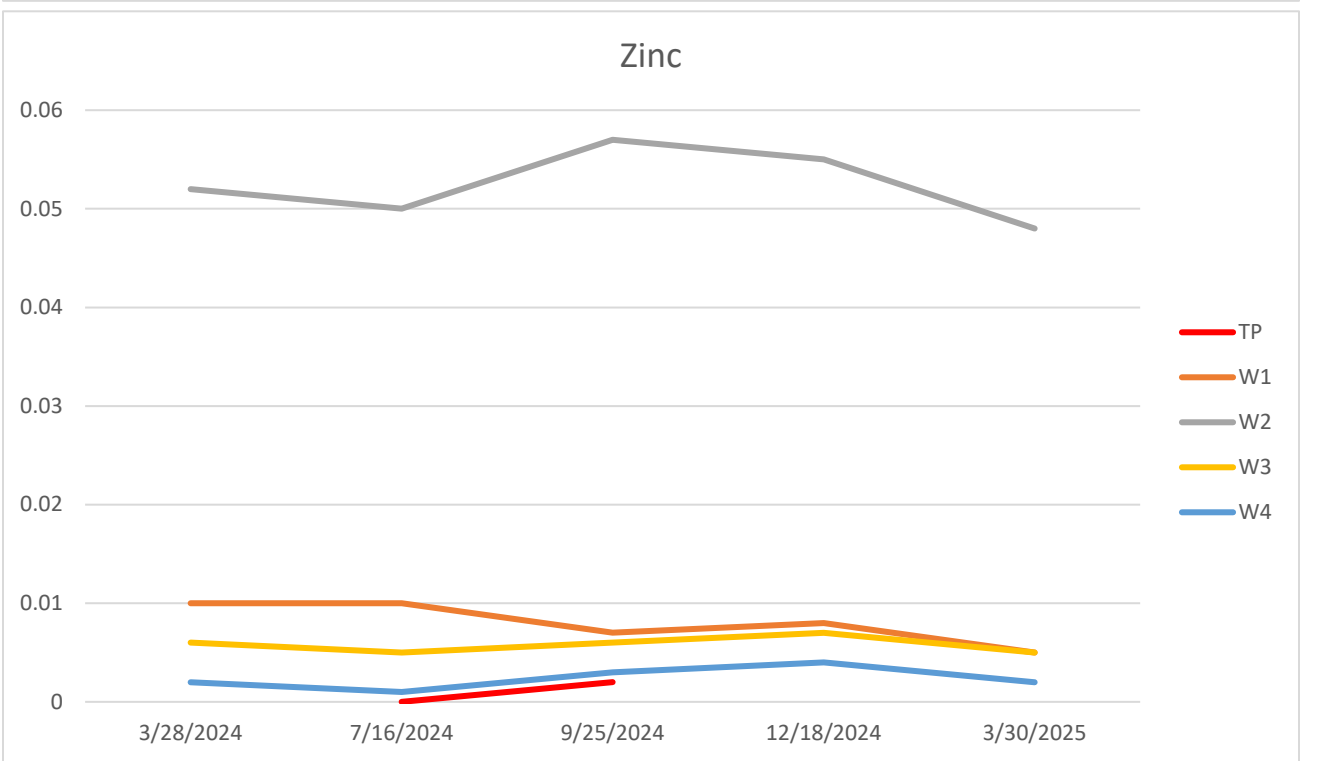
3/30/2025
TP
W1
W2
W3
W4


Zinc
0.06
0.05
0.04
0.03
0.02
0.01
0
3/28/2024
7/16/2024
9/25/2024
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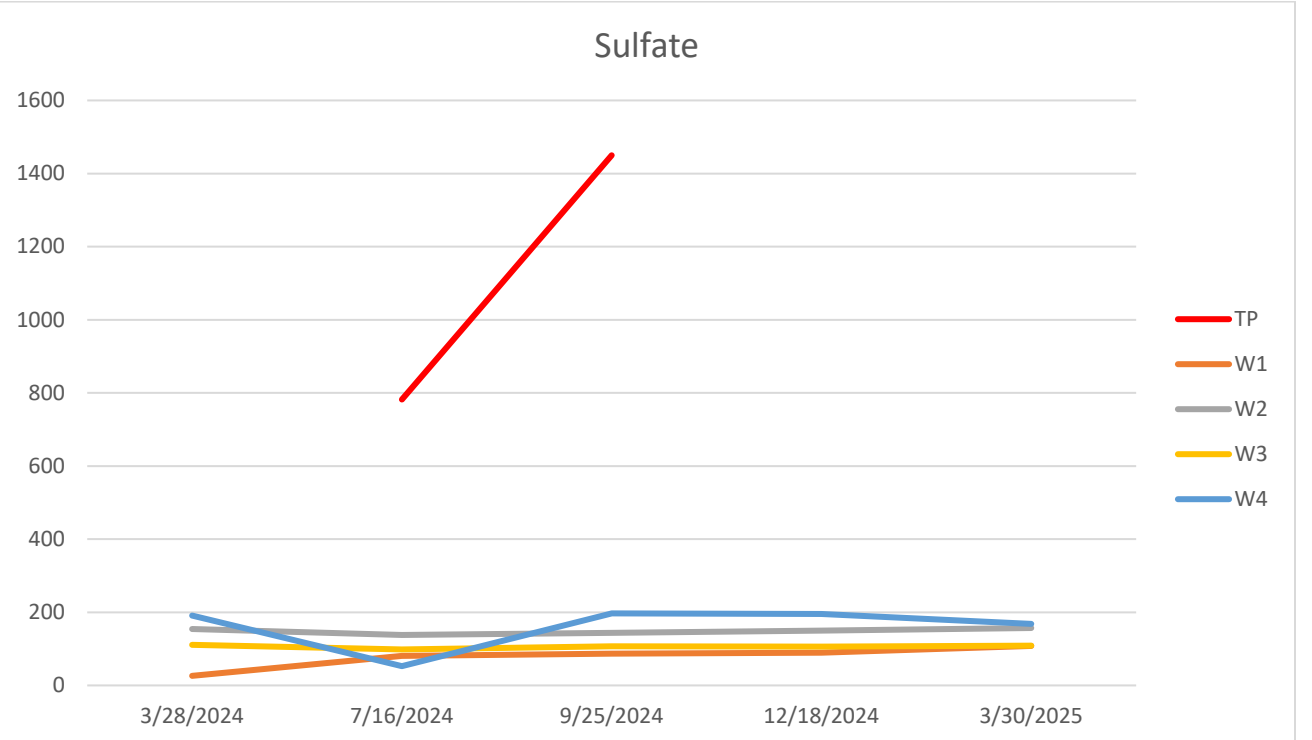
3/30/2025
TP
W1
W2
W3
W4


Sulfate
1600
1400
1200
1000
800
600
400
200
0
3/28/2024
7/16/2024
9/25/2024
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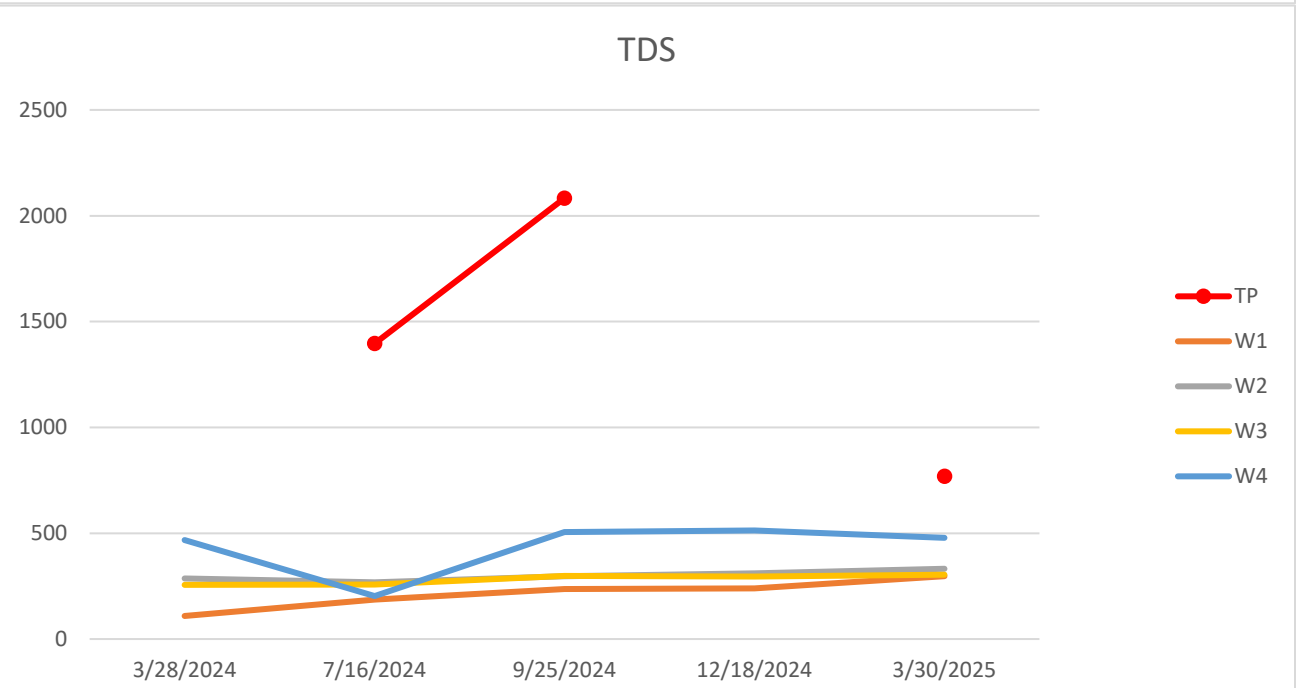
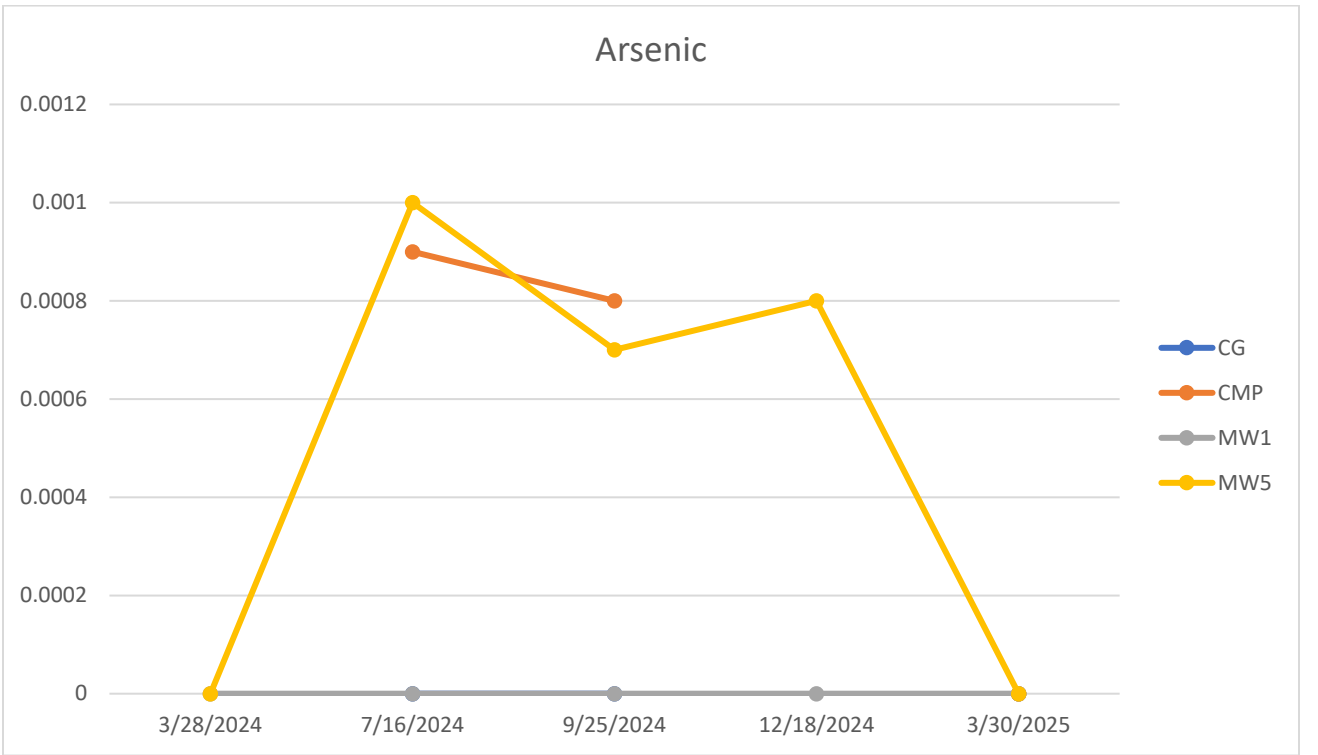
3/30/2025
TP
W1
W2
W3
W4


TDS
2500
2000
1500
1000
500
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
TP
W1
W2
W3
W4

Cash Mine Analyte Graphs for the Past Five Quarters


Arsenic
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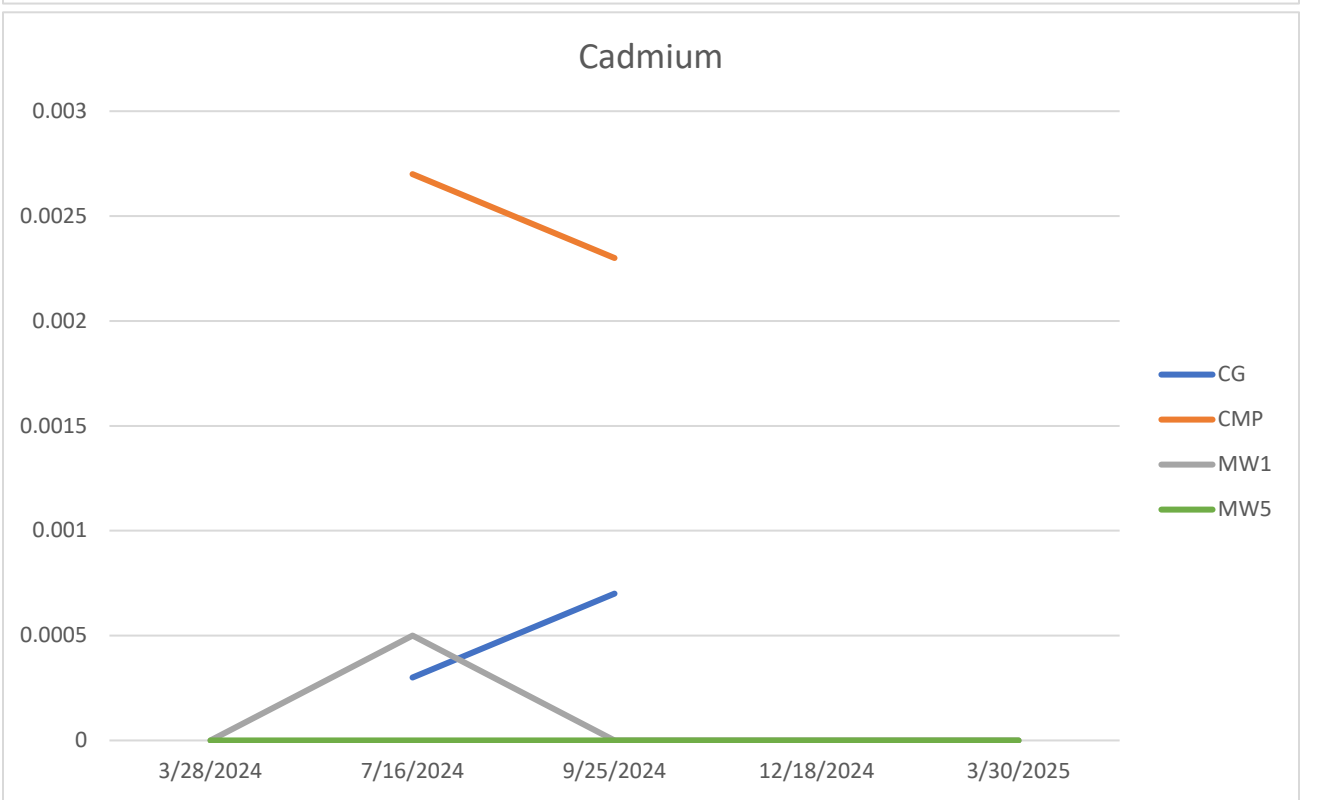
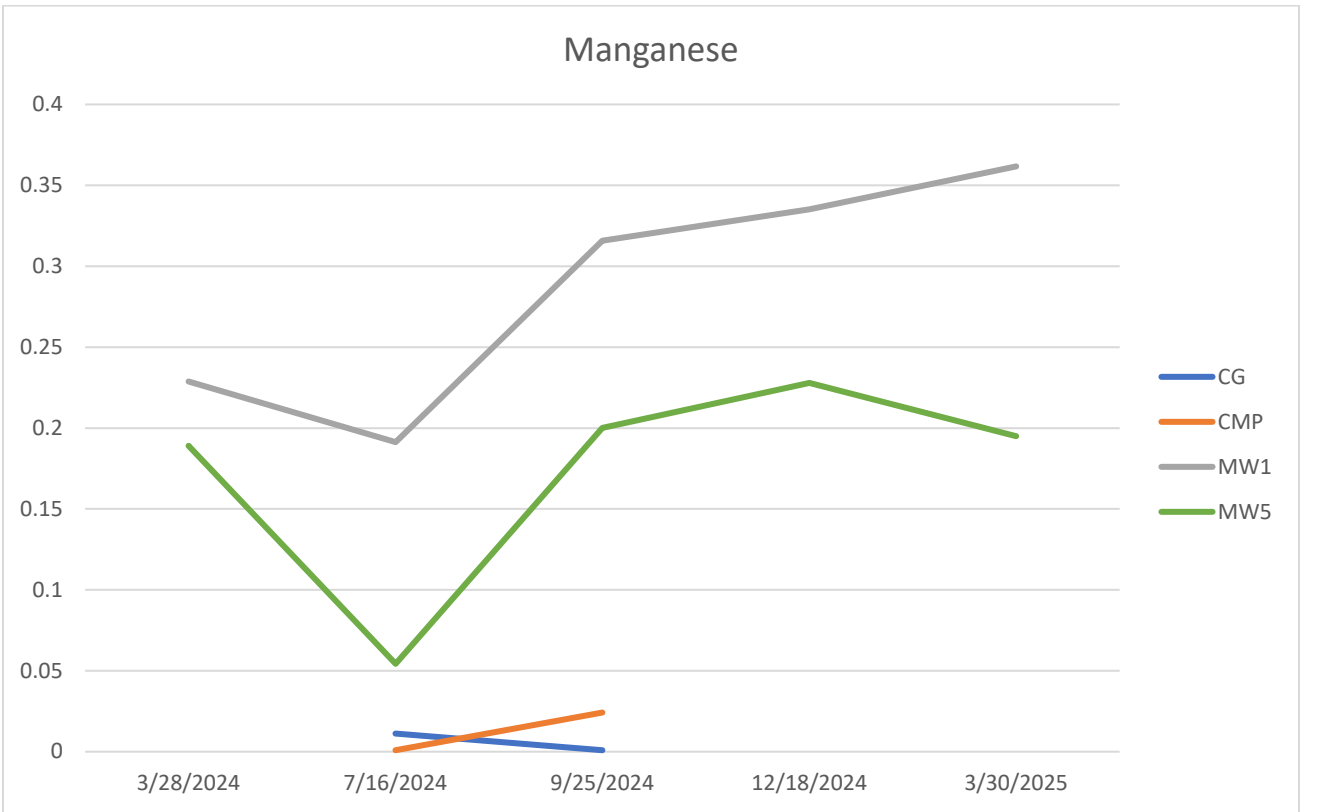
0.001
0.0008
0.0006
0.0004
0.0002
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5


Cadmium
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5


Manganese
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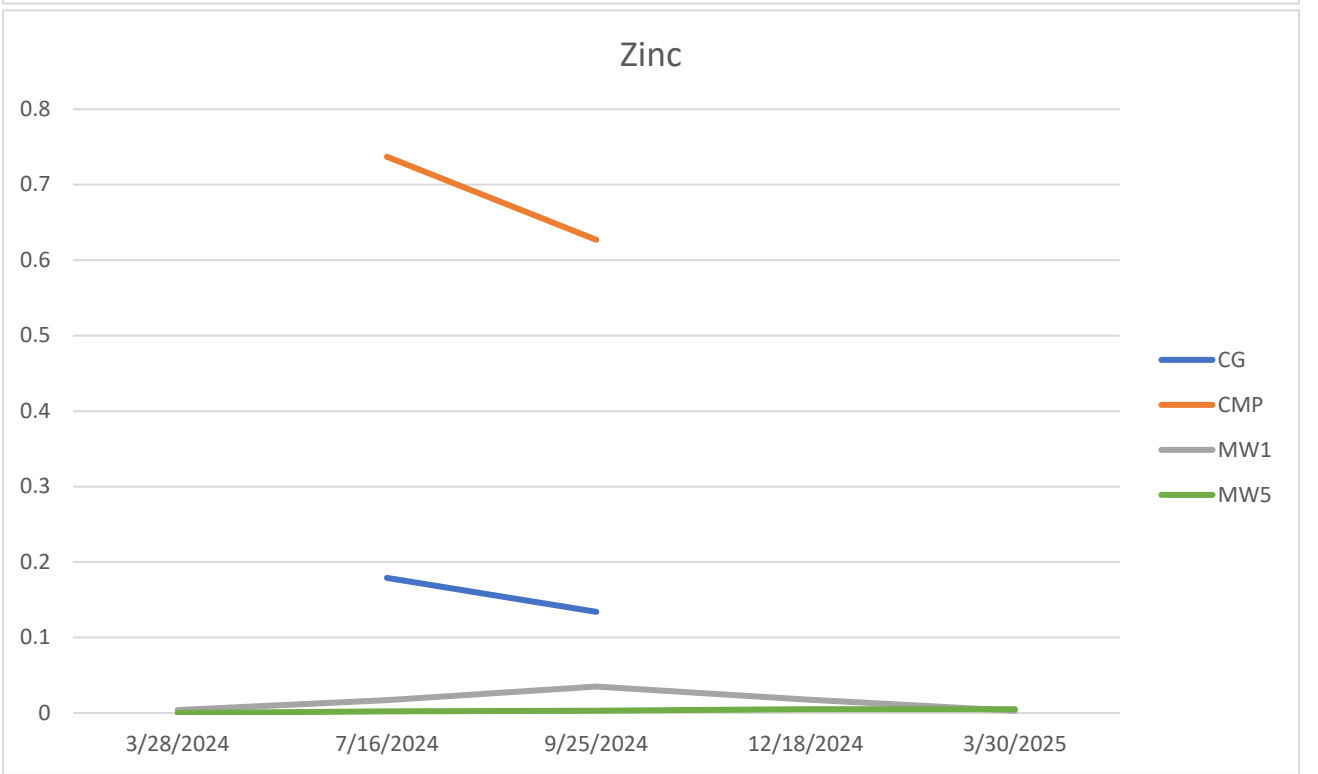
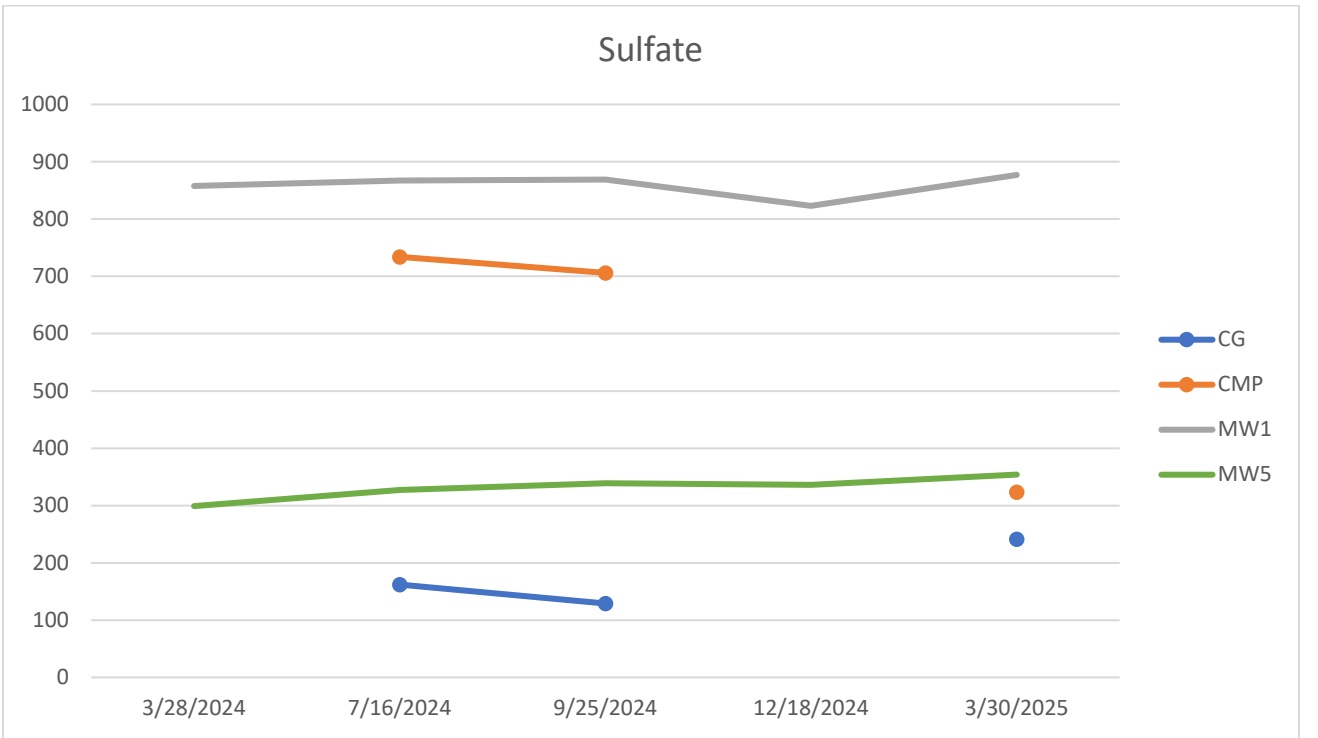
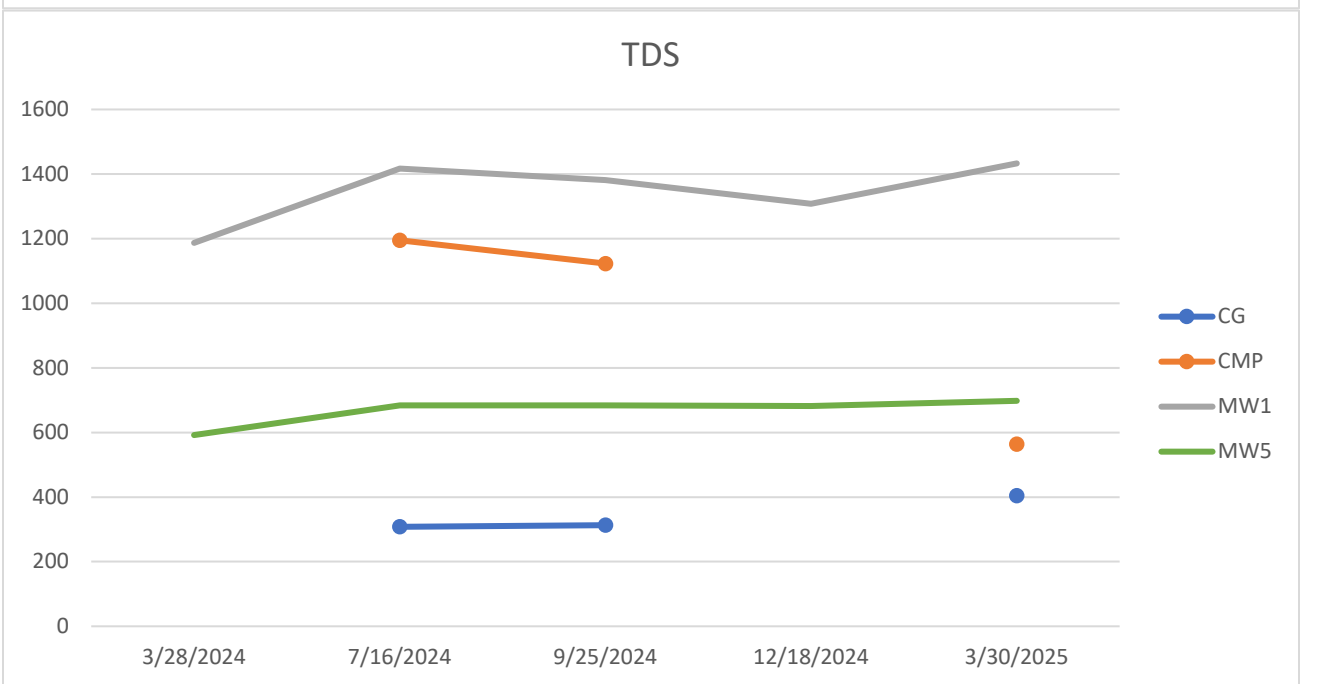
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5


Zinc
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5


Sulfate
1000
900
800
700
600
500
400
300
200
100
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5


TDS
1600
1400
1200
1000
800
600
400
200
0
3/28/2024
7/16/2024
9/25/2024
12/18/2024
3/30/2025
CG
CMP
MW1
MW5

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Left Hand Creek
Sample Date/Time: 3/30/25 5:35 PM
Lab Number: 250331067-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Total Alkalinity	**20.9 mg/L as CaCO3**	SM 2320-B	4.0	1	4/1/25	QC80720	KJP
Bicarbonate	**20.9 mg/L as CaCO3**	SM 2320-B	0.2	0.2	4/1/25	-	KJP
Carbonate	**ND mg/L as CaCO3**	SM 2320-B	0.2	0.2	4/1/25	-	KJP
Hydroxide	**ND mg/L as CaCO3**	SM 2320-B	0.2	0.2	4/1/25	-	KJP
Chloride	**18.2 mg/L**	EPA 300.0	0.10	0.007	4/1/25	QC80769	NRP
Cyanide-Total	**ND mg/L**	EPA 335.4	0.005	0.0005	4/1/25	QC80738	ACE
Cyanide-Weak Acid Dissociable	**ND mg/L**	ASTM 2036-09C	0.005	0.0005	4/1/25	QC80739	ACE
Fluoride	**ND mg/L**	EPA 300.0	0.10	0.024	4/1/25	QC80774	NRP
Nitrate Nitrogen	**0.21 mg/L**	EPA 300.0	0.05	0.02	4/1/25	QC80771	NRP
Nitrate/ Nitrite Nitrogen	**0.21 mg/L**	Calculation	0.05	0.02	4/2/25	-	NRP
Nitrite Nitrogen	**ND mg/L**	EPA 300.0	0.03	0.01	4/1/25	QC80775	NRP
Specific Conductance	**164 umhos/cm @ 25c**	EPA 120.1	5	5	3/31/25	-	JJA
Sulfate	**26.6 mg/L**	EPA 300.0	0.10	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**91 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Chromium - Hexavalent	**ND mg/L**	SM 3500-Cr B	0.02	0.01	4/3/25	QC80814	NRP
Mercury	**ND mg/L**	EPA 245.7	0.0002	0.00002	4/3/25	QC80818	JJA
Aluminum	**0.005 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA
Antimony	**ND mg/L**	EPA 200.8	0.0012	0.00012	4/2/25	QC80743	JJA
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Barium	**0.0436 mg/L**	EPA 200.8	0.0007	0.00007	4/2/25	QC80743	JJA
Beryllium	**ND mg/L**	EPA 200.8	0.0001	0.000008	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Copper	**0.0014 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

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Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Left Hand Creek
Sample Date/Time: 3/30/25 5:35 PM
Lab Number: 250331067-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Dissolved							
Lead	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.0010 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Molybdenum	**0.0006 mg/L**	EPA 200.8	0.0005	0.00005	4/2/25	QC80743	JJA
Nickel	**ND mg/L**	EPA 200.8	0.0009	0.00005	4/2/25	QC80743	JJA
Zinc	**0.009 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA
Boron	**ND mg/L**	EPA 200.7	0.05	0.01	4/2/25	QC80746	JJA
Calcium	**13.3 mg/L**	EPA 200.7	0.1	0.01	4/2/25	QC80746	JJA
Iron	**0.005 mg/L**	EPA 200.7	0.005	0.0005	4/2/25	QC80746	JJA
Magnesium	**4.51 mg/L**	EPA 200.7	0.02	0.002	4/2/25	QC80746	JJA
Total							
Chromium - Trivalent	**ND mg/L**	Calculation	0.02	0.01	4/4/25	-	MBN
Total Hardness	**52.7 mg/L as CaCO3**	SM 2340-B	0.1	0.01	4/2/25	-	JJA
Mercury	**ND mg/L**	EPA 245.7	0.0002	0.00002	4/3/25	QC80818	JJA
Aluminum	**0.015 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Chromium	**ND mg/L**	EPA 200.8	0.0015	0.00015	4/2/25	QC80743	JJA
Copper	**0.0014 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Lead	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.0023 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Molybdenum	**0.0006 mg/L**	EPA 200.8	0.0005	0.00005	4/2/25	QC80743	JJA
Calcium	**13.6 mg/L**	EPA 200.7	0.1	0.01	4/2/25	QC80746	JJA
Iron	**0.014 mg/L**	EPA 200.7	0.005	0.0005	4/2/25	QC80746	JJA
Magnesium	**4.58 mg/L**	EPA 200.7	0.02	0.002	4/2/25	QC80746	JJA

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(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

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Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Left Hand Creek
Sample Date/Time: 3/30/25 5:35 PM
Lab Number: 250331067-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By

Ammonium Sulfate buffer solution added upon arrival to laboratory to extend Hex-Cr hold time to 28 days.

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Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Tailings Pond
Sample Date/Time: 3/30/25 5:10 PM
Lab Number: 250331067-02

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**437 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**769 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**0.0070 mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**0.0001 mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**7.92 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.017 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

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Date Analyzed = Date Test Completed

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Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID MW-1
Sample Date/Time: 3/30/25 12:10 PM
Lab Number: 250331067-03

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**877 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**1433 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.3617 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.003 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

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Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID W-1
Sample Date/Time: 3/30/25 1:05 PM
Lab Number: 250331067-04

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**108 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**297 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.0009 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.005 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
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mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID W-2
Sample Date/Time: 3/30/25 1:25 PM
Lab Number: 250331067-05

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**157 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**332 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**0.0002 mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**ND mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.048 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

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ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID W-3
Sample Date/Time: 3/30/25 1:40 PM
Lab Number: 250331067-06

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**109 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**304 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**ND mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.005 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

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mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID W-4
Sample Date/Time: 3/30/25 2:05 PM
Lab Number: 250331067-07

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**168 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**478 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.2485 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.002 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

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mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID MW-5
Sample Date/Time: 3/30/25 2:25 PM
Lab Number: 250331067-08

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**354 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**698 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**ND mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.1949 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.005 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

Abbreviations/ References:

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ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Cash Mine Pond
Sample Date/Time: 3/30/25 2:40 PM
Lab Number: 250331067-09

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**323 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**564 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**0.0014 mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.0109 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.425 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

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ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Ben Langenfeld
Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 250331067
Client PO:
Client Project: Gold Hill

Date Received: 3/31/25
Date Reported: 4/4/25
Matrix: Water

Customer Sample ID Cash Gulch
Sample Date/Time: 3/30/25 3:20 PM
Lab Number: 250331067-10

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	**241 mg/L**	EPA 300.0	1.00	0.012	4/1/25	QC80773	NRP
Total Dissolved Solids	**405 mg/L**	SM 2540-C	5	2	4/2/25	QC80742	ISG
Dissolved							
Arsenic	**ND mg/L**	EPA 200.8	0.0006	0.00006	4/2/25	QC80743	JJA
Cadmium	**0.0009 mg/L**	EPA 200.8	0.0001	0.000006	4/2/25	QC80743	JJA
Manganese	**0.0151 mg/L**	EPA 200.8	0.0008	0.00001	4/2/25	QC80743	JJA
Zinc	**0.235 mg/L**	EPA 200.8	0.001	0.00003	4/2/25	QC80743	JJA

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Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
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Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 250331067

Report To: Ben Langenfeld
Company: Colorado Milling CO

Receive Date: 3/31/25
Project Name: Gold Hill

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC80720	Blank	ND	SM 2320-B	4/1/25
Chloride	QC80769	Blank	ND	EPA 300.0	4/1/25
Chromium - Hexavalent	QC80814	Blank	ND	SM 3500-Cr B	4/3/25
Cyanide-Total	QC80738	Blank	ND	EPA 335.4	4/1/25
Cyanide-Weak Acid Dissociable	QC80739	Blank	ND	ASTM 2036-09C	4/1/25
Fluoride	QC80774	Blank	ND	EPA 300.0	4/1/25
Mercury	QC80818	Method Blank	ND	EPA 245.7	4/3/25
Aluminum	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Antimony	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Arsenic	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Barium	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Beryllium	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Cadmium	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Chromium	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Copper	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Lead	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Manganese	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Molybdenum	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Nickel	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Zinc	QC80743	Method Blank	ND	EPA 200.8	3/31/25
Boron	QC80746	Method Blank	ND	EPA 200.7	3/31/25
Calcium	QC80746	Method Blank	ND	EPA 200.7	3/31/25
Iron	QC80746	Method Blank	ND	EPA 200.7	3/31/25
Magnesium	QC80746	Method Blank	ND	EPA 200.7	3/31/25
Nitrate Nitrogen	QC80771	Blank	ND	EPA 300.0	4/1/25
Nitrite Nitrogen	QC80775	Blank	ND	EPA 300.0	4/1/25
Sulfate	QC80773	Blank	ND	EPA 300.0	4/1/25
Total Dissolved Solids	QC80742	Blank	ND	SM 2540-C	4/1/25

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC80720	Duplicate -250327005-02	0 - 20	-	3.7	SM 2320-B
		LCS	90 - 110	104.0	-	
		LCS-2	90 - 110	109.0	-	
Chloride	QC80769	Duplicate -250331064-01	0 - 20	-	3.1	EPA 300.0
		LCS	90 - 110	103.4	-	
		MS -250331064-01	80 - 120	99.0	-	
Chromium - Hexavalent	QC80814	Duplicate -250331079-01	0 - 20	-	0.0	SM 3500-Cr B
		LCS	90 - 110	98.1	-	
Cyanide-Total	QC80738	Duplicate -250327100-07	0 - 20	-	0.0	EPA 335.4
		LCS	90 - 110	104.6	-	
		MS -250325086-01D	90 - 110	91.5	-	

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Date Analyzed = Date Test Completed

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Cyanide-Weak Acid Dissociable	QC80739	Duplicate -250327096-01	0 - 20	-	0.0	ASTM 2036-09C
		LCS	90 - 110	100.9	-	
		MS -250326007-02	90 - 110	91.5	-	
Fluoride	QC80774	Duplicate -250331067-01	0 - 20	-	1.8	EPA 300.0
		LCS	90 - 110	97.4	-	
		MS -250331067-01	80 - 120	89.9	-	
Mercury	QC80818	Duplicate -250328006-01	0 - 20	-	0.0	EPA 245.7
		LCS	90 - 110	92.4	-	
		MS -250328006-01E	80 - 120	116.0	-	
Aluminum	QC80743	LCS	90 - 110	92.6	-	EPA 200.8
		MS -250331007-05	70 - 130	118.1	-	
		MSD -250331007-05	0 - 10	-	1.1	
Antimony	QC80743	LCS	90 - 110	95.7	-	EPA 200.8
		MS -250331007-05	70 - 130	100.6	-	
		MSD -250331007-05	0 - 10	-	2.3	
Arsenic	QC80743	LCS	90 - 110	97.5	-	EPA 200.8
		MS -250331007-05	70 - 130	107.7	-	
		MSD -250331007-05	0 - 10	-	2.0	
Barium	QC80743	LCS	90 - 110	96.8	-	EPA 200.8
		MS -250331007-05	70 - 130	110.8	-	
		MSD -250331007-05	0 - 10	-	0.2	
Beryllium	QC80743	LCS	90 - 110	99.9	-	EPA 200.8
		MS -250331007-05	70 - 130	98.5	-	
		MSD -250331007-05	0 - 10	-	0.5	
Cadmium	QC80743	LCS	90 - 110	91.9	-	EPA 200.8
		MS -250331007-05	70 - 130	97.1	-	
		MSD -250331007-05	0 - 10	-	4.7	
Chromium	QC80743	LCS	90 - 110	101.5	-	EPA 200.8
		MS -250331007-05	70 - 130	100.6	-	
		MSD -250331007-05	0 - 10	-	1.2	
Copper	QC80743	LCS	90 - 110	100.8	-	EPA 200.8
		MS -250331007-05	70 - 130	101.7	-	
		MSD -250331007-05	0 - 10	-	0.3	
Lead	QC80743	LCS	90 - 110	101.8	-	EPA 200.8
		MS -250331007-05	70 - 130	101.5	-	
		MSD -250331007-05	0 - 10	-	1.9	
Manganese	QC80743	LCS	90 - 110	101.4	-	EPA 200.8
		MS -250331007-05	70 - 130	107.9	-	
		MSD -250331007-05	0 - 10	-	0.9	
Molybdenum	QC80743	LCS	90 - 110	97.7	-	EPA 200.8
		MS -250331007-05	70 - 130	110.0	-	
		MSD -250331007-05	0 - 10	-	0.4	
Nickel	QC80743	LCS	90 - 110	97.8	-	EPA 200.8
		MS -250331007-05	70 - 130	96.7	-	
		MSD -250331007-05	0 - 10	-	0.9	
Zinc	QC80743	LCS	90 - 110	96.3	-	EPA 200.8
		MS -250331007-05	70 - 130	99.3	-	
		MSD -250331007-05	0 - 10	-	1.0	
Boron	QC80746	Duplicate -250331007-05	0 - 20	-	7.6	EPA 200.7
		LCS	90 - 110	107.5	-	
		MS -250331021-01C	75 - 125	87.4	-	

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Date Analyzed = Date Test Completed

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Calcium	QC80746	Duplicate -250331007-05	0 - 20	-	1.9	EPA 200.7
		LCS	90 - 110	102.3	-	
		MS -250331021-01C	75 - 125	91.5	-	
Iron	QC80746	Duplicate -250331007-05	0 - 20	-	0.0	EPA 200.7
		LCS	90 - 110	107.8	-	
		MS -250331021-01C	75 - 125	86.5	-	
Magnesium	QC80746	Duplicate -250331007-05	0 - 20	-	0.3	EPA 200.7
		LCS	90 - 110	104.3	-	
		MS -250331021-01C	75 - 125	97.0	-	
Nitrate Nitrogen	QC80771	Duplicate -250331064-01	0 - 20	-	2.7	EPA 300.0
		LCS	90 - 110	97.8	-	
		MS -250331064-01	80 - 120	109.9	-	
Nitrite Nitrogen	QC80775	Duplicate -250331067-01	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	93.7	-	
		MS -250331067-01	80 - 120	85.9	-	
Sulfate	QC80773	Duplicate -250331064-01	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	100.3	-	
		MS -250331064-01	80 - 120	86.3	-	
Total Dissolved Solids	QC80742	Duplicate -250331067-03	0 - 10	-	3.4	SM 2540-C
		LCS	85 - 115	97.2	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Chain of Custody Form

Colorado Analytical Laboratories, Inc

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
610 Garrison Street, Unit E
Lakewood CO 80215

Phone: 303-659-2313

www.coloradolab.com

Report To Information	Bill To Information (If different from report to)	Project Name / Number
Company Name: Colorado Milling Co.	Company Name: Colorado Milling Co	*
Contact Name: Ben Langenfeld	Contact Name: Jon McKay	
Address: Lewicki & associates	Address: 50 west 100 South	Task Number (Lab Use Only)
City State Zip	City Moab State UTAH Zip 84532	
Phone: 303-960-5613	Phone: 435-355-0300	CAL Task 250331067
Email: Ben1@lewicki813	Email:	
Sample Collector: Lewis Perkins		CJF
Sample Collector Phone: 303-447-8705	PO No.:	

Sample Matrix (Select One Only)

Waste Water ☐ Soil ☐ Drinking Water ☐
Ground Water ☐ Sludge ☐
Surface Water ☐

Tests Requested

* Tests per history. CF 3/31/25

* Project per history. CF 3/31/25

Date	Time	Sample ID	No. of Containers	Grab or Composite	As	Cd	Mn	Zn	Residual Cl2	Sulfate	
3/30/25	5:35 pm	left Hand creek - NO HNO_3 container	2	G	X	X	X	X	X	X	
"	5:10 pm	tailings Pond received, will aliquot	2	G	X	X	X	X	X	X	
"	12:10 pm	MW-1 in lab. CF 3/31/25	2	G	X	X	X	X	X	X	
"	1:05 pm	W-1	2	G	X	X	X	X	X	X	
"	1:25 pm	W-2	2	G	X	X	X	X	X	X	
"	1:40 pm	W-3	2	G	X	X	X	X	X	X	
"	2:05 pm	W-4 (21)	2	G	X	X	X	X	X	X	
"	2:25 pm	MW-5	2	G	X	X	X	X	X	X	
"	2:40 pm	Cash mine Pond	2	G	X	X	X	X	X	X	
"	3:20 pm	Cash Gulch	2	G	X	X	X	X	X	X	

Ammonium Sulfate buffer solution added upon arrival to laboratory to extend Hex-Cr hold time to 28 days.

Initials: C.F. Date: 3/31/25

Instructions: Cyanide is marked off list, disregard and test for Cyanide per Lewis-AF 3/31/25 ~~*Ben expired Chrometer out of hold for Ben-AF 3/31/25~~ Cr-Hex not expired. CF 3/31/25

C/S Info:

Deliver Via: HAND C/S Charge ☐

Seals Present Yes ☐ No ☐

Temp. 1 °C/Ice Y Sample Pres. Yes ☐ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
Lewis Perkins	3/31/25						3/31/25 1335

Aluminum, dissolved
Aluminum, total
Antimony, dissolved
Arsenic, dissolved
Arsenic, total
Barium, dissolved
Beryllium, dissolved
Bicarbonate as CaCO3
Boron, dissolved
Cadmium, dissolved
Cadmium, total
Calcium, dissolved
Carbonate as CaCO3
Cation-Anion Balance
Chloride
Chromium, total
Chromium, Trivalent Total
Conductivity @25C
Copper, dissolved
Copper, total
~~Cyanide, total~~
~~Cyanide, WAD~~
Dissolved Chromium, Hexavalent
Field Conductivity @25C
Field Dissolved Oxygen
Field pH
Field Temperature
Field Turbidity
Fluoride
Hardness as CaCO3 (dissolved)
Hydroxide as CaCO3
Iron, dissolved
Iron, total
Lead, dissolved
Lead, total
Magnesium, dissolved
Manganese, dissolved
Manganese, total
Mercury, dissolved
Mercury, total
Molybdenum, dissolved
Molybdenum, total
Nickel, dissolved
Nitrate/Nitrite as N

CAL Task
250331067
CJF

For left hand creek only + reading