

November 6, 2024

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

Delivered Via Email

Gold Hill Mill, Permit No. M-1994-117
Cash Mine, Permit No. M-1983-141

To Whom It May Concern

The third quarter, 2024 ("Q3/24") water sampling was conducted by Lewis Perkins, Colorado Milling Company, on September 25, 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.

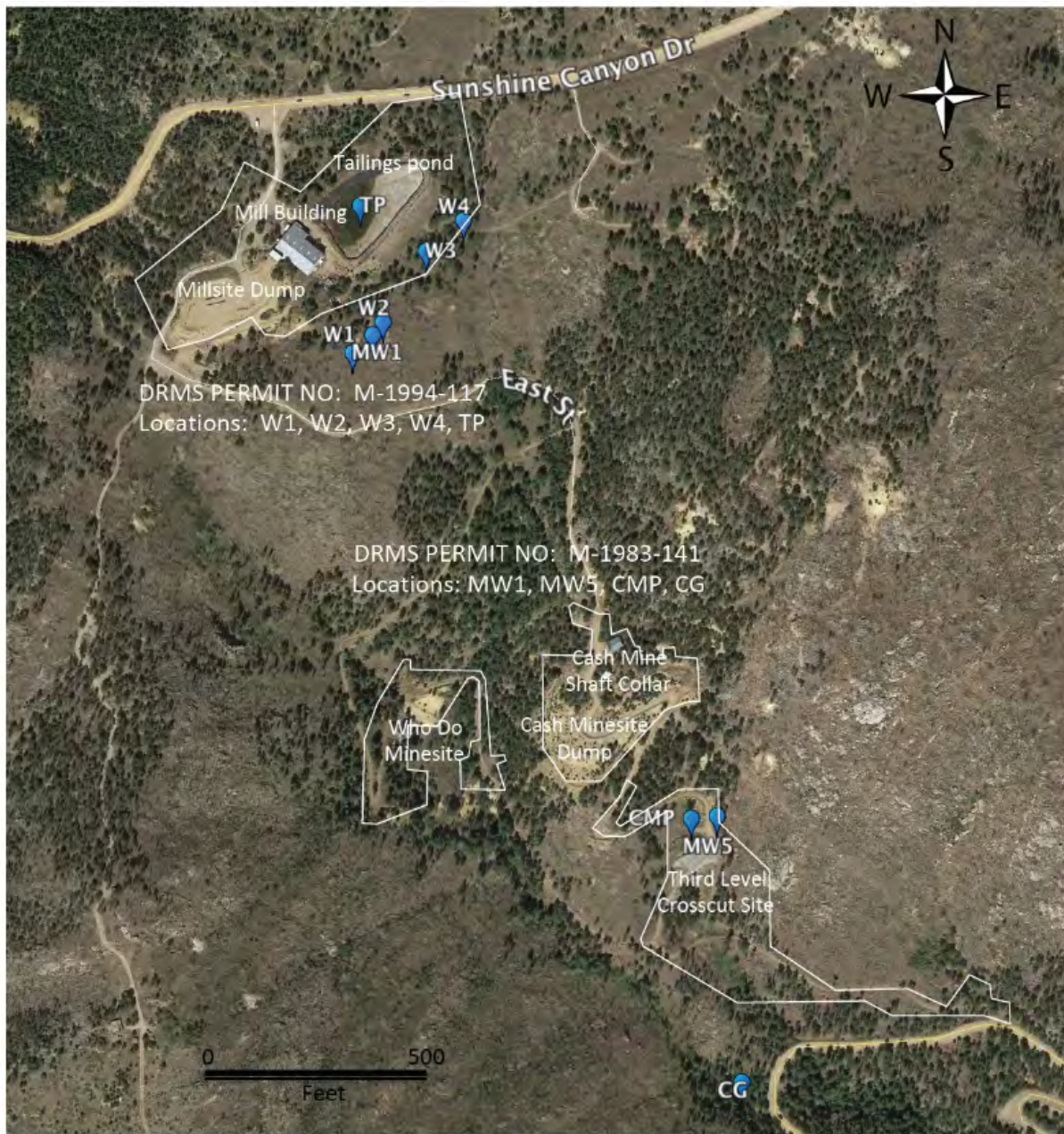
Note that zero values in the graphs represent "non-detect" results.

Please contact me with any questions.

Regards,



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

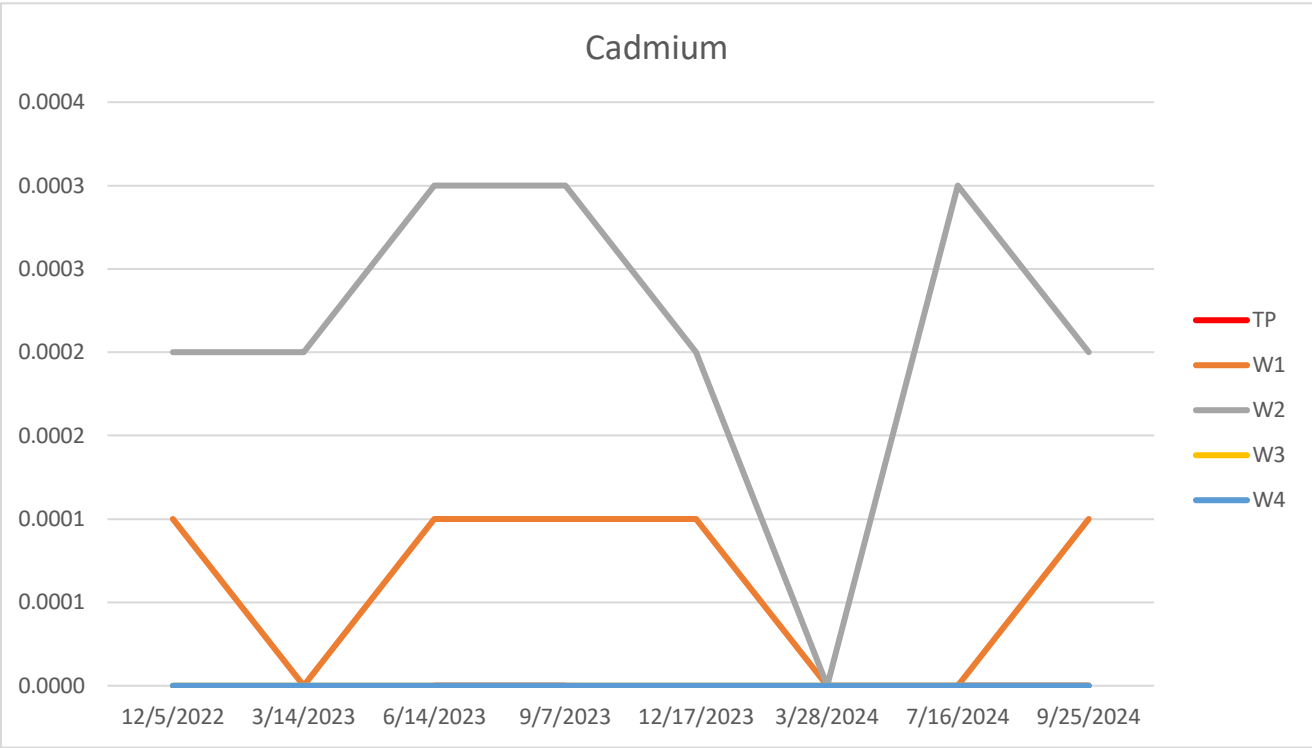
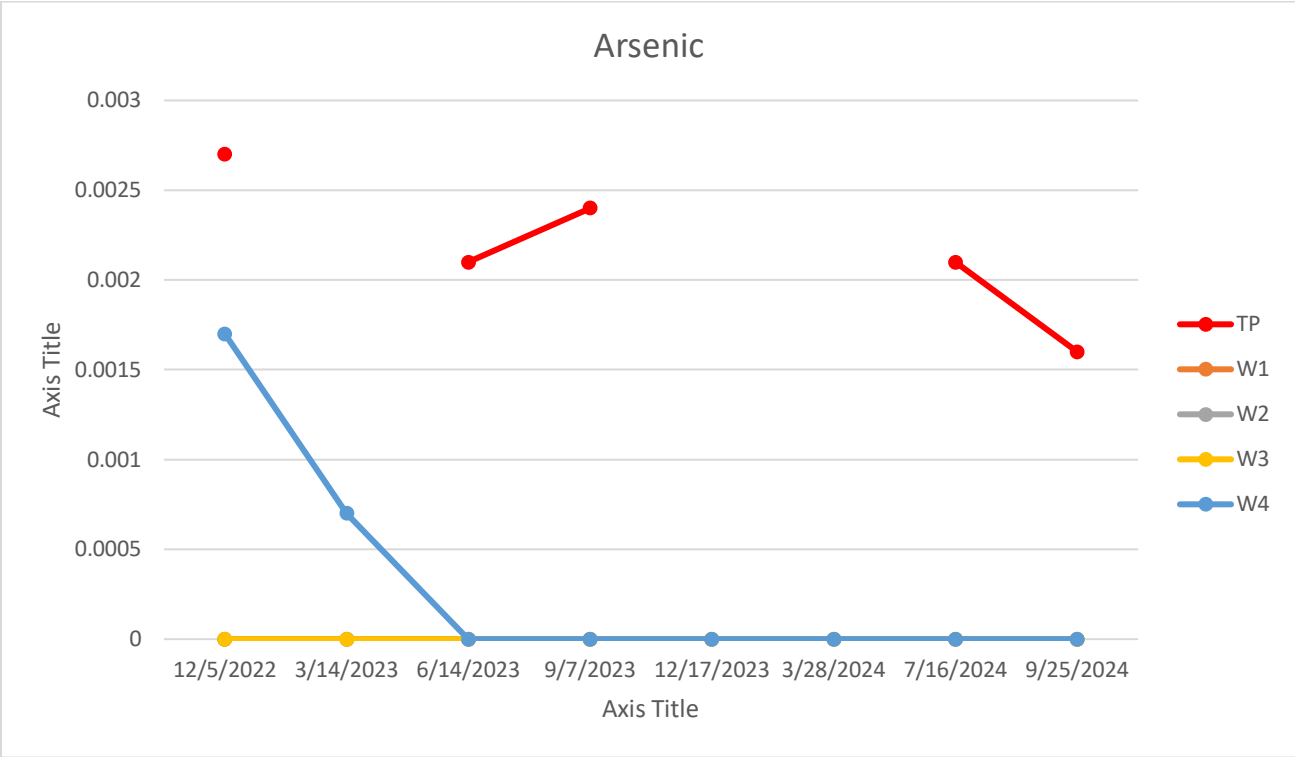


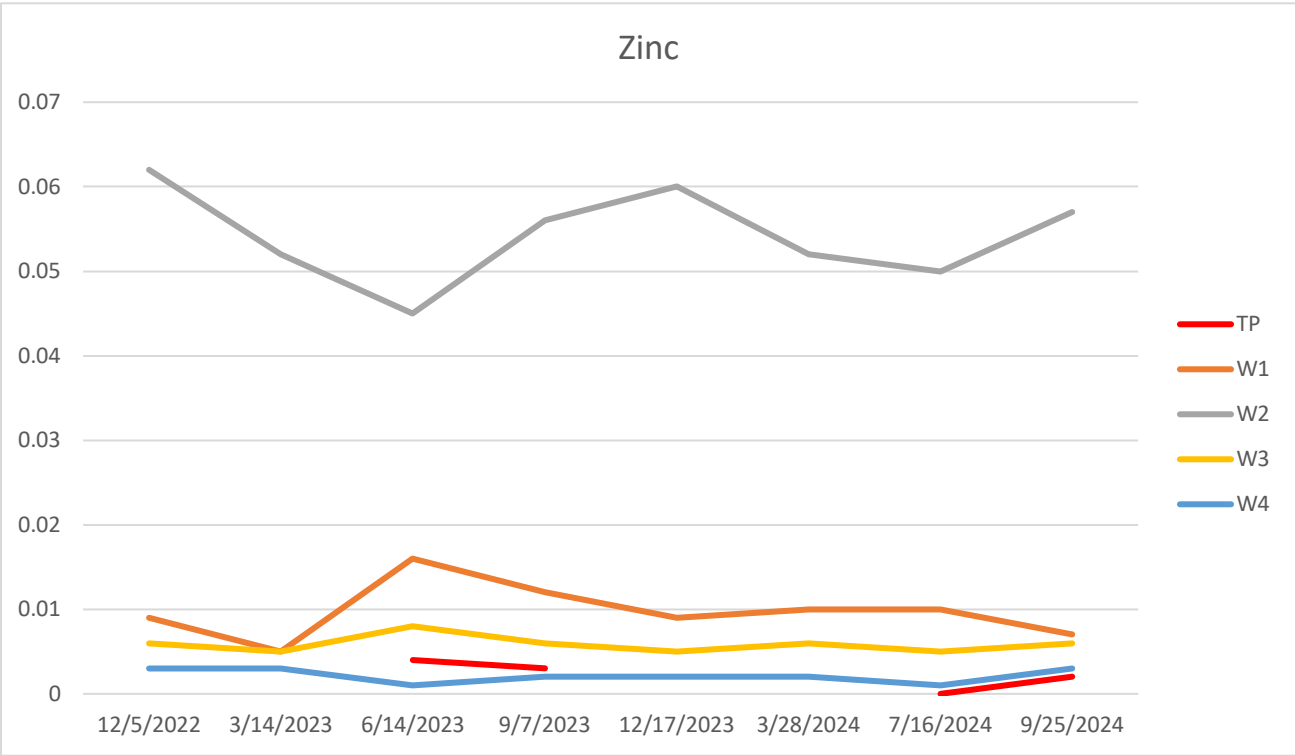
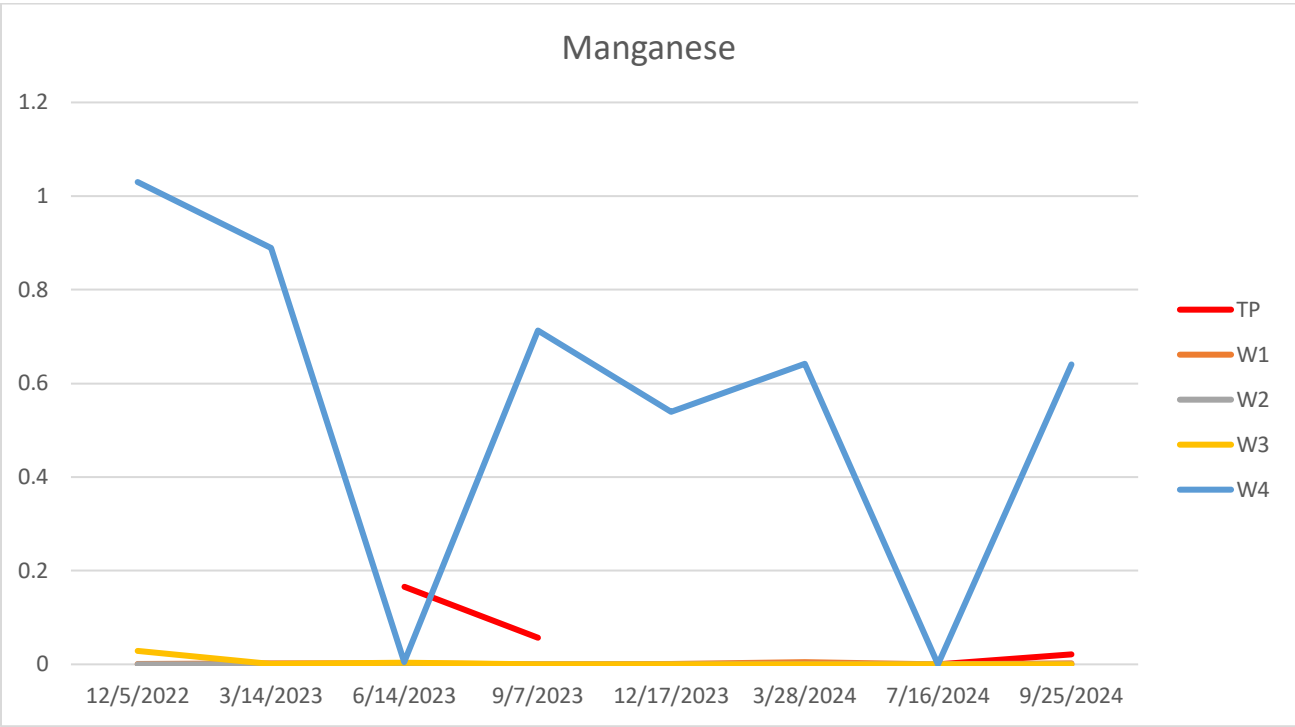
Map showing locations of water monitoring stations for permits M-1994-117 & M-1983-141

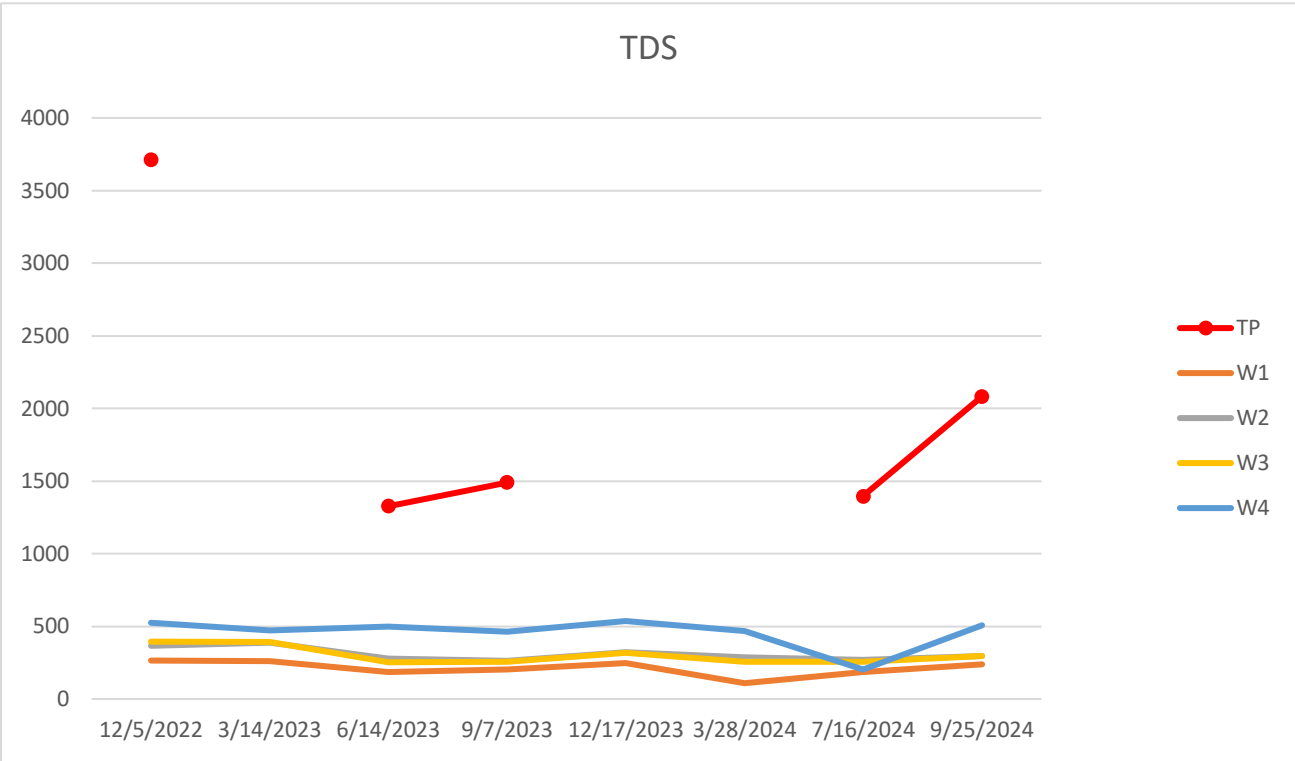
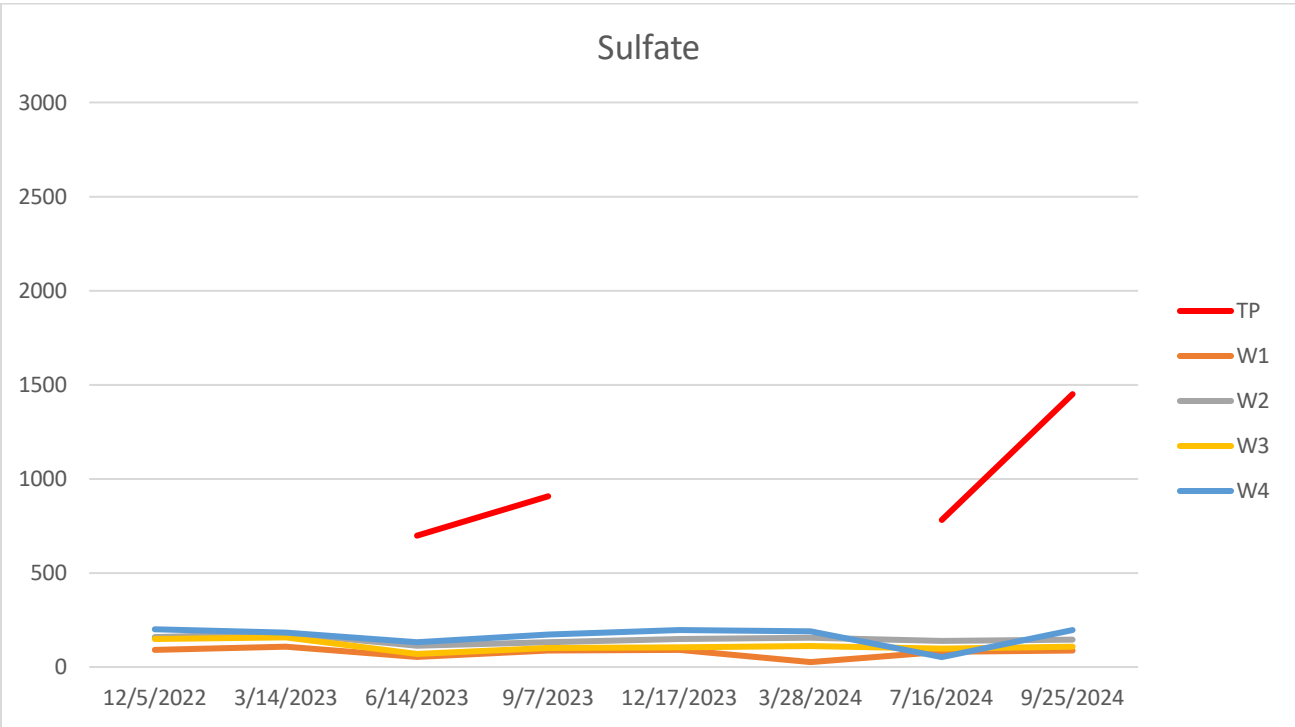
Locations		Well Measurements					Water Analyses (ppm/mg/L)							
Locations ID	Date	Time	Depth	pH	Temp (C)	Conductivity (uS/cm)	Sample ID	Date	As	Cd	Mn	Zn	Residue	Sulfate
Gold Hill Mill M-1994-117														
W-1	09/25/24	13:20	38.5	7.78	13.1	360	241002045	09/26/24	0	0.0001	0.0015	0.007	237	87
W-2	09/25/24	13:40	47.4	7.49	11.8	470	241002045	09/26/24	0	0.0002	0	0.057	297	144
W-3	09/25/24	14:00	27.5	7.35	11.2	481	241002045	09/26/24	0	0	0	0.006	298	107
W-4	09/25/24	14:28	31.25	7.4	11.1	799	241002045	09/26/24	0	0	0.6407	0.003	506	197
TP	09/25/24	12:05	0	7.84	15.7	2.49	241002045	09/26/24	0.0016	0	0.0216	0.002	2083	1450
Cash Mine M-1983-141														
MW-1	09/25/24	12:28	55.8	7.53	14.6	1524	241002045	09/26/24	0	0	0.3158	0.035	1381	869
MW-5	09/25/24	15:18	10.8	7.45	18.4	897	241002045	09/26/24	0.0007	0	0.2002	0.003	684	339
CG	09/25/24	16:25	0	7.64	13.6	423	241002045	09/26/24	0	0.0007	0.0009	0.134	313	129
CMP	09/25/24	15:35	0	8.04	19.9	1286	241002045	09/26/24	0.0008	0.0023	0.0242	0.627	1123	706

Analytes from lab analysis are dissolved.

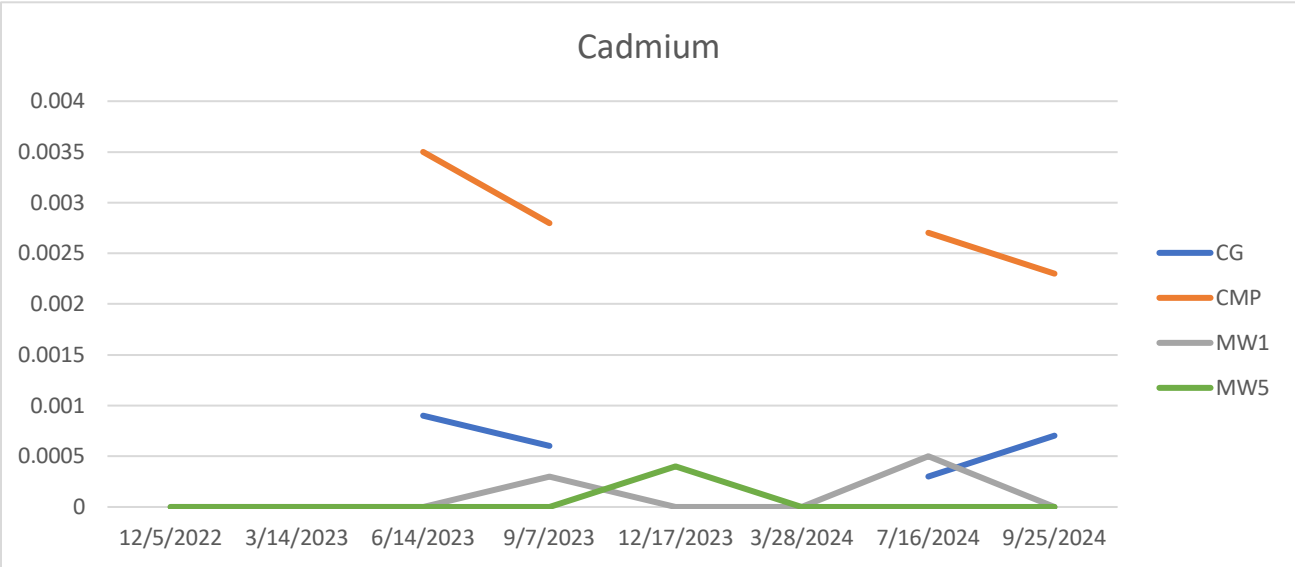
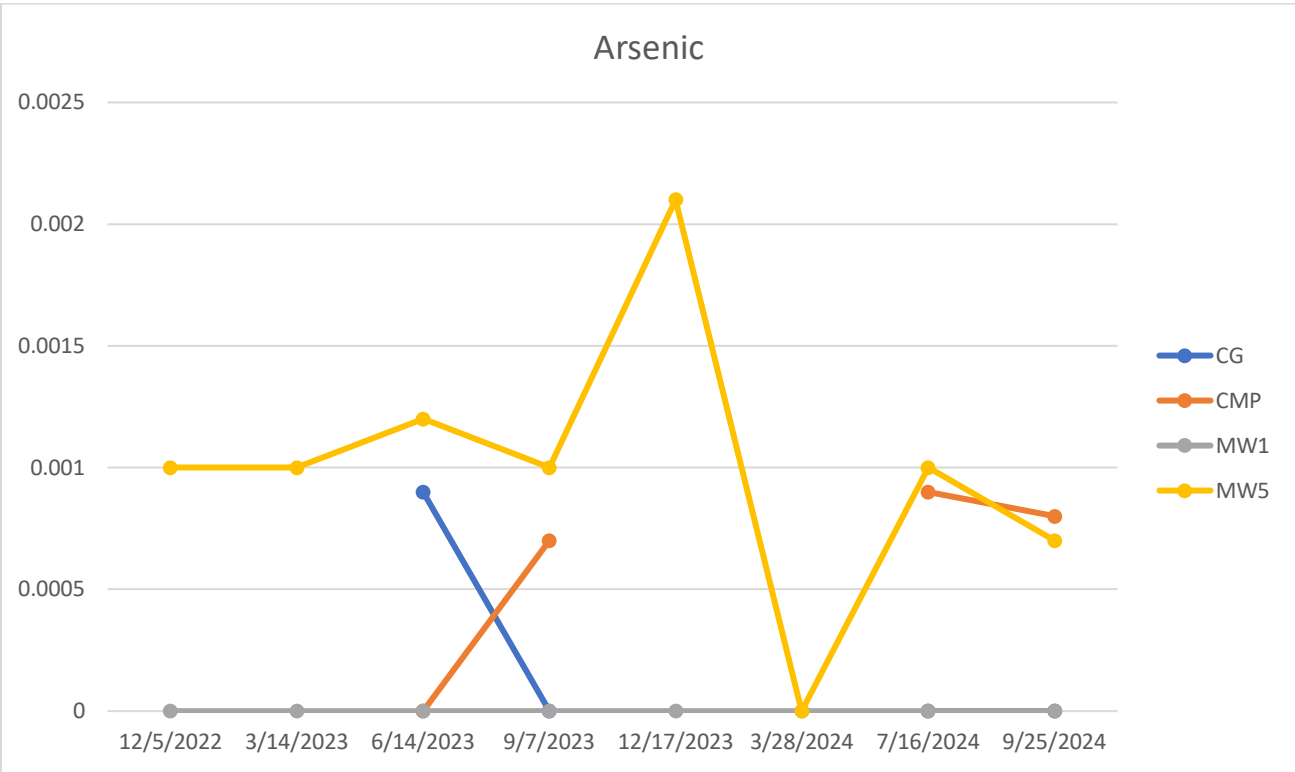
Gold Hill Mill Analyte Graphs for the Past Five Quarters

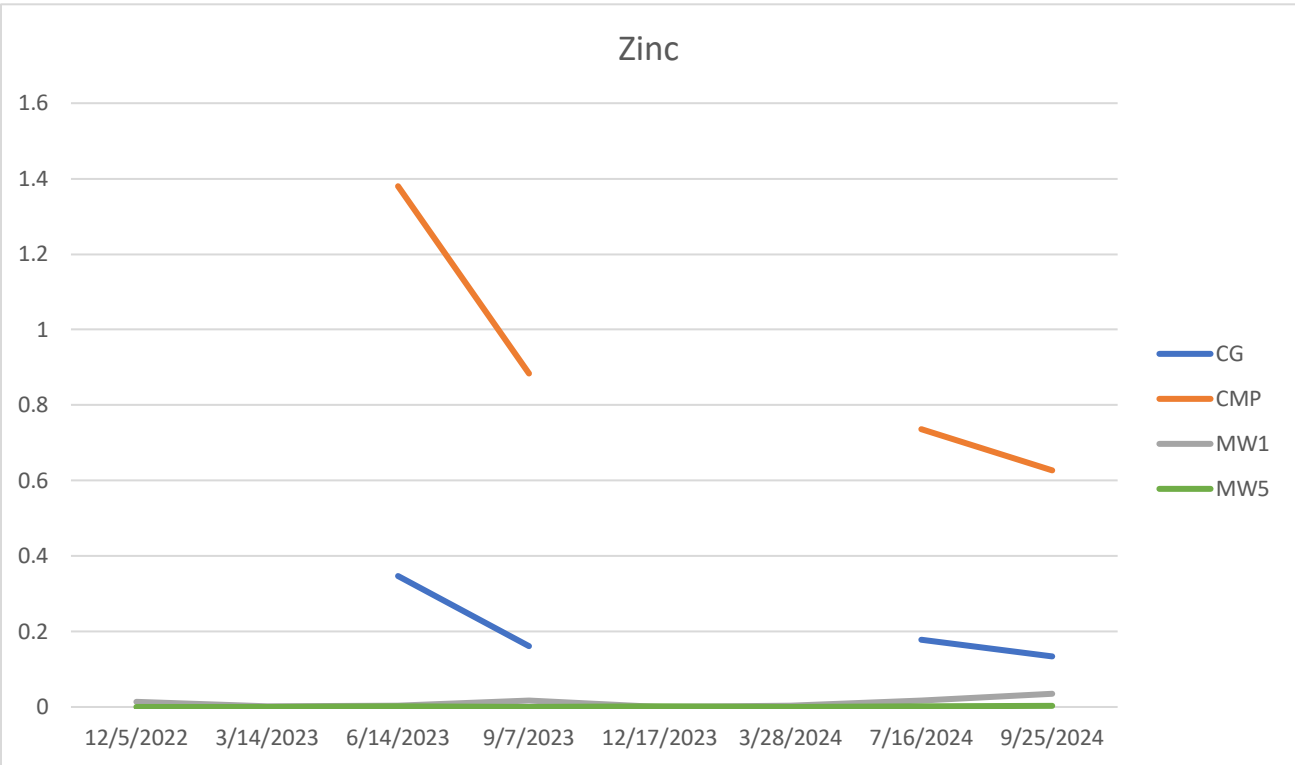
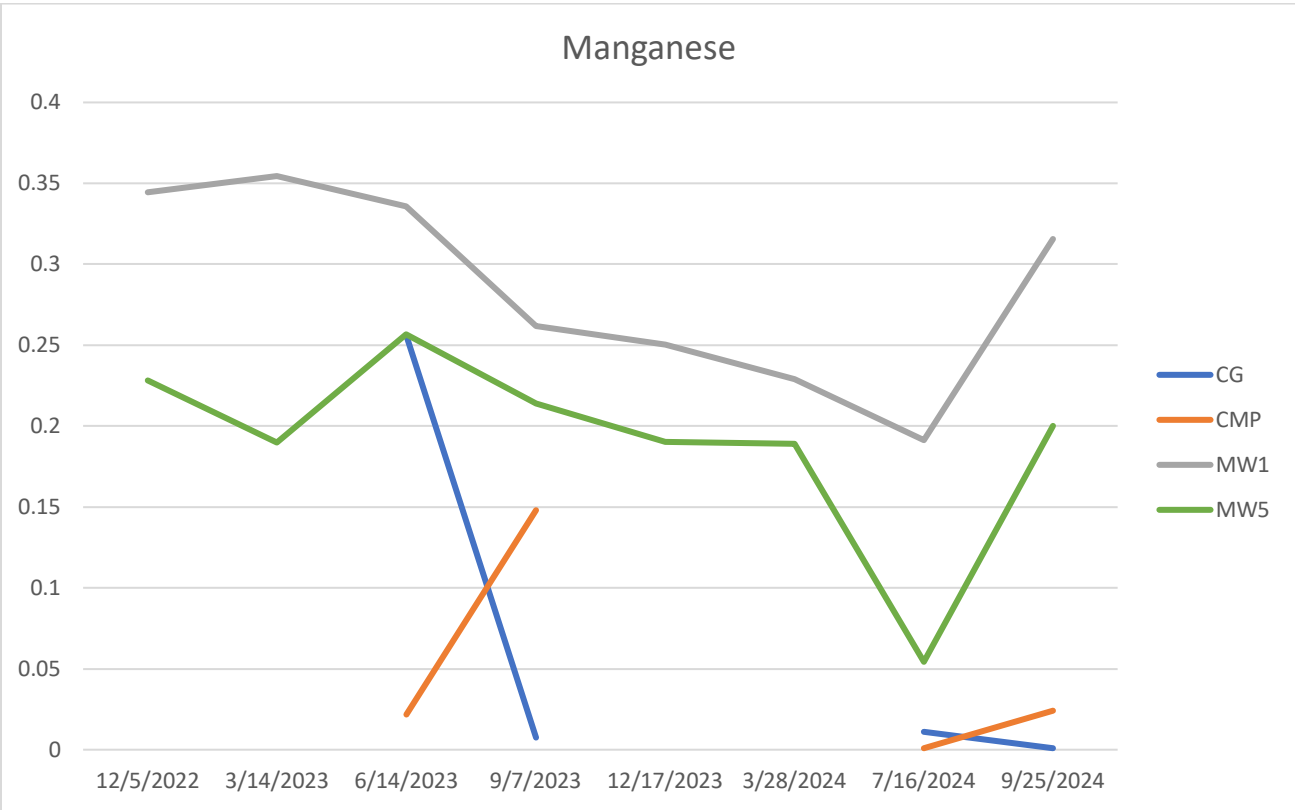


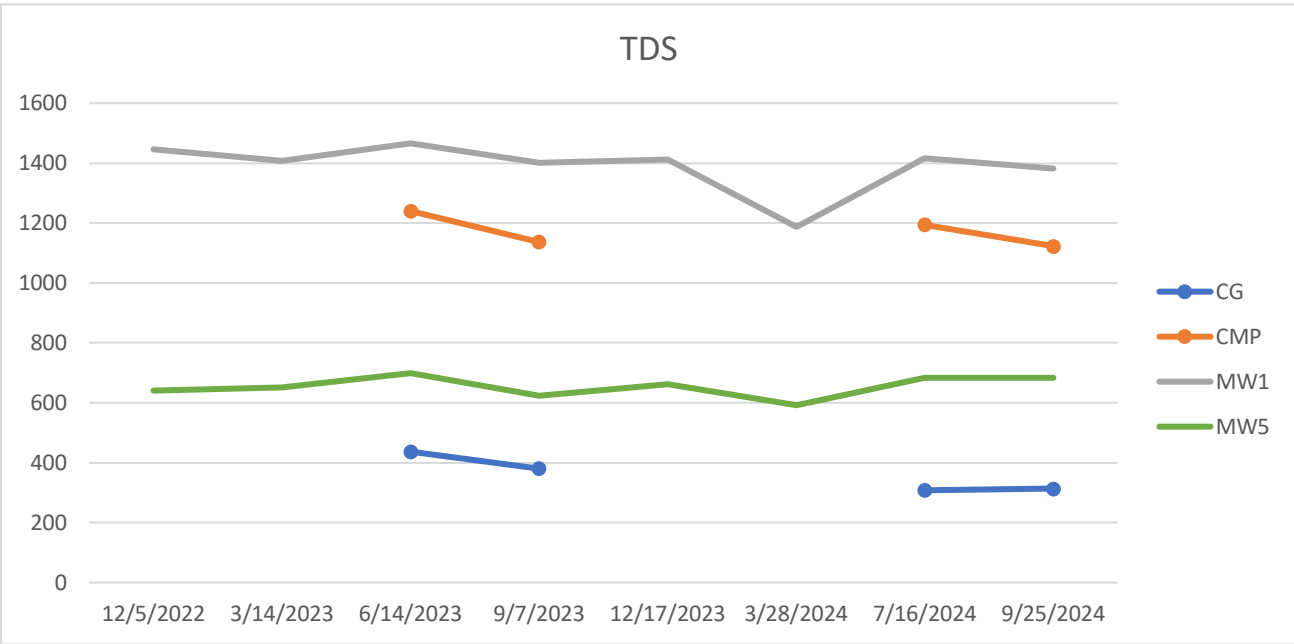
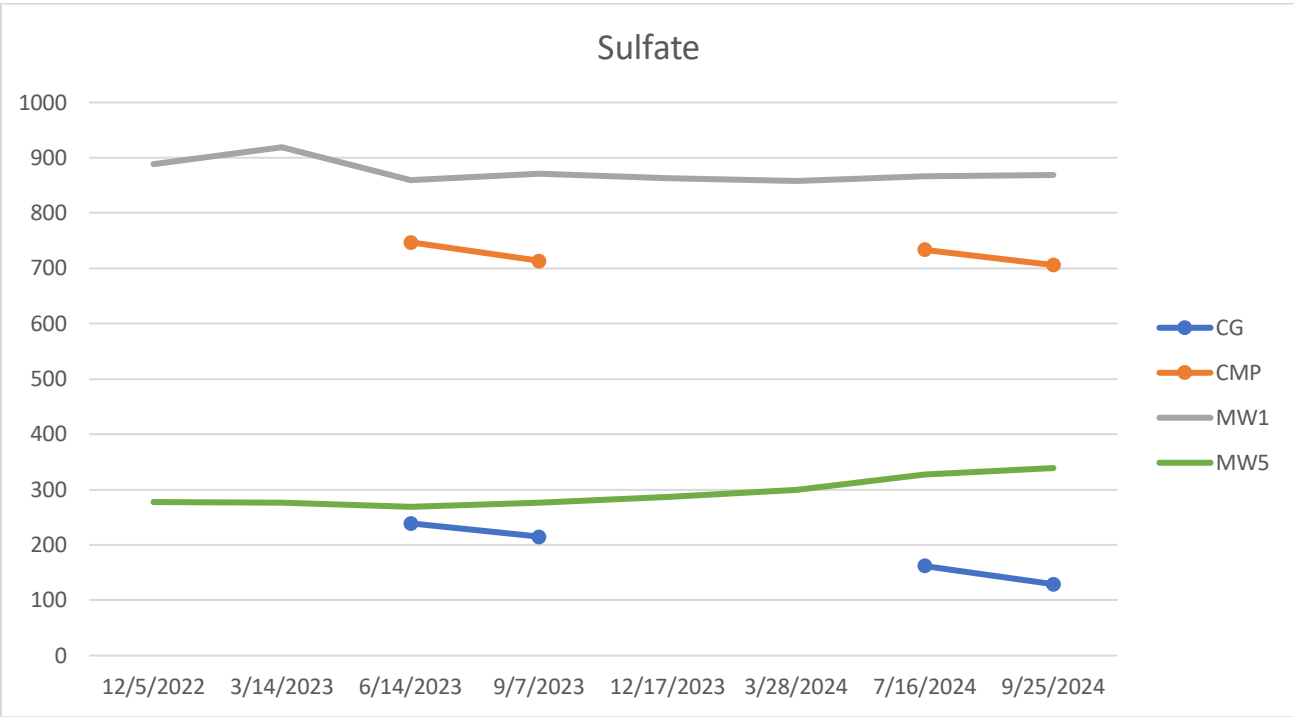




Cash Mine Analyte Graphs for the Past Five Quarters







Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Left Hand Creek
Sample Date/Time: 9/25/24 5:10 PM
Lab Number: 241002045-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Total Alkalinity	19.2 mg/L as CaCO ₃	SM 2320-B	4.0	1	10/4/24	QC76657	TAB
Bicarbonate	19.2 mg/L as CaCO ₃	SM 2320-B	0.2	0.2	10/4/24	-	TAB
Carbonate	ND mg/L as CaCO ₃	SM 2320-B	0.2	0.2	10/4/24	-	TAB
Hydroxide	ND mg/L as CaCO ₃	SM 2320-B	0.2	0.2	10/4/24	-	TAB
Chloride	2.80 mg/L	EPA 300.0	1.00	0.007	10/3/24	QC76629	NRP
Cyanide-Total	ND mg/L	EPA 335.4	0.005	0.0005	10/9/24	QC76722	KRB
Cyanide-Weak Acid Dissociable	ND mg/L	ASTM 2036-09C	0.005	0.0005	10/9/24	QC76721	KRB
Fluoride	ND mg/L	EPA 300.0	0.10	0.024	10/3/24	QC76630	NRP
Nitrate Nitrogen	ND mg/L	EPA 300.0	0.05	0.02	10/3/24	QC76631	NRP
Nitrate/ Nitrite Nitrogen	ND mg/L	Calculation	0.05	0.02	10/3/24	-	NRP
Nitrite Nitrogen	ND mg/L	EPA 300.0	0.03	0.01	10/3/24	QC76633	NRP
Specific Conductance	72 umhos/cm @ 25c	EPA 120.1	5	5	10/2/24	-	KJP
Sulfate	11.4 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	59 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
Dissolved							
Chromium - Hexavalent	ND mg/L	SM 3500-Cr B	0.02	0.01	10/4/24	QC76662	MBN
Mercury	ND mg/L	EPA 245.7	0.0002	0.00002	10/3/24	QC76644	JJA
Aluminum	0.023 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN
Antimony	ND mg/L	EPA 200.8	0.0012	0.00012	10/4/24	QC76656	MBN
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Barium	0.0202 mg/L	EPA 200.8	0.0007	0.00007	10/4/24	QC76656	MBN
Beryllium	ND mg/L	EPA 200.8	0.0001	0.000008	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Copper	0.0040 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN

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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Left Hand Creek
Sample Date/Time: 9/25/24 5:10 PM
Lab Number: 241002045-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
<u>Dissolved</u>							
Lead	0.0002 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0019 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Molybdenum	0.0007 mg/L	EPA 200.8	0.0005	0.00005	10/4/24	QC76656	MBN
Nickel	ND mg/L	EPA 200.8	0.0009	0.00005	10/4/24	QC76656	MBN
Zinc	0.009 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN
Boron	ND mg/L	EPA 200.7	0.05	0.01	10/4/24	QC76655	MBN
Calcium	7.7 mg/L	EPA 200.7	0.1	0.01	10/4/24	QC76655	MBN
Iron	0.121 mg/L	EPA 200.7	0.005	0.0005	10/4/24	QC76655	MBN
Magnesium	2.44 mg/L	EPA 200.7	0.02	0.002	10/4/24	QC76655	MBN
<u>Total</u>							
Chromium - Trivalent	ND mg/L	Calculation	0.02	0.01	10/4/24	-	MBN
Total Hardness	29.4 mg/L as CaCO ₃	SM 2340-B	0.1	0.01	10/4/24	-	MBN
Mercury	ND mg/L	EPA 245.7	0.0002	0.00002	10/3/24	QC76644	JJA
Aluminum	0.034 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Chromium	ND mg/L	EPA 200.8	0.0015	0.00015	10/4/24	QC76656	MBN
Copper	0.0040 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Lead	0.0003 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0039 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Molybdenum	0.0009 mg/L	EPA 200.8	0.0005	0.00005	10/4/24	QC76656	MBN
Calcium	7.7 mg/L	EPA 200.7	0.1	0.01	10/4/24	QC76655	MBN
Iron	0.169 mg/L	EPA 200.7	0.005	0.0005	10/4/24	QC76655	MBN
Magnesium	2.45 mg/L	EPA 200.7	0.02	0.002	10/4/24	QC76655	MBN

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Left Hand Creek

Sample Date/Time: 9/25/24 5:10 PM

Lab Number: 241002045-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
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Holding time expired for Cr-Hex, TDS, Nitrate and Nitrite. Ok to test outside of hold time per customer. Ammonium Sulfate buffer solution added upon arrival to laboratory.

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10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Tailings Pond
Sample Date/Time: 9/25/24 12:05 PM
Lab Number: 241002045-02

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	1450 mg/L	EPA 300.0	5.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	2083 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	0.0016 mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0216 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.002 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

Abbreviations/ References:

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID MW-1

Sample Date/Time: 9/25/24 12:28 PM

Lab Number: 241002045-03

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	869 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	1381 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.3158 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.035 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

Abbreviations/ References:

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MDL = Method Detection Limit

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID W-1

Sample Date/Time: 9/25/24 1:20 PM

Lab Number: 241002045-04

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	87.0 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	237 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	0.0001 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0015 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.007 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID W-2
Sample Date/Time: 9/25/24 1:40 PM
Lab Number: 241002045-05

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	144 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	297 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	0.0002 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.057 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

Abbreviations/ References:

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MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
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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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Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID W-3
Sample Date/Time: 9/25/24 2:00 PM
Lab Number: 241002045-06

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	107 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	298 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.006 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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.

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID W-4

Sample Date/Time: 9/25/24 2:28 PM

Lab Number: 241002045-07

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	197 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	506 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.6407 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.003 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID MW-5

Sample Date/Time: 9/25/24 3:18 PM

Lab Number: 241002045-08

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	339 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	684 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	0.0007 mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.2002 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.003 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Cash Mine Pond
Sample Date/Time: 9/25/24 3:35 PM
Lab Number: 241002045-09

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	706 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	1123 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	0.0008 mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	0.0023 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0242 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.627 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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MDL = Method Detection Limit
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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

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 241002045

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.: 241002045
Client PO: Paid CC
Client Project: Gold Hill

Date Received: 9/26/24
Date Reported: 10/9/24
Matrix: Water

Customer Sample ID Cash Gulch
Sample Date/Time: 9/25/24 4:25 PM
Lab Number: 241002045-10

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	129 mg/L	EPA 300.0	1.00	0.012	10/3/24	QC76632	NRP
Total Dissolved Solids	313 mg/L	SM 2540-C	5	2	10/3/24	QC76650	ISG
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	10/4/24	QC76656	MBN
Cadmium	0.0007 mg/L	EPA 200.8	0.0001	0.000006	10/4/24	QC76656	MBN
Manganese	0.0009 mg/L	EPA 200.8	0.0008	0.00001	10/4/24	QC76656	MBN
Zinc	0.134 mg/L	EPA 200.8	0.001	0.00003	10/4/24	QC76656	MBN

Holding time expired for TDS. Ok to test outside of hold time per customer.

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mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

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10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical QC Summary

TASK NO: 241002045

Report To: Ben Langenfeld
Company: Colorado Milling CO

Receive Date: 9/26/24
Project Name: Gold Hill

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC76657	Blank	ND	SM 2320-B	10/2/24
Chloride	QC76629	Blank	ND	EPA 300.0	10/2/24
Chromium - Hexavalent	QC76662	Blank	ND	SM 3500-Cr B	10/4/24
Cyanide-Total	QC76722	Blank	ND	EPA 335.4	10/8/24
Cyanide-Weak Acid Dissociable	QC76721	Blank	ND	ASTM 2036-09C	10/8/24
Fluoride	QC76630	Blank	ND	EPA 300.0	10/2/24
Mercury	QC76644	Method Blank	ND	EPA 245.7	10/3/24
	QC76644	Method Blank	ND	EPA 245.7	10/3/24
Aluminum	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Antimony	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Arsenic	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Barium	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Beryllium	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Cadmium	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Chromium	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Copper	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Lead	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Manganese	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Molybdenum	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Nickel	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Zinc	QC76656	Method Blank	ND	EPA 200.8	10/2/24
Boron	QC76655	Method Blank	ND	EPA 200.7	10/2/24
Calcium	QC76655	Method Blank	ND	EPA 200.7	10/2/24
Iron	QC76655	Method Blank	ND	EPA 200.7	10/2/24
Magnesium	QC76655	Method Blank	ND	EPA 200.7	10/2/24
Nitrate Nitrogen	QC76631	Blank	ND	EPA 300.0	10/2/24
Nitrite Nitrogen	QC76633	Blank	ND	EPA 300.0	10/2/24
Sulfate	QC76632	Blank	ND	EPA 300.0	10/2/24
Total Dissolved Solids	QC76650	Blank	ND	SM 2540-C	10/3/24

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC76657	Duplicate -240930073-01	0 - 20	-	1.3	SM 2320-B
		LCS	90 - 110	99.4	-	
		LCS-2	90 - 110	98.9	-	
Chloride	QC76629	Duplicate -241001136-01	0 - 20	-	0.9	EPA 300.0
		LCS	90 - 110	103.2	-	
		MS -241001136-01	75 - 125	88.2	-	
Chromium - Hexavalent	QC76662	Duplicate -241001082-03	0 - 20	-	0.0	SM 3500-Cr B
		LCS	90 - 110	97.7	-	
Cyanide-Total	QC76722	Duplicate -241003098-01	0 - 20	-	18.2	EPA 335.4
		LCS	90 - 110	101.9	-	
		MS -241002085-02	75 - 125	84.5	-	

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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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10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Cyanide-Weak Acid Dissociable	QC76721	Duplicate -241002201-01	0 - 20	-	12.8	ASTM 2036-09C
		LCS	90 - 110	96.8	-	
		MS -241002064-01A	75 - 125	101.5	-	
Fluoride	QC76630	Duplicate -241001136-01	0 - 20	-	0.1	EPA 300.0
		LCS	90 - 110	96.1	-	
		MS -241001136-01	75 - 125	94.4	-	
Mercury	QC76644	Duplicate -240926007-01	0 - 20	-	0.0	EPA 245.7
		LCS	90 - 110	106.2	-	
		MS -240926007-01D	80 - 120	98.0	-	
Aluminum	QC76656	LCS	90 - 110	104.9	-	EPA 200.8
		MS -241002004-02	70 - 130	113.9	-	
		MSD -241002004-02	0 - 10	-	1.3	
Antimony	QC76656	LCS	90 - 110	108.7	-	EPA 200.8
		MS -241002004-02	70 - 130	114.8	-	
		MSD -241002004-02	0 - 10	-	3.0	
Arsenic	QC76656	LCS	90 - 110	104.6	-	EPA 200.8
		MS -241002004-02	70 - 130	116.0	-	
		MSD -241002004-02	0 - 10	-	2.7	
Barium	QC76656	LCS	90 - 110	102.8	-	EPA 200.8
		MS -241002004-02	70 - 130	111.3	-	
		MSD -241002004-02	0 - 10	-	0.6	
Beryllium	QC76656	LCS	90 - 110	106.7	-	EPA 200.8
		MS -241002004-02	70 - 130	108.5	-	
		MSD -241002004-02	0 - 10	-	2.2	
Cadmium	QC76656	LCS	90 - 110	103.9	-	EPA 200.8
		MS -241002004-02	70 - 130	105.7	-	
		MSD -241002004-02	0 - 10	-	0.0	
Chromium	QC76656	LCS	90 - 110	103.8	-	EPA 200.8
		MS -241002004-02	70 - 130	105.2	-	
		MSD -241002004-02	0 - 10	-	2.1	
Copper	QC76656	LCS	90 - 110	107.1	-	EPA 200.8
		MS -241002004-02	70 - 130	105.6	-	
		MSD -241002004-02	0 - 10	-	0.5	
Lead	QC76656	LCS	90 - 110	101.6	-	EPA 200.8
		MS -241002004-02	70 - 130	101.9	-	
		MSD -241002004-02	0 - 10	-	2.7	
Manganese	QC76656	LCS	90 - 110	106.8	-	EPA 200.8
		MS -241002004-02	70 - 130	99.9	-	
		MSD -241002004-02	0 - 10	-	1.7	
Molybdenum	QC76656	LCS	90 - 110	104.2	-	EPA 200.8
		MS -241002004-02	70 - 130	110.5	-	
		MSD -241002004-02	0 - 10	-	0.5	
Nickel	QC76656	LCS	90 - 110	106.6	-	EPA 200.8
		MS -241002004-02	70 - 130	102.1	-	
		MSD -241002004-02	0 - 10	-	0.4	
Zinc	QC76656	LCS	90 - 110	100.4	-	EPA 200.8
		MS -241002004-02	70 - 130	103.2	-	
		MSD -241002004-02	0 - 10	-	3.4	
Boron	QC76655	Duplicate -241002004-02	0 - 20	-	3.8	EPA 200.7
		LCS	90 - 110	99.4	-	
		MS -241002026-01	75 - 125	101.2	-	

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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.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Calcium	QC76655	Duplicate -241002004-02	0 - 20	-	0.5	EPA 200.7
		LCS	90 - 110	94.0	-	
		MS -241002026-01	75 - 125	93.2	-	
Iron	QC76655	Duplicate -241002004-02	0 - 20	-	1.4	EPA 200.7
		LCS	90 - 110	98.4	-	
		MS -241002026-01	75 - 125	108.0	-	
Magnesium	QC76655	Duplicate -241002004-02	0 - 20	-	1.2	EPA 200.7
		LCS	90 - 110	102.2	-	
		MS -241002026-01	75 - 125	106.2	-	
Nitrate Nitrogen	QC76631	Duplicate -241001136-01	0 - 20	-	1.3	EPA 300.0
		LCS	90 - 110	98.6	-	
		MS -241001136-01	75 - 125	96.1	-	
Nitrite Nitrogen	QC76633	Duplicate -241001159-01	0 - 20	-	4.5	EPA 300.0
		LCS	90 - 110	95.0	-	
		MS -241001159-01	75 - 125	95.8	-	
Sulfate	QC76632	Duplicate -241001136-01	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	100.8	-	
		MS -241001136-01	75 - 125	89.9	-	
Total Dissolved Solids	QC76650	Duplicate -241002100-01	0 - 10	-	0.9	SM 2540-C
		LCS	85 - 115	99.9	-	

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 the wastewater 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
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mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

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ND = Not Detected at Reporting Limit.

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313

Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Colorado
Analytical

Project New History - W
LABORATORIES, INC
Commerce City Lab
10411 Heinz Way
Commerce City CO 80640
10/2/20

Lakewood Service Center
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

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:				
Contact Name: Ben Langenfeld			Contact Name:				
Address: Lewicki & Associates			Address:			Task Number (Lab Use Only)	
City		State	City		State	Zip	
Phone: 303-960-5613			Phone:			CAL Task	
Email: Ben@LewickiBiz			Email:			241002045	
Sample Collector: Lewis Perkins						JML	
Sample Collector Phone: 303-447-8705			PO No.:				

Sample Matrix (Select One Only)				Tests Requested																		
Waste Water	Soil	Drinking Water																				
Ground Water	Sludge																					
Surface Water																						
Date	Time	Sample ID	No. of Containers	Grab or (Check One Only)	AS	CD	MN	24	Residue/tos	Sulfate												
9/25/24	5:10 PM	Left hand Green (see enclosed test list)	3	-	X	X	X	X	X	X												
"	12:05 PM	tailings Pond	2	-	X	X	X	X	X	X												
"	12:28 PM	MW-1	2	-	X	X	X	X	X	X												
"	1:20 PM	W-1	2	-	X	X	X	X	X	X												
"	1:40 PM	W-2	2	-	X	X	X	X	X	X												
"	2:00 PM	W-3	2	-	X	X	X	X	X	X												
"	2:28 PM	W-4	2	-	X	X	X	X	X	X												
"	3:18 PM	MW-5	2	-	X	X	X	X	X	X												
"	3:35 PM	cash mine Pond	2	-	X	X	X	X	X	X												
"	4:25 PM	cash Gulch	2	-	X	X	X	X	X	X												
Instructions: * Per history prior conversation w/ customer both received Cyanide - Total WAD is needed. fr 9/26/24													Date/Time: 9/26/24 Relinquished By: Lewis Perkins Received By: [Signature] Date/Time: 9/26/24									

Aluminum, dissolved	
Aluminum, total	CAL Task
Antimony, dissolved	241002045
Arsenic, dissolved	
Arsenic, total	JML
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	X
Cyanide, WAD	X
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	

For left hand creek only + eating