

October 20, 2023

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

Delivered Via Email

RE: Q3 2023 Water Sampling Results
Gold Hill Mill, Permit No. M-1994-117

To Whom It May Concern

The third quarter, 2023 ("Q3/23") water sampling was conducted by Lewis Perkins, Colorado Milling Company, on September 7, 2023.

- **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.

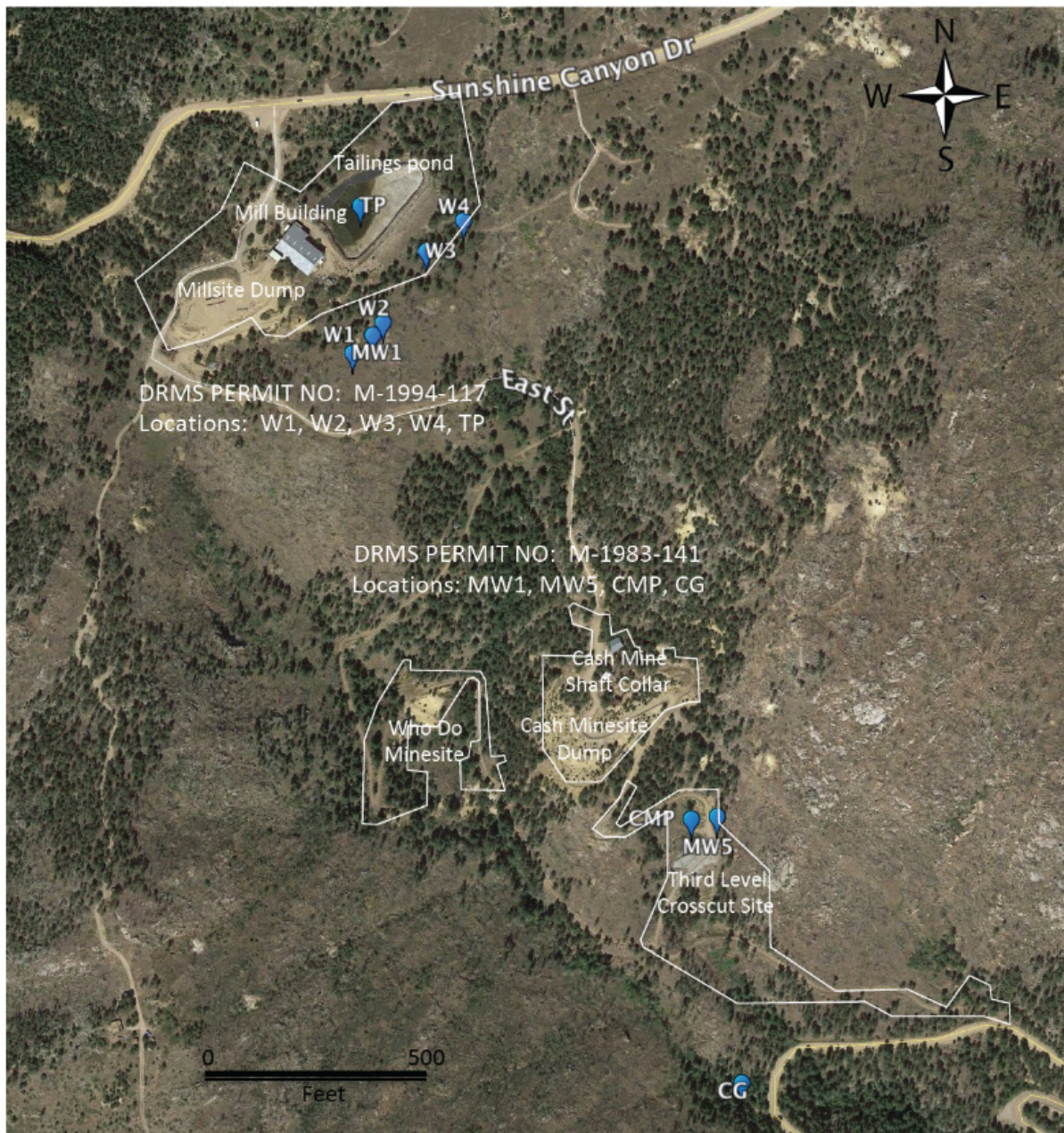
Note that zero values in the summary table represent "non-detect" results.

Please contact me with any questions.

Regards,



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

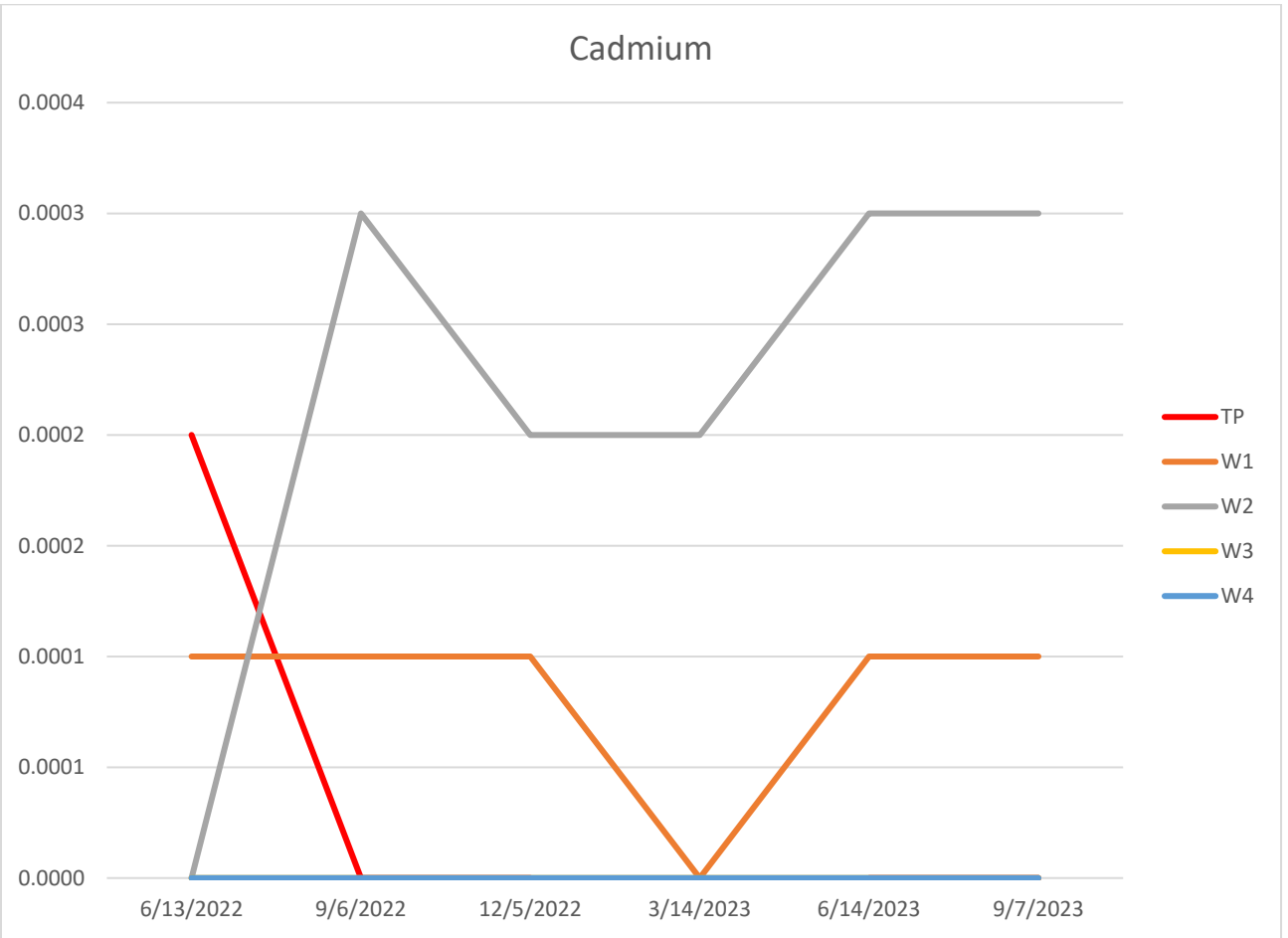
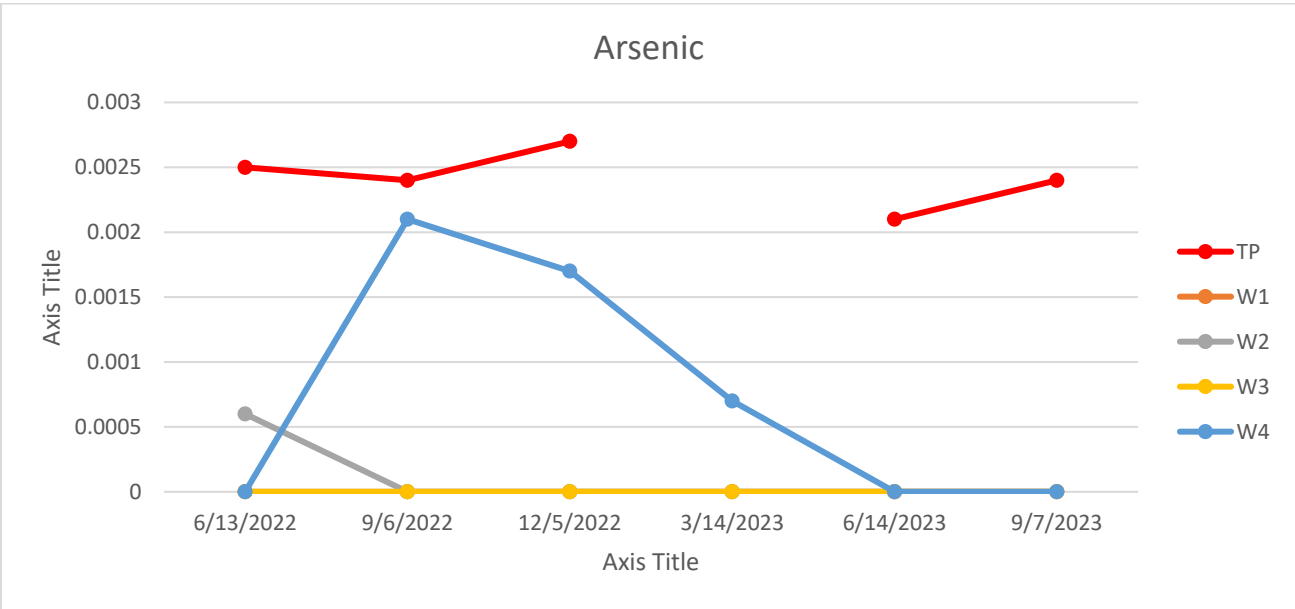


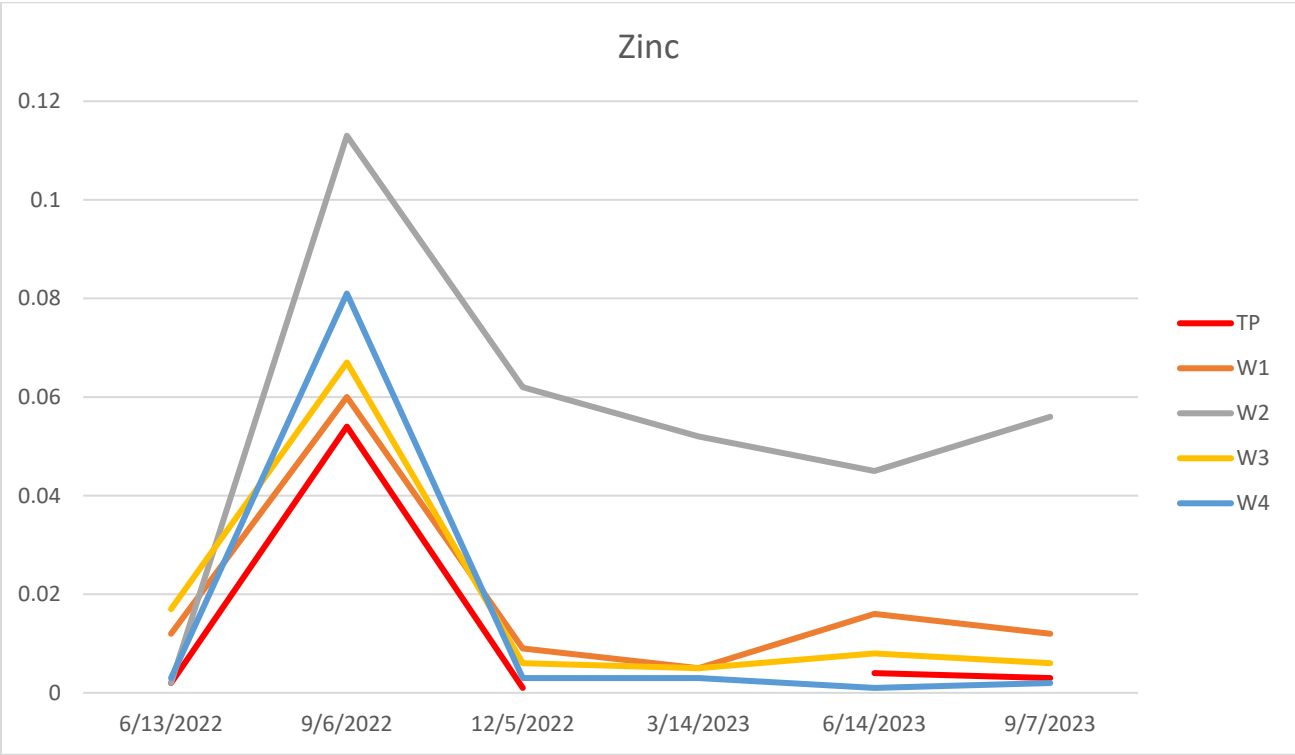
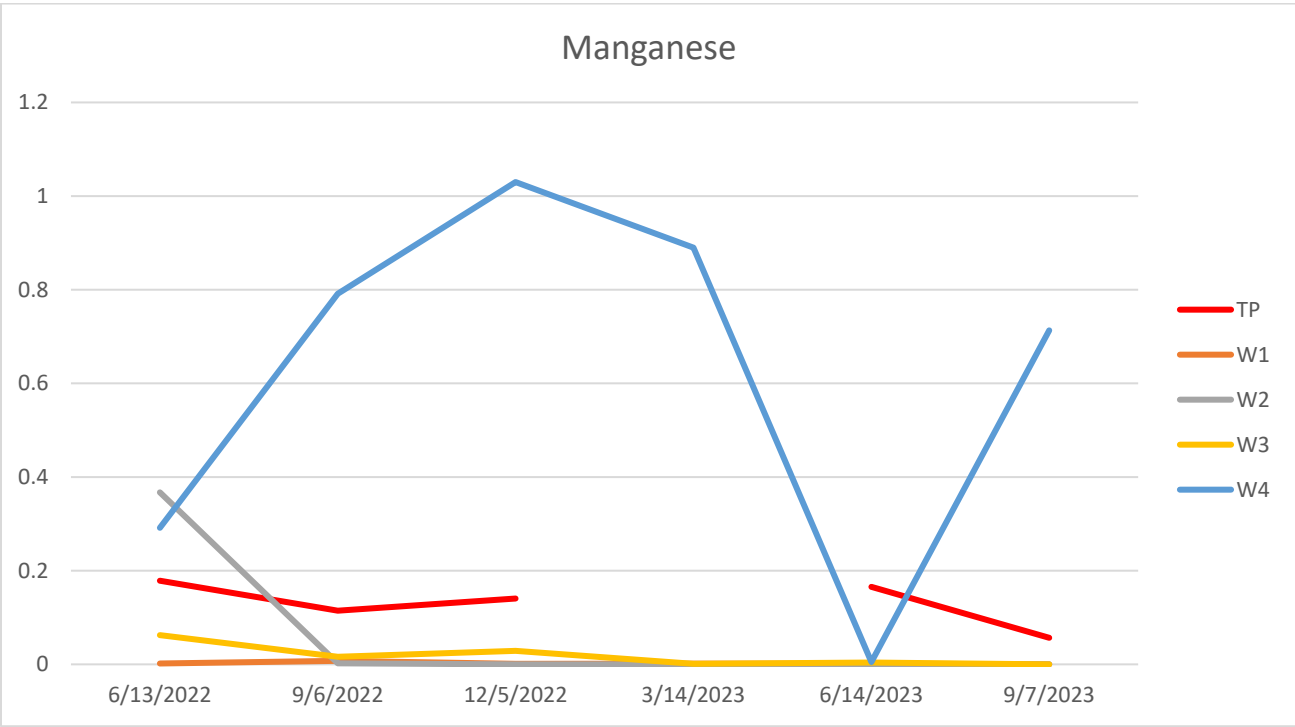
Map showing locations of water monitoring stations for permits M-1994-117 & M-1983-141

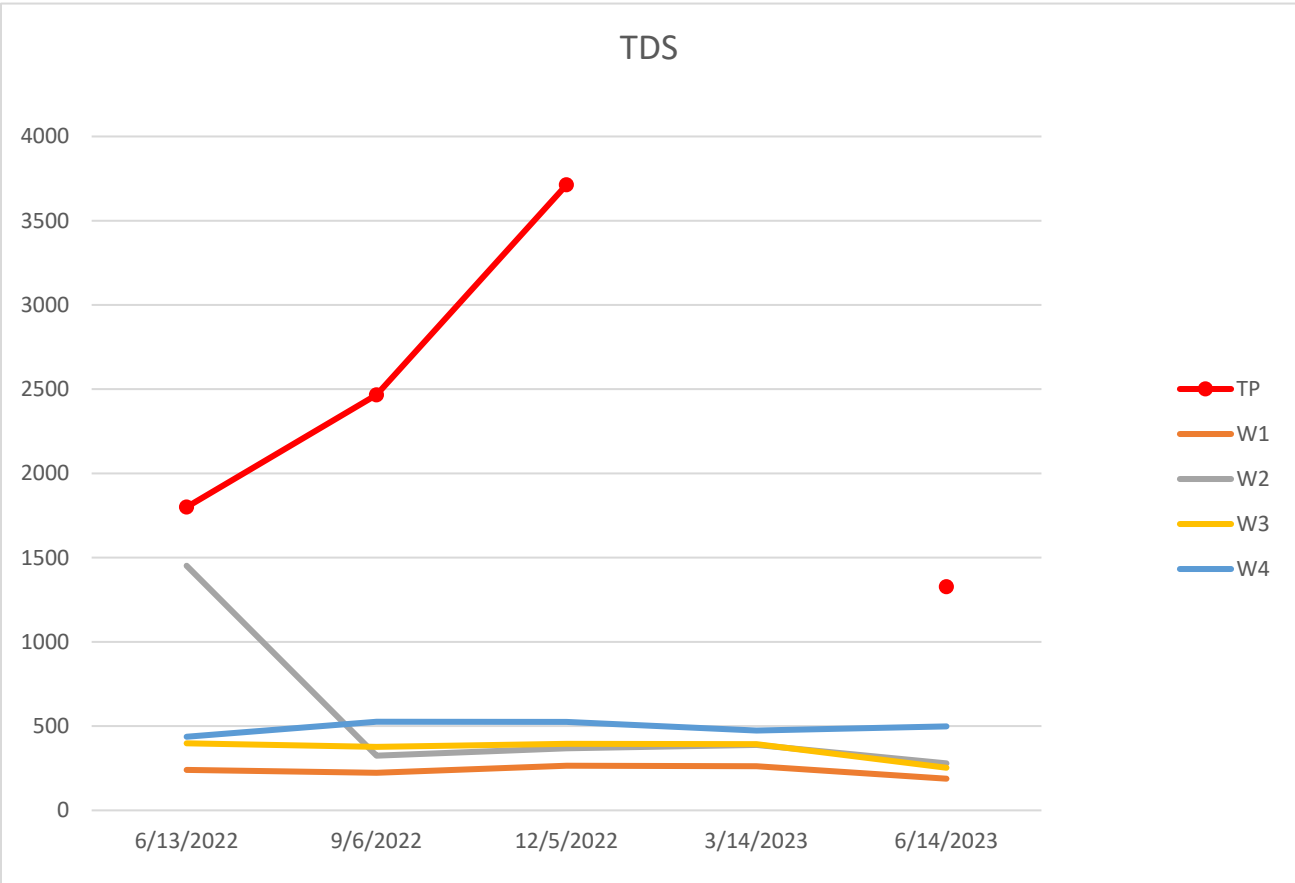
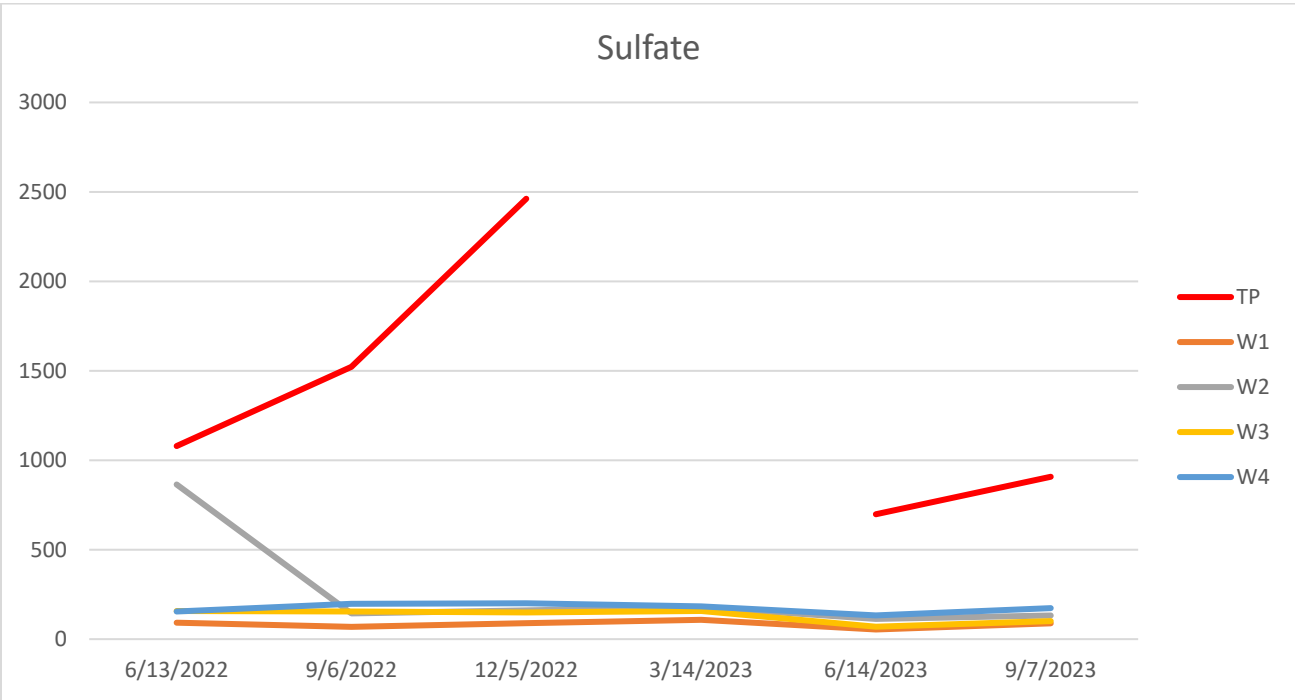
Locations		Well Measurements						Water Analyses (ppm/mg/L)						
Locations ID	Date	Time	Depth	pH	Temp (C)	Conductivity (uS/cm)	Sample ID	Date	As	Cd	Mn	Zn	Residue	Sulfate
Gold Hill Mill M-1994-117														
W-1	09/07/23	10:30	35.4	7.56	10.4	375	230908056-01	09/07/23	0	0.0001	0	0.012	88.17	0
W-2	09/07/23	10:50	38.5	7.41	10.4	454	230908056-01	09/07/23	0	0.0003	0	0.056	131.91	0
W-3	09/07/23	11:10	24.2	7.16	10.8	467	230908056-01	09/07/23	0	0	0	0.006	101.13	0
W-4	09/07/23	11:35	30.4	7.3	10	778	230908056-01	09/07/23	0	0	0.7132	0.002	173.18	0
TP	09/07/23	15:45	0	7.88	20.3	1738	230908056-01	09/07/23	0.0024	0	0.0567	0.003	907.77	0.0024
Cash Mine M-1983-141														
MW-1	09/07/23	9:45	52.3	7.75	11.4	1626	230908056-01	09/07/23	0	0.0003	0.2617	0.017	871.48	0
MW-5	09/07/23	12:15	10.9	7.34	13.7	778	230908056-01	09/07/23	0.001	0	0.214	0	275.96	0.001
CG	09/07/23	13:15	0	8.06	16.3	567	230908056-01	09/07/23	0	0.0006	0.0074	0.162	214.69	0
CMP	09/07/23	12:30	0	8.2	19.1	1308	230908056-01	09/07/23	0.0007	0.0028	0.148	0.883	713.48	0.0007

Analytes from lab analysis are dissolved.

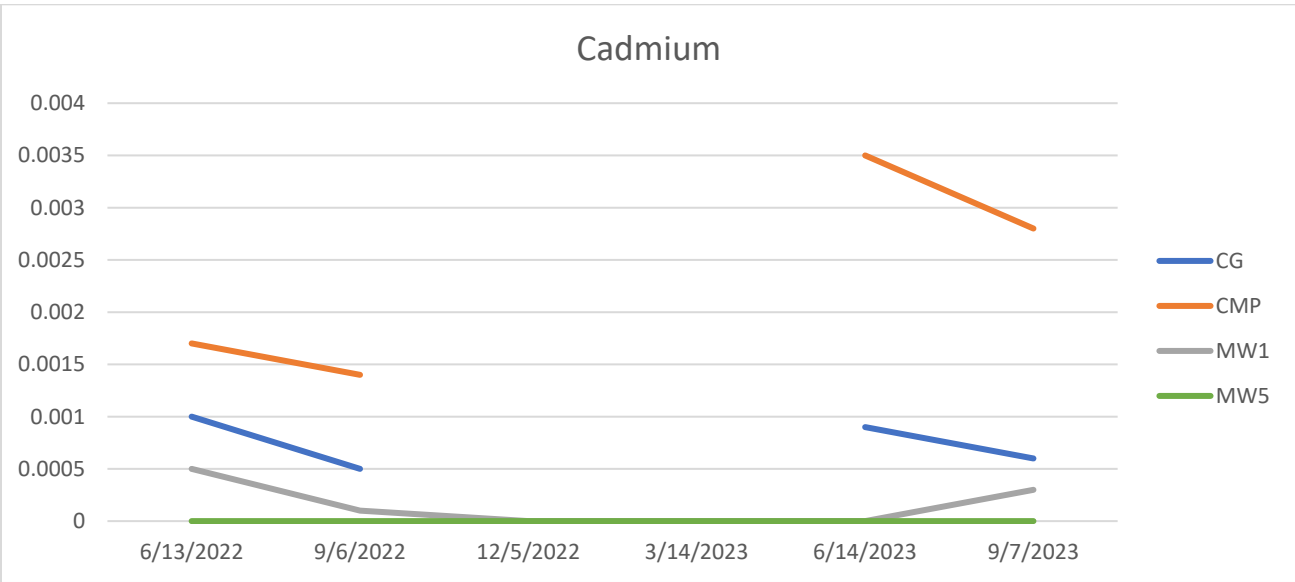
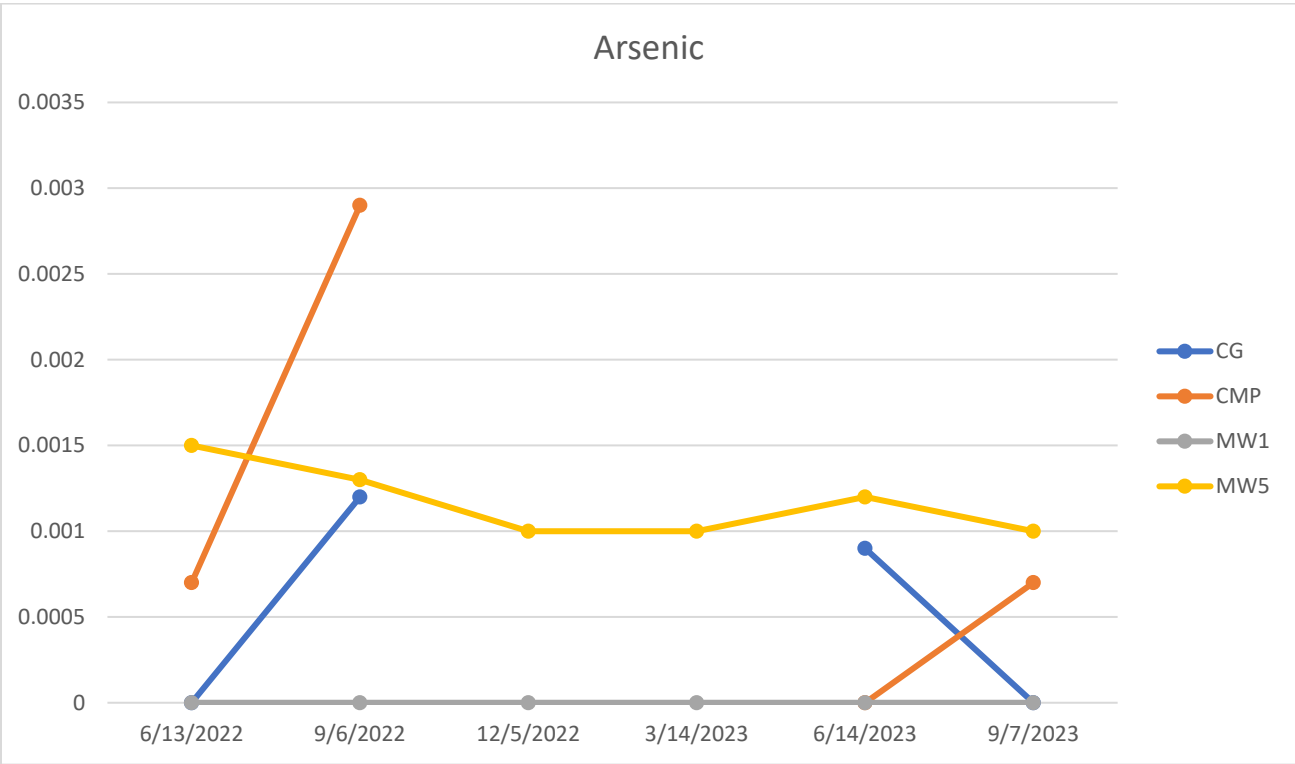
Gold Hill Mill Analyte Graphs for the Past Five Quarters

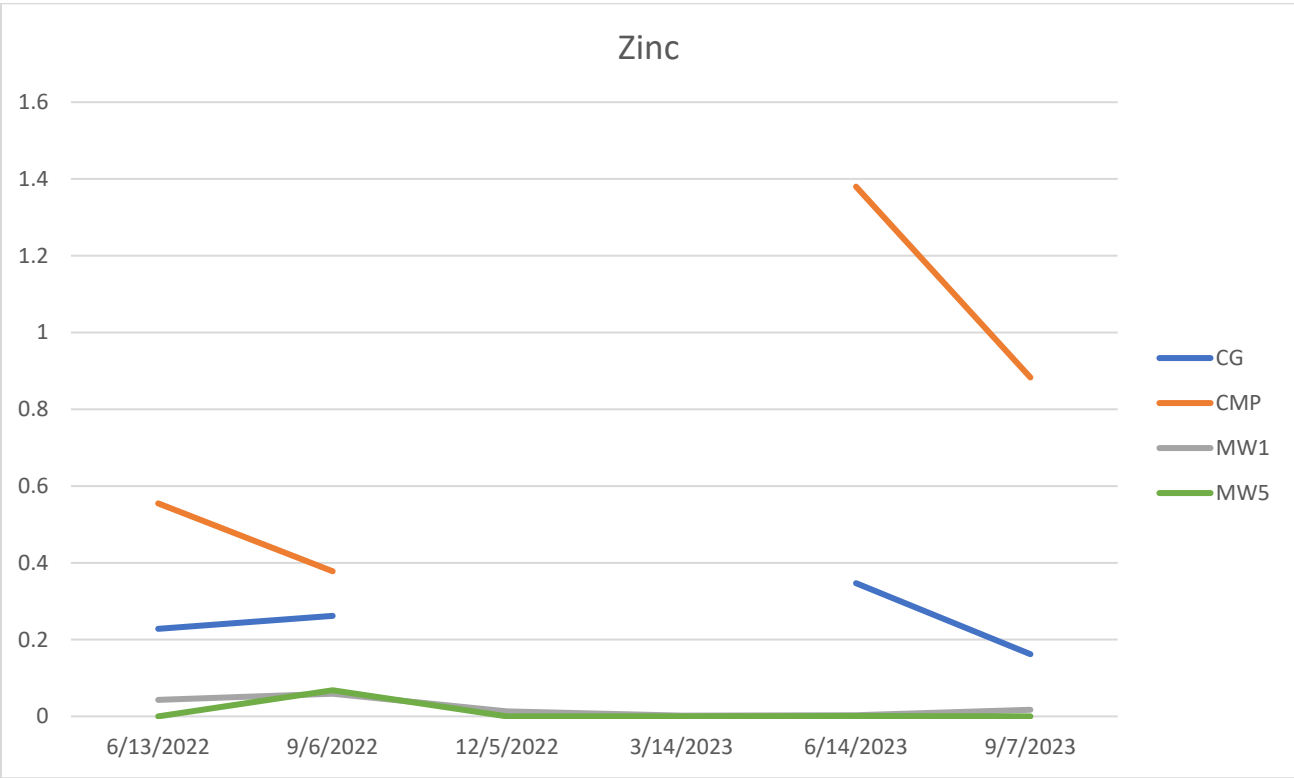
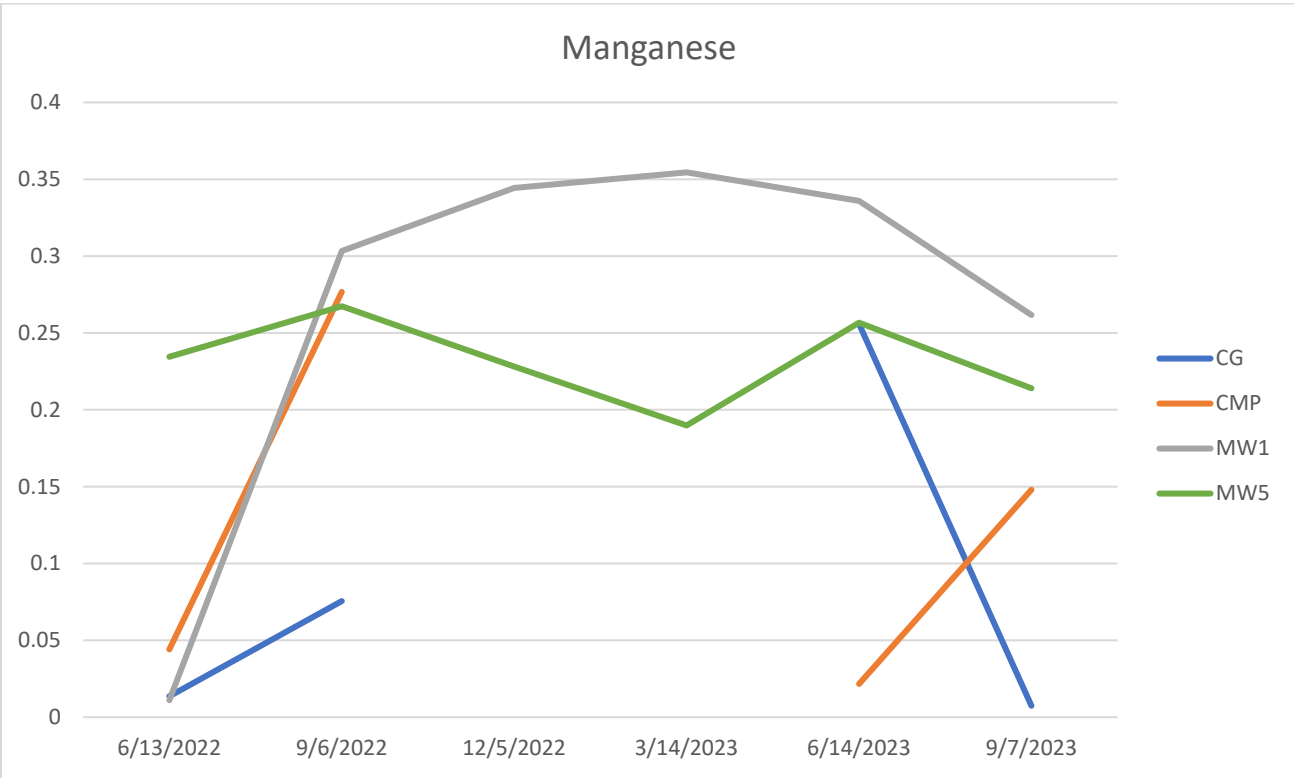


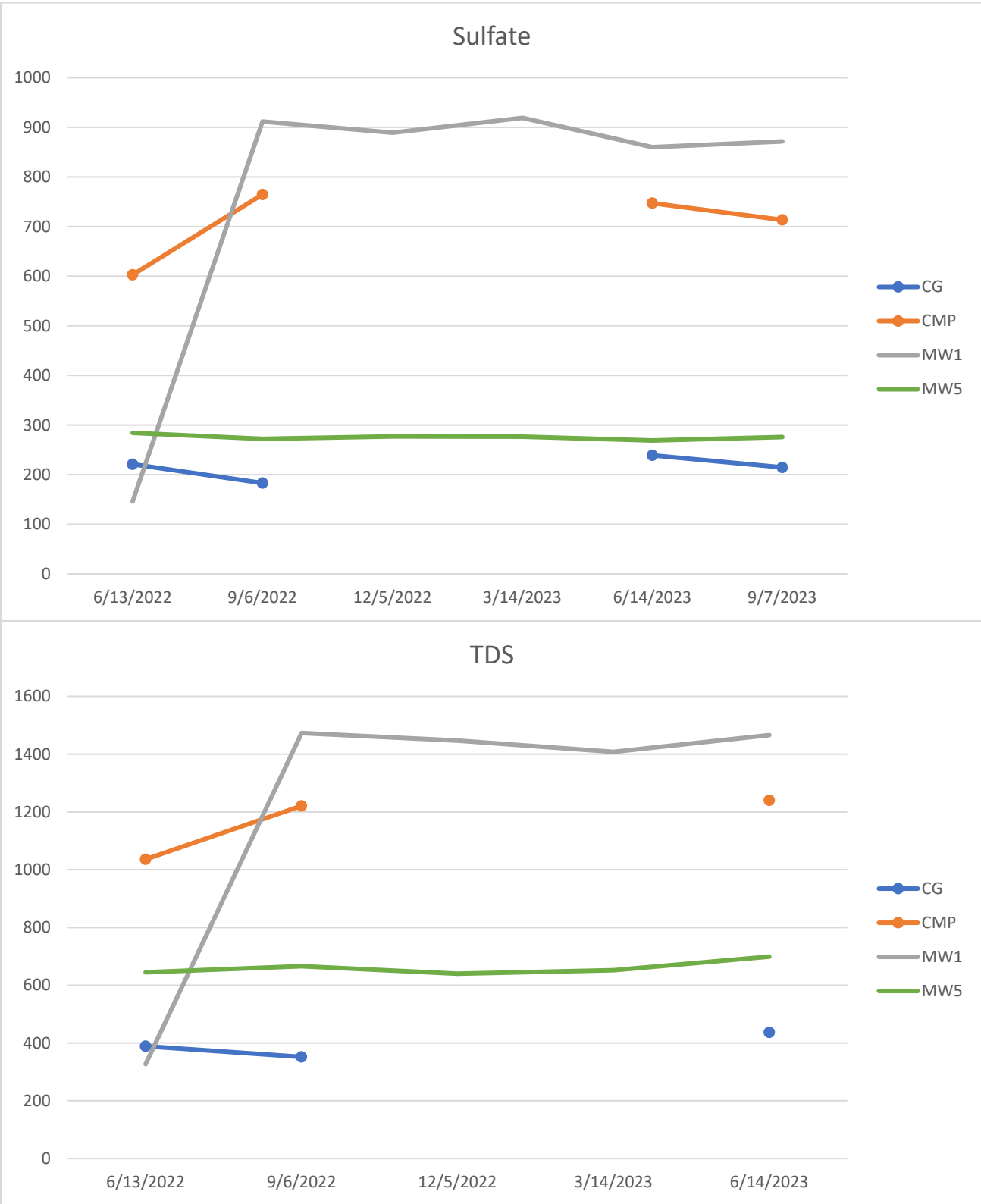




Cash Mine Analyte Graphs for the Past Five Quarters







Analytical Results

TASK NO: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID Left Hand Creek
Sample Date/Time: 9/7/23 4:30 PM
Lab Number: 230908056-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Total Alkalinity	21.0 mg/L as CaCO ₃	SM 2320-B	4.0	1	9/13/23	QC67855	JCB
Bicarbonate	21.0 mg/L as CaCO ₃	SM 2320-B	0.2	-	9/13/23	QC67855	JCB
Carbonate	ND mg/L as CaCO ₃	SM 2320-B	0.2	-	9/13/23	QC67855	JCB
Hydroxide	ND mg/L as CaCO ₃	SM 2320-B	0.2	-	9/13/23	QC67855	JCB
Chloride	4.62 mg/L	EPA 300.0	0.10	0.007	9/9/23	QC67778	NRP
Cyanide-Total	ND mg/L	EPA 335.4	0.005	0.0005	9/12/23	QC67810	JCB
Cyanide-Weak Acid Dissociable	ND mg/L	ASTM 2036-09C	0.005	0.0005	9/12/23	QC67809	JCB
Fluoride	ND mg/L	EPA 300.0	0.10	0.024	9/9/23	QC67779	NRP
Nitrate Nitrogen	ND mg/L	EPA 300.0	0.05	0.02	9/9/23	QC67780	NRP
Nitrate/ Nitrite Nitrogen	ND mg/L	Calculation	0.05	0.02	9/11/23	-	NRP
Nitrite Nitrogen	ND mg/L	EPA 300.0	0.03	0.01	9/9/23	QC67782	NRP
Specific Conductance	80 umhos/cm @ 25c	EPA 120.1	5	5	9/8/23	-	AKF
Sulfate	9.96 mg/L	EPA 300.0	0.10	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	39 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
Dissolved							
Chromium - Hexavalent	ND mg/L	SM 3500-Cr B	0.01	0.001	9/13/23	QC67857	MAT
Mercury	ND mg/L	EPA 245.7	0.0002	0.00002	9/14/23	QC67867	MAT
Aluminum	0.012 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN
Antimony	ND mg/L	EPA 200.8	0.0012	0.00012	9/11/23	QC67769	MBN
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Barium	0.0191 mg/L	EPA 200.8	0.0007	0.00007	9/11/23	QC67769	MBN
Beryllium	ND mg/L	EPA 200.8	0.0001	0.000008	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Copper	0.0015 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN

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.

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Bill To: Jerry Jergensen

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Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID Left Hand Creek
Sample Date/Time: 9/7/23 4:30 PM
Lab Number: 230908056-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
<u>Dissolved</u>							
Lead	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Molybdenum	0.0007 mg/L	EPA 200.8	0.0005	0.00005	9/11/23	QC67769	MBN
Nickel	ND mg/L	EPA 200.8	0.0009	0.00005	9/11/23	QC67769	MBN
Zinc	0.002 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN
Boron	ND mg/L	EPA 200.7	0.05	0.01	9/12/23	QC67798	MAT
Calcium	7.0 mg/L	EPA 200.7	0.1	0.01	9/12/23	QC67798	MAT
Iron	0.047 mg/L	EPA 200.7	0.005	0.0005	9/12/23	QC67798	MAT
Magnesium	1.87 mg/L	EPA 200.7	0.02	0.002	9/12/23	QC67798	MAT
<u>Total</u>							
Chromium - Trivalent	ND mg/L	Calculation	0.01	-	9/11/23	-	MBN
Total Hardness	25.4 mg/L as CaCO ₃	SM 2340-B	0.1	-	9/12/23	-	MAT
Mercury	ND mg/L	EPA 245.7	0.0002	0.00002	9/14/23	QC67867	MAT
Aluminum	0.043 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Chromium	ND mg/L	EPA 200.8	0.0015	0.00015	9/11/23	QC67769	MBN
Copper	0.0017 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Lead	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.0034 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Molybdenum	0.0007 mg/L	EPA 200.8	0.0005	0.00005	9/11/23	QC67769	MBN
Calcium	7.0 mg/L	EPA 200.7	0.1	0.01	9/12/23	QC67798	MAT
Iron	0.087 mg/L	EPA 200.7	0.005	0.0005	9/12/23	QC67798	MAT
Magnesium	1.91 mg/L	EPA 200.7	0.02	0.002	9/12/23	QC67798	MAT

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

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Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID Tailing Pond
Sample Date/Time: 9/7/23 3:45 PM
Lab Number: 230908056-02

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	907.77 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	1491 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	0.0024 mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.0567 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.003 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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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

Analytical Results

TASK NO: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID MW1

Sample Date/Time: 9/7/23 9:45 AM

Lab Number: 230908056-03

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	871.48 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	1402 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	0.0003 mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.2617 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.017 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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

Analytical Results

TASK NO: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID W1
Sample Date/Time: 9/7/23 10:30 AM
Lab Number: 230908056-04

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	88.17 mg/L	EPA 300.0	0.10	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	202 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	0.0001 mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.012 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

Abbreviations/ References:

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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: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID W2
Sample Date/Time: 9/7/23 10:50 AM
Lab Number: 230908056-05

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	131.91 mg/L	EPA 300.0	0.10	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	263 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	0.0003 mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.056 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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Analytical Results

TASK NO: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID W3
Sample Date/Time: 9/7/23 11:10 AM
Lab Number: 230908056-06

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	101.13 mg/L	EPA 300.0	0.10	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	255 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	ND mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.006 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID W4
Sample Date/Time: 9/7/23 11:35 AM
Lab Number: 230908056-07

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	173.18 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	462 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.7132 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.002 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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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: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO

P.O. Box 99

Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO

P.O. Box 99

Moab UT 84532

Task No.: 230908056

Client PO:

Client Project: Gold Hill

Date Received: 9/8/23

Date Reported: 9/18/23

Matrix: Water - Ground

Customer Sample ID MW5

Sample Date/Time: 9/7/23 12:15 PM

Lab Number: 230908056-08

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	275.96 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	623 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	0.0010 mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	ND mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.2140 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	ND mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

Abbreviations/ References:

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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: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO
P.O. Box 99
Moab UT 84532

Task No.: 230908056
Client PO:
Client Project: Gold Hill

Date Received: 9/8/23
Date Reported: 9/18/23
Matrix: Water - Ground

Customer Sample ID Cash Mine Pond
Sample Date/Time: 9/7/23 12:30 PM
Lab Number: 230908056-09

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	713.48 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	1137 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	0.0007 mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	0.0028 mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.1480 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.883 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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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: 230908056

Report To: Jerry Jergensen

Company: Colorado Milling CO

P.O. Box 99

Moab UT 84532

Bill To: Jerry Jergensen

Company: Colorado Milling CO

P.O. Box 99

Moab UT 84532

Task No.: 230908056

Client PO:

Client Project: Gold Hill

Date Received: 9/8/23

Date Reported: 9/18/23

Matrix: Water - Ground

Customer Sample ID Cash Creek

Sample Date/Time: 9/7/23 1:15 PM

Lab Number: 230908056-10

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Sulfate	214.69 mg/L	EPA 300.0	1.00	0.012	9/9/23	QC67781	NRP
Total Dissolved Solids	381 mg/L	SM 2540-C	5	2	9/14/23	QC67859	RAB
<u>Dissolved</u>							
Arsenic	ND mg/L	EPA 200.8	0.0006	0.00006	9/11/23	QC67769	MBN
Cadmium	0.0006 mg/L	EPA 200.8	0.0001	0.000006	9/11/23	QC67769	MBN
Manganese	0.0074 mg/L	EPA 200.8	0.0008	0.00001	9/11/23	QC67769	MBN
Zinc	0.162 mg/L	EPA 200.8	0.001	0.00003	9/11/23	QC67769	MBN

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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: 230908056

Report To: Jerry Jergensen
Company: Colorado Milling CO

Receive Date: 9/8/23
Project Name: Gold Hill

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC67855	Blank	ND	SM 2320-B	9/13/23
Chloride	QC67778	Blank	ND	EPA 300.0	9/7/23
Chromium - Hexavalent	QC67857	Blank	ND	SM 3500-Cr B	9/13/23
Cyanide-Total	QC67810	Blank	ND	EPA 335.4	9/8/23
Cyanide-Weak Acid Dissociable	QC67809	Blank	ND	ASTM 2036-09C	9/8/23
Fluoride	QC67779	Blank	ND	EPA 300.0	9/7/23
Mercury	QC67867	Method Blank	ND	EPA 245.7	9/14/23
Aluminum	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Antimony	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Arsenic	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Barium	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Beryllium	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Cadmium	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Chromium	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Copper	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Lead	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Manganese	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Molybdenum	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Nickel	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Zinc	QC67769	Method Blank	ND	EPA 200.8	9/8/23
Boron	QC67798	Method Blank	ND	EPA 200.7	9/8/23
Calcium	QC67798	Method Blank	ND	EPA 200.7	9/8/23
Iron	QC67798	Method Blank	ND	EPA 200.7	9/8/23
Magnesium	QC67798	Method Blank	ND	EPA 200.7	9/8/23
Nitrate Nitrogen	QC67780	Blank	ND	EPA 300.0	9/7/23
Nitrite Nitrogen	QC67782	Blank	ND	EPA 300.0	9/7/23
Sulfate	QC67781	Blank	ND	EPA 300.0	9/7/23
Total Dissolved Solids	QC67859	Blank	ND	SM 2540-C	9/13/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC67855	Duplicate	0 - 20	-	3.1	SM 2320-B
		LCS	90 - 110	102.9	-	
		LCS-2	90 - 110	100.6	-	
Chloride	QC67778	Duplicate	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	103.5	-	
		MS	75 - 125	104.2	-	
Chromium - Hexavalent	QC67857	Duplicate	0 - 20	-	0.0	SM 3500-Cr B
		LCS	90 - 110	101.6	-	
Cyanide-Total	QC67810	Duplicate	0 - 20	-	0.9	EPA 335.4
		LCS	90 - 110	98.3	-	
		MS	75 - 125	96.0	-	
Cyanide-Weak Acid Dissociable	QC67809	Duplicate	0 - 20	-	11.8	ASTM 2036-09C

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Fluoride	QC67779	LCS	90 - 110	95.4	-	EPA 300.0
		MS	75 - 125	102.5	-	
		Duplicate	0 - 20	-	1.8	
Mercury	QC67867	LCS	90 - 110	102.3	-	EPA 245.7
		MS	75 - 125	90.6	-	
		Duplicate	0 - 20	-	0.0	
Aluminum	QC67769	LCS	90 - 110	104.0	-	EPA 200.8
		MS	70 - 130	99.1	-	
		MSD	0 - 10	-	7.0	
Antimony	QC67769	LCS	90 - 110	106.7	-	EPA 200.8
		MS	70 - 130	99.1	-	
		MSD	0 - 10	-	7.0	
Arsenic	QC67769	LCS	90 - 110	103.9	-	EPA 200.8
		MS	70 - 130	96.5	-	
		MSD	0 - 10	-	0.4	
Barium	QC67769	LCS	90 - 110	98.6	-	EPA 200.8
		MS	70 - 130	105.7	-	
		MSD	0 - 10	-	6.2	
Beryllium	QC67769	LCS	90 - 110	99.3	-	EPA 200.8
		MS	70 - 130	98.0	-	
		MSD	0 - 10	-	0.1	
Cadmium	QC67769	LCS	90 - 110	97.2	-	EPA 200.8
		MS	70 - 130	93.6	-	
		MSD	0 - 10	-	1.3	
Chromium	QC67769	LCS	90 - 110	97.1	-	EPA 200.8
		MS	70 - 130	94.6	-	
		MSD	0 - 10	-	1.0	
Copper	QC67769	LCS	90 - 110	99.2	-	EPA 200.8
		MS	70 - 130	96.5	-	
		MSD	0 - 10	-	0.8	
Lead	QC67769	LCS	90 - 110	98.7	-	EPA 200.8
		MS	70 - 130	92.6	-	
		MSD	0 - 10	-	0.7	
Manganese	QC67769	LCS	90 - 110	98.9	-	EPA 200.8
		MS	70 - 130	91.4	-	
		MSD	0 - 10	-	3.0	
Molybdenum	QC67769	LCS	90 - 110	103.5	-	EPA 200.8
		MS	70 - 130	103.4	-	
		MSD	0 - 10	-	3.0	
Nickel	QC67769	LCS	90 - 110	98.1	-	EPA 200.8
		MS	70 - 130	99.7	-	
		MSD	0 - 10	-	0.0	
Zinc	QC67769	LCS	90 - 110	99.5	-	EPA 200.8
		MS	70 - 130	90.6	-	
		MSD	0 - 10	-	2.0	
Boron	QC67798	LCS	90 - 110	99.5	-	EPA 200.7
		MS	70 - 130	77.1	-	
		MSD	0 - 10	-	4.8	
Calcium	QC67798	LCS	90 - 110	101.9	-	EPA 200.7
		MS	75 - 125	98.3	-	
		Duplicate	0 - 20	-	1.2	

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

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Iron	QC67798	LCS	90 - 110	101.1	-	EPA 200.7
		MS	75 - 125	87.7	-	
		Duplicate	0 - 20	-	10.5	
		LCS	90 - 110	99.0	-	
		MS	75 - 125	96.3	-	
		Duplicate	0 - 20	-	4.4	
Magnesium	QC67798	LCS	90 - 110	100.0	-	EPA 200.7
		MS	75 - 125	83.7	-	
		Duplicate	0 - 20	-	0.7	
Nitrate Nitrogen	QC67780	LCS	90 - 110	101.0	-	EPA 300.0
		MS	75 - 125	92.3	-	
		Duplicate	0 - 20	-	0.0	
Nitrite Nitrogen	QC67782	LCS	90 - 110	93.0	-	EPA 300.0
		MS	75 - 125	94.8	-	
		Duplicate	0 - 20	-	0.3	
Sulfate	QC67781	LCS	90 - 110	101.9	-	EPA 300.0
		MS	75 - 125	100.8	-	
		Duplicate	0 - 20	-	4.1	
Total Dissolved Solids	QC67859	LCS	85 - 115	103.9	-	SM 2540-C
		Duplicate	0 - 20	-	4.1	

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:

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

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

Chain of Custody Form



per history of
 Commerce City Lab
 10411 Heinz Way
 Commerce City CO 80640
 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 Company		Company Name:		Gold Hill *	
Contact Name: Ben Ransgenfeld		Contact Name:			
Address: Lewis & Associates		Address:		Task Number (Lab Use Only)	
City	State	City	State	City	Zip
Phone: 303-960-5613		Phone:		CAL Task	
Email: Ben @ Lewis & Assoc		Email:		230908056	
Sample Collector: Lewis Perkins				JML	
Sample Collector Phone: 303-447-8705		PO No.:			

Sample Matrix (Select One Only)			No. of Containers	Grab or (Check One Only)	Tests Requested														
Waste Water	Soil	Drinking Water			AS	CD	MN	24	Residue / 105	Sulfate									
4/7/23 4:30 PM					3	X	X	X	X	X									
" 3:45 PM					2	X	X	X	X	X									
" 9:45 AM					2	X	X	X	X	X									
" 10:30 AM					2	X	X	X	X	X									
" 10:50 AM					2	X	X	X	X	X									
" 11:10 AM					2	X	X	X	X	X									
" 11:35 AM					2	X	X	X	X	X									
" 12:15 PM					2	X	X	X	X	X									
" 12:30 PM					2	X	X	X	X	X									
" 1:15 PM					2	X	X	X	X	X									

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

Initials: *JK* Date: *9/8/23*

Seals Present Yes ☐ No ☐

Instructions:		C/S Info:	
see info about left hand creek testing		Deliver Via: <i>HD</i>	
Relinquished By: Lewis Perkins	Date/Time: 9/7/23	Received By: <i>AK</i>	Date/Time: 9/8
Page 15 of 16		Date/Time: 9/8/23	