ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

July 08, 2016

Report to:
Mark Steen
Colorado Milling Company , LLC
PO Box 1523
Longmont, CO 80502

cc: Gordon E. Sweeney

Bill to:
Mark Steen
Colorado Milling Company , LLC
PO Box 1523
Longmont, CO 80502

Project ID:
ACZ Project ID: L31267

Mark Steen:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 24, 2016. This project has been assigned to ACZ's project number, L31267. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L31267. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 07, 2016. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

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Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-MW-1

ACZ Sample ID: ***L31267-01***
Date Sampled: *06/23/16 09:15*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0005	B		mg/L	0.0002	0.001	07/05/16 22:37	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0005	07/05/16 22:37	msh
Manganese, dissolved	M200.7 ICP	1	0.317			mg/L	0.005	0.03	06/30/16 17:04	gss
Zinc, dissolved	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	06/30/16 17:04	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:09	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	1570			mg/L	10	20	06/28/16 12:20	emk
Sulfate	D516-02/-07 - Turbidimetric	50	975		*	mg/L	50	250	07/07/16 13:16	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-MW-5

ACZ Sample ID: ***L31267-02***
Date Sampled: *06/23/16 10:25*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0041			mg/L	0.0002	0.001	07/05/16 22:41	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	07/05/16 22:41	msh
Manganese, dissolved	M200.7 ICP	1	0.013	B		mg/L	0.005	0.03	06/30/16 17:13	gss
Zinc, dissolved	M200.7 ICP	1	0.01	B		mg/L	0.01	0.05	06/30/16 17:13	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:12	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	652			mg/L	10	20	06/28/16 12:23	emk
Sulfate	D516-02/-07 - Turbidimetric	10	334		*	mg/L	10	50	07/07/16 13:14	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-3R LVL POND

ACZ Sample ID: ***L31267-03***
Date Sampled: *06/23/16 08:35*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0007	B		mg/L	0.0002	0.001	07/05/16 22:44	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0005	07/05/16 22:44	msh
Manganese, dissolved	M200.7 ICP	1	0.023	B		mg/L	0.005	0.03	06/30/16 17:16	gss
Zinc, dissolved	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	06/30/16 17:16	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:15	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	1750			mg/L	10	20	06/28/16 12:26	emk
Sulfate	D516-02/-07 - Turbidimetric	50	1150		*	mg/L	50	250	07/07/16 13:16	spl

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Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-CG

ACZ Sample ID: ***L31267-04***
Date Sampled: *06/23/16 11:00*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0002	0.001	07/05/16 22:47	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0009			mg/L	0.0001	0.0005	07/05/16 22:47	msh
Manganese, dissolved	M200.7 ICP	1	0.016	B		mg/L	0.005	0.03	06/30/16 17:19	gss
Zinc, dissolved	M200.7 ICP	1	0.24			mg/L	0.01	0.05	06/30/16 17:19	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:17	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	254			mg/L	10	20	06/28/16 12:28	emk
Sulfate	D516-02/-07 - Turbidimetric	5	138		*	mg/L	5	25	07/07/16 13:08	spl

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Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-W-1

ACZ Sample ID: ***L31267-05***
Date Sampled: *06/23/16 09:25*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/30/16 17:22	gss
Zinc, dissolved	M200.7 ICP	1	0.04	B		mg/L	0.01	0.05	06/30/16 17:22	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:20	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	362			mg/L	10	20	06/28/16 12:34	emk
Sulfate	D516-02/-07 - Turbidimetric	5	184		*	mg/L	5	25	07/07/16 13:08	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-W-2

ACZ Sample ID: ***L31267-06***
Date Sampled: *06/23/16 09:46*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/30/16 17:25	gss
Zinc, dissolved	M200.7 ICP	1	0.16			mg/L	0.01	0.05	06/30/16 17:25	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:23	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	460			mg/L	10	20	06/28/16 12:36	emk
Sulfate	D516-02/-07 - Turbidimetric	10	254		*	mg/L	10	50	07/07/16 13:14	spl

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Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-W-3

ACZ Sample ID: ***L31267-07***
Date Sampled: *06/23/16 09:58*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/30/16 17:28	gss
Zinc, dissolved	M200.7 ICP	1	0.01	B		mg/L	0.01	0.05	06/30/16 17:28	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:26	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	464			mg/L	10	20	06/28/16 12:39	emk
Sulfate	D516-02/-07 - Turbidimetric	5	164		*	mg/L	5	25	07/07/16 13:10	spl

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Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-W-4

ACZ Sample ID: ***L31267-08***
Date Sampled: *06/23/16 10:10*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1	0.009	B		mg/L	0.005	0.03	06/30/16 17:31	gss
Zinc, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	06/30/16 17:31	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:29	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	256			mg/L	10	20	06/28/16 12:41	emk
Sulfate	D516-02/-07 - Turbidimetric	5	72.6		*	mg/L	5	25	07/07/16 13:41	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160623-C MINE

ACZ Sample ID: ***L31267-09***
Date Sampled: *06/23/16 10:40*
Date Received: *06/24/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1	4.240			mg/L	0.005	0.03	06/30/16 17:40	gss
Zinc, dissolved	M200.7 ICP	1	4.24			mg/L	0.01	0.05	06/30/16 17:40	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							06/27/16 12:31	emk
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							06/29/16 14:05	aeb
Residue, Filterable (TDS) @180C	SM2540C	1	1110			mg/L	10	20	06/28/16 12:44	emk
Sulfate	D516-02/-07 - Turbidimetric	20	669		*	mg/L	20	100	07/07/16 13:38	spl

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

Colorado Milling Company, LLC

ACZ Project ID: ***L31267***

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405643													
WG405643ICV	ICV	07/05/16 21:16	MS160601-2	.05		.05232	mg/L	105	90	110			
WG405643ICB	ICB	07/05/16 21:19				U	mg/L		-0.0006	0.0006			
WG405643LFB	LFB	07/05/16 21:22	MS160531-3	.0501		.04983	mg/L	99	85	115			
L31263-03AS	AS	07/05/16 22:16	MS160531-3	.0501	U	.05224	mg/L	104	70	130			
L31263-03ASD	ASD	07/05/16 22:19	MS160531-3	.0501	U	.05215	mg/L	104	70	130	0	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405643													
WG405643ICV	ICV	07/05/16 21:16	MS160601-2	.05		.0495	mg/L	99	90	110			
WG405643ICB	ICB	07/05/16 21:19				U	mg/L		-0.0003	0.0003			
WG405643LFB	LFB	07/05/16 21:22	MS160531-3	.05005		.04932	mg/L	99	85	115			
L31263-03AS	AS	07/05/16 22:16	MS160531-3	.05005	U	.05004	mg/L	100	70	130			
L31263-03ASD	ASD	07/05/16 22:19	MS160531-3	.05005	U	.0506	mg/L	101	70	130	1	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405565													
WG405565ICV	ICV	06/30/16 16:20	II160624-1	2		1.8915	mg/L	95	95	105			
WG405565ICB	ICB	06/30/16 16:25				U	mg/L		-0.015	0.015			
WG405565LFB	LFB	06/30/16 16:37	II160614-2	.5		.4852	mg/L	97	85	115			
L31263-02AS	AS	06/30/16 16:46	II160614-2	.5	U	.4876	mg/L	98	85	115			
L31263-02ASD	ASD	06/30/16 16:49	II160614-2	.5	U	.4861	mg/L	97	85	115	0	20	
L31267-08AS	AS	06/30/16 17:34	II160614-2	.5	.009	.4872	mg/L	96	85	115			
L31267-08ASD	ASD	06/30/16 17:37	II160614-2	.5	.009	.4806	mg/L	94	85	115	1	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405384													
WG405384PBW	PBW	06/28/16 12:00				U	mg/L		-20	20			
WG405384LCSW	LCSW	06/28/16 12:02	PCN51031	260		262	mg/L	101	80	120			
L31267-04DUP	DUP	06/28/16 12:31			254	254	mg/L				0	10	
L31284-03DUP	DUP	06/28/16 13:00			108	102	mg/L				6	10	

Colorado Milling Company, LLC

ACZ Project ID: ***L31267***

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405845													
WG405845ICB	ICB	07/07/16 9:16				U	mg/L		-3	3			
WG405845ICV	ICV	07/07/16 9:16	WI160623-2	20		20.1	mg/L	101	90	110			
WG405845LFB	LFB	07/07/16 12:17	WI160201-3	10.01		10.1	mg/L	101	90	110			
L31264-03AS	AS	07/07/16 13:01	WI160201-3	10.01	21.4	29.8	mg/L	84	90	110			M2
L31264-02DUP	DUP	07/07/16 13:09			750	755	mg/L				1	20	
WG405861													
WG405861ICB	ICB	07/07/16 9:16				U	mg/L		-3	3			
WG405861ICV	ICV	07/07/16 9:16	WI160623-2	20		20.1	mg/L	101	90	110			
WG405861LFB	LFB	07/07/16 13:29	WI160201-3	10.01		10	mg/L	100	90	110			
L31267-09AS	AS	07/07/16 13:38	SO4TURB20X	10	669	686	mg/L	170	90	110			M3
L31267-08DUP	DUP	07/07/16 13:41			72.6	72.9	mg/L				0	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG405565													
WG405565ICV	ICV	06/30/16 16:20	II160624-1	2		1.923	mg/L	96	95	105			
WG405565ICB	ICB	06/30/16 16:25				U	mg/L		-0.03	0.03			
WG405565LFB	LFB	06/30/16 16:37	II160614-2	.4995		.485	mg/L	97	85	115			
L31263-02AS	AS	06/30/16 16:46	II160614-2	.4995	U	.495	mg/L	99	85	115			
L31263-02ASD	ASD	06/30/16 16:49	II160614-2	.4995	U	.483	mg/L	97	85	115	2	20	
L31267-08AS	AS	06/30/16 17:34	II160614-2	.4995	U	.473	mg/L	95	85	115			
L31267-08ASD	ASD	06/30/16 17:37	II160614-2	.4995	U	.468	mg/L	94	85	115	1	20	

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Inorganic Extended Qualifier Report

Colorado Milling Company, LLC ACZ Project ID: ***L31267***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L31267-01	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-02	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-03	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-04	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-05	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-06	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-07	WG405845	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-08	WG405861	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L31267-09	WG405861	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Certification Qualifiers

Colorado Milling Company, LLC ACZ Project ID: ***L31267***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Colorado Milling Company, LLC

ACZ Project ID: L31267
Date Received: 06/24/2016 10:17
Received By: kmo
Date Printed: 6/24/2016

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?			X
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?		X	

The sample matrix was entered per the requested quotation.

7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?	X		

A change was made in the ID Line 9 section prior to ACZ custody.

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4286	5.8	<=6.0	14	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Colorado Milling Company, LLC

ACZ Project ID:	L31267
Date Received:	06/24/2016 10:17
Received By:	kmo
Date Printed:	6/24/2016

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

June 23, 2016 testing water well samples

ACZ Laboratories, Inc. L31267

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Mark. A. Steen	Address: P.O. Box 1523
Company: Colorado milling Company	Longmont, Colo
E-mail: goldtontine@gmail.com	Telephone:

Copy of Report to:

Name: Gordon Sweeney	E-mail: gordonesweeney@gmail.com
Company: CMC LLC	Telephone: 303-440-0633

Invoice to:

Name: Mark A. Steen	Address: P.O. Box 1523
Company: Colo milling Co. LLC	Longmont, Colo
E-mail: goldtontine@gmail.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [X] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Lewis PERKINS Sampler's Site Information State Colo Zip code 80302 Time Zone MDT

*Sampler's Signature: Lewis Perkins

*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

Quote #:

PO#:

Reporting state for compliance testing: Colorado

Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TDS SOL Fate						
0160623 - MW-1	6/23/16 9:15 AM	3		X						
0160623 - MW-5	" 10:25	3		X						
0160623 - 3R LVL POND	" 8:35	3		X						
0160623 - CG	" 11:00 AM	3		X						
0160623 - W-1	6/23/16 9:25 AM	3		X						
0160623 - W-2	" 9:46 "	3		X						
0160623 - W-3	" 9:58 "	3		X						
0160623 - W-4	" 10:10 "	3		X						
0160623 - C MINE	" 10:40 "	3		X						

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Call Gordon Sweeney @ 303-442-1062 for the metals to be analyzed for.
all samples are Raw, Filter as needed

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Lewis Perkins	6/23/16 3:10 PM	U.P.S Frontier Me	06/23/16 3:10 PM
			6/24/16 1017

L31267 Chain of Custody

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Bottle Order Packing List

Account: COMILL/Colorado Milling Company,
Bottle Order: BO35518

Bill to Account: Bill to ACZ
Ship Date Requested: 06/08/2016
Request Placed at: 06/07/2016 09:18
Service Requested: UPS Ground

Sampling supplies

PACK	Qty	ACZ ID	Type	Description
	1	COC	Chain of Custody	Chain of Custody, 1 for 10 samples.
	2	SEAL	Custody Seal	Custody seals for cooler, two for each cooler.
	1	RETURN	Return Address	Return Address label, one for each cooler.
	27	LABELS	Sample Labels	ACZ supplied labels for sample containers

ACZ Coolers

PACK	Qty	ACZ ID	Size	Weight	UPS Tracking Number
	1	4286	Large	11	1Z8101300375098266

Quote number: GOLD-HILL-MINE-14
Sample Quantity: 9

Quarterly Groundwater Quality Monitoring - 2014

ACZ is responsible for necessary sample filtering

PACK	Qty	Type	Size	Filter/Raw/Preserve	Instructions
	1	GREEN PC	125 ML	Green pre-cleaned Filtered/Nitiric	Metals (dissolved including ICPMS) - This is a filtered sample. Completely fill container.
	1	RAW	500 ML	Raw	Wet Chemistry (analyses that do not require preservative or filtration) - Completely fill container.
	1	WHITE	250 ML	Filtered	Wet chemistry (dissolved) - This is a filtered sample. Completely fill container.

Prepared By/Date: _____

sw