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

Analytical Report

April 13, 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: L29665

Mark Steen:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 31, 2016. This project has been assigned to ACZ's project number, L29665. 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 L29665. 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 May 13, 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.

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-MW1

ACZ Sample ID: ***L29665-01***
Date Sampled: *03/29/16 10:00*
Date Received: *03/31/16*
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		U		mg/L	0.0002	0.001	04/12/16 15:09	mfm
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	04/12/16 15:09	mfm
Manganese, dissolved	M200.7 ICP	1	0.342			mg/L	0.005	0.03	04/04/16 14:30	gss
Zinc, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	04/04/16 14:30	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:22	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	1530			mg/L	10	20	03/31/16 16:37	abd
Sulfate	D516-02/-07 - Turbidimetric	50	950			mg/L	50	250	04/07/16 11:45	spl

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

Inorganic Analytical Results

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-MW5

ACZ Sample ID: ***L29665-02***
Date Sampled: *03/29/16 11:30*
Date Received: *03/31/16*
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	0.0052			mg/L	0.0002	0.001	04/12/16 15:18	mfm
Cadmium, dissolved	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	04/12/16 15:18	mfm
Manganese, dissolved	M200.7 ICP	1	0.037			mg/L	0.005	0.03	04/04/16 14:39	gss
Zinc, dissolved	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	04/04/16 14:39	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:25	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	634			mg/L	10	20	03/31/16 16:38	abd
Sulfate	D516-02/-07 - Turbidimetric	10	318			mg/L	10	50	04/07/16 11:44	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-3RD LVL

ACZ Sample ID: ***L29665-03***
Date Sampled: *03/29/16 11:55*
Date Received: *03/31/16*
Sample Matrix: *Surface Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0006	B		mg/L	0.0002	0.001	04/12/16 15:27	mfm
Cadmium, dissolved	M200.8 ICP-MS	1	0.0084			mg/L	0.0001	0.0005	04/12/16 15:27	mfm
Manganese, dissolved	M200.7 ICP	1	2.210		*	mg/L	0.005	0.03	04/05/16 11:04	aeb
Zinc, dissolved	M200.7 ICP	1	2.99		*	mg/L	0.01	0.05	04/04/16 18:24	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:28	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	946			mg/L	10	20	04/01/16 13:58	sck
Sulfate	D516-02/-07 - Turbidimetric	20	538		*	mg/L	20	100	04/07/16 12:59	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-CG

ACZ Sample ID: ***L29665-04***
Date Sampled: *03/29/16 12:30*
Date Received: *03/31/16*
Sample Matrix: *Surface Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0002	0.001	04/12/16 15:30	mfm
Cadmium, dissolved	M200.8 ICP-MS	1	0.0013			mg/L	0.0001	0.0005	04/12/16 15:30	mfm
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	04/05/16 11:07	aeb
Zinc, dissolved	M200.7 ICP	1	0.39		*	mg/L	0.01	0.05	04/04/16 18:27	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:31	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	392			mg/L	10	20	04/01/16 14:04	sck
Sulfate	D516-02/-07 - Turbidimetric	10	232		*	mg/L	10	50	04/07/16 13:22	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-W1

ACZ Sample ID: ***L29665-05***
Date Sampled: *03/29/16 10:15*
Date Received: *03/31/16*
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	04/04/16 14:42	gss
Zinc, dissolved	M200.7 ICP	1	0.02	B		mg/L	0.01	0.05	04/04/16 14:42	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:34	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	328			mg/L	10	20	03/31/16 16:39	abd
Sulfate	D516-02/-07 - Turbidimetric	5	164		*	mg/L	5	25	04/07/16 12:55	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-W2

ACZ Sample ID: ***L29665-06***
Date Sampled: *03/29/16 10:25*
Date Received: *03/31/16*
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	04/04/16 14:45	gss
Zinc, dissolved	M200.7 ICP	1	0.15			mg/L	0.01	0.05	04/04/16 14:45	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:37	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	448			mg/L	10	20	04/01/16 14:06	sck
Sulfate	D516-02/-07 - Turbidimetric	10	236			mg/L	10	50	04/07/16 13:24	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-W3

ACZ Sample ID: ***L29665-07***
Date Sampled: *03/29/16 10:45*
Date Received: *03/31/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1	0.007	B		mg/L	0.005	0.03	04/04/16 14:48	gss
Zinc, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	04/04/16 14:48	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:40	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	446			mg/L	10	20	04/01/16 14:09	sck
Sulfate	D516-02/-07 - Turbidimetric	5	158			mg/L	5	25	04/07/16 13:46	spl

Colorado Milling Company, LLC
Project ID:
Sample ID: 0160329-W4

ACZ Sample ID: ***L29665-08***
Date Sampled: *03/29/16 11:00*
Date Received: *03/31/16*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Manganese, dissolved	M200.7 ICP	1	0.223			mg/L	0.005	0.03	04/04/16 14:51	gss
Zinc, dissolved	M200.7 ICP	1		U		mg/L	0.01	0.05	04/04/16 14:51	gss

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/01/16 11:44	sck
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A	1							03/31/16 15:30	gss
Residue, Filterable (TDS) @180C	SM2540C	1	450			mg/L	10	20	04/01/16 14:11	sck
Sulfate	D516-02/-07 - Turbidimetric	5	157			mg/L	5	25	04/07/16 13:46	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: ***L29665***

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG401168													
WG401168ICV	ICV	04/12/16 14:08	MS160302-3	.05		.052	mg/L	104	90	110			
WG401168ICB	ICB	04/12/16 14:11				U	mg/L		-0.0006	0.0006			
WG401168LFB	LFB	04/12/16 14:15	MS160303-3	.0501		.05263	mg/L	105	85	115			
L29665-01AS	AS	04/12/16 15:12	MS160303-3	.0501	U	.05277	mg/L	105	70	130			
L29665-01ASD	ASD	04/12/16 15:15	MS160303-3	.0501	U	.05622	mg/L	112	70	130	6	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG401168													
WG401168ICV	ICV	04/12/16 14:08	MS160302-3	.05		.05268	mg/L	105	90	110			
WG401168ICB	ICB	04/12/16 14:11				U	mg/L		-0.0003	0.0003			
WG401168LFB	LFB	04/12/16 14:15	MS160303-3	.05005		.05195	mg/L	104	85	115			
L29665-01AS	AS	04/12/16 15:12	MS160303-3	.05005	U	.05079	mg/L	101	70	130			
L29665-01ASD	ASD	04/12/16 15:15	MS160303-3	.05005	U	.05089	mg/L	102	70	130	0	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG400922													
WG400922ICV	ICV	04/04/16 13:09	II160209-1	2		1.9272	mg/L	96	95	105			
WG400922ICB	ICB	04/04/16 13:15				U	mg/L		-0.015	0.015			
WG400922LFB	LFB	04/04/16 13:27	II160319-2	.5		.4948	mg/L	99	85	115			
L29662-02AS	AS	04/04/16 14:18	II160319-2	.5	.471	.942	mg/L	94	85	115			
L29662-02ASD	ASD	04/04/16 14:21	II160319-2	.5	.471	.949	mg/L	96	85	115	1	20	
WG400959													
WG400959ICV	ICV	04/05/16 10:05	II160325-1	2		1.9072	mg/L	95	95	105			
WG400959ICB	ICB	04/05/16 10:11				U	mg/L		-0.015	0.015			
WG400959LFB	LFB	04/05/16 10:23	II160319-2	.5		.4727	mg/L	95	85	115			
L29664-02AS	AS	04/05/16 10:41	II160319-2	2.5	53.1	54.8	mg/L	68	85	115			M3
L29664-02ASD	ASD	04/05/16 10:44	II160319-2	2.5	53.1	54.95	mg/L	74	85	115	0	20	M3
L29666-03AS	AS	04/05/16 11:19	II160319-2	.5	.065	.533	mg/L	94	85	115			
L29666-03ASD	ASD	04/05/16 11:22	II160319-2	.5	.065	.5297	mg/L	93	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
WG400847													
WG400847PBW	PBW	03/31/16 16:15				U	mg/L		-20	20			
WG400847LCSW	LCSW	03/31/16 16:16	PCN50247	260		252	mg/L	97	80	120			
L29675-03DUP	DUP	03/31/16 16:44			5300	5280	mg/L				0	10	
WG400891													
WG400891PBW	PBW	04/01/16 13:30				U	mg/L		-20	20			
WG400891LCSW	LCSW	04/01/16 13:32	PCN50247	260		270	mg/L	104	80	120			
L29665-03DUP	DUP	04/01/16 14:01			946	946	mg/L				0	10	
L29695-01DUP	DUP	04/01/16 14:30			164	164	mg/L				0	10	

Colorado Milling Company, LLC

ACZ Project ID: ***L29665***

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG401096													
WG401096ICB	ICB	04/07/16 10:26				U	mg/L		-3	3			
WG401096ICV	ICV	04/07/16 10:26	WI160328-2	20		20.3	mg/L	102	90	110			
WG401096LFB	LFB	04/07/16 10:48	WI160201-3	10.01		9.1	mg/L	91	90	110			
L29624-01AS	AS	04/07/16 11:29	WI160201-3	10.01	21.2	31.8	mg/L	106	90	110			
L29617-01DUP	DUP	04/07/16 11:44			1900	1960	mg/L				3	20	
WG401107													
WG401107ICB	ICB	04/07/16 10:26				U	mg/L		-3	3			
WG401107ICV	ICV	04/07/16 10:26	WI160328-2	20		20.3	mg/L	102	90	110			
WG401107LFB	LFB	04/07/16 12:47	WI160201-3	10.01		9.3	mg/L	93	90	110			
L29575-01DUP	DUP	04/07/16 13:22			307	304	mg/L				1	20	
L29664-01AS	AS	04/07/16 13:24	SO4TURB50X	10	1770	1730	mg/L	-400	90	110			M3
L29665-07DUP	DUP	04/07/16 13:46			158	157	mg/L				1	20	
L29665-08AS	AS	04/07/16 13:47	SO4TURB5X	10	157	166	mg/L	90	90	110			

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG400922													
WG400922ICV	ICV	04/04/16 13:09	II160209-1	2		1.94	mg/L	97	95	105			
WG400922ICB	ICB	04/04/16 13:15				U	mg/L		-0.03	0.03			
WG400922LFB	LFB	04/04/16 13:27	II160319-2	.4995		.51	mg/L	102	85	115			
L29662-02AS	AS	04/04/16 14:18	II160319-2	.4995	U	.496	mg/L	99	85	115			
L29662-02ASD	ASD	04/04/16 14:21	II160319-2	.4995	U	.5	mg/L	100	85	115	1	20	
WG400926													
WG400926ICV	ICV	04/04/16 17:27	II160209-1	2		1.895	mg/L	95	95	105			
WG400926ICB	ICB	04/04/16 17:33				U	mg/L		-0.03	0.03			
WG400926LFB	LFB	04/04/16 17:46	II160319-2	.4995		.522	mg/L	105	85	115			
L29664-02AS	AS	04/04/16 17:59	II160319-2	2.4975	16.4	17.845	mg/L	66	85	115			M3
L29664-02ASD	ASD	04/04/16 18:02	II160319-2	2.4975	16.4	18.64	mg/L	98	85	115	4	20	

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

Inorganic Extended Qualifier Report

Colorado Milling Company, LLC ACZ Project ID: ***L29665***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L29665-03	WG400959	Manganese, dissolved	M200.7 ICP	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.
	WG400926	Zinc, dissolved	M200.7 ICP	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.
	WG401107	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.
L29665-04	WG400926	Zinc, dissolved	M200.7 ICP	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.
	WG401107	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.
L29665-05	WG401107	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: ***L29665***

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: L29665
Date Received: 03/31/2016 10:00
Received By: ddp
Date Printed: 3/31/2016

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		
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 10, Date:Time Line 3 and ID Line 2 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

The 'Relinquished By' field on the COC was not completed. The project manager is contacting the client.

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4290	5.8	<=6.0	16	Yes

Was ice present in the shipment container(s)?

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

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

Sample Receipt

Colorado Milling Company, LLC

ACZ Project ID:	L29665
Date Received:	03/31/2016 10:00
Received By:	ddp
Date Printed:	3/31/2016

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

[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), $Na_2S_2O_3$ preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L29665

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

CHAIN of CUSTODY

Report to:

Name: MARK A STEEN	Address: PO Box 1523
Company: Gold Milling Co, LLC	Longmont, CO
E-mail: goldtontine@gmail.com	Telephone:

Copy of Report to:

Name: Gordon Sweeney	E-mail: gordonesweeney@gmail.com
Company: CMC, LLC.	Telephone: 303-440-8633

Invoice to:

Name: MARK A. STEEN	Address: P.O. Box 1523
Company: Gold Milling Co, LLC.	Longmont, CO
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** CO **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 SULFATE				
0160329-MW1	3/29/16 10:00	GW	3				X				
0160329-MW3	" 11:30	GW	3				X				
0160329-3RLVL	" 11:35	SW	3				X				
0160329-CG	" 12:30	SW	3				X				
0160329-W1	" 10:15	GW	3				X				
0160329-W2	" 10:25	GW	3				X				
0160329-W3	" 10:45	GW	3				X				
0160329-W4	" 11:00	GW	3				X				
~~0160329-A~~	~~" 10:30~~	~~SW~~	~~3~~			FROZEN	~~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 AT 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
	03/30/2016	U.P.S Overnight	03/30/16 3:45
		MPL	3/31/16 1000

L29665 Chain of Custody