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

Analytical Report

April 07, 2020

Report to:
Jake Wilkinson
CRG Mining, LLC
510 S Wisconsin St
Gunnison, CO 80231

Bill to:
Jake Wilkinson
CRG Mining, LLC
510 S Wisconsin St
Gunnison, CO 80231

DRMS Received: 04/08/2020

Project ID: Raymond/Carter Waste rock anal
ACZ Project ID: L57826

Jake Wilkinson:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 06, 2020. This project has been assigned to ACZ's project number, L57826. 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 L57826. 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 07, 2020. 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.

Max Janicek has reviewed and approved this report.

CRG Mining, LLC
Project ID: Raymond/Carter Waste rock analysis
Sample ID: RAYMOND MINE WASTE ROCK

ACZ Sample ID: ***L57826-01***
Date Sampled: *03/05/20 13:00*
Date Received: *03/06/20*
Sample Matrix: *Soil*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Total Hot Plate Digestion	M3010A ICP-MS				*				03/18/20 15:43	mfm
Total Hot Plate Digestion	M3010A ICP				*				03/17/20 18:16	kja

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312-DI)	M6010D ICP	2	0.8		*	mg/L	0.1	0.5	03/18/20 20:08	kja
Antimony (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0008	0.004	03/23/20 14:09	mfm
Arsenic (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0004	0.002	03/23/20 14:09	mfm
Barium (1312-DI)	M6010D ICP	2	0.09		*	mg/L	0.01	0.07	03/18/20 20:08	kja
Beryllium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0002	0.0005	03/23/20 14:09	mfm
Boron (1312-DI)	M6010D ICP	2	0.06	B	*	mg/L	0.04	0.2	03/18/20 20:08	kja
Cadmium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0001	0.0005	03/23/20 14:09	mfm
Chromium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.001	0.004	03/23/20 14:09	mfm
Cobalt (1312-DI)	M6010D ICP	2		U	*	mg/L	0.02	0.1	03/18/20 20:08	kja
Copper (1312-DI)	M6010D ICP	2		U	*	mg/L	0.02	0.1	03/18/20 20:08	kja
Iron (1312-DI)	M6010D ICP	2	0.17	B	*	mg/L	0.06	0.2	03/19/20 20:41	kja
Lead (1312-DI)	M6020B ICP-MS	2	0.0014		*	mg/L	0.0002	0.001	03/23/20 14:09	mfm
Lithium (1312-DI)	M6010D ICP	2	0.02	B	*	mg/L	0.02	0.08	03/18/20 20:08	kja
Manganese (1312-DI)	M6010D ICP	2		U	*	mg/L	0.02	0.1	03/18/20 20:08	kja
Mercury, (1312-DI)	M7470A CVAA	1		U	*	mg/L	0.0002	0.001	03/18/20 15:41	slm
Molybdenum (1312-DI)	M6010D ICP	2		U	*	mg/L	0.04	0.2	03/18/20 20:08	kja
Nickel (1312-DI)	M6010D ICP	2		U	*	mg/L	0.02	0.08	03/18/20 20:08	kja
Selenium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0002	0.0005	03/23/20 14:09	mfm
Silver (1312-DI)	M6010D ICP	2		U	*	mg/L	0.02	0.05	03/18/20 20:08	kja
Thallium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0002	0.001	03/23/20 14:09	mfm
Uranium (1312-DI)	M6020B ICP-MS	2		U	*	mg/L	0.0002	0.001	03/23/20 14:09	mfm
Vanadium (1312-DI)	M6010D ICP	2		U	*	mg/L	0.01	0.05	03/19/20 20:41	kja
Zinc (1312-DI)	M6010D ICP	2	0.04	B	*	mg/L	0.02	0.1	03/18/20 20:08	kja

Soil Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 3.2.4			U		t CaCO3/Kt	0.31	3.1	04/07/20 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3		10.0			t CaCO3/Kt	1	5	04/07/20 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3		10.0			t CaCO3/Kt			04/07/20 0:00	calc
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	1	1.0		*	%	0.1	0.5	03/20/20 12:43	nnk
pH, (1312-DI)	M9045D/M9040C									
pH		1	9.1			units	0.1	0.1	03/17/20 0:00	cra
Temperature		1	20.1			C	0.1	0.1	03/17/20 0:00	cra
Sulfur, total	ASTM D-4239-85C, LECO Furnace	1		U	*	%	0.01	0.1	03/20/20 14:06	llr

CRG Mining, LLC
Project ID: Raymond/Carter Waste rock analysis
Sample ID: RAYMOND MINE WASTE ROCK

ACZ Sample ID: ***L57826-01***
Date Sampled: *03/05/20 13:00*
Date Received: *03/06/20*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972								03/11/20 16:20	jms
Crush and Pulverize (Ring & Puck)	EPA-600/2-78-054 3.1.3								03/19/20 18:14	jms
Synthetic Precip. Leaching Procedure	M1312, DI Water		8.10						03/17/20 2:57	llr

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride (1312 DI)	SM4500Cl-E	1		U	*	mg/L	0.5	2	03/30/20 15:50	rbt
Fluoride (1312 DI)	SM4500F-C	1		U	*	mg/L	0.1	0.4	03/25/20 14:09	emk
Nitrate (1312 DI)	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	04/07/20 0:00	calc
Nitrate/Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	03/18/20 23:15	pjb
Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	03/18/20 23:15	pjb
Residue, Filterable (TDS) @180C (1312)	SM2540C	1		U	*	mg/L	20	40	03/20/20 15:55	eep
Sulfate (1312 DI)	SM4500 SO4-D	1		U	*	mg/L	20	50	03/24/20 16:48	jck

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:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Aluminum (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.993	mg/L	100	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.15	0.15			
WG493616PBS	PBS	03/18/20 20:00				.052	mg/L		-0.15	0.15			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	1.0012		1.097	mg/L	110	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	2.0038	.8	2.98	mg/L	109	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	2.0038	.8	3.14	mg/L	117	75	125	5	20	
L57826-01DUP	DUP	03/18/20 20:23			.8	.79	mg/L				1	20	RA

Antimony (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.02004		.01977	mg/L	99	90	110			
WG494138ICB	ICB	03/23/20 13:55				.00049	mg/L		-0.0012	0.0012			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0012	0.0012			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.01		.01032	mg/L	103	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.02002	U	.02043	mg/L	102	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.02002	U	.02024	mg/L	101	75	125	1	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

Arsenic (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.04841	mg/L	97	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.0006	0.0006			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0006	0.0006			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05005		.04862	mg/L	97	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1002	U	.09307	mg/L	93	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1002	U	.09075	mg/L	91	75	125	3	20	
L57826-01DUP	DUP	03/23/20 14:17			U	.00056	mg/L				200	20	RA

Barium (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.938	mg/L	97	90	110			
WG493807ICB	ICB	03/18/20 19:37				.0105	mg/L		-0.021	0.021			
WG493616PBS	PBS	03/18/20 20:00				.0105	mg/L		-0.021	0.021			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.5005		.5234	mg/L	105	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1.003	.09	1.128	mg/L	103	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1.003	.09	1.099	mg/L	101	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			.09	.115	mg/L				24	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.050032	mg/L	100	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.00024	0.00024			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.00024	0.00024			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05005		.049215	mg/L	98	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1001	U	.09749	mg/L	97	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1001	U	.09715	mg/L	97	75	125	0	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

Boron (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.965	mg/L	98	90	110			
WG493807ICB	ICB	03/18/20 19:37				.028	mg/L		-0.06	0.06			
WG493616PBS	PBS	03/18/20 20:00				.031	mg/L		-0.06	0.06			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.5005		.569	mg/L	114	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1.001	.06	1.115	mg/L	105	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1.001	.06	1.095	mg/L	103	75	125	2	20	
L57826-01DUP	DUP	03/18/20 20:23			.06	.047	mg/L				24	20	RA

Cadmium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.049636	mg/L	99	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.00015	0.00015			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.00015	0.00015			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05005		.048811	mg/L	98	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1001	U	.09579	mg/L	96	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1001	U	.09487	mg/L	95	75	125	1	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

Chloride (1312 DI) SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494583													
WG494583ICB	ICB	03/30/20 15:39				U	mg/L		-1.5	1.5			
WG494583ICV	ICV	03/30/20 15:39	WI190501-1	54.835		54.99	mg/L	100	90	110			
WG494583LFB	LFB	03/30/20 15:50	WI200327-3	30.03		32.56	mg/L	108	90	110			
WG493616PBS	PBS	03/30/20 15:50				U	mg/L		-1.5	1.5			
L57826-01AS	AS	03/30/20 15:50	WI200327-3	30.03	U	33.63	mg/L	112	90	110			M1
L57826-01DUP	DUP	03/30/20 15:50			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chromium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.05062	mg/L	101	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.0015	0.0015			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0015	0.0015			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05005		.04856	mg/L	97	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1001	U	.0935	mg/L	93	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1001	U	.0912	mg/L	91	75	125	2	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

Cobalt (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2.002		1.902	mg/L	95	90	110			
WG493807ICB	ICB	03/18/20 19:37				.011	mg/L		-0.03	0.03			
WG493616PBS	PBS	03/18/20 20:00				.011	mg/L		-0.03	0.03			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.5		.532	mg/L	106	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1.005	U	1.046	mg/L	104	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1.005	U	1.019	mg/L	101	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			U	U	mg/L				0	20	RA

Copper (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.918	mg/L	96	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.03	0.03			
WG493616PBS	PBS	03/18/20 20:00				U	mg/L		-0.03	0.03			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.502		.533	mg/L	106	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1	U	1.076	mg/L	108	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1	U	1.04	mg/L	104	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			U	.021	mg/L				200	20	RA

Fluoride (1312 DI) SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494330													
WG494330ICV	ICV	03/25/20 13:49	WC200319-2	2.004		2.08	mg/L	104	90	110			
WG494330ICB	ICB	03/25/20 13:54				U	mg/L		-0.3	0.3			
WG494330LFB	LFB	03/25/20 14:00	WC191014-1	5.01		5.02	mg/L	100	90	110			
WG493616PBS	PBS	03/25/20 14:06				U	mg/L		-0.3	0.3			
L57826-01AS	AS	03/25/20 14:13	WC191014-1	5.01	U	4.89	mg/L	98	90	110			
L57826-01DUP	DUP	03/25/20 14:16			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493905													
WG493905ICV	ICV	03/19/20 20:05	II200318-6	2		1.922	mg/L	96	90	110			
WG493905ICB	ICB	03/19/20 20:09				U	mg/L		-0.09	0.09			
WG493616PBS	PBS	03/19/20 20:33				U	mg/L		-0.09	0.09			
WG493616LFB1	LFB	03/19/20 20:37	II200302-4	1.0018		1.013	mg/L	101	80	120			
L57826-01MS2	MS	03/19/20 20:49	II2XWATER	2.0022	.17	2.168	mg/L	100	75	125			
L57826-01MSD2	MSD	03/19/20 20:53	II2XWATER	2.0022	.17	2.266	mg/L	105	75	125	4	20	
L57826-01DUP	DUP	03/19/20 20:57			.17	.169	mg/L				1	20	RA

Lead (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.05251	mg/L	105	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.0003	0.0003			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0003	0.0003			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05005		.04876	mg/L	97	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1001	.0014	.09567	mg/L	94	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1001	.0014	.0984	mg/L	97	75	125	3	20	
L57826-01DUP	DUP	03/23/20 14:17			.0014	.00165	mg/L				16	20	RA

Lithium (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.999	mg/L	100	90	110			
WG493807ICB	ICB	03/18/20 19:37				.0092	mg/L		-0.024	0.024			
WG493616PBS	PBS	03/18/20 20:00				.0091	mg/L		-0.024	0.024			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	1.002		1.096	mg/L	109	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	2.002	.02	2.208	mg/L	109	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	2.002	.02	2.164	mg/L	107	75	125	2	20	
L57826-01DUP	DUP	03/18/20 20:23			.02	.022	mg/L				10	20	RA

Manganese (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.893	mg/L	95	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.03	0.03			
WG493616PBS	PBS	03/18/20 20:00				U	mg/L		-0.03	0.03			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.5015		.54	mg/L	108	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1	U	1.087	mg/L	109	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1	U	1.059	mg/L	106	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, (1312-DI) M7470A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493700													
WG493700ICV	ICV	03/18/20 11:46	HG200224-3	.004995		.00486	mg/L	97	95	105			
WG493700ICB	ICB	03/18/20 11:47				U	mg/L		-0.0002	0.0002			
WG493735													
WG493735LFB	LFB	03/18/20 15:39	HG200313-3	.002002		.00201	mg/L	100	85	115			
WG493616PBS	PBS	03/18/20 15:40				U	mg/L		-0.0006	0.0006			
L57826-01MS	MS	03/18/20 15:42	HG200313-3	.002002	U	.00203	mg/L	101	85	115			
L57826-01MSD	MSD	03/18/20 15:43	HG200313-3	.002002	U	.00202	mg/L	101	85	115	0	20	
L57826-01DUP	DUP	03/18/20 15:44			U	U	mg/L				0	20	RA

Molybdenum (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.901	mg/L	95	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.06	0.06			
WG493616PBS	PBS	03/18/20 20:00				U	mg/L		-0.06	0.06			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.4995		.524	mg/L	105	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1.003	U	1.053	mg/L	105	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1.003	U	1.015	mg/L	101	75	125	4	20	
L57826-01DUP	DUP	03/18/20 20:23			U	U	mg/L				0	20	RA

Neutralization Potential as CaCO3 M600/2-78-054 3.2.3

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493971													
L57826-01DUP	DUP	03/20/20 12:55			1	1	%				0	20	
L57826-01MS	MS	03/20/20 13:08	SI190303-1	1	1	1.9	%	90	70	130			
WG493971LCSS	LCSS	03/20/20 16:20	PCN59683	4.96		5.15	%	104	80	120			
WG493971PBS	PBS	03/20/20 16:32				U	%		-0.2	0.2			

Nickel (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.973	mg/L	99	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.024	0.024			
WG493616PBS	PBS	03/18/20 20:00				U	mg/L		-0.024	0.024			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.501		.5327	mg/L	106	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	.999	U	1.066	mg/L	107	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	.999	U	1.033	mg/L	103	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrate/Nitrite as N (1312-DI) M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493853													
WG493853ICV	ICV	03/18/20 22:13	WI200213-7	2.416		2.509	mg/L	104	90	110			
WG493853ICB	ICB	03/18/20 22:14				U	mg/L		-0.02	0.02			
WG493855													
WG493855LFB	LFB	03/18/20 23:13	WI191004-3	2		1.986	mg/L	99	90	110			
WG493616PBS	PBS	03/18/20 23:14				U	mg/L		-0.02	0.02			
L57826-01AS	AS	03/18/20 23:17	WI191004-3	2	U	2.092	mg/L	105	90	110			
L57826-01DUP	DUP	03/18/20 23:18			U	U	mg/L				0	20	RA

Nitrite as N (1312-DI) M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493853													
WG493853ICV	ICV	03/18/20 22:13	WI200213-7	.609		.617	mg/L	101	90	110			
WG493853ICB	ICB	03/18/20 22:14				U	mg/L		-0.01	0.01			
WG493855													
WG493855LFB	LFB	03/18/20 23:13	WI191004-3	1		.991	mg/L	99	90	110			
WG493616PBS	PBS	03/18/20 23:14				U	mg/L		-0.01	0.01			
L57826-01AS	AS	03/18/20 23:17	WI191004-3	1	U	1.026	mg/L	103	90	110			
L57826-01DUP	DUP	03/18/20 23:18			U	U	mg/L				0	20	RA

Ph M9045D/M9040C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG495013													
WG495013ICV	ICV	03/17/20 11:45	PCN58541	4		4	units	100	3.9	4.1			

Residue, Filterable (TDS) @180C (1312) SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494043													
WG494043PBW	PBW	03/20/20 15:30				U	mg/L		-20	20			
WG494043LCSW	LCSW	03/20/20 15:38	PCN60947	1000		978	mg/L	98	80	120			
WG493616PBS	PBS	03/20/20 15:47				U	mg/L		-40	40			
L57826-01DUP	DUP	03/20/20 16:04			U	U	mg/L				0	10	RA

Selenium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.05094	mg/L	102	90	110			
WG494138ICB	ICB	03/23/20 13:55				.00011	mg/L		-0.0003	0.0003			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0003	0.0003			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05		.04863	mg/L	97	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1003	U	.09366	mg/L	93	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1003	U	.09159	mg/L	91	75	125	2	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Silver (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	1		.983	mg/L	98	90	110			
WG493807ICB	ICB	03/18/20 19:37				U	mg/L		-0.03	0.03			
WG493616PBS	PBS	03/18/20 20:00				U	mg/L		-0.03	0.03			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.5005		.512	mg/L	102	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	1	U	1.038	mg/L	104	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	1	U	1.012	mg/L	101	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			U	U	mg/L				0	20	RA

Sulfate (1312 DI) SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494249													
WG494249PBW	PBW	03/24/20 16:21				U	mg/L		-60	60			
WG494249LCSW	LCSW	03/24/20 16:30	WC190603-2	100		89	mg/L	89	80	120			
WG493616PBS	PBS	03/24/20 16:39				U	mg/L		-60	60			
L57826-01DUP	DUP	03/24/20 16:58			U	U	mg/L				0	20	RA

Sulfur, total ASTM D-4239-85C, LECO Furnace

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493949													
WG493949PBS	PBS	03/20/20 13:51				U	%		-0.03	0.03			
WG493949LCSS	LCSS	03/20/20 13:55	PCN60872	4.01		3.35	%	84	80	120			
L57826-01MS	MS	03/20/20 14:09	PCN60251	1.32	U	1.3	%	98	80	120			
L57826-01DUP	DUP	03/20/20 14:13			U	U	%				0	20	RA
WG493949LCSS	LCSS	03/20/20 14:16	PCN60872	4.01		3.4	%	85	80	120			

Thallium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.05215	mg/L	104	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.0003	0.0003			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0003	0.0003			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.0501		.04809	mg/L	96	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1002	U	.09132	mg/L	91	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1002	U	.09462	mg/L	94	75	125	4	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

Uranium (1312-DI) M6020B ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG494138													
WG494138ICV	ICV	03/23/20 13:53	MS200210-2	.05		.05295	mg/L	106	90	110			
WG494138ICB	ICB	03/23/20 13:55				U	mg/L		-0.0003	0.0003			
WG493616PBS	PBS	03/23/20 14:06				U	mg/L		-0.0003	0.0003			
WG493616LFB2	LFB	03/23/20 14:08	MS200120-3	.05		.04902	mg/L	98	80	120			
L57826-01MS1	MS	03/23/20 14:13	MS2XW	.1	U	.0935	mg/L	94	75	125			
L57826-01MSD1	MSD	03/23/20 14:15	MS2XW	.1	U	.09653	mg/L	97	75	125	3	20	
L57826-01DUP	DUP	03/23/20 14:17			U	U	mg/L				0	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Vanadium (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493905													
WG493905ICV	ICV	03/19/20 20:05	II200318-6	2		1.953	mg/L	98	90	110			
WG493905ICB	ICB	03/19/20 20:09				U	mg/L		-0.015	0.015			
WG493616PBS	PBS	03/19/20 20:33				U	mg/L		-0.015	0.015			
WG493616LFB1	LFB	03/19/20 20:37	II200302-4	.4995		.5062	mg/L	101	80	120			
L57826-01MS2	MS	03/19/20 20:49	II2XWATER	.997	U	1.002	mg/L	101	75	125			
L57826-01MSD2	MSD	03/19/20 20:53	II2XWATER	.997	U	1.025	mg/L	103	75	125	2	20	
L57826-01DUP	DUP	03/19/20 20:57			U	U	mg/L				0	20	RA

Zinc (1312-DI) M6010D ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG493807													
WG493807ICV	ICV	03/18/20 19:34	II200318-6	2		1.918	mg/L	96	90	110			
WG493807ICB	ICB	03/18/20 19:37				.011	mg/L		-0.03	0.03			
WG493616PBS	PBS	03/18/20 20:00				.011	mg/L		-0.03	0.03			
WG493616LFB1	LFB	03/18/20 20:04	II200302-4	.50075		.562	mg/L	112	80	120			
L57826-01MS2	MS	03/18/20 20:15	II2XWATER	.9884	.04	1.096	mg/L	107	75	125			
L57826-01MSD2	MSD	03/18/20 20:19	II2XWATER	.9884	.04	1.062	mg/L	103	75	125	3	20	
L57826-01DUP	DUP	03/18/20 20:23			.04	.022	mg/L				58	20	RA

CRG Mining, LLC

ACZ Project ID: ***L57826***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L57826-01	WG493807	Aluminum (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494138	Antimony (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Arsenic (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Barium (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M6010D ICP	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG494138	Beryllium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Boron (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M6010D ICP	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG494138	Cadmium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494583	Chloride (1312 DI)	SM4500Cl-E	HD	Analysis is outside the intended scope of the method, which does not provide hold time information for soil extracts. No hold time is observed for collection to extraction. The referenced method hold time is observed for extraction-to-analysis.
			SM4500Cl-E	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494138	Chromium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Cobalt (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Copper (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494330	Fluoride (1312 DI)	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493905	Iron (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M6010D ICP	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.
	WG494138	Lead (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Lithium (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Manganese (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493735	Mercury, (1312-DI)	M7470A CVAA	Q6	Sample was received above recommended temperature.
			M7470A CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated

CRG Mining, LLC ACZ Project ID: ***L57826***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Molybdenum (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nickel (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493855	Nitrate/Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction	HD	Analysis is outside the intended scope of the method, which does not provide hold time information for soil extracts. No hold time is observed for collection to extraction. The referenced method hold time is observed for extraction-to-analysis.
			M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction	HD	Analysis is outside the intended scope of the method, which does not provide hold time information for soil extracts. No hold time is observed for collection to extraction. The referenced method hold time is observed for extraction-to-analysis.
			M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494043	Residue, Filterable (TDS) @180C (1312)	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540C	Z3	Sample volume yielded a residue less than 2.5 mg
	WG494138	Selenium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Silver (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494249	Sulfate (1312 DI)	SM4500 SO4-D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493949	Sulfur, total	ASTM D-4239-85C, LECO Furnace	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG494138	Thallium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493720	Total Hot Plate Digestion	M3010A ICP	DJ	Sample dilution required due to insufficient sample.
	WG493814		M3010A ICP-MS	DJ	Sample dilution required due to insufficient sample.
	WG494138	Uranium (1312-DI)	M6020B ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493905	Vanadium (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG493807	Zinc (1312-DI)	M6010D ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M6010D ICP	ZG	The ICP or ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 50 times the MDL.

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Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium (1312-DI)	M6020B ICP-MS

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Neutralization Potential as CaCO3	M600/2-78-054 3.2.3
Sulfur, total	ASTM D-4239-85C, LECO Furnace

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Chloride (1312 DI)	SM4500Cl-E
Fluoride (1312 DI)	SM4500F-C
Nitrate/Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction
Nitrite as N (1312-DI)	M353.2 - Automated Cadmium Reduction
Residue, Filterable (TDS) @180C (1312)	SM2540C
Sulfate (1312 DI)	SM4500 SO4-D

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

Sample Receipt

CRG Mining, LLC
Raymond/Carter Waste rock analysis

ACZ Project ID: L57826
Date Received: 03/06/2020 14:36
Received By:
Date Printed: 3/10/2020

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	

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		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA32481	20.8	NA	15	N/A

Was ice present in the shipment container(s)?

No - Wet or gel ice was not 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.

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Sample Receipt

CRG Mining, LLC
Raymond/Carter Waste rock analysis

ACZ Project ID:	L57826
Date Received:	03/06/2020 14:36
Received By:	
Date Printed:	3/10/2020

[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).

ACZ Laboratories, Inc. L57826

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

CHAIN of CUSTODY

Report to:

Name: Jake Wilkinson	Address: 510 South Wisconsin St
Company: CRG Mining LLC	Gunnison, Co 81230
E-mail: jwilkinson@crgmining.com	Telephone: 970-417-3311

Copy of Report to:

Name:	E-mail:
Company:	Telephone:

Invoice to:

Name: Jake Wilkinson	Address: 510 South Wisconsin St
Company: CRG Mining LLC	Gunnison, Co 81230
E-mail: jwilkinson@crgmining.com	Telephone: 970-417-3311

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 ☒ 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 ☒

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

Sampler's Name: Jake Wilkinson Sampler's Site Information State Co Zip code 81230 Time Zone 13:00

*Sampler's Signature: [signature]

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

Quote #:

PO#: Raymond/Carter Waste rock analysis

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Acid Based Accoutning	SPLP						
				☐	☐	☐	☐	☐	☐	☐	☐
Raymond Mine Waste Rock	03/05/2020 13:00	Rock	1	☒	☒	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐

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

REMARKS

The initial SPLP test should include all the parameters listed on Tables 1-4 in Regulation 41 - Basic Standards for Ground Water, except Total Coliforms, Asbestos, Free Cyanide, Chlorophenol, Color, Corrosivity, Foaming Agents Odor, Phenol, the Radiological Parameters, Gross Alpha Particle Activity and Beta/Photon Emitters.

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

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature] JAKE WILKINSON	03/05/2020 13:50	[signature]	3-6-20 1436

FRMAD050.06.14.14 White - Return with sample. Yellow - Retain for your records.

L57826 Chain of Custod