

April 18, 2022

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

cc: Sid Tolbert

Project ID:

ACZ Project ID: L72335

Jake Wilkinson:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 05, 2022. This project has been assigned to ACZ's project number, L72335. Please reference this number in all future inquiries.

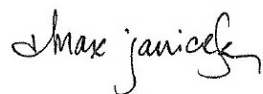
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72335. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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 18, 2022. 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:

Sample ID: GL1

ACZ Sample ID: **L72335-01**

Date Sampled: 04/04/22 08:45

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 9:20	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:00	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/14/22 16:52	kja
Arsenic, dissolved	M200.8 ICP-MS	1	<0.0002	U		mg/L	0.0002	0.001	04/13/22 14:41	kja
Barium, dissolved	M200.7 ICP	1	0.0180	B		mg/L	0.007	0.035	04/12/22 20:00	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	0.000082	B		mg/L	0.00008	0.00025	04/13/22 14:41	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000058	B		mg/L	0.00005	0.00025	04/13/22 14:41	kja
Calcium, dissolved	M200.7 ICP	1	18.5			mg/L	0.1	0.5	04/12/22 20:00	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:41	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:00	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:00	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:00	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00040	B		mg/L	0.0001	0.0005	04/13/22 14:41	kja
Magnesium, dissolved	M200.7 ICP	1	4.96			mg/L	0.2	1	04/12/22 20:00	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:00	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:47	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:00	wtc
Potassium, dissolved	M200.7 ICP	1	0.61	B		mg/L	0.2	1	04/12/22 20:00	wtc
Sodium, dissolved	M200.7 ICP	1	2.29			mg/L	0.2	1	04/12/22 20:00	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:00	wtc
Zinc, dissolved	M200.7 ICP	1	0.440			mg/L	0.02	0.05	04/12/22 20:00	wtc

CRG Mining, LLC
Project ID:
Sample ID: GL1

ACZ Sample ID: **L72335-01**
Date Sampled: 04/04/22 08:45
Date Received: 04/05/22
Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	60.3			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	60.3			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			7.1			%			04/18/22 0:00	calc
Sum of Anions			1.3			meq/L			04/18/22 0:00	calc
Sum of Cations			1.5			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	0.73	B	*	mg/L	0.5	2	04/14/22 10:51	bls
Conductivity @25C	SM2510B	1	116			umhos/cm	1	10	04/15/22 20:29	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:37	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		67			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 12:59	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.150			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.150		*	mg/L	0.02	0.1	04/06/22 0:10	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:10	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	22.2			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	56			mg/L	20	40	04/05/22 15:03	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	4.8	B	*	mg/L	1	5	04/13/22 14:34	mjj1

CRG Mining, LLC

Project ID:

Sample ID: GL2

ACZ Sample ID: **L72335-02**

Date Sampled: 04/04/22 09:00

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 9:44	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:03	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/14/22 17:01	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00304			mg/L	0.0002	0.001	04/13/22 14:42	kja
Barium, dissolved	M200.7 ICP	1	0.0166	B		mg/L	0.007	0.035	04/12/22 20:03	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:42	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.00362			mg/L	0.00005	0.00025	04/13/22 14:42	kja
Calcium, dissolved	M200.7 ICP	1	30.7			mg/L	0.1	0.5	04/12/22 20:03	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:42	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:03	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:03	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:03	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00040	B		mg/L	0.0001	0.0005	04/13/22 14:42	kja
Magnesium, dissolved	M200.7 ICP	1	8.19			mg/L	0.2	1	04/12/22 20:03	wtc
Manganese, dissolved	M200.7 ICP	1	0.046	B		mg/L	0.01	0.05	04/12/22 20:03	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:52	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:03	wtc
Potassium, dissolved	M200.7 ICP	1	0.92	B		mg/L	0.2	1	04/12/22 20:03	wtc
Sodium, dissolved	M200.7 ICP	1	4.78			mg/L	0.2	1	04/12/22 20:03	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:03	wtc
Zinc, dissolved	M200.7 ICP	1	0.652			mg/L	0.02	0.05	04/12/22 20:03	wtc

CRG Mining, LLC

Project ID:

Sample ID: GL2

ACZ Sample ID: **L72335-02**

Date Sampled: 04/04/22 09:00

Date Received: 04/05/22

Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	77.4			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	77.4			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			2.0			%			04/18/22 0:00	calc
Sum of Anions			2.4			meq/L			04/18/22 0:00	calc
Sum of Cations			2.5			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	1.34	B	*	mg/L	0.5	2	04/14/22 10:51	bls
Conductivity @25C	SM2510B	1	221			umhos/cm	1	10	04/15/22 20:37	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:39	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		110			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:02	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.521			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.521		*	mg/L	0.02	0.1	04/06/22 0:16	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:16	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	22.1			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	148		*	mg/L	20	40	04/06/22 11:09	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	34.9		*	mg/L	5	25	04/13/22 14:51	mjj1

CRG Mining, LLC

Project ID:

Sample ID: GL3

ACZ Sample ID: **L72335-03**

Date Sampled: 04/04/22 09:25

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 10:09	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:12	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/14/22 17:02	kja
Arsenic, dissolved	M200.8 ICP-MS	1	<0.0002	U		mg/L	0.0002	0.001	04/13/22 14:44	kja
Barium, dissolved	M200.7 ICP	1	0.0238	B		mg/L	0.007	0.035	04/12/22 20:12	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:44	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000270			mg/L	0.00005	0.00025	04/13/22 14:44	kja
Calcium, dissolved	M200.7 ICP	1	18.1			mg/L	0.1	0.5	04/12/22 20:12	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:44	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:12	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:12	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:12	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00030	B		mg/L	0.0001	0.0005	04/13/22 14:44	kja
Magnesium, dissolved	M200.7 ICP	1	5.39			mg/L	0.2	1	04/12/22 20:12	wtc
Manganese, dissolved	M200.7 ICP	1	0.010	B		mg/L	0.01	0.05	04/12/22 20:12	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:53	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:12	wtc
Potassium, dissolved	M200.7 ICP	1	0.71	B		mg/L	0.2	1	04/12/22 20:12	wtc
Sodium, dissolved	M200.7 ICP	1	2.41			mg/L	0.2	1	04/12/22 20:12	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:12	wtc
Zinc, dissolved	M200.7 ICP	1	0.260			mg/L	0.02	0.05	04/12/22 20:12	wtc

CRG Mining, LLC

Project ID:

Sample ID: GL3

ACZ Sample ID: **L72335-03**

Date Sampled: 04/04/22 09:25

Date Received: 04/05/22

Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	60.6			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	60.6			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			3.4			%			04/18/22 0:00	calc
Sum of Anions			1.4			meq/L			04/18/22 0:00	calc
Sum of Cations			1.5			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	0.96	B	*	mg/L	0.5	2	04/14/22 10:52	bls
Conductivity @25C	SM2510B	1	129			umhos/cm	1	10	04/15/22 20:45	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:41	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		67			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:05	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.201			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.201		*	mg/L	0.02	0.1	04/06/22 0:17	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:17	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	22.1			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	86		*	mg/L	20	40	04/06/22 11:11	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	8.0		*	mg/L	1	5	04/13/22 14:34	mjj1

CRG Mining, LLC

Project ID:

Sample ID: RM1

ACZ Sample ID: **L72335-04**

Date Sampled: 04/04/22 09:35

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 10:21	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:15	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/14/22 17:04	kja
Arsenic, dissolved	M200.8 ICP-MS	1	<0.0002	U		mg/L	0.0002	0.001	04/13/22 14:46	kja
Barium, dissolved	M200.7 ICP	1	0.0145	B		mg/L	0.007	0.035	04/12/22 20:15	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:46	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000272			mg/L	0.00005	0.00025	04/13/22 14:46	kja
Calcium, dissolved	M200.7 ICP	1	15.8			mg/L	0.1	0.5	04/12/22 20:15	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:46	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:15	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:15	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:15	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00033	B		mg/L	0.0001	0.0005	04/13/22 14:46	kja
Magnesium, dissolved	M200.7 ICP	1	5.35			mg/L	0.2	1	04/12/22 20:15	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:15	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:54	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:15	wtc
Potassium, dissolved	M200.7 ICP	1	0.67	B		mg/L	0.2	1	04/12/22 20:15	wtc
Sodium, dissolved	M200.7 ICP	1	2.28			mg/L	0.2	1	04/12/22 20:15	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:15	wtc
Zinc, dissolved	M200.7 ICP	1	0.027	B		mg/L	0.02	0.05	04/12/22 20:15	wtc

CRG Mining, LLC
Project ID:
Sample ID: RM1

ACZ Sample ID: **L72335-04**
Date Sampled: 04/04/22 09:35
Date Received: 04/05/22
Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	62.0			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	62.0			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.4			%			04/18/22 0:00	calc
Sum of Anions			1.5			meq/L			04/18/22 0:00	calc
Sum of Cations			1.4			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	1.07	B	*	mg/L	0.5	2	04/14/22 10:52	bls
Conductivity @25C	SM2510B	1	129			umhos/cm	1	10	04/15/22 20:54	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:42	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		62			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:08	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.368			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.368		*	mg/L	0.02	0.1	04/06/22 0:18	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:18	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	22.1			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	86		*	mg/L	20	40	04/06/22 11:14	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	8.1		*	mg/L	1	5	04/13/22 14:34	mjj1

CRG Mining, LLC

Project ID:

Sample ID: RM2

ACZ Sample ID: **L72335-05**

Date Sampled: 04/04/22 09:55

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 10:33	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:18	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/14/22 17:06	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00892			mg/L	0.0002	0.001	04/13/22 14:48	kja
Barium, dissolved	M200.7 ICP	1	0.0088	B		mg/L	0.007	0.035	04/12/22 20:18	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:48	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000515			mg/L	0.00005	0.00025	04/13/22 14:48	kja
Calcium, dissolved	M200.7 ICP	1	15.4			mg/L	0.1	0.5	04/12/22 20:18	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:48	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:18	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:18	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:18	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00036	B		mg/L	0.0001	0.0005	04/13/22 14:48	kja
Magnesium, dissolved	M200.7 ICP	1	3.31			mg/L	0.2	1	04/12/22 20:18	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:18	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:55	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:18	wtc
Potassium, dissolved	M200.7 ICP	1	1.13			mg/L	0.2	1	04/12/22 20:18	wtc
Sodium, dissolved	M200.7 ICP	1	4.25			mg/L	0.2	1	04/12/22 20:18	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:18	wtc
Zinc, dissolved	M200.7 ICP	1	0.088			mg/L	0.02	0.05	04/12/22 20:18	wtc

CRG Mining, LLC

Project ID:

Sample ID: RM2

ACZ Sample ID: **L72335-05**

Date Sampled: 04/04/22 09:55

Date Received: 04/05/22

Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	45.6			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	45.6			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			04/18/22 0:00	calc
Sum of Anions			1.3			meq/L			04/18/22 0:00	calc
Sum of Cations			1.3			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	1.06	B	*	mg/L	0.5	2	04/14/22 10:53	bls
Conductivity @25C	SM2510B	1	123			umhos/cm	1	10	04/15/22 21:02	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:42	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		52			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:11	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.055	B		mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.055	B	*	mg/L	0.02	0.1	04/06/22 0:19	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:19	pjb
pH (lab)	SM4500H+ B									
pH		1	8.1	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	22.2			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	92		*	mg/L	20	40	04/06/22 11:17	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	18.5		*	mg/L	1	5	04/13/22 14:35	mjj1

CRG Mining, LLC

Project ID:

Sample ID: RM3

ACZ Sample ID: **L72335-06**

Date Sampled: 04/04/22 10:10

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 10:45	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:21	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/13/22 14:50	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00088	B		mg/L	0.0002	0.001	04/13/22 14:50	kja
Barium, dissolved	M200.7 ICP	1	0.0132	B		mg/L	0.007	0.035	04/12/22 20:21	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:50	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000211	B		mg/L	0.00005	0.00025	04/13/22 14:50	kja
Calcium, dissolved	M200.7 ICP	1	18.1			mg/L	0.1	0.5	04/12/22 20:21	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:50	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:21	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:21	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:21	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00029	B		mg/L	0.0001	0.0005	04/13/22 14:50	kja
Magnesium, dissolved	M200.7 ICP	1	5.59			mg/L	0.2	1	04/12/22 20:21	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:21	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:55	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:21	wtc
Potassium, dissolved	M200.7 ICP	1	0.78	B		mg/L	0.2	1	04/12/22 20:21	wtc
Sodium, dissolved	M200.7 ICP	1	2.13			mg/L	0.2	1	04/12/22 20:21	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:21	wtc
Zinc, dissolved	M200.7 ICP	1	0.022	B		mg/L	0.02	0.05	04/12/22 20:21	wtc

CRG Mining, LLC

Project ID:

Sample ID: RM3

ACZ Sample ID: **L72335-06**

Date Sampled: 04/04/22 10:10

Date Received: 04/05/22

Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	68.7			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	68.7			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.2			%			04/18/22 0:00	calc
Sum of Anions			1.6			meq/L			04/18/22 0:00	calc
Sum of Cations			1.5			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	1.14	B	*	mg/L	0.5	2	04/14/22 10:53	bls
Conductivity @25C	SM2510B	1	141			umhos/cm	1	10	04/15/22 21:19	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:43	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		68			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:14	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.172			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.172		*	mg/L	0.02	0.1	04/06/22 0:21	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:21	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	21.7			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	90		*	mg/L	20	40	04/06/22 11:19	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	8.1		*	mg/L	1	5	04/13/22 14:35	mjj1

CRG Mining, LLC

Project ID:

Sample ID: CM1

ACZ Sample ID: **L72335-07**

Date Sampled: 04/04/22 10:20

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 10:57	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 8:10	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:24	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/13/22 14:51	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00084	B		mg/L	0.0002	0.001	04/13/22 14:51	kja
Barium, dissolved	M200.7 ICP	1	0.0193	B		mg/L	0.007	0.035	04/12/22 20:24	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:51	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000228	B		mg/L	0.00005	0.00025	04/13/22 14:51	kja
Calcium, dissolved	M200.7 ICP	1	19.7			mg/L	0.1	0.5	04/12/22 20:24	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:51	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:24	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:24	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:24	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00028	B		mg/L	0.0001	0.0005	04/13/22 14:51	kja
Magnesium, dissolved	M200.7 ICP	1	5.61			mg/L	0.2	1	04/12/22 20:24	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:24	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 12:56	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:24	wtc
Potassium, dissolved	M200.7 ICP	1	0.75	B		mg/L	0.2	1	04/12/22 20:24	wtc
Sodium, dissolved	M200.7 ICP	1	2.23			mg/L	0.2	1	04/12/22 20:24	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:24	wtc
Zinc, dissolved	M200.7 ICP	1	0.194			mg/L	0.02	0.05	04/12/22 20:24	wtc

CRG Mining, LLC

Project ID:

Sample ID: CM1

ACZ Sample ID: **L72335-07**

Date Sampled: 04/04/22 10:20

Date Received: 04/05/22

Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	67.9			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	67.9			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			04/18/22 0:00	calc
Sum of Anions			1.6			meq/L			04/18/22 0:00	calc
Sum of Cations			1.6			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	1.12	B	*	mg/L	0.5	2	04/14/22 10:54	bls
Conductivity @25C	SM2510B	1	141			umhos/cm	1	10	04/15/22 21:28	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:46	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		72			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:17	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.190			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.190		*	mg/L	0.02	0.1	04/06/22 0:22	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:22	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	21.6			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	90		*	mg/L	20	40	04/06/22 11:22	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	7.8		*	mg/L	1	5	04/13/22 14:35	mjj1

CRG Mining, LLC

Project ID:

Sample ID: CM2

ACZ Sample ID: **L72335-08**

Date Sampled: 04/04/22 10:45

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 11:09	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 9:25	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:27	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/13/22 14:57	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00218			mg/L	0.0002	0.001	04/13/22 14:57	kja
Barium, dissolved	M200.7 ICP	1	0.0127	B		mg/L	0.007	0.035	04/12/22 20:27	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:57	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000082	B		mg/L	0.00005	0.00025	04/13/22 14:57	kja
Calcium, dissolved	M200.7 ICP	1	17.8			mg/L	0.1	0.5	04/12/22 20:27	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:57	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:27	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:27	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:27	wtc
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	04/13/22 14:57	kja
Magnesium, dissolved	M200.7 ICP	1	3.24			mg/L	0.2	1	04/12/22 20:27	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:27	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 13:01	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:27	wtc
Potassium, dissolved	M200.7 ICP	1	0.57	B		mg/L	0.2	1	04/12/22 20:27	wtc
Sodium, dissolved	M200.7 ICP	1	6.13			mg/L	0.2	1	04/12/22 20:27	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:27	wtc
Zinc, dissolved	M200.7 ICP	1	0.059			mg/L	0.02	0.05	04/12/22 20:27	wtc

CRG Mining, LLC
Project ID:
Sample ID: CM2

ACZ Sample ID: **L72335-08**
Date Sampled: 04/04/22 10:45
Date Received: 04/05/22
Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	55.6			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	55.6			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.4			%			04/18/22 0:00	calc
Sum of Anions			1.5			meq/L			04/18/22 0:00	calc
Sum of Cations			1.4			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	0.98	B	*	mg/L	0.5	2	04/14/22 10:55	bls
Conductivity @25C	SM2510B	1	139			umhos/cm	1	10	04/15/22 21:36	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:47	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		58			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:21	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.563			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.563		*	mg/L	0.02	0.1	04/06/22 0:57	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:25	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	21.8			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	94		*	mg/L	20	40	04/06/22 11:24	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	12.7		*	mg/L	1	5	04/13/22 14:35	mjj1

CRG Mining, LLC

Project ID:

Sample ID: CM3

ACZ Sample ID: **L72335-09**

Date Sampled: 04/04/22 11:00

Date Received: 04/05/22

Sample Matrix: Surface Water

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								04/08/22 11:22	mjj1
Lab Filtration (0.45um) & Acidification	M200.7/200.8/3005A								04/08/22 9:25	mlh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	04/12/22 20:30	wtc
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	04/13/22 14:59	kja
Arsenic, dissolved	M200.8 ICP-MS	1	0.00120			mg/L	0.0002	0.001	04/13/22 14:59	kja
Barium, dissolved	M200.7 ICP	1	0.0257	B		mg/L	0.007	0.035	04/12/22 20:30	wtc
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	04/13/22 14:59	kja
Cadmium, dissolved	M200.8 ICP-MS	1	0.000219	B		mg/L	0.00005	0.00025	04/13/22 14:59	kja
Calcium, dissolved	M200.7 ICP	1	20.1			mg/L	0.1	0.5	04/12/22 20:30	wtc
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	04/13/22 14:59	kja
Cobalt, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	04/12/22 20:30	wtc
Copper, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:30	wtc
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	04/12/22 20:30	wtc
Lead, dissolved	M200.8 ICP-MS	1	0.00078			mg/L	0.0001	0.0005	04/13/22 14:59	kja
Magnesium, dissolved	M200.7 ICP	1	5.52			mg/L	0.2	1	04/12/22 20:30	wtc
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	04/12/22 20:30	wtc
Mercury, total	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	04/11/22 13:02	mlh
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	04/12/22 20:30	wtc
Potassium, dissolved	M200.7 ICP	1	0.82	B		mg/L	0.2	1	04/12/22 20:30	wtc
Sodium, dissolved	M200.7 ICP	1	2.55			mg/L	0.2	1	04/12/22 20:30	wtc
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	04/12/22 20:30	wtc
Zinc, dissolved	M200.7 ICP	1	0.195			mg/L	0.02	0.05	04/12/22 20:30	wtc

CRG Mining, LLC
Project ID:
Sample ID: CM3

ACZ Sample ID: **L72335-09**
Date Sampled: 04/04/22 11:00
Date Received: 04/05/22
Sample Matrix: Surface Water

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration									
Bicarbonate as CaCO ₃		1	67.7			mg/L	2	20	04/15/22 0:00	eep
Carbonate as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Hydroxide as CaCO ₃		1	<2	U		mg/L	2	20	04/15/22 0:00	eep
Total Alkalinity		1	67.7			mg/L	2	20	04/15/22 0:00	eep
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			04/18/22 0:00	calc
Sum of Anions			1.6			meq/L			04/18/22 0:00	calc
Sum of Cations			1.6			meq/L			04/18/22 0:00	calc
Chloride	SM4500Cl-E	1	0.97	B	*	mg/L	0.5	2	04/14/22 10:57	bls
Conductivity @25C	SM2510B	1	144			umhos/cm	1	10	04/15/22 21:44	eep
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	04/08/22 14:47	bls
Hardness as CaCO ₃ (dissolved)	SM2340B - Calculation		73			mg/L	0.2	5	04/18/22 0:00	calc
Lab Filtration (0.45um filter)	SOPWC050	1							04/13/22 13:24	emk
Nitrate as N, dissolved	Calculation: NO ₃ NO ₂ minus NO ₂		0.153			mg/L	0.02	0.1	04/18/22 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.153		*	mg/L	0.02	0.1	04/06/22 0:27	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	<0.01	U	*	mg/L	0.01	0.05	04/06/22 0:27	pjb
pH (lab)	SM4500H+ B									
pH		1	8.2	H		units	0.1	0.1	04/15/22 0:00	eep
pH measured at		1	21.8			C	0.1	0.1	04/15/22 0:00	eep
Residue, Filterable (TDS) @180C	SM2540C	1	92		*	mg/L	20	40	04/06/22 11:27	anc
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	8.9		*	mg/L	1	5	04/13/22 14:36	mjj1

Report Header Explanations

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

QC Sample Types

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

CRG

ACZ Project ID: **L72335**

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.

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540452													
WG540452PBW1	PBW	04/15/22 19:10				U	mg/L		-20	20			
WG540452LCSW3	LCSW	04/15/22 19:30	WC220415-10	820.0001		827.4	mg/L	101	90	110			
L72335-05DUP	DUP	04/15/22 21:10			45.6	44.6	mg/L				2	20	
L72357-01DUP	DUP	04/15/22 23:01			199	192.7	mg/L				3	20	
WG540452LCSW6	LCSW	04/15/22 23:20	WC220415-10	820.0001		829.5	mg/L	101	90	110			
WG540452PBW2	PBW	04/15/22 23:27				4.5	mg/L		-20	20			
WG540452LCSW9	LCSW	04/16/22 2:50	WC220415-10	820.0001		815.7	mg/L	99	90	110			
WG540452PBW3	PBW	04/16/22 2:57				4	mg/L		-20	20			
WG540452LCSW12	LCSW	04/16/22 6:34	WC220415-10	820.0001		844.3	mg/L	103	90	110			
WG540452PBW4	PBW	04/16/22 6:40				5.3	mg/L		-20	20			
WG540452LCSW15	LCSW	04/16/22 10:20	WC220415-10	820.0001		849	mg/L	104	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.937	mg/L	97	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.15	0.15			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	1.0008		.978	mg/L	98	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	1.0008	U	1.008	mg/L	101	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	1.0008	U	1.023	mg/L	102	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	1.0008	U	1.033	mg/L	103	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	1.0008	U	1.016	mg/L	102	85	115	2	20	

Antimony, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.0201		.02005	mg/L	100	90	110			
WG540250ICB	ICB	04/13/22 14:15				U	mg/L		-0.00088	0.00088			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.01		.01056	mg/L	106	85	115			
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.02	U	.0208	mg/L	104	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.02	U	.02104	mg/L	105	70	130	1	20	
WG540348													
WG540348ICV	ICV	04/14/22 16:39	MS220401-7	.0201		.0203	mg/L	101	90	110			
WG540348ICB	ICB	04/14/22 16:41				U	mg/L		-0.00088	0.00088			
WG540348LFB	LFB	04/14/22 16:42	MS220401-2	.01		.01101	mg/L	110	85	115			
L72335-01AS	AS	04/14/22 16:53	MS220401-2	.01	U	.01026	mg/L	103	70	130			
L72335-01ASD	ASD	04/14/22 16:55	MS220401-2	.01	U	.01038	mg/L	104	70	130	1	20	

CRG

ACZ Project ID: **L72335**

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.

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.05		.05147	mg/L	103	90	110			
WG540250ICB	ICB	04/13/22 14:15				U	mg/L		-0.00044	0.00044			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.05005		.05253	mg/L	105	85	115			
L72328-05AS	AS	04/13/22 14:28	MS220401-2	.1001	U	.10523	mg/L	105	70	130			
L72328-05ASD	ASD	04/13/22 14:30	MS220401-2	.1001	U	.10503	mg/L	105	70	130	0	20	
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.1001	U	.10357	mg/L	103	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.1001	U	.10643	mg/L	106	70	130	3	20	

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.9738	mg/L	99	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.021	0.021			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.5		.4904	mg/L	98	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.5	.0365	.5163	mg/L	96	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.5	.0365	.5255	mg/L	98	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.5	.0257	.5237	mg/L	100	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.5	.0257	.5194	mg/L	99	85	115	1	20	

Beryllium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.05		.050229	mg/L	100	90	110			
WG540250ICB	ICB	04/13/22 14:15				.00012	mg/L		-0.000176	0.000176			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.05005		.051462	mg/L	103	85	115			
L72328-05AS	AS	04/13/22 14:28	MS220401-2	.1001	U	.101155	mg/L	101	70	130			
L72328-05ASD	ASD	04/13/22 14:30	MS220401-2	.1001	U	.101098	mg/L	101	70	130	0	20	
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.1001	U	.100228	mg/L	100	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.1001	U	.103594	mg/L	103	70	130	3	20	

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.05		.051443	mg/L	103	90	110			
WG540250ICB	ICB	04/13/22 14:15				U	mg/L		-0.00011	0.00011			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.05005		.052523	mg/L	105	85	115			
L72328-05AS	AS	04/13/22 14:28	MS220401-2	.1001	.000142	.098731	mg/L	98	70	130			
L72328-05ASD	ASD	04/13/22 14:30	MS220401-2	.1001	.000142	.099034	mg/L	99	70	130	0	20	
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.1001	.000203	.097456	mg/L	97	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.1001	.000203	.099674	mg/L	99	70	130	2	20	

CRG

ACZ Project ID: **L72335**

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.

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	100		99.84	mg/L	100	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.3	0.3			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	67.99026		63.53	mg/L	93	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	67.99026	31.6	93.09	mg/L	90	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	67.99026	31.6	94.58	mg/L	93	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	67.99026	20.1	85.04	mg/L	96	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	67.99026	20.1	84.71	mg/L	95	85	115	0	20	

Chloride

SM4500CI-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540304													
WG540304ICV	ICV	04/14/22 10:49	WI210503-1	54.89		57.21	mg/L	104	90	110			
WG540304ICB	ICB	04/14/22 10:50				.53	mg/L		-1.5	1.5			
WG540304LFB1	LFB	04/14/22 10:50	WI220328-1	29.97		32.04	mg/L	107	90	110			
L72335-07AS	AS	04/14/22 10:54	WI220328-1	29.97	1.12	32.27	mg/L	104	90	110			
L72335-08DUP	DUP	04/14/22 10:56			.98	.87	mg/L				12	20	RA
WG540304LFB2	LFB	04/14/22 13:11	WI220328-1	29.97		32.55	mg/L	109	90	110			

Chromium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.05		.05177	mg/L	104	90	110			
WG540250ICB	ICB	04/13/22 14:15				U	mg/L		-0.0011	0.0011			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.05		.05319	mg/L	106	85	115			
L72328-05AS	AS	04/13/22 14:28	MS220401-2	.1	U	.10139	mg/L	101	70	130			
L72328-05ASD	ASD	04/13/22 14:30	MS220401-2	.1	U	.10158	mg/L	102	70	130	0	20	
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.1	U	.09966	mg/L	100	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.1	U	.10275	mg/L	103	70	130	3	20	

Cobalt, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2.01		1.97	mg/L	98	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.06	0.06			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.5005		.485	mg/L	97	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.5005	U	.478	mg/L	96	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.5005	U	.482	mg/L	96	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.5005	U	.492	mg/L	98	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.5005	U	.49	mg/L	98	85	115	0	20	

CRG

ACZ Project ID: **L72335**

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.

Conductivity @25C

SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540452													
WG540452LCSW2	LCSW	04/15/22 19:16	PCN65231	1409		1425	umhos/cm	101	90	110			
L72335-05DUP	DUP	04/15/22 21:10			123	124	umhos/cm				1	20	
L72357-01DUP	DUP	04/15/22 23:01			1430	1409	umhos/cm				1	20	
WG540452LCSW5	LCSW	04/15/22 23:07	PCN65231	1409		1421	umhos/cm	101	90	110			
WG540452LCSW8	LCSW	04/16/22 2:38	PCN65231	1409		1420	umhos/cm	101	90	110			
WG540452LCSW11	LCSW	04/16/22 6:20	PCN65231	1409		1413	umhos/cm	100	90	110			
WG540452LCSW14	LCSW	04/16/22 10:07	PCN65231	1409		1412	umhos/cm	100	90	110			

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.992	mg/L	100	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.03	0.03			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.5		.486	mg/L	97	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.5	U	.483	mg/L	97	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.5	U	.491	mg/L	98	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.5	U	.503	mg/L	101	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.5	U	.502	mg/L	100	85	115	0	20	

Cyanide, total

M335.4 - Colorimetric w/ distillation

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG539965													
WG539965ICV	ICV	04/08/22 13:24	WI220401-3	.3003		.3022	mg/L	101	90	110			
WG539965ICB	ICB	04/08/22 13:25				U	mg/L		-0.003	0.003			
WG539975													
WG539929LRB	LRB	04/08/22 14:36				U	mg/L		-0.003	0.003			
WG539929LFB	LFB	04/08/22 14:36	WI220331-2	.2		.2109	mg/L	105	90	110			
L72335-01DUP	DUP	04/08/22 14:38			U	U	mg/L				0	20	RA
L72335-02LFM	LFM	04/08/22 14:40	WI220331-2	.2	U	.2099	mg/L	105	90	110			

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.92	mg/L	96	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.18	0.18			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	1.0013		.964	mg/L	96	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	1.0013	.316	1.241	mg/L	92	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	1.0013	.316	1.286	mg/L	97	85	115	4	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	1.0013	U	1.038	mg/L	104	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	1.0013	U	1.023	mg/L	102	85	115	1	20	

CRG

ACZ Project ID: **L72335**

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.

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540250													
WG540250ICV	ICV	04/13/22 14:13	MS220401-7	.05		.05101	mg/L	102	90	110			
WG540250ICB	ICB	04/13/22 14:15				U	mg/L		-0.00022	0.00022			
WG540250LFB	LFB	04/13/22 14:17	MS220401-2	.0501		.0525	mg/L	105	85	115			
L72328-05AS	AS	04/13/22 14:28	MS220401-2	.1002	U	.10114	mg/L	101	70	130			
L72328-05ASD	ASD	04/13/22 14:30	MS220401-2	.1002	U	.10136	mg/L	101	70	130	0	20	
L72328-06AS	AS	04/13/22 14:37	MS220401-2	.1002	.00036	.09976	mg/L	99	70	130			
L72328-06ASD	ASD	04/13/22 14:39	MS220401-2	.1002	.00036	.1027	mg/L	102	70	130	3	20	

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	100		95.53	mg/L	96	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.6	0.6			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	49.99828		48.02	mg/L	96	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	49.99828	7.84	55.42	mg/L	95	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	49.99828	7.84	56.38	mg/L	97	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	49.99828	5.52	55	mg/L	99	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	49.99828	5.52	54.89	mg/L	99	85	115	0	20	

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.927	mg/L	96	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.03	0.03			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.499		.49	mg/L	98	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.499	.022	.507	mg/L	97	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.499	.022	.515	mg/L	99	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.499	U	.513	mg/L	103	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.499	U	.509	mg/L	102	85	115	1	20	

Mercury, total

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540004													
WG540004ICV	ICV	04/11/22 12:37	HG220411-3	.005005		.00515	mg/L	103	95	105			
WG540004ICB	ICB	04/11/22 12:38				U	mg/L		-0.0002	0.0002			
WG540004LRB	LRB	04/11/22 12:39				U	mg/L		-0.00044	0.00044			
WG540004LFB	LFB	04/11/22 12:40	HG220411-6	.002002		.00198	mg/L	99	85	115			
L72335-01LFM	LFM	04/11/22 12:50	HG220411-6	.002002	U	.00205	mg/L	102	85	115			
L72335-01LFMD	LFMD	04/11/22 12:51	HG220411-6	.002002	U	.00206	mg/L	103	85	115	0	20	
L72335-07LFM	LFM	04/11/22 12:57	HG220411-6	.002002	U	.00212	mg/L	106	85	115			
L72335-07LFMD	LFMD	04/11/22 12:58	HG220411-6	.002002	U	.00216	mg/L	108	85	115	2	20	

CRG

ACZ Project ID: **L72335**

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.

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.974	mg/L	99	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.024	0.024			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.5005		.5023	mg/L	100	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.5005	U	.4897	mg/L	98	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.5005	U	.4938	mg/L	99	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.5005	U	.5055	mg/L	101	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.5005	U	.4984	mg/L	100	85	115	1	20	

Nitrate/Nitrite as N, dissolved

M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG539726													
WG539726ICV	ICV	04/05/22 23:56	WI220301-7	2.4161		2.332	mg/L	97	90	110			
WG539726ICB	ICB	04/05/22 23:57				U	mg/L		-0.02	0.02			
WG539726LFB	LFB	04/06/22 0:01	WI220401-10	2		2.03	mg/L	102	90	110			
L72327-01AS	AS	04/06/22 0:04	WI220401-10	2	U	2.109	mg/L	105	90	110			
L72327-04DUP	DUP	04/06/22 0:06			U	U	mg/L				0	20	RA
L72335-07AS	AS	04/06/22 0:23	WI220401-10	2	.19	2.207	mg/L	101	90	110			
L72335-08DUP	DUP	04/06/22 0:58			.563	.562	mg/L				0	20	

Nitrite as N, dissolved

M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG539726													
WG539726ICV	ICV	04/05/22 23:56	WI220301-7	.6089		.586	mg/L	96	90	110			
WG539726ICB	ICB	04/05/22 23:57				U	mg/L		-0.01	0.01			
WG539726LFB	LFB	04/06/22 0:01	WI220401-10	1		1.009	mg/L	101	90	110			
L72327-01AS	AS	04/06/22 0:04	WI220401-10	1	U	1.024	mg/L	102	90	110			
L72327-04DUP	DUP	04/06/22 0:06			U	U	mg/L				0	20	RA
L72335-07AS	AS	04/06/22 0:23	WI220401-10	1	U	.991	mg/L	99	90	110			
L72335-08DUP	DUP	04/06/22 0:26			U	U	mg/L				0	20	RA

pH (lab)

SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540452													
WG540452LCSW1	LCSW	04/15/22 19:15	PCN64057	6		6.1	units	102	5.9	6.1			
L72335-05DUP	DUP	04/15/22 21:10			8.1	8.1	units				0	20	
L72357-01DUP	DUP	04/15/22 23:01			8.2	8.1	units				1	20	
WG540452LCSW4	LCSW	04/15/22 23:05	PCN64057	6		6.1	units	102	5.9	6.1			
WG540452LCSW7	LCSW	04/16/22 2:37	PCN64057	6		6.1	units	102	5.9	6.1			
WG540452LCSW10	LCSW	04/16/22 6:19	PCN64057	6		6.1	units	102	5.9	6.1			
WG540452LCSW13	LCSW	04/16/22 10:05	PCN64057	6		6.1	units	102	5.9	6.1			

CRG

ACZ Project ID: **L72335**

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.

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	20		19.67	mg/L	98	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.6	0.6			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	99.95169		98.78	mg/L	99	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	99.95169	2.24	100.4	mg/L	98	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	99.95169	2.24	102	mg/L	100	85	115	2	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	99.95169	.82	102.3	mg/L	102	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	99.95169	.82	101.8	mg/L	101	85	115	0	20	

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG539704													
WG539704PBW	PBW	04/05/22 14:48				U	mg/L		-20	20			
WG539704LCSW	LCSW	04/05/22 14:50	PCN65067	1000		970	mg/L	97	80	120			
L72340-02DUP	DUP	04/05/22 15:19			1310	1280	mg/L				2	10	
WG539760													
WG539760PBW	PBW	04/06/22 10:30				U	mg/L		-20	20			
WG539760LCSW	LCSW	04/06/22 10:32	PCN65067	1000		986	mg/L	99	80	120			
L72335-09DUP	DUP	04/06/22 11:30			92	92	mg/L				0	10	RA

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	100		99.72	mg/L	100	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.6	0.6			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	100.0039		99.64	mg/L	100	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	100.0039	8.1	106.3	mg/L	98	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	100.0039	8.1	107.9	mg/L	100	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	100.0039	2.55	105.1	mg/L	103	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	100.0039	2.55	104.5	mg/L	102	85	115	1	20	

Sulfate

D516-02/-07/-11 - TURBIDIMETRIC

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540248													
WG540248ICB	ICB	04/13/22 10:27				U	mg/L		-3	3			
WG540248ICV	ICV	04/13/22 10:27	WI220331-10	20.46		20.1	mg/L	98	90	110			
WG540248LFB	LFB	04/13/22 14:32	WI211230-5	9.95		9.6	mg/L	96	90	110			
L72335-01DUP	DUP	04/13/22 14:34			4.8	4.3	mg/L				11	20	M2 RA
L72335-02AS	AS	04/13/22 14:51	SO4TURB5X	10	34.9	43.6	mg/L	87	90	110			M2

CRG

ACZ Project ID: **L72335**

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, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.989	mg/L	99	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.015	0.015			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.5005		.5064	mg/L	101	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.5005	U	.5017	mg/L	100	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.5005	U	.509	mg/L	102	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.5005	U	.5238	mg/L	105	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.5005	U	.521	mg/L	104	85	115	1	20	

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG540171													
WG540171ICV	ICV	04/12/22 19:17	II220401-2	2		1.891	mg/L	95	95	105			
WG540171ICB	ICB	04/12/22 19:22				U	mg/L		-0.06	0.06			
WG540171LFB	LFB	04/12/22 19:35	II220412-2	.50045		.498	mg/L	100	85	115			
L72330-01AS	AS	04/12/22 19:50	II220412-2	.50045	.022	.522	mg/L	100	85	115			
L72330-01ASD	ASD	04/12/22 19:53	II220412-2	.50045	.022	.528	mg/L	101	85	115	1	20	
L72335-09AS	AS	04/12/22 20:33	II220412-2	.50045	.195	.706	mg/L	102	85	115			
L72335-09ASD	ASD	04/12/22 20:36	II220412-2	.50045	.195	.702	mg/L	101	85	115	1	20	

CRG Mining, LLC

ACZ Project ID: **L72335**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72335-01	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).
L72335-02	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).

CRG Mining, LLC

ACZ Project ID: **L72335**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72335-03	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).
L72335-04	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).

CRG Mining, LLC

ACZ Project ID: **L72335**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72335-05	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).
L72335-06	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).

CRG Mining, LLC

ACZ Project ID: **L72335**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72335-07	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).
L72335-08	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).

CRG Mining, LLC

ACZ Project ID: **L72335**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72335-09	WG540304	Chloride	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).
	WG539975	Cyanide, total	M335.4 - Colorimetric w/ distillation	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).
	WG539726	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
		Nitrite as N, dissolved	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).
			M353.2 - Automated Cadmium Reduction	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG539760	Residue, Filterable (TDS) @180C	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).
	WG540248	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	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).

CRG Mining, LLC

ACZ Project ID: **L72335**

No certification qualifiers associated with this analysis

CRG Mining, LLC

ACZ Project ID: L72335

Date Received: 04/05/2022 11:59

Received By:

Date Printed: 4/6/2022

Receipt Verification

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

Samples/Containers

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

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?
-----	-----	-----	-----	-----
3005	5.3	<=6.0	15	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.

CRG Mining, LLC

ACZ Project ID: L72335

Date Received: 04/05/2022 11:59

Received By:

Date Printed: 4/6/2022

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).



Accredited
Environmental
Testing

2773 Downhill Drive
Steamboat Springs, CO 80487
(970) 879-6590

L72335

CHAIN of CUSTODY

Report to:

Name: JAKE WILKINSON
Company: CR6 MINING LLC
E-mail: JWILKINSON@CR6MINING.COM

Address: 510 S. WISCONSIN ST
GUNNISON, CO 81230
Telephone: 970-417-3311

Copy of Report to:

Name: SID TOLBERT
Company: II

E-mail: STOLBERT@CR6MINING.COM
Telephone:

Invoice to:

Name: II
Company: II
E-mail: II

Address:
Telephone:

Copy of Invoice to:

Name:
Company:
E-mail:

Address:
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 ☒
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: Sid Wilkinson Sampler's Site Information State CO Zip code 81230 Time Zone MT

*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#:	Reporting state for compliance testing:	Check box if samples include NRC licensed material?	SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers										
				GL1	4/4/22 8:45AM	SW	5										
				GL2	4/4/22 9:00AM	SW	5										
				GL3	4/4/22 9:25AM	SW	5										
				GM1	4/4/22 9:35AM	SW	5										
				GM2	4/4/22 9:55AM	SW	5										
				GM3	4/4/22 10:10AM	SW	5										
				CM1	4/4/22 10:20AM	SW	5										
				CM2	4/4/22 10:45AM	SW	5										
				CM3	4/4/22 11:00AM	SW	5										

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

REMARKS

SPRING RUN OFF

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

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

[Signature] 4/4/22 11:20AM [Signature] 4/5/22 11:59



L72335 Chain of Custody

L72335-2204181648

Revision #: 2

White - Return with sample.

Yellow - Retain for your records.

Page 37 of 37