

February 27, 2018

## Report to:

Kent Applegate  
Rio Algom Mining Company  
P.O. Box 218  
Grants, NM 87020

## Bill to:

Accounts Payable  
Rio Algom Mining Company  
P.O. Box 218  
Grants, NM 87020

cc: Clark Short, Angela Persico, Michaela Gorospe

Project ID: 450269253

ACZ Project ID: L42699

## Kent Applegate:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 15, 2018. This project has been assigned to ACZ's project number, L42699. 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 L42699. 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 March 29, 2018. 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.



Scott Habermehl has reviewed  
and approved this report.



**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 32-41

ACZ Sample ID: **L42699-01**

Date Sampled: 02/13/18 09:06

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	288			mg/L	0.5	3	02/26/18 14:37	dcm
Magnesium, dissolved	M200.7 ICP	5	283			mg/L	1	5	02/26/18 14:37	dcm
Potassium, dissolved	M200.7 ICP	5	14			mg/L	1	5	02/26/18 14:37	dcm
Sodium, dissolved	M200.7 ICP	5	376			mg/L	1	5	02/26/18 14:37	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	50	1820		*	mg/L	30	100	02/21/18 12:18	kea
Conductivity @25C	SM2510B	1	6720			umhos/cm	1	10	02/20/18 17:36	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1		U	*	mg/L	0.02	0.1	02/23/18 23:31	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	4420			mg/L	20	40	02/19/18 8:46	mh
Sulfate	D516-02/-07 - Turbidimetric	50	1370		*	mg/L	50	250	02/19/18 13:59	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 30-04R

ACZ Sample ID: **L42699-02**

Date Sampled: 02/13/18 09:54

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	545			mg/L	0.5	3	02/26/18 14:40	dcm
Magnesium, dissolved	M200.7 ICP	5	431			mg/L	1	5	02/26/18 14:40	dcm
Potassium, dissolved	M200.7 ICP	5	9			mg/L	1	5	02/26/18 14:40	dcm
Sodium, dissolved	M200.7 ICP	5	541			mg/L	1	5	02/26/18 14:40	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	672		*	mg/L	5	20	02/21/18 12:11	kea
Conductivity @25C	SM2510B	1	6250			umhos/cm	1	10	02/20/18 17:48	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4	8.22		*	mg/L	0.08	0.4	02/24/18 0:05	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	5730			mg/L	20	40	02/16/18 13:20	mh
Sulfate	D516-02/-07 - Turbidimetric	100	2720		*	mg/L	100	500	02/19/18 13:49	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: AW-1

ACZ Sample ID: **L42699-03**

Date Sampled: 02/13/18 10:41

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	636			mg/L	0.5	3	02/26/18 14:43	dcm
Magnesium, dissolved	M200.7 ICP	5	616			mg/L	1	5	02/26/18 14:43	dcm
Potassium, dissolved	M200.7 ICP	5	9			mg/L	1	5	02/26/18 14:43	dcm
Sodium, dissolved	M200.7 ICP	5	654			mg/L	1	5	02/26/18 14:43	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	753		*	mg/L	5	20	02/21/18 12:11	kea
Conductivity @25C	SM2510B	1	7590			umhos/cm	1	10	02/20/18 18:25	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	3	5.15		*	mg/L	0.06	0.3	02/24/18 0:06	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	7230			mg/L	20	40	02/16/18 13:23	mh
Sulfate	D516-02/-07 - Turbidimetric	100	3560		*	mg/L	100	500	02/19/18 13:49	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 32-02R

ACZ Sample ID: **L42699-04**

Date Sampled: 02/13/18 11:21

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	553			mg/L	0.5	3	02/26/18 14:47	dcm
Magnesium, dissolved	M200.7 ICP	5	729			mg/L	1	5	02/26/18 14:47	dcm
Potassium, dissolved	M200.7 ICP	5	11			mg/L	1	5	02/26/18 14:47	dcm
Sodium, dissolved	M200.7 ICP	5	781			mg/L	1	5	02/26/18 14:47	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	764		*	mg/L	5	20	02/21/18 12:11	kea
Conductivity @25C	SM2510B	1	8230			umhos/cm	1	10	02/20/18 18:27	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	4	7.07		*	mg/L	0.08	0.4	02/24/18 0:07	pjb
Residue, Filterable (TDS) @180C	SM2540C	5	8450			mg/L	50	100	02/16/18 13:26	mh
Sulfate	D516-02/-07 - Turbidimetric	100	3920		*	mg/L	100	500	02/19/18 13:49	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 30-47

ACZ Sample ID: **L42699-05**

Date Sampled: 02/13/18 13:06

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	2	392			mg/L	0.2	1	02/26/18 14:56	dcm
Magnesium, dissolved	M200.7 ICP	2	170			mg/L	0.4	2	02/26/18 14:56	dcm
Potassium, dissolved	M200.7 ICP	2	8.6			mg/L	0.4	2	02/26/18 14:56	dcm
Sodium, dissolved	M200.7 ICP	2	243			mg/L	0.4	2	02/26/18 14:56	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	765		*	mg/L	5	20	02/21/18 12:12	kea
Conductivity @25C	SM2510B	1	4620		*	umhos/cm	1	10	02/20/18 18:28	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1		U	*	mg/L	0.02	0.1	02/23/18 23:38	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	3910			mg/L	20	40	02/16/18 13:30	mh
Sulfate	D516-02/-07 - Turbidimetric	50	1820		*	mg/L	50	250	02/19/18 14:03	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 30-48

ACZ Sample ID: **L42699-06**

Date Sampled: 02/13/18 16:50

Date Received: 02/15/18

Sample Matrix: Ground Water

## Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	2	606			mg/L	0.2	1	02/26/18 15:00	dcm
Magnesium, dissolved	M200.7 ICP	2	78.2			mg/L	0.4	2	02/26/18 15:00	dcm
Potassium, dissolved	M200.7 ICP	2	4.9			mg/L	0.4	2	02/26/18 15:00	dcm
Sodium, dissolved	M200.7 ICP	2	90.6			mg/L	0.4	2	02/26/18 15:00	dcm

## Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	694		*	mg/L	5	20	02/21/18 12:12	kea
Conductivity @25C	SM2510B	1	4300			umhos/cm	1	10	02/20/18 18:30	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1		U	*	mg/L	0.02	0.1	02/23/18 23:39	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	3730			mg/L	10	20	02/16/18 16:23	enb
Sulfate	D516-02/-07 - Turbidimetric	100	1930		*	mg/L	100	500	02/19/18 14:11	kea

**Rio Algom Mining Company**

Project ID: 450269253  
Sample ID: 32-50-TBR-R

ACZ Sample ID: **L42699-07**  
Date Sampled: 02/13/18 17:45  
Date Received: 02/15/18  
Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	513			mg/L	0.5	3	02/26/18 15:03	dcm
Magnesium, dissolved	M200.7 ICP	5	417			mg/L	1	5	02/26/18 15:03	dcm
Potassium, dissolved	M200.7 ICP	5	4	B		mg/L	1	5	02/26/18 15:03	dcm
Sodium, dissolved	M200.7 ICP	5	619			mg/L	1	5	02/26/18 15:03	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	610		*	mg/L	5	20	02/21/18 12:12	kea
Conductivity @25C	SM2510B	1	6190			umhos/cm	1	10	02/20/18 18:32	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	3.64		*	mg/L	0.02	0.1	02/23/18 23:44	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	5820			mg/L	20	40	02/16/18 16:25	enb
Sulfate	D516-02/-07 - Turbidimetric	100	2950		*	mg/L	100	500	02/19/18 14:11	kea



**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 31-71

ACZ Sample ID: **L42699-08**

Date Sampled: 02/14/18 08:53

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	543			mg/L	0.5	3	02/26/18 15:13	dcm
Magnesium, dissolved	M200.7 ICP	5	267			mg/L	1	5	02/26/18 15:13	dcm
Potassium, dissolved	M200.7 ICP	5	2	B		mg/L	1	5	02/26/18 15:13	dcm
Sodium, dissolved	M200.7 ICP	5	371			mg/L	1	5	02/26/18 15:13	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	565		*	mg/L	5	20	02/21/18 12:18	kea
Conductivity @25C	SM2510B	1	4810			umhos/cm	1	10	02/20/18 18:34	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.16		*	mg/L	0.02	0.1	02/23/18 23:46	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	4310			mg/L	20	40	02/16/18 16:27	enb
Sulfate	D516-02/-07 - Turbidimetric	100	2110		*	mg/L	100	500	02/19/18 14:11	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 31-05 R

ACZ Sample ID: **L42699-09**

Date Sampled: 02/14/18 09:37

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	522			mg/L	0.5	3	02/26/18 15:16	dcm
Magnesium, dissolved	M200.7 ICP	5	586			mg/L	1	5	02/26/18 15:16	dcm
Potassium, dissolved	M200.7 ICP	5	21			mg/L	1	5	02/26/18 15:16	dcm
Sodium, dissolved	M200.7 ICP	5	434			mg/L	1	5	02/26/18 15:16	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	10	588		*	mg/L	5	20	02/21/18 12:18	kea
Conductivity @25C	SM2510B	1	6660			umhos/cm	1	10	02/20/18 18:36	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	2.16		*	mg/L	0.02	0.1	02/23/18 23:47	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	6140			mg/L	20	40	02/16/18 16:29	enb
Sulfate	D516-02/-07 - Turbidimetric	100	3180		*	mg/L	100	500	02/19/18 14:11	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 31-70 R

ACZ Sample ID: **L42699-10**

Date Sampled: 02/14/18 10:22

Date Received: 02/15/18

Sample Matrix: Ground Water

## Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	5	628			mg/L	0.5	3	02/26/18 15:19	dcm
Magnesium, dissolved	M200.7 ICP	5	382			mg/L	1	5	02/26/18 15:19	dcm
Potassium, dissolved	M200.7 ICP	5	12			mg/L	1	5	02/26/18 15:19	dcm
Sodium, dissolved	M200.7 ICP	5	649			mg/L	1	5	02/26/18 15:19	dcm

## Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	50	1030		*	mg/L	30	100	02/21/18 12:20	kea
Conductivity @25C	SM2510B	1	6850			umhos/cm	1	10	02/20/18 18:38	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	30	56.4			mg/L	0.6	3	02/24/18 0:19	pjb
Residue, Filterable (TDS) @180C	SM2540C	2	5950			mg/L	20	40	02/16/18 16:31	enb
Sulfate	D516-02/-07 - Turbidimetric	100	2380		*	mg/L	100	500	02/19/18 14:11	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 32-69

ACZ Sample ID: **L42699-11**

Date Sampled: 02/14/18 11:23

Date Received: 02/15/18

Sample Matrix: Ground Water

## Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	10	624			mg/L	1	5	02/26/18 15:22	dcm
Magnesium, dissolved	M200.7 ICP	10	1080			mg/L	2	10	02/26/18 15:22	dcm
Potassium, dissolved	M200.7 ICP	10	15			mg/L	2	10	02/26/18 15:22	dcm
Sodium, dissolved	M200.7 ICP	10	1370			mg/L	2	10	02/26/18 15:22	dcm

## Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	50	1780		*	mg/L	30	100	02/21/18 12:20	kea
Conductivity @25C	SM2510B	1	11900			umhos/cm	1	10	02/20/18 18:40	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	10	26.4			mg/L	0.2	1	02/24/18 0:12	pjb
Residue, Filterable (TDS) @180C	SM2540C	5	11800			mg/L	50	100	02/16/18 16:33	enb
Sulfate	D516-02/-07 - Turbidimetric	400	4450		*	mg/L	400	2000	02/19/18 14:37	kea

**Rio Algom Mining Company**

Project ID: 450269253

Sample ID: 32-43N

ACZ Sample ID: **L42699-12**

Date Sampled: 02/14/18 12:06

Date Received: 02/15/18

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Calcium, dissolved	M200.7 ICP	10	649			mg/L	1	5	02/26/18 15:26	dcm
Magnesium, dissolved	M200.7 ICP	10	974			mg/L	2	10	02/26/18 15:26	dcm
Potassium, dissolved	M200.7 ICP	10	17			mg/L	2	10	02/26/18 15:26	dcm
Sodium, dissolved	M200.7 ICP	10	1180			mg/L	2	10	02/26/18 15:26	dcm

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	50	2070		*	mg/L	30	100	02/21/18 12:20	kea
Conductivity @25C	SM2510B	1	11200			umhos/cm	1	10	02/20/18 19:02	ecc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.14			mg/L	0.02	0.1	02/24/18 0:14	pjb
Residue, Filterable (TDS) @180C	SM2540C	5	10200			mg/L	50	100	02/16/18 16:35	enb
Sulfate	D516-02/-07 - Turbidimetric	100	3610		*	mg/L	100	500	02/19/18 14:05	kea


**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:

<http://www.acz.com/public/extquallist.pdf>

Rio Algom Mining Company

ACZ Project ID: **L42699**

**Calcium, dissolved**

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442419</b>													
WG442419ICV	ICV	02/26/18 14:15	II180208-1	100		98.06	mg/L	98	95	105			
WG442419ICB	ICB	02/26/18 14:21				U	mg/L		-0.3	0.3			
WG442419LFB	LFB	02/26/18 14:34	II180216-3	68.03333		68.02	mg/L	100	85	115			
L42699-04AS	AS	02/26/18 14:50	II180216-3	340.16665	553	887	mg/L	98	85	115			
L42699-04ASD	ASD	02/26/18 14:53	II180216-3	340.16665	553	892	mg/L	100	85	115	1	20	
L42714-02AS	AS	02/26/18 15:35	II180216-3	136.06666	305	438.2	mg/L	98	85	115			
L42714-02ASD	ASD	02/26/18 15:38	II180216-3	136.06666	305	441.8	mg/L	101	85	115	1	20	

**Chloride**

SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442243</b>													
WG442243ICB	ICB	02/21/18 10:39				U	mg/L		-1.5	1.5			
WG442243ICV	ICV	02/21/18 10:39	WI170807-5	55.165		59.08	mg/L	107	90	110			
WG442243LFB1	LFB	02/21/18 11:59	WI171229-5	30.03		30.87	mg/L	103	90	110			
L42700-02DUP	DUP	02/21/18 12:01			93.5	93.36	mg/L				0	20	
WG442243LFB2	LFB	02/21/18 12:03	WI171229-5	30.03		31.82	mg/L	106	90	110			
L42699-02DUP	DUP	02/21/18 12:11			672	677.3	mg/L				1	20	
L42699-01AS	AS	02/21/18 12:18	WI171229-5	1501.5	1820	1806	mg/L	-1	90	110			M3
L42700-01AS	AS	02/21/18 12:20	WI171229-5	1501.5	1040	1037	mg/L	0	90	110			M3

**Conductivity @25C**

SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442195</b>													
WG442195LCSW2	LCSW	02/20/18 15:36	PCN54817	1408		1440	umhos/cm	102	90	110			
L42699-02DUP	DUP	02/20/18 17:59			6250	6210	umhos/cm				1	20	
WG442195LCSW5	LCSW	02/20/18 18:03	PCN54817	1408		1420	umhos/cm	101	90	110			
L42699-12DUP	DUP	02/20/18 19:24			11200	11200	umhos/cm				0	20	
WG442195LCSW8	LCSW	02/20/18 21:02	PCN54817	1408		1400	umhos/cm	99	90	110			
WG442195LCSW11	LCSW	02/21/18 0:42	PCN54817	1408		1390	umhos/cm	99	90	110			
WG442195LCSW14	LCSW	02/21/18 2:46	PCN54817	1408		1380	umhos/cm	98	90	110			

**Magnesium, dissolved**

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442419</b>													
WG442419ICV	ICV	02/26/18 14:15	II180208-1	100		98.2	mg/L	98	95	105			
WG442419ICB	ICB	02/26/18 14:21				U	mg/L		-0.6	0.6			
WG442419LFB	LFB	02/26/18 14:34	II180216-3	50.05743		46.66	mg/L	93	85	115			
L42699-04AS	AS	02/26/18 14:50	II180216-3	250.28715	729	960.5	mg/L	92	85	115			
L42699-04ASD	ASD	02/26/18 14:53	II180216-3	250.28715	729	965.5	mg/L	94	85	115	1	20	
L42714-02AS	AS	02/26/18 15:35	II180216-3	100.11486	118	213.4	mg/L	95	85	115			
L42714-02ASD	ASD	02/26/18 15:38	II180216-3	100.11486	118	214.6	mg/L	96	85	115	1	20	

Rio Algom Mining Company

ACZ Project ID: **L42699**

**Nitrate/Nitrite as N** M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442428</b>													
WG442428ICV	ICV	02/23/18 19:47	WI171215-1	2.416		2.415	mg/L	100	90	110			
WG442428ICB	ICB	02/23/18 19:48				U	mg/L		-0.02	0.02			
<b>WG442432</b>													
WG442432LFB	LFB	02/23/18 23:27	WI180103-12	2		2.034	mg/L	102	90	110			
L42699-01DUP	DUP	02/23/18 23:33			U	U	mg/L				0	20	RA
L42691-01AS	AS	02/24/18 0:03	WI180103-12	10	5.4	15.76	mg/L	104	90	110			
L42699-11DUP	DUP	02/24/18 0:13			26.4	26.43	mg/L				0	20	
L42699-10AS	AS	02/24/18 0:25	WI180103-12	60	56.4	116.34	mg/L	100	90	110			

**Potassium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442419</b>													
WG442419ICV	ICV	02/26/18 14:15	II180208-1	20		19.79	mg/L	99	95	105			
WG442419ICB	ICB	02/26/18 14:21				U	mg/L		-0.6	0.6			
WG442419LFB	LFB	02/26/18 14:34	II180216-3	100.0094		99.05	mg/L	99	85	115			
L42699-04AS	AS	02/26/18 14:50	II180216-3	500.047	11	516	mg/L	101	85	115			
L42699-04ASD	ASD	02/26/18 14:53	II180216-3	500.047	11	517	mg/L	101	85	115	0	20	
L42714-02AS	AS	02/26/18 15:35	II180216-3	200.0188	5.9	219.8	mg/L	107	85	115			
L42714-02ASD	ASD	02/26/18 15:38	II180216-3	200.0188	5.9	220.6	mg/L	107	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
<b>WG442007</b>													
WG442007PBW	PBW	02/16/18 12:34				U	mg/L		-20	20			
WG442007LCSW	LCSW	02/16/18 12:37	PCN55383	260		260	mg/L	100	80	120			
L42700-05DUP	DUP	02/16/18 13:49			8280	8270	mg/L				0	10	
<b>WG442029</b>													
WG442029PBW	PBW	02/16/18 16:20				U	mg/L		-20	20			
WG442029LCSW	LCSW	02/16/18 16:21	PCN55383	260		262	mg/L	101	80	120			
L42703-01DUP	DUP	02/16/18 16:43			2400	2390	mg/L				0	10	
<b>WG442055</b>													
WG442055PBW	PBW	02/19/18 8:28				U	mg/L		-20	20			
WG442055LCSW	LCSW	02/19/18 8:30	PCN55383	260		254	mg/L	98	80	120			
L42704-01DUP	DUP	02/19/18 9:00			2430	2430	mg/L				0	10	

**Sodium, dissolved** M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442419</b>													
WG442419ICV	ICV	02/26/18 14:15	II180208-1	100		99.24	mg/L	99	95	105			
WG442419ICB	ICB	02/26/18 14:21				U	mg/L		-0.6	0.6			
WG442419LFB	LFB	02/26/18 14:34	II180216-3	100.0062		99.8	mg/L	100	85	115			
L42699-04AS	AS	02/26/18 14:50	II180216-3	500.031	781	1284.5	mg/L	101	85	115			
L42699-04ASD	ASD	02/26/18 14:53	II180216-3	500.031	781	1283	mg/L	100	85	115	0	20	
L42714-02AS	AS	02/26/18 15:35	II180216-3	200.0124	80.6	293.4	mg/L	106	85	115			
L42714-02ASD	ASD	02/26/18 15:38	II180216-3	200.0124	80.6	293.4	mg/L	106	85	115	0	20	



Rio Algom Mining Company

ACZ Project ID: **L42699**

**Sulfate**

D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
<b>WG442091</b>													
WG442091ICB	ICB	02/19/18 13:24				U	mg/L		-3	3			
WG442091ICV	ICV	02/19/18 13:24	WI180207-2	20		19.3	mg/L	97	90	110			
WG442091LFB	LFB	02/19/18 13:41	WI171212-5	10		9	mg/L	90	90	110			
L39579-22DUP	DUP	02/19/18 13:41			11	11	mg/L				0	20	
L41360-13AS	AS	02/19/18 13:41	WI171212-5	10	U	8.5	mg/L	85	90	110			M2
L42699-10DUP	DUP	02/19/18 14:13			2380	2380	mg/L				0	20	
L42699-11AS	AS	02/19/18 14:37	WI171212-5	4000	4450	3590	mg/L	-22	90	110			M3

Rio Algom Mining Company

ACZ Project ID: **L42699**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
<b>L42699-01</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-02</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-03</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-04</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-05</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442195	Conductivity @25C	SM2510B	ZW	Method deviation. The sample was centrifuged prior to analysis due to high solid content.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-06</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Rio Algom Mining Company

ACZ Project ID: **L42699**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
<b>L42699-07</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-08</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-09</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442432	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	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).
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-10</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-11</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
<b>L42699-12</b>	WG442243	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG442091	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

**Rio Algom Mining Company**

ACZ Project ID: **L42699**

No certification qualifiers associated with this analysis

**Rio Algom Mining Company**  
450269253

ACZ Project ID: L42699  
Date Received: 02/15/2018 11:38  
Received By:  
Date Printed: 2/16/2018

#### Receipt Verification

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

#### Samples/Containers

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

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?
4479	4.3	<=6.0	16	Yes
4834	2.6	<=6.0	13	Yes
5293	4.1	<=6.0	14	Yes

Was ice present in the shipment container(s)?

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

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

**Rio Algom Mining Company**  
450269253

ACZ Project ID: L42699  
Date Received: 02/15/2018 11:38  
Received By:  
Date Printed: 2/16/2018

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



**Laboratories, Inc.** L42699

CHAIN of CUSTODY

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

Report to:

Name: Kent Applegate  
Company: Rio Algom Mining LLC  
E-mail: Kent.KC.Applegate@bhpbilliton.com

Address: PO Box 218  
Grants, NM 87020  
Telephone: 1-505-287-8851

Copy of Report to:

Name: Michaela Gorospe/Clark Short  
Company: INTERA, INC.

E-mail: See remarks  
Telephone: 505-246-1600 x1207

Invoice to:

Name: Kent Applegate  
Company: Rio Algom Mining LLC  
E-mail: Kent.KC.Applegate@BHPBilliton.com

Address: PO Box 218  
Grants, NM 87020  
Telephone: 1-505-287-8851

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 instructions. 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: Kara Tumb Sampler's Site Information State NM Zip code 87020 Time Zone MST

\*Sampler's Signature: Kara Tumb

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

PROJECT INFORMATION

Quote #: 58134

PO#: 4502490253

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

SAMPLE IDENTIFICATION	DATE-TIME	Matrix	# of Containers	SAP-GW	UNMED														
32-41	2/13/2018 0906	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30-04R	2/13/2018 0954	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AW-1	2/13/2018 1041	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32-02R	2/13/2018 1121	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30-47	2/13/2018 1306	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30-48	2/13/2018 1650	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32-50 TRB-R	2/13/2018 1745	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31-71	2/14/2018 0853	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31-05R	2/14/2018 0937	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31-70R	2/14/2018 1022	GW	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

REMARKS

RAML COC#: 17-34. Note different COC's may have different PO's. Shipment of 4 Coolers.

Please CC report to: cshort@intera.com, apersico@intera.com, Michaela.Gorospe@bhpbilliton.com

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

RELINQUISHED BY:

DATE-TIME

RECEIVED BY:

DATE-TIME

Kara Tumb 2/14/18 1000 [Signature] 2/15/18 11:35

FRMAD050.06.14.14

White - Return with sample.

Yellow - Retain for your records.

L42699 Chain of Custody

