Rio Algom Mining LLC

March 30, 2010

Certified Mail Return Receipt (7006 0100 0002 9977 4899)

Mr. Jerry Schoeppner Groundwater Quality Section New Mexico Environment Department P.O. Box 26110 Santa Fe, NM 87502

Re: Discharge Plan - 71

Analytical Results – 1st Quarter 2010

Dear Mr. Schoeppner,

Please find attached the 1st quarter groundwater monitoring report for the Section 4 lined evaporation ponds at the Ambrosia Lake mill facility. This report includes the quarterly reporting requirements for discharge permit DP-71.

If you have any questions or need additional information, please call me at 505-287-8851, ext 15.

Regards,

Chuck Wentz

Environmental Department Supervisor

Radiation Safety Officer

The Wants

Attachment: As stated

xc: NRC (Mr. Tom McLaughlin)

NRC (document control)

file

IE25

Summary of Activities

This report presents the results of the monitoring and sampling requirements associated with discharge permit DP-71 for the period encompassing the 1st quarter of 2010. DP-71 permit renewal was approved on December 1, 2003 and monitoring requirements were expanded from previous monitoring commitments listed in the permit. This has resulted in acquiring data that was not obtained in past monitoring programs.

Activities associated with the Section 4 lined evaporation ponds consisted of sampling Monitor Wells 22 and 32.

All wells associated with the permit were dry or contained insufficient water for sample collection except for two wells. These wells were MW-22 and MW-32. Laboratory/analytical results for the quarterly sample events were provided by ACZ Laboratories. A table summarizing the data is attached and copies of the laboratory reports are included with this submittal.

Time versus concentration plots for chloride, sulfate, TDS, and hydrographs for MW-22, MW-26, and MW-32 are attached. Since all other wells continue to be dry, Rio Algom wishes to incorporate the hydrographs for the other wells associated with DP-71 that were included within the April 3, 2006 submittal.

Due to the lack of any water in the alluvium in the Section 4 Pond area, development of a potentiometric map for the alluvium was not undertaken. Since mine dewatering from mines northeast of the Section 4 Ponds ceased in 1985, the alluvium in the vicinity of the Section 4 Ponds has drained, which is reflected in the historical water level data obtained from the monitoring wells associated with the Section 4 Ponds.

Analytical Data

DP-71

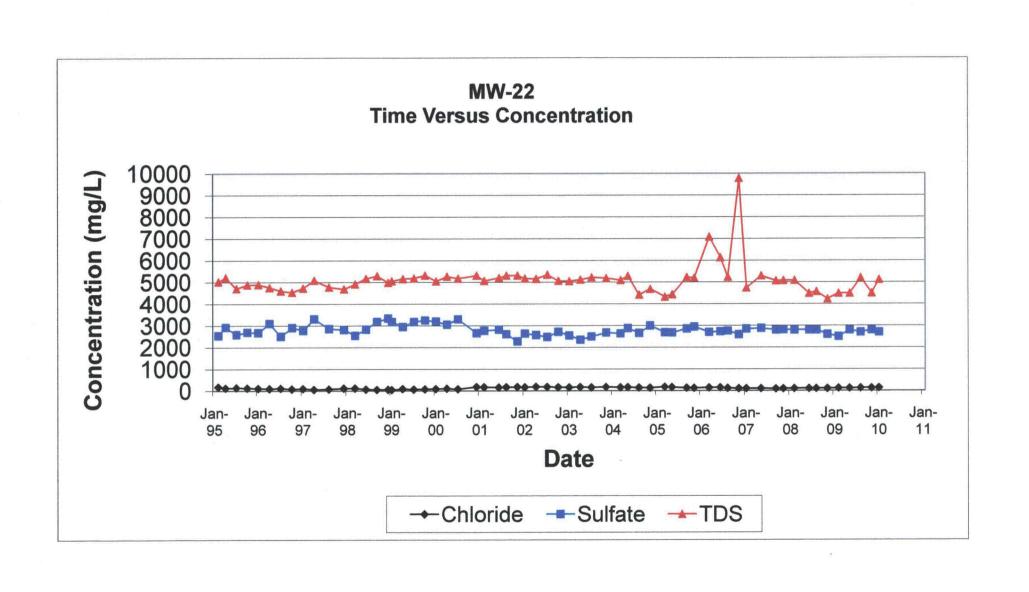
RIO ALGOM MINING LLC DISCHARGE PERMIT - DP-71 MONITORING RESULTS - First QUARTER 2010

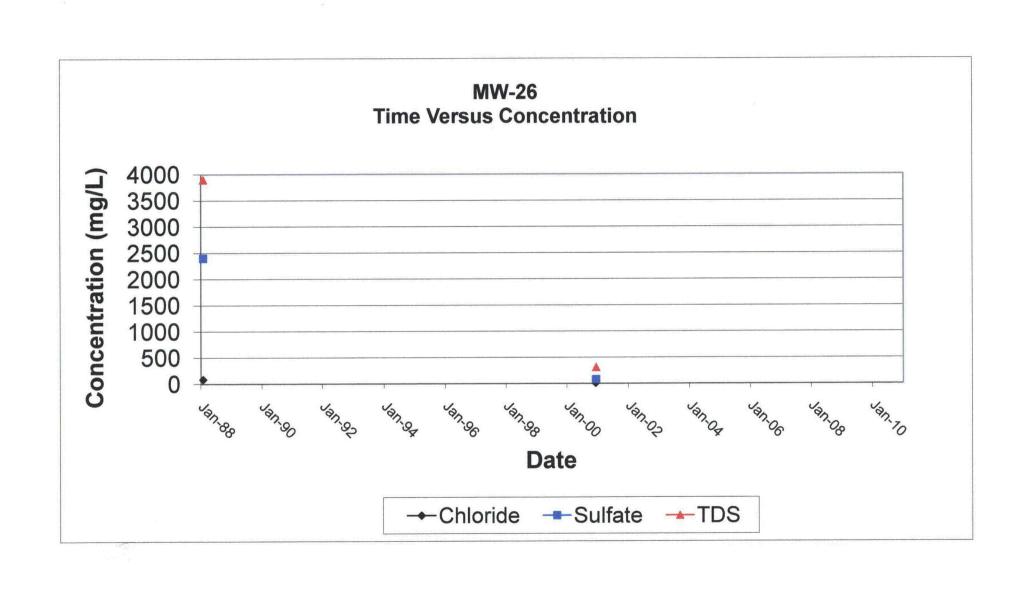
| | | Depth to | Total | | | | Spec. | | | | | | | |
|-----------|----------|----------|-------|--------|--------|-------|-------|----------|---------|--------|---------|---------|----------|---------|
| | | Water | Depth | WELL | pН | Temp. | Cond. | Chloride | Sulfate | TDS | Nitrate | Arsenic | Selenium | Uranium |
| Date | Location | (ft) | (ft) | STATUS | (s.u.) | (C) | (uS) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| 1/12/2010 | MW-12 | | 13.00 | NS | | | | | | | | | | |
| 1/11/2010 | MW-13 | | 29.27 | NS | | | | | | | | | | |
| 1/12/2010 | MW-22 | 35.39 | 36.85 | | 7.23 | 12.4 | 5130 | 140 | 2700 | 5120 | 14.4 | 0.004 | 0.105 | 0.0387 |
| 1/12/2010 | MW-23 | | 41.73 | NS | | | | | | | | | | |
| 1/12/2010 | MW-24 | | 50.11 | NS | | | | | | | | | | |
| 1/12/2010 | MW-25 | | 29.62 | NS | | | | | | | | | | |
| 1/12/2010 | MW-26 | | 35.25 | NS | | | | , | | | | | | İ |
| 1/11/2010 | MW-27 | | 27.85 | NS | | | | | | | | | | |
| 1/11/2010 | MW-28 | | 32.48 | NS | | | | , ' | .2 | | | | | |
| 1/11/2010 | MW-29 | | 29.29 | NS | | | | | | | | • | | |
| 1/11/2010 | MW-30 | | 40.99 | NS | | | | | | | | | | |
| 1/12/2010 | MW-31 | | 50.51 | NS | | | | | | | | | | |
| 1/12/2010 | MW-32 | 68.05 | 71.61 | | 7.21 | 13.0 | 5080 | 120 | 2600 | 5220 | 46.6 | 0.008 | 0.243 | 0.0738 |
| 1/12/2010 | MW-33 | | 59.31 | NS | | | | | | | | | | |

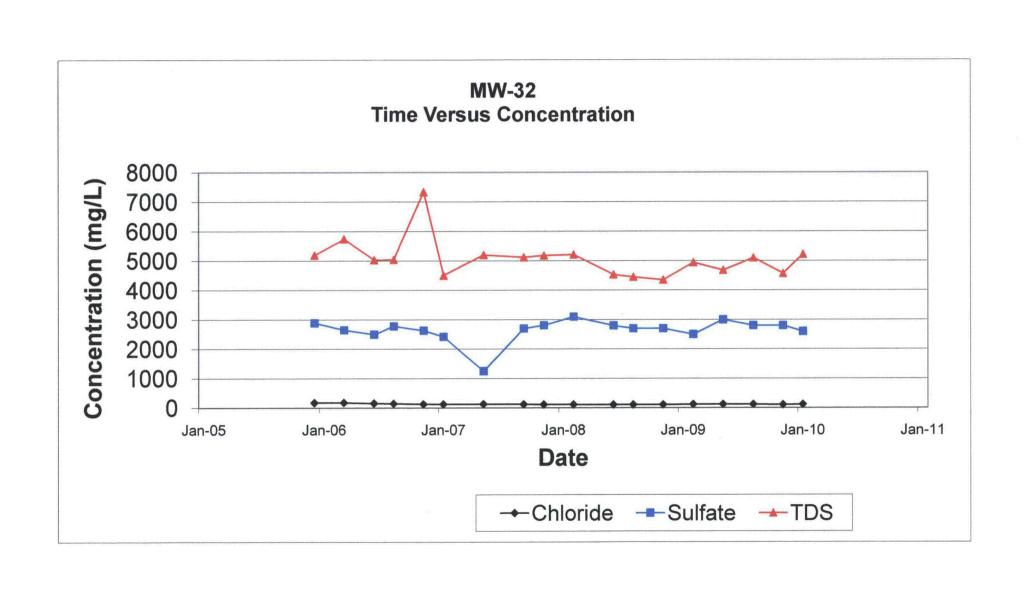
Notes

- Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.
 Monitor wells MW-1 through MW-11, MW-14 through MW-21 plugged and abandoned for the lined pond relocation project.

Time versus Concentration Plots MW-22, MW-26, and MW-32





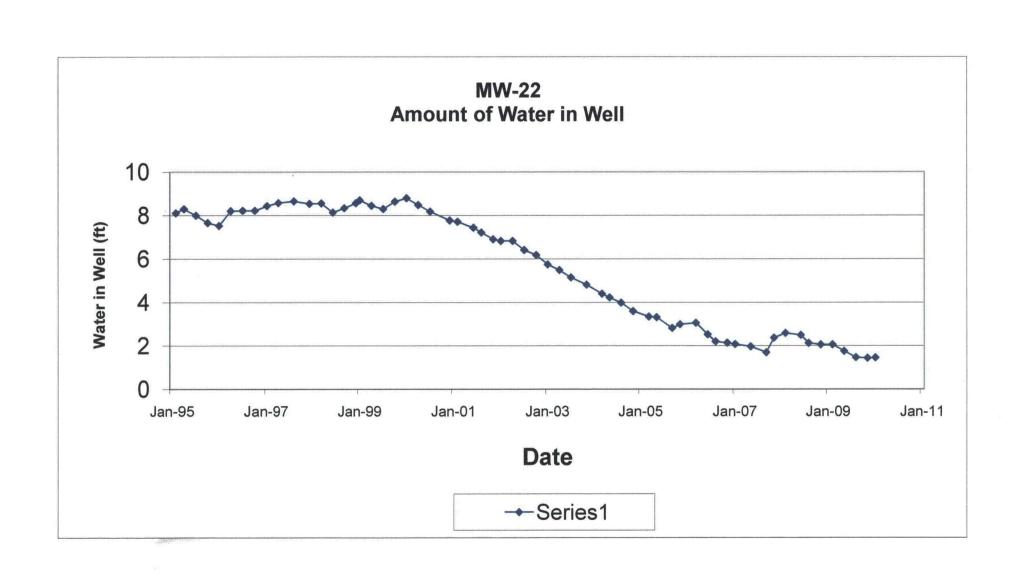


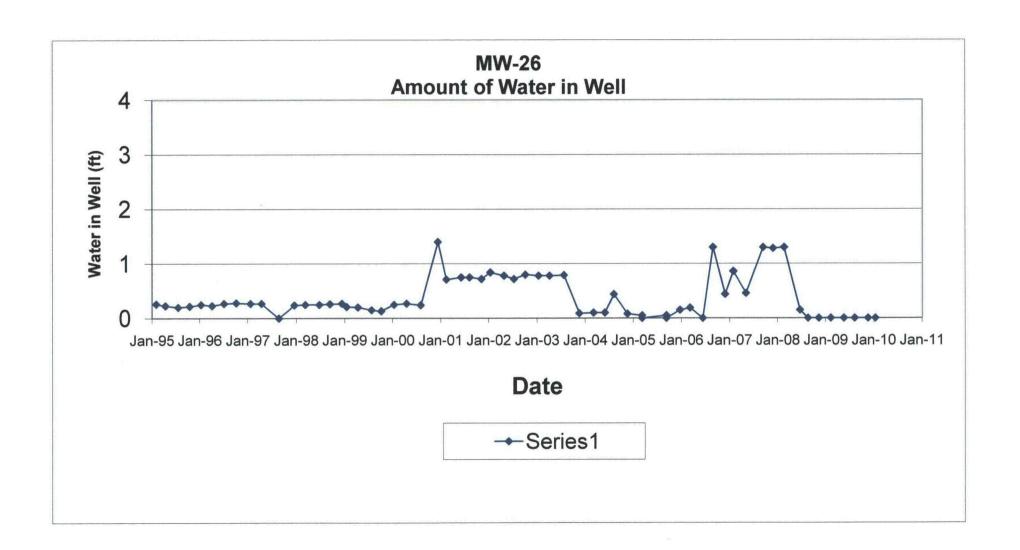
Hydrographs

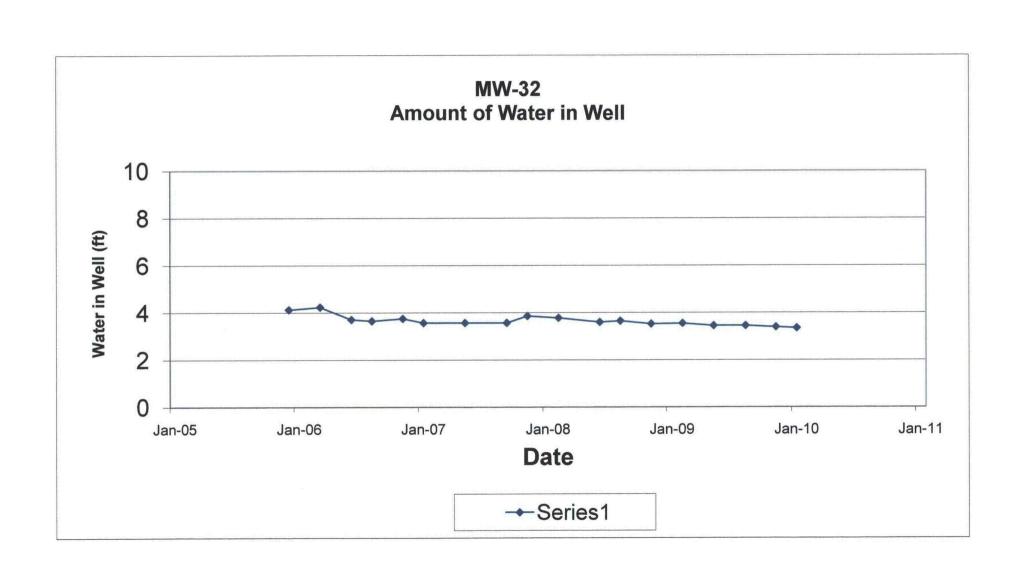
DP-71 Well Network

MW-22, MW-26, and MW-32

Since all other wells continue to be dry, Rio Algom wishes to incorporate the hydrographs for the other wells associated with DP-71 that were included within the April 3, 2006 submittal as part of this submittal.







Laboratory Reports

DP-71





January 25, 2010

Report to:

Chuck Wentz
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

Project ID: 58121

ACZ Project ID: L80275

Chuck Wentz:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 14, 2010. This project has been assigned to ACZ's project number, L80275. 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 L80275. 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 February 25, 2010. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/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 reports for five years.

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

S. Havenahl

Scott Habermehl has reviewed and approved this report.







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

Recults

Rio Algom Mining Company

Project ID:

58121

Sample ID:

MW-32

ACZ Sample ID: L80275-01

Date Sampled:

01/12/10 09:14

Date Received:

01/14/10

Sample Matrix: Ground Water

Metals Analysis

| Parameter | (Bolleman) | RED | emel : | | | ୍ :୧୧५ | $\omega \sim 1000$ | Delyer |
|---------------------|---------------|--------|--------|------|--------|--------|--------------------|--------|
| Arsenic, dissolved | M200.8 ICP-MS | 0.008 | В | mg/L | 0.003 | 0.01 | 01/20/10 20:24 | erf |
| Selenium, dissolved | M200.8 ICP-MS | 0.2430 | | mg/L | 0.0005 | 0.003 | 01/20/10 20:24 | erf |
| Uranium, dissolved | M200.8 ICP-MS | 0.0738 | | mg/L | 0.0005 | 0.003 | 01/20/10 20:24 | erf |

Wet Chemistry

| Parameter . | | अस्ट्रिया (० | igil 800 | Units ! | | POL | Date : 1 | Anther |
|------------------------------------|--------------------------|--------------|----------|---------|-----|-----|----------------|--------|
| Chloride | SM4500CI-E | 120 | * | mg/L | 10 | 50 | 01/20/10 16:55 | aml |
| Nitrate/Nitrite as N | M353.2 - H2SO4 preserved | 46.6 | * | mg/L | 0.6 | 3 | 01/21/10 22:27 | pjb |
| Residue, Filterable (TDS) @180C | SM2540C | 5220 | * | mg/L | 10 | 20 | 01/15/10 12:31 | jjc |
| Sulfate | 375.4 - Turbidimetric | 2600 | * | mg/L | 100 | 500 | 01/19/10 16:41 | aml |

Rio Algom Mining Company

Project ID:

58121

Sample ID:

MW-22

ACZ Sample ID: L80275-02

Date Sampled:

01/12/10 10:35

Date Received: 01/14/10

Sample Matrix: Ground Water

| | lysis |
|--|-------|
| | |
| | |

| Parameter | EPA Method | je je salovje | Reside | (Pref) 13(9) | alligu . | MOL, | POL | 'Dato | Analysi |
|---------------------|---------------|---------------|--------|--------------|----------|--------|-------|----------------|---------|
| Arsenic, dissolved | M200.8 ICP-MS | | 0.004 | В | mg/L | 0.003 | 0.01 | 01/20/10 20:29 | erf |
| Selenium, dissolved | M200.8 ICP-MS | | 0.1050 | | mg/L | 0.0005 | 0.003 | 01/20/10 20:29 | erf |
| Uranium, dissolved | M200.8 ICP-MS | | 0.0387 | | mg/L | 0.0005 | 0.003 | 01/20/10 20:29 | erf |

Wet Chemistry

| Trot Ottomoby | | | | | | | | |
|---------------------------------|--------------------------|---------|-------|--------|-----|------|----------------|---------|
| Paramoter . | EPA Mannod | Redl Qu | 1 230 | े Vale | MOL | 15@P | Date : | Analyst |
| Chloride | SM4500CI-E | 140 | * | mg/L | 10 | 50 | 01/20/10 16:55 | aml |
| Nitrate/Nitrite as N | M353.2 - H2SO4 preserved | 14.4 | * | mg/L | 0.2 | 1 | 01/21/10 22:10 | pjb |
| Residue, Filterable (TDS) @180C | SM2540C | 5120 | * | mg/L | 10 | 20 | 01/15/10 12:31 | jjc |
| Sulfate | 375.4 - Turbidimetric | 2700 | * | mg/L | 100 | 500 | 01/19/10 16:41 | aml |



Laboratories, Inc.

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

| Batch | A distinct set of samples analyzed at a specific time | | | | | | | | |
|------------------------------------|---|---------------------------------------|--|--|--|--|--|--|--|
| Found | Value of the QC Type of interest | | | | | | | | |
| Limit | Upper limit for RPD, in %. | | | | | | | | |
| Lower | Lower Recovery Limit, in % (except for LCSS, mg/Kg) | | | | | | | | |
| MDL | Method Detection Limit. Same as Minimum Reporting Limit. | Allows for instrum | ent and annual fluctuations. | | | | | | |
| PCN/SCN | A number assigned to reagents/standards to trace to the man | ufacturer's certifica | ate of analysis | | | | | | |
| PQL | Practical Quantitation Limit, typically 5 times the MDL. | | | | | | | | |
| QC | True Value of the Control Sample or the amount added to the Spike | | | | | | | | |
| Rec | Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg) | | | | | | | | |
| RPD | Relative Percent Difference, calculation used for Duplicate QC Types | | | | | | | | |
| Upper | Upper Recovery Limit, in % (except for LCSS, mg/Kg) | | | | | | | | |
| Sample | e Value of the Sample of interest | | | | | | | | |
| e Semple Ty | | | | | | | | | |
| AS | Analytical Spike (Post Digestion) | LCSWD | Laboratory Control Sample - Water Duplicate | | | | | | |
| ASD | Analytical Spike (Post Digestion) Duplicate | LFB | Laboratory Fortified Blank | | | | | | |
| CCB | Continuing Calibration Blank | LFM | Laboratory Fortified Matrix | | | | | | |
| | | | | | | | | | |
| CCV | Continuing Calibration Verification standard | ,·,· | | | | | | | |
| CCV DUP | Continuing Calibration Verification standard Sample Duplicate | LFMD LRB | Laboratory Fortified Matrix Duplicate Laboratory Reagent Blank | | | | | | |
| | • | | • | | | | | | |
| DUP | Sample Duplicate | LRB | Laboratory Reagent Blank | | | | | | |
| DUP ICB | Sample Duplicate Initial Calibration Blank | LRB MS | Laboratory Reagent Blank Matrix Spike | | | | | | |
| DUP ICB ICV | Sample Duplicate Initial Calibration Blank Initial Calibration Verification standard | LRB MS MSD | Laboratory Reagent Blank Matrix Spike Matrix Spike Duplicate | | | | | | |
| DUP ICB ICV ICSAB | Sample Duplicate Initial Calibration Blank Initial Calibration Verification standard Inter-element Correction Standard - A plus B solutions | LRB MS MSD PBS | Laboratory Reagent Blank Matrix Spike Matrix Spike Duplicate Prep Blank - Soil | | | | | | |
| DUP ICB ICV ICSAB LCSS | Sample Duplicate Initial Calibration Blank Initial Calibration Verification standard Inter-element Correction Standard - A plus B solutions Laboratory Control Sample - Soil | LRB MS MSD PBS PBW | Laboratory Reagent Blank Matrix Spike Matrix Spike Duplicate Prep Blank - Soil Prep Blank - Water | | | | | | |
| DUP ICB ICV ICSAB LCSS LCSSD LCSW | Sample Duplicate Initial Calibration Blank Initial Calibration Verification standard Inter-element Correction Standard - A plus B solutions Laboratory Control Sample - Soil Laboratory Control Sample - Soil Duplicate | LRB MS MSD PBS PBW PQV | Laboratory Reagent Blank Matrix Spike Matrix Spike Duplicate Prep Blank - Soil Prep Blank - Water Practical Quantitation Verification standard | | | | | | |

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.

XeZerellina (crei)

- R Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
 - Н Analysis exceeded method hold time. pH is a field test with an immediate hold time.
 - 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.

Welled 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.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998). (6)

Comments

- QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations. (1)
- (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.

For a complete list of ACZ's Extended Qualifiers, please click:

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

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



Rio Algom Mining Company

Project ID:

58121

| AC7 | Project | ID: | 1 80275 |
|-----|---------|-----|---------|

| Arsenic, dissolv | ed | | M200.8 1CF | P-MS | | | | | | | | | |
|--------------------|------------|----------------|------------|------------|----------|----------|-----------|--------|------------|--------------|--------|---------------|----------|
| agzid | DOD | Andysod | Pensen | ୍ଜ୍ୱେ | -Sample | Found | endu | ∴Ræ. | 'Jointes (| Uppar | ্রাঞ | ्तिण्या " | මුණ් |
| WG277041 | | | | | | | | | • | | | | |
| WG277041ICV | ICV | 01/20/10 18:55 | MS100114-9 | .05 | | .05255 | mg/L | 105.1 | 90 | 110 | | | |
| WG277041ICB | ICB | 01/20/10 19:00 | | | | U | mg/L | | -0.0011 | 0.0011 | | | |
| WG277041LFB | LFB | 01/20/10 19:10 | MS100114-5 | .05005 | | .04932 | mg/L | 98.5 | 85 | 115 | | | |
| L80275-02AS | AS | 01/20/10 20:34 | MS100114-5 | .25025 | .004 | .2469 | mg/L | 97.1 | 70 | 130 | | | |
| L80275-02ASD | ASD | 01/20/10 20:39 | MS100114-5 | .25025 | .004 | .2463 | mg/L | 96.8 | 70 | 130 | 0.24 | 20 | |
| Chloride | | | SM4500CI- | E | | | | | | | | | |
| AG SID | -TXXX | Annyago | (Sence) | _ @ | Simple) | 1500000 | one. | ୍ ଲେକ | (Eowati | ्याका | ুয়েকু | Minte | |
| WG277061 | | | | | | | | | | | | | |
| WG277061ICB | ICB | 01/20/10 16:13 | | | | U | mg/L | | -3 | 3 | | | |
| WG277061ICV | ICV | 01/20/10 16:13 | WI091019-2 | 54.835 | | 58.4 | mg/L | 106.5 | 90 | 110 | | | |
| WG277061LFB1 | LFB | 01/20/10 16:36 | WI091019-4 | 30 | | 32.5 | mg/L | 108.3 | 90 | 110 | | | |
| WG277061LFB2 | LFB | 01/20/10 16:40 | Wi091019-4 | 30 | | 31 | mg/L | 103.3 | 90 | 110 | | | |
| L80273-07AS | AS | 01/20/10 16:40 | WI091019-4 | 30 | 10 | 44.8 | mg/L | 116 | 90 | 110 | | | M |
| L80273-08DUP | DUP | 01/20/10 16:40 | | | 5 | 4.5 | mg/L | | | | 10.5 | 20 | R. |
| Nitrate/Nitrite as | N | | M353.2 - H | 2SO4 pr | eserved | | | | | | | | |
| ace in | gytte . | Ampred . | Peneen | ୍ ୧୭ | Simple | Found | Odice | য়ে≎ ⁴ | Lower | Oppor | RPD | . Omly | (One) |
| WG277113 | | | | | | | | | | | | | |
| WG277113ICV | ICV | 01/21/10 19:28 | WI091222-1 | 2.416 | | 2.24 | mg/L | 92.7 | 90 | 110 | | | |
| WG277113ICB | ICB | 01/21/10 19:30 | | | | U | mg/L | | -0.06 | 0.06 | | | |
| WG277115 | | | | | | | | | | | | | |
| WG277115LFB1 | LFB | 01/21/10 21:30 | WI090918-6 | 2 | | 1.978 | mg/L | 98.9 | 90 | 110 | | | |
| L80274-05AS | AS | 01/21/10 21:53 | WI090918-6 | 30 | 28.2 | 58.96 | mg/L | 102.5 | 90 | 110 | | | |
| L80274-06DUP | DUP | 01/21/10 21:55 | | | 30.3 | 30.42 | mg/L | | | | 0.4 | 20 | |
| WG277115LFB2 | LFB | 01/21/10 22:12 | WI090918-6 | 2 | | 1.974 | mg/L | 98.7 | 90 | 110 | | | |
| L80296-01AS | AS | 01/21/10 22:14 | WI090918-6 | 30 | 29.1 | 58.39 | mg/L | 97.6 | 90 | 110 | | | |
| L80296-02DUP | DUP | 01/21/10 22:17 | | | 36.4 | 36.38 | mg/L | | | | 0.1 | 20 | |
| Residue, Filtera | ble (TDS | 5) @180C | SM2540C | | | | | | | | | | |
| 4 0 200 | COMF. | Amelyeed | . Pansan | · @ | . Sample | (Found) | Ode : | Ged. | , Lower | Uppar | | ंता <u>पा</u> |) (Opt.) |
| WG276903 | | | | | | | | | | | | | |
| WG276903PBW | PBW | 01/15/10 12:20 | | | | U | mg/L | | -20 | 20 | | | |
| WG276903LCSW | LCSW | 01/15/10 12:20 | PCN33552 | 260 | | 266 | mg/L | 102.3 | 80 | 120 | | | |
| L80289-01DUP | DUP | 01/15/10 12:34 | | | 230 | 228 | mg/L | | | | 0.9 | 20 | |
| Selenium, disso | lved | | M200.8 ICI | P-MS | | | | | | | | | - |
| A@ZID | ্ট্রিট্র | Anelyzed | PONEON | ୍ଡ | Sample | , Lowing | Confice . | Rec. | Lower | Oppor | æ | Lang. | මුණ් : |
| WG277041 | | | | | | | | | | | | | |
| WG277041ICV | ICV | 01/20/10 18:55 | MS100114-9 | .05 | | .05442 | mg/L | 108.8 | 90 | 110 | | | |
| WG2770411CB | ICB | 01/20/10 19:00 | | | | U | mg/L | | -0.00022 | 0.00022 | | | |
| WG277041LFB | LFB | 01/20/10 19:10 | MS100114-5 | .05005 | | .04825 | mg/L | 96.4 | 85 | 115 | | | |
| L80275-02AS | AS | 01/20/10 20:34 | MS100114-5 | .25025 | .105 | .3374 | mg/L | 92.9 | 70 | 130 | | | |
| | | | | | | | | | | | | | |

2773 Downhill Drive Steamboat Springs, CO 80487

(800) 334-5493

375.4 - Turbidimetric

20.08

10

10

WI100114-4

WI091020-3

SO4TURB5

lnorganie QC:

8.5

20

RA

Rio Algom Mining Company

· Mo

ICB

ICV

LFB

AS

DUP

Project ID:

Sulfate

AGZID .

WG276949 WG276949ICB

WG276949ICV

WG276949LFB

L80172-01AS

L80171-01DUP

58121

01/19/10 15:12

01/19/10 15:12

01/19/10 16:09

01/19/10 16:17

01/19/10 16:41

| Out(8) | , gae | . Lower. | Oppor | CRO LLIMIC QUIL |
|--------|-------|----------|-------|-----------------|
| | | | | |
| mg/L | | -3 | 3 | |
| mg/L | 98.1 | 90 | 110 | |
| mg/L | 92 | 90 | 110 | |
| mg/L | 88 | 90 | 110 | M2 |

ACZ Project ID: L80275

| Uranium, d | issolved | | M200.8 IC | P-MS | | | | | | | | | |
|-------------|----------|----------------|-------------|--------|----------|---------|---------------|-------|----------|----------|-------|--------------|--------------|
| CASTID . | . Bype | Anelysed | Centeen ''' | : @ .· | · Sample | (going) | Cont e | Rœ | Lewer, | O | (RPD) | न्त्रामी ः । | 900 0 |
| WG277041 | | | | | | | | | | | | | |
| WG277041IC | V ICV | 01/20/10 18:55 | MS100114-9 | .05 | | .05094 | mg/L | 101.9 | 90 | 110 | | | |
| WG277041IC | B ICB | 01/20/10 19:00 | | | | U | mg/L | | -0.00022 | 0.00022 | | | |
| WG277041LF | B LFB | 01/20/10 19:10 | MS100114-5 | .05 | | .04744 | mg/L | 94.9 | 85 | 115 | | | |
| L80275-02AS | AS | 01/20/10 20:34 | MS100114-5 | .25 | .0387 | .291 | mg/L | 100.9 | 70 | 130 | | | |
| L80275-02AS | D ASD | 01/20/10 20:39 | MS100114-5 | .25 | .0387 | .28045 | mg/L | 96.7 | 70 | 130 | 3.69 | 20 | |

113

900

U

19.7

9.2

121.8

980

mg/L



2773 Downhill Drive

Steamboat Springs, CO 80487

(800) 334-5493

inorganic Extended Qualiflar Report

Rio Algom Mining Company

ACZ Project ID: L80275

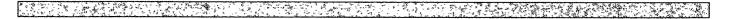
| AGZID | MOUNTAIN | PARAMERER | COMED | GANT | © ■SGRIPHOLY |
|-----------|----------|---------------------------------|--------------------------|------------|---|
| L80275-01 | WG277061 | Chloride | SM4500CI-E | M1 | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable. |
| | | | SM4500CI-E | RA | Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL). |
| | WG277115 | Nitrate/Nitrite as N | M353.2 - H2SO4 preserved | D1 | Sample required dilution due to matrix. |
| | WG276903 | Residue, Filterable (TDS) @180C | SM2540C | ZO | Concentration is based on a final residue greater than 200 mg. |
| | WG276949 | Sulfate | 375.4 - Turbidimetric | M2 | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable. |
| | | | 375.4 - Turbidimetric | RA | Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL). |
| L80275-02 | WG277061 | Chloride | SM4500CI-E | M 1 | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable. |
| | | | SM4500CI-E | RA | Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL). |
| | WG277115 | Nitrate/Nitrite as N | M353.2 - H2SO4 preserved | D 1 | Sample required dilution due to matrix. |
| | WG276903 | Residue, Filterable (TDS) @180C | SM2540C | ZO | Concentration is based on a final residue greater than 200 mg. |
| | WG276949 | Sulfate | 375.4 - Turbidimetric | M2 | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable. |
| | | | 375.4 - Turbidimetric | RA | Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL). |

0487 (800) 334-5493



Rio Algom Mining Company

ACZ Project ID: L80275



No certification qualifiers associated with this analysis



Sample Receipt

Rio Algom Mining Company

58121

ACZ Project ID:

L80275

Date Received:

01/14/10 0:00

Received By:

gac

Date Printed:

1/14/2010

Receipt Vertileation

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

| YES | NO | NA |
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| Cooler Id | Temp (°C) | Rad (µR/hr) |
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Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes - The second of the seco



Rio Algom Mining Company

58121

ACZ Project ID:

L80275

Date Received:

01/14/10 0:00

Received By:

nac

| TO LEADER | - Carlotte | CHAPTER TO | 4 | A 45 M |
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| SAMPLE | CLIENT ID | R<2 | 1 | BK < 2 | Y< 2 | YG< 2 | B< 2 | | N/A | RAD | ID |
|-----------|--------------------------------|-----|---|--------|------|-------|------|--|-----|-----|----------|
| L80275-01 | MW-32 | | Y | | Y | | | | | | E |
| L80275-02 | MW-22 | | Y | | Υ | | | | | | 23 |
| Simple | entalica/Eksensellen/Legand 27 | | | | | | | | | | |

| Abbreviation | Description | Container Type | Preservative/Limits |
|--------------|------------------------|------------------|---------------------|
| R | Raw/Nitric | RED | pH must be < 2 |
| В | Filtered/Sulfuric | BLUE | pH must be < 2 |
| BK | Filtered/Nitric | BLACK | pH must be < 2 |
| G | Filtered/Nitric | GREEN | pH must be < 2 |
| 0 | Raw/Sulfuric | ORANGE | pH must be < 2 |
| P | Raw/NaOH | PURPLE | pH must be > 12 * |
| T | Raw/NaOH Zinc Acetate | TAN | pH must be > 12 |
| Υ | Raw/Sulfuric | YELLOW | pH must be < 2 |
| YG | Raw/Sulfuric | YELLOW GLASS | pH must be < 2 |
| N/A | No preservative needed | Not applicable | |
| RAD | Gamma/Beta dose rate | Not applicable ' | must be < 250 µR/hr |

^{*} pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

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| nalysis before expiration, sh | • | • | | | - | | | | | NO | | |
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RIO ALGOM MINING LLC - PROJECT CODES

| ACL-TRB | ACL-TRA | ACL-KD | DP-71-Q | SEC 4 | DP-71-S |
|-------------------|---|--|--|------------------------------|--|
| \. | Ü | | | PONDS See note | 1 20 K - 7 3 - 13 - 7 |
| 30/year | 15/year | 35/year | 10/vear | (1 (a) | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| Chloride | Chloride | | Chloride | | Chloride |
| Sulfate | N Sulfate | | Sulfate | | Sulfate |
| TDS | TDS | TDS | TDS | TDS | TDS |
| Nitrate + Nitrite | Nitrate + Nitrite | Nitrate + Nitrite | Nitrate + Nitrite | Nitrate + Nitrite | Nitrate + Nitrite |
| Cyanide | ∬Cyanide | Antimony | Arsenic | Arsenic | Arsenic |
| Molybdenum | Molybdenum / | Arsenic | Selcnium | Selenium | Selenium |
| Nickel | Nickel | Beryllium | Uranium | Uranium | Uranium |
| Selenium | Selenium | Cadmium | 3 2 | Carbonate (CO ₃) | Carbonate (CO ₃) |
| Gross Alpha | Gross Alpha | Cyanide | | Bicarbonate (HCO3) | Bicarbonate (HCO ₃) |
| Radium-226 | Radiµm-226 | Lead | | Calcium | Calcium |
| `Radium-228 | Radium-228 | Molybdenum | | Potassium | Fotassium |
| Thorium-230 | Thorium-230 | Nickel | | Magnesium | Magnesium |
| Lead-210 | / Lead-210 | Selepium | | Sodium | Sodium |
| Uranium / | Uranium | Gross Alpha | | Lead | Lead |
| | 84 71 | Radium-226 | | Nickel | Nickel |
| | | Radium-228 | | Silver | Silver |
| | (4) | Thorium-230 | | fron | Iron |
| / () | V. | Lead-210 | | Molybdenum | Molybdenum |
| / V | 7.5 1.1 | Uranium | | Zinc | Zinc |
| | Ţ, | | | Manganese | Manganese |
| | | W | | Copper | Copper |
| | V) | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | Cobalt | Cobalt |
| 17 | M | * | | Chromium | Chromium |
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