



SP-Analytica, Inc.  
12189 Pennsylvania Street  
Thornton, CO 80241  
Phone: 303-469-8868  
Fax: 303-469-5254

10/4/2011

Maralex Resources, Inc.  
864 20 Road  
Unit A  
Fruita, CO 81521  
Attn: Jim Graves

Work Order #: B1109083  
Date: 10/4/2011  
Work ID: Rifle Walton  
Date Received: 9/15/2011  
Proj #: None

### Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
B1109083-01	Rifle Walton - Surface Causing		

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

A handwritten signature in cursive script that reads "Carissa Seltrecht".

Carissa Seltrecht  
Project Manager

*"The Science of Analysis, The Art of Service"*

# Case Narrative

Analytica Environmental Laboratories, Inc.

Work Order: B1109083

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, May 1994.

Pfaff, J. D., C. A. Brockhoff and J. W. O'Dell. 1994. The Determination of Inorganic Anions in Water by Ion Chromatography. Method 300.0A. U. S. Environmental Protection Agency. Environmental Monitoring Systems Lab.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Test Methods for Evaluating Solid Waste, USEPA SW-846, Third Edition, Revision 4, December 1996.

## SAMPLE RECEIPT:

One (1) sample was received on 9/15/2011 at 10:20:00 AM at a temperature of 1.5°C at Analytica-Thornton. The sample was received in good condition and in order per chain of custody.

Comments: pH added by C. Heydenberk on 9/29/11 via phone conversation.

## REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN

A summary of our review is shown below.

All analytical results contained in this report have been reviewed under Analytica's internal quality assurance and quality control program. Any deviations in quality control parameters for specific analyses are noted in the following text. A complete quality assurance report, including laboratory control, matrix spike, and sample duplicate recoveries, is kept on file in our office and is available upon request.

All method specifications were met for the following tests, unless otherwise noted:

Test Method: 200.7 - Metals by ICP - Total - Aqueous

Test Method: SM2320B - Alkalinity - Aqueous

Test Method: SW8260B - VOCs by GC/MS - BTEX 7-Day unpres - Aqueous

Test Method: Inorganic Anions by Ion Chromatography - Anions by IC2 - Aqueous

### MS/MSD and DUP OUTLIERS:

As shown below, the MS and MSD were outside the acceptance limits. This target had a sample concentration greater than four times the spike amount. In this case it is inappropriate to calculate recovery and the result should be used as a replicate.

Type	Client Sample	LabSample	Analyte	Recovery	LCL	UCL	Parent	Spike
MS	Rifle Walton - S	B1109083-01B	Chloride	-590	75	125	681	24.0
MSD	Rifle Walton - S	B1109083-01B	Chloride	-592	75	125	681	24.0

Test Method: SM4500-H-B Electrometric pH Method - pH - Aqueous

### HOLDING TIMES:

Per the 40CFR Part 136, the pH measurement is a field parameter. This analysis was performed as soon as possible after being requested.

### HOLD TIMES MISSED OR DATE ERRORS:

Sample Rifle Walton - Surface Causing Water, B1109083-01B

## Case Narrative

*Analytica Environmental Laboratories, Inc.*

*Work Order: B1109083*

*(continued)*

Sampled: 9/14/2011 11:15:00 AM, Prepped: 9/30/2011 12:00:00 PM

Sampled: 9/14/2011 11:15:00 AM, Analyzed: 9/30/2011 1:00:00 PM

Regulatory hold time: 0 Days

The following is a subcontracted test and has been represented to us as having met criteria:

Test Method: Methane, ethane, ethene by hs - Diss. Methane RSK-175 - Aqueous

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## Report Section: Client Sample Report

Client Sample Name: **Rifle Walton - Surface Causing Water**

Matrix: Aqueous Collection Date: 9/14/2011 11:15:00AM

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B1109083-01A Analysis Date: 9/20/2011 3:03:04PM  
Prep Date: 9/19/2011 Instrument: ICP\_2  
Analytical Method ID: 200.7 - Metals by ICP - Total File Name: 092011  
Prep Method ID: 200.2 Dilution Factor: 1  
Prep Batch Number: T110919017  
Report Basis: As Received Analyst Initials: TE  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	55		mg/L	0.10	0.013	1
Magnesium	7439-96-4	1.3		mg/L	0.10	0.012	
Potassium	7440-09-7	3.3		mg/L	1.0	0.31	
Sodium	7440-23-5	510		mg/L	3.0	0.028	

The following test was conducted by: Energy Laboratories

Lab Sample Number: B1109083-01D Analysis Date:  
Prep Date: Instrument:  
Analytical Method ID: Methane, ethane, ethene by hs - Diss. Methane RSK-175 File Name:  
Prep Method ID: RSK-175 Dilution Factor:  
Prep Batch Number: T110926004  
Report Basis: As Received Analyst Initials:  
Sample prep wt./vol: Prep Extract Vol: ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Methane	74-82-8	See sub report					1

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B1109083-01C Analysis Date: 9/16/2011 11:40:00PM  
Prep Date: 9/16/2011 Instrument: MS1VOA  
Analytical Method ID: SW8260B - VOCs by GC/MS - BTEX 7-Day unpres File Name: 11091620.D  
Prep Method ID: 5030B Dilution Factor: 1  
Prep Batch Number: T110919016  
Report Basis: As Received Analyst Initials: kh  
Sample prep wt./vol: 5.00 ml Prep Extract Vol: 5.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Benzene	71-43-2	120		ug/L	1.0	0.30	1
Ethylbenzene	100-41-4	16		ug/L	1.0	0.30	
m&p Xylenes	108-38-3/106-	110		ug/L	1.0	0.50	
O-Xylene	95-47-6	28		ug/L	1.0	0.20	
Toluene	108-88-3	89		ug/L	1.0	0.30	

  

<u>Surrogate</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>Spike</u>	<u>% Recov</u>	<u>LCL</u>	<u>UCL</u>	<u>run #:</u>
1,2-Dichloroethane-d4	17060-07-0	57		ug/L	2.0	0.50	50	114	76	133	1
Dibromofluoromethane	1868-53-7	60		ug/L	2.0	0.20	50	121	77	141	

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## Report Section: Client Sample Report

Client Sample Name: **Rifle Walton - Surface Causing Water**

Matrix: Aqueous Collection Date: 9/14/2011 11:15:00AM

Lab Sample Number: B1109083-01C Analysis Date: 9/16/2011 11:40:00PM  
Prep Date: 9/16/2011 Instrument: MS1VOA  
Analytical Method ID: SW8260B - VOCs by GC/MS - BTEX 7-Day unpres File Name: 11091620.D  
Prep Method ID: 5030B Dilution Factor: 1  
Prep Batch Number: T110919016 Analyst Initials: kh  
Report Basis: As Received  
Sample prep wt./vol: 5.00 ml Prep Extract Vol: 5.00 ml  
p-Bromofluorobenzene 460-00-4 48 ug/L 2.0 0.50 50 96.2 80 120 1  
Toluene D-8 108-88-3D 45 ug/L 2.0 0.22 50 90.5 81 129

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B1109083-01B Analysis Date: 9/30/2011 1:00:00PM  
Prep Date: 9/30/2011 Instrument: Probe  
Analytical Method ID: SM4500-H-B Electrometric pH Method - pH File Name:  
Prep Method ID: 4500-H-B Dilution Factor: 1  
Prep Batch Number: T110930012 Analyst Initials: JH  
Report Basis: As Received  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
pH		6.5		pH	0.10	0.10	1

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B1109083-01B Analysis Date: 9/23/2011 10:30:00AM  
Prep Date: 9/23/2011 Instrument: Titrametric  
Analytical Method ID: SM 2320B - Alkalinity File Name:  
Prep Method ID: 2320B Dilution Factor: 1  
Prep Batch Number: T110923011 Analyst Initials: KG  
Report Basis: As Received  
Sample prep wt./vol: 100.00 ml Prep Extract Vol: 100.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Alkalinity, Total		580		mg/L	7.0	1.2	1
Bicarbonate		580		mg/L	5.0	1.5	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: B1109083-01B Analysis Date: 9/15/2011 2:08:00PM  
Prep Date: 9/15/2011 Instrument: IC\_2  
Analytical Method ID: Inorganic Anions by Ion Chromatography - Anions by IC2 File Name: 14.0000.XLS  
Prep Method ID: 300.0 Dilution Factor: 1  
Prep Batch Number: T110920001 Analyst Initials: JH  
Report Basis: As Received  
Sample prep wt./vol: 4.00 ml Prep Extract Vol: 4.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Fluoride		9.33		mg/L	0.10	0.0022	1

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## Report Section: Client Sample Report

Client Sample Name: **Rifle Walton - Surface Causing Water**

Matrix: Aqueous Collection Date: 9/14/2011 11:15:00AM

Lab Sample Number: B1109083-01B Analysis Date: 9/15/2011 2:08:00PM  
Prep Date: 9/15/2011 Instrument: IC\_2  
Analytical Method ID: Inorganic Anions by Ion Chromatography - Anions by IC2 File Name: 14.0000.XLS  
Prep Method ID: 300.0 Dilution Factor: 1  
Prep Batch Number: T110920001  
Report Basis: As Received Analyst Initials: JH  
Sample prep wt./vol: 4.00 ml Prep Extract Vol: 4.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Nitrate as N		ND		mg/L	0.10	0.0096	1
Sulfate		1.12		mg/L	0.50	0.024	

Lab Sample Number: B1109083-01B Analysis Date: 9/23/2011 9:31:00PM  
Prep Date: 9/15/2011 Instrument: IC\_2  
Analytical Method ID: Inorganic Anions by Ion Chromatography - Anions by IC2 File Name: 20.0000.XLS  
Prep Method ID: 300.0 Dilution Factor: 20  
Prep Batch Number: T110920001  
Report Basis: As Received Analyst Initials: TE  
Sample prep wt./vol: 4.00 ml Prep Extract Vol: 4.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Chloride		681		mg/L	10	1.4	2

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: 130,611 Lab Project Number: B1109083

Prep Date: 9/16/2011

Lab Method Blank Id: T110919016-MB

Prep Batch ID: T110919016

Method: SW8260B - VOCs by GC/MS - BTEX 7-Day unpres

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
T110919016-LCS	LCS	11091604.D	9/16/2011 2:55:00PM
T110919016-LCSD	LCSD	11091605.D	9/16/2011 3:29:00PM
F1109148-04H	Batch QC	11091616.D	9/16/2011 9:29:00PM
F1109148-04H-MS	MS	11091617.D	9/16/2011 10:02:00PM
F1109148-04H-MSD	MSD	11091618.D	9/16/2011 10:34:00PM
B1109083-01C	Rifle Walton - Surface Causing Water	11091620.D	9/16/2011 11:40:00PM

Prep Date: 9/19/2011

Lab Method Blank Id: T110919017-MB

Prep Batch ID: T110919017

Method: 200.7 - Metals by ICP - Total

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
B1109066-01B	Batch QC	092011	9/20/2011 1:26:34PM
B1109083-01A	Rifle Walton - Surface Causing Water	092011	9/20/2011 3:03:04PM
T110919017-LCS	LCS	092011	9/20/2011 1:15:51PM
B1109066-01B-DUP	DUP	092011	9/20/2011 1:31:55PM
B1109066-01B-MS	MS	092011	9/20/2011 1:37:16PM
B1109066-01B-MSD	MSD	092011	9/20/2011 1:42:37PM

Prep Date: 9/15/2011

Lab Method Blank Id: T110920001-MB

Prep Batch ID: T110920001

Method: Inorganic Anions by Ion Chromatography - Anions by IC2

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
T110920001-LCS	LCS	11.0000.XLS	9/15/2011 1:25:00PM
B1109083-01B	Rifle Walton - Surface Causing Water	14.0000.XLS	9/15/2011 2:08:00PM
B1109083-01B-DUP	DUP	15.0000.XLS	9/15/2011 2:23:00PM
B1109083-01B-MS	MS	16.0000.XLS	9/15/2011 2:37:00PM
B1109083-01B-MSD	MSD	17.0000.XLS	9/15/2011 2:52:00PM
B1109083-01B	Rifle Walton - Surface Causing Water	20.0000.XLS	9/23/2011 9:31:00PM

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: 130,611 Lab Project Number: B1109083

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Prep Date: 9/23/2011

Lab Method Blank Id: T110923011-MB

Prep Batch ID: T110923011

Method: SM 2320B - Alkalinity

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
B1109083-01B	Rifle Walton - Surface Causing Water		9/23/2011 10:30:00AM
B1109121-01C	Batch QC		9/23/2011 10:30:00AM
T110923011-LCS	LCS		9/23/2011 10:30:00AM
T110923011-LCSD	LCSD		9/23/2011 10:30:00AM
B1109121-01C-DUP	DUP		9/23/2011 10:30:00AM

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## Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083  
**Project:** Rifle Walton  
**Client:** Maralex Resources, Inc.  
**Client Project Number:** None

### DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.

Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

#### Result Field:

ND = Not Detected at or above the Reporting Limit

NA = Analyte not applicable (see Case Narrative for discussion)

#### Qualifier Fields:

LOW = Recovery is below Lower Control Limit

HIGH = Recovery, RPD, or other parameter is above Upper Control Limit

E = Reported concentration is above the instrument calibration upper range

#### Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank

J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

#### Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)

W = Post digestion spike did not meet criteria

S = Reported value determined by the Method of Standard Additions (MSA)

Several ways of defining the limit of detection and quantitation are prevalent in the laboratory industry and may appear in Analytica reports. These include the following:

MRL = "minimum reporting level", from the EPA Safe Drinking Water program (SDW)

PQL = "practical quantitation limit", from SW-846

EQL = "estimated quantitation limit", from SW-846

LOQ = "limit of quantitation", from a number of authoritative sources

In Analytica's work, all of these terms have the same meaning, equivalent to the EPA definition of the MRL. This reporting level is supported by a satisfactory calibration data point which is at that level or lower, and also is supported by a method detection limit (MDL) determined by the procedure in 40CFR. The MDL is lower than the MRL and represents an estimate of the level where positive detections have a 99% probability of being real, but where quantitation accuracy is unknown.

The MRL as defined by Analytica is the lowest demonstrated point of known quantitation accuracy.

The MRL should not be confused with the MCL, which is the EPA-defined "maximum contaminant level" allowed for certain regulated targets under specific regulations, such as the National Primary Drinking Water Regulations. Normally, the MRL is set at a level which is much lower than the MCL in order to ensure that levels are well below those limits. Not all target analytes have MCL levels established.

Other Flags may be applied. See Case Narrative for Description

# Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): B1109083

Project: Rifle Walton

Client: Maralex Resources, Inc.

Client Project Number: None

## REPORTING CONVENTIONS FOR THIS REPORT

B1109083

<u>TestPkgName</u>	<u>Basis</u>	<u># Sig Figs</u>	<u>Reporting Limit</u>
200.7/200.7 (Aqueous) - Total	As Received	2	Report to PQL
2320B/2320B (Aqueous) - Alkalinity	As Received	2	Report to PQL
300.0/300.0 (Aqueous) - Anions by IC2	As Received	3	Report to PQL
4500-H-B/4500-H-B (Aqueous) - pH	As Received	2	Report to PQL
8260B/5030B (Aqueous) - BTEX 7-Day unpres	As Received	2	Report to MDL, J qual below PQL
RSK-175/RSK-175 (Aqueous) - Diss. Methane RSK-175	As Received	2	Report to MDL, J qual below PQL



# ANALYTICAL SUMMARY REPORT

September 22, 2011

Analytica Group Inc  
12189 Pennsylvania St  
Thornton, CO 80241

Workorder No.: B11091510

Project Name: B1109083

Energy Laboratories Inc Billings MT received the following 1 sample for Analytica Group Inc on 9/16/2011 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B11091510-001	Rifle Walton (B1109083-1D)	09/14/11 11:15	09/16/11	Aqueous	Headspace Gas Analysis

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



### LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

**Client:** Analytica Group Inc  
**Project:** B1109083  
**Lab ID:** B11091510-001  
**Client Sample ID** Rifle Walton (B1109083-1D)

**Report Date:** 09/22/11  
**Collection Date:** 09/14/11 11:15  
**DateReceived:** 09/16/11  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>ORGANIC CHARACTERISTICS</b>							
Methane	19	mg/L		0.43		SW8015M	09/19/11 12:55 / bdw

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



# QA/QC Summary Report

Prepared by Billings, MT Branch

**Client:** Analytica Group Inc

**Report Date:** 09/22/11

**Project:** B1109083

**Work Order:** B11091510

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> SW8015M										Analytical Run: R172761
<b>Sample ID:</b> CCV		Continuing Calibration Verification Standard								09/19/11 06:20
Methane		1000	ppm	2.0	102	85	115			
<b>Sample ID:</b> CCV		Continuing Calibration Verification Standard								09/19/11 13:33
Methane		1000	ppm	2.0	103	85	115			
<b>Method:</b> SW8015M										Batch: R172761
<b>Sample ID:</b> LCS		Laboratory Control Sample								09/19/11 06:28
Methane		100	ppm	2.0	100	85	115			Run: FID-HEADSPACE_110919A
<b>Sample ID:</b> MBLK		Method Blank								09/19/11 06:38
Methane		ND	ppm	2.0						Run: FID-HEADSPACE_110919A
<b>Sample ID:</b> B11091510-001ADUP		Sample Duplicate								09/19/11 13:03
Methane		18.9	mg/L	0.43				1.3	20	Run: FID-HEADSPACE_110919A

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

# Workorder Receipt Checklist



B11091510

Login completed by: Genoa R. Carver

Date Received: 9/16/2011

Reviewed by: BL2000\kmcDonald

Received by: dts

Reviewed Date: 9/16/2011

Carrier FedEx  
name:

- |   |   |                             |   |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on sample bottles?   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Chain of custody signed when relinquished and received?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Chain of custody agrees with sample labels?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Samples in proper container/bottle?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sample containers intact?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| All samples received within holding time?<br>(Exclude analyses that are considered field parameters<br>such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |

Container/Temp Blank temperature: 1.9°C

- |  |   |                             |  |
|--|---|-----------------------------|--|
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/>    |
| Water - pH acceptable upon receipt?    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Contact and Corrective Action Comments:

None



# Analytica Chain of Custody Form

5438 Singing Drive  
Jupiter, AK 99801  
(907) 780-8688  
(907) 780-8870 fax

5781 Silverado Way, # N  
Anchorage, AK 99518  
(907) 258-2155  
(907) 258-8834 fax

3330 Industrial Ave.  
Fairbanks, AK 99701  
(907) 456-3116  
(907) 456-3125 fax

12189 Pennsylvania St.  
Thornton, CO 80241  
(303) 469-8868  
(303) 469-5254 fax

Chain of Custody No: **77875**

<b>Client Name &amp; Address:</b> Report to: <u>Carissa Seifrecht</u> Phone No: <u>303-301-2203</u> Fax No: <u>303-469-5254</u> E-mail: <u>carisseifrecht@analytica.com</u> Special Instructions/Comments: <u>Sub to Energy Labs Billings</u>		<b>Public Water System (PWS) ID#:</b> Project Name: <u>B1107083</u>		<b>Section To Be Completed by Analytica</b> Quote ID: LGN: Account #: Cash: <input type="checkbox"/> Credit Card: <input type="checkbox"/>	
<b>Turnaround Time for Results (TAT)</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited (≤ 10 days, prior authorization required) <small>(Please specify date date below; activity charges may apply)</small>		<b>Invoice to Name &amp; Address:</b> <u>Same as Client</u>		<b>Section To Be Completed by Analytica</b> P.O. or Contract No: <u>T14200</u>	
<b>Kit Prep/Shipping Charge: \$</b> Client Sample Identification / Location <u>Ritzke Water (B1107083-10)</u>		Date Sampled <u>9/14/11</u>		Time Sampled <u>11:15</u>	
Matrix (S-DW-WW-Other) 		No. of Containers <u>3</u>		Requested Analysis/Method 	
Relinquished by: <u>[Signature]</u>		Date <u>9/15/11</u>		Time <u>16:00</u>	
Relinquished by: <u>[Signature]</u>		Date <u>9/15/11</u>		Time <u>16:00</u>	
Relinquished by: <u>[Signature]</u>		Date 		Time 	
<b>Name of Sampler: (printed)</b> 		Condition of Custody Seal?: 		THO: <input type="checkbox"/> ANC: <input type="checkbox"/> JNU: <input type="checkbox"/> FBKS: <input type="checkbox"/>	
		Initialed By: 			
		Temp/Loc: 			
		Thermo ID#: 			
		Shipped Via: 			



# Analytica Chain of Custody Form

5436 Shaune Drive  
 Juneau, AK 99801  
 (907) 780-6668  
 (907) 780-6670 fax

5761 Silverado Way, # N  
 Anchorage, AK 99518  
 (907) 258-2155  
 (907) 258-6334 fax

3330 Industrial Ave.  
 Fairbanks, AK 99703  
 (907) 456-3116  
 (907) 456-3125 fax

12189 Pennsylvania St  
 Thornton, CO 80241  
 (303) 469-3888  
 (303) 469-5254 fax

Chain of Custody No: **77845**

Public Water System (PWS) ID#:

Project Name:

**Maralek Resources  
 Riple Water**

Quote ID:

LGN: **B1109083**

Section to be completed by Analytica

Account #:

Cash  Credit Card

Invoice to Name & Address:

**Maralek Resources, Inc  
 Attn. Mr Tim Boyle**

Turnaround Time for Results (TAT)

Standard

Expedited (< 10 days, info authorization required)  
(please specify due date below  
 add'l charges may apply)

Requested Analysis/Method

P.O. or Contract No:

**Analytica Quote T13D**

E-mail: **ES. Craig@supris.net**

Requested Due Date for Results:

Phone No: **920 948-8978**

Requested Due Date for Results:

Requested Due Date for Results:

Kit Prep/Shipping Charge: \$

Client Sample Identification / Location

**Riple Water - Surface →  
 Casing Water**

Date Sampled	Time Sampled	Matrix (S-DW-WW-Other)	No. of Containers
9/14/11	11:15 W		2

Lot #	Pres	Field Preserved	Field Filtered	MS/MSD ?								
	X		X		X		X		X			

**Dissolved Metals (Cations)  
 Anions  
 BTEX 8260**

Relinquished by:	Date	Time	Received by:	Date	Time
	9/14/11	15:00		9/15/11	10:20

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Name of Sampler: (printed) **Heydenbock**

Section to be completed by Analytica

Condition of Custody Seal? **THO** **ANC** **JNU** **FBKS**

Initiated By: **LS**

Temp/Loc: \_\_\_\_\_

Thermo ID#: \_\_\_\_\_

Shipped Via: \_\_\_\_\_



# Cooler Receipt Form

Client: Maralex Resources, Inc.  
Project: Rifle Walton

Client Code: 501467

Order #: B1109083

Cooler ID: 1

**A. Preliminary Examination Phase:**

Date cooler opened: 9/15/2011  
Cooler opened by: gp

Signature: GP

1. Was airbill Attached? Yes

Airbill #: 874632591725

Carrier Name: FedEx

2. Custody Seals? Yes

How many? 1

Location: Cooler

Seal Name: DCH

3. Seals intact? Yes

4. COC Attached? Yes

Properly Completed? Yes

Signed by AEL employee? Yes

5. Project Identification from custody paper: Rifle Walton

6. Preservative: Wetice

Temperature: 1.5 deg. C

Designated person initial here to acknowledge receipt: GP Date: 9/15/11

**COMMENTS:**

**B. Log-In Phase: Samples Log-in Date: 9/15/2011 Log-in By: gp**

1. Packing Type: Green Foam

2. Were samples in separate bags? N/A

3. Were containers intact? Yes

Labels agree with COC? Yes

4. Number of bottles received: 7

Number of samples received: 1

5. Correct containers used? Yes

Correct preservatives added? Yes

6. Sufficient sample volume? Yes

7. Bubbles in VOA samples? No

8. Was Project manager called and status discussed? No

9. Was anyone called? No Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ Date: \_\_\_\_\_

**COMMENTS:**