

## ANALYTICAL SUMMARY REPORT

January 31, 2013

Rare Element Resources Inc  
225 Union Blvd Ste 250  
Lakewood, CO 80228-1574

Workorder No.: G12080070

Project Name: Upton

Energy Laboratories Inc. Gillette WY received the following 6 samples for Rare Element Resources Inc on 8/2/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
G12080070-001	UAMS #4 pm10 #58755	07/26/12 10:30	08/02/12	Filter	PM-10 Filter Analysis
G12080070-002	UAMS #4 pm2.5 #58754	07/24/12 15:40	08/02/12	Filter	Same As Above
G12080070-003	UAMS #2 pm2.5 #58752	07/19/12 9:10	08/02/12	Filter	Same As Above
G12080070-004	UAMS #2 pm10 #58699	07/17/12 9:40	08/02/12	Filter	Same As Above
G12080070-005	UAMS #1 pm10 #58697	07/12/12 9:38	08/02/12	Filter	Same As Above
G12080070-006	UAMS #1 pm2.5 #58694	07/10/12 7:00	08/02/12	Filter	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 400 W. Boxelder Rd., Gillette, WY 82718, unless otherwise noted.

As appropriate, 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 tests results, please call.

Report Approved By:



**CLIENT:** Rare Element Resources Inc  
**Project:** Upton  
**Sample Delivery Group:** G12080070

**Revised Date:** 01/31/13

**Report Date:** 08/08/12

## CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

RevA:

The Sample ID's on the Gravimetric reports have been revised to UAMS to reflect the Upton project.

Tracey L. Archer

Date: 01/29/13

2012 FILTER DATA  
UAMS#4, PM10  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-001	07/24/12	58755	08/07/12	06/19/12	1440	4.5229	4.5036	0.0193

Date: 01/29/13

2012 FILTER DATA  
UAMS#4, PM2.5  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-002	07/22/12	58754	08/07/12	06/19/12	1440	4.6018	4.5876	0.0142

Date: 01/29/13

2012 FILTER DATA  
UAMS#2, PM2.5  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-003	07/17/12	58752	08/07/12	06/19/12	1440	4.5842	4.5729	0.0113

Date: 01/29/13

2012 FILTER DATA  
UAMS#2, PM10  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-004	07/15/12	58699	08/07/12	05/15/12	1440	4.5888	4.5581	0.0307



Date: 01/29/13

2012 FILTER DATA  
UAMS#1, PM10  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-005	07/10/12	58697	08/07/12	05/15/12	1440	4.6817	4.5977	0.0840

Date: 01/29/13

2012 FILTER DATA  
UAMS#1, PM2.5  
Site: Rare Element Resources Upton

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12080480-006	07/08/12	58694	08/07/12	05/15/12	1440	4.6465	4.5956	0.0509



# Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

## Workorder Receipt Checklist

Rare Element Resources Inc

G12080070

Login completed by: Amanda Alley

Date Received: 8/2/2012

Reviewed by: BL2000\kscottruff

Received by: kls

Reviewed Date: 8/3/2012

Carrier Hand Del  
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 type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" 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? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
Container/Temp Blank temperature:	°C NA		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" 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



# Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name:

PER

Report Mail Address:

Project Name, PWS, Permit, Etc.  
Wpton Baseline S4H

Contact Name: K Thompson 307-283-3500

Phone/Fax: Email: kthompson@robelmontresources.com

Invoice Address:

Invoice Contact & Phone:

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

- ☐ DW
- ☐ POTW/MWTP
- ☐ State: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_
- ☒ EDD/EDT (Electronic Data)
- ☐ Format: \_\_\_\_\_
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers  
Sample Type: A W S V B O DW  
Air Water Soils/Solids  
Vegetation Bioassay Other  
DW - Drinking Water

ANALYSIS REQUESTED

SEE ATTACHED

Standard Turnaround (TAT)

R U S H

Contact ELL prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:

Shipped by: Hard

Cooler ID(s):

Receiving temp: 114 °C

On Ice: Y N

Custody Seal: Y N

On Bottle: Y N

On Cooler: Y N

Intact: Y N

Signature: Y N

Match: 42080070

LABORATORY USE ONLY

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	For Gravimetric analysis only	Do Not Cut
UAMS #4: 58750 pm10 7-26-12	10:30	1-0	X		
UAMS #1: 58754 pm10 7-24-12	15:40				
UAMS #2: 58752 pm10 7-19-12	9:10				
UAMS #2: 58699 pm10 7-17-12	9:40				
UAMS #1: 58697 pm10 7-12-12	9:38				
UAMS #1: 58694 pm10 7-10-12	7:00				
8					
9					
10					

Custody Record MUST be Signed

Relinquished by (print): 8-2-12 16:41 C. L. Taylor  
Signature: C. L. Taylor  
Received by (print): 8-2-12 16:41 C. L. Taylor  
Signature: C. L. Taylor  
Received by (print): 8-2-12 16:41 C. L. Taylor  
Signature: C. L. Taylor

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at [www.energylab.com](http://www.energylab.com) for additional information, downloadable fee schedule, forms, and links.