

## ANALYTICAL SUMMARY REPORT

June 18, 2012

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

Workorder No.: G12060291

Project Name: Bear Lodge

Energy Laboratories Inc. Gillette WY received the following 7 samples for Rare Element Resources Inc on 6/12/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
G12060291-001	AMS #1 pm2.5 #58596	05/11/12 9:04	06/12/12	Filter	PM-10 Filter Analysis
G12060291-002	AMS #2 pm2.5 #58597	05/16/12 9:35	06/12/12	Filter	Same As Above
G12060291-003	AMS #2 pm10 #58598	05/21/12 10:46	06/12/12	Filter	Same As Above
G12060291-004	AMS #3 pm10 #58675	05/23/12 9:00	06/12/12	Filter	Same As Above
G12060291-005	AMS #3 pm2.5 #58676	05/24/12 15:00	06/12/12	Filter	Same As Above
G12060291-006	AMS #4 pm2.5 #58677	05/30/12 10:25	06/12/12	Filter	Same As Above
G12060291-007	AMS #4 pm10 #58678	06/01/12 8:05	06/12/12	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:** Bear Lodge

**Sample Delivery Group:** G12060291

**Report Date:** 06/18/12

## **CASE NARRATIVE**

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

Date: 06/15/12

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

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-001	05/09/12	58596	06/15/12	12/14/11	1440	4.5942	4.5864	0.0078

Date: 06/15/12

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

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-002	05/14/12	58597	06/15/12	12/14/11	1441	4.6265	4.6121	0.0144

Date: 06/15/12

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

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams	Invalid Code
B12061187-003	05/16/12	58598	06/15/12	12/14/11	1440	4.5565	4.5557	0.0008	* 9976

Code #

\* 9976

\*\*\* INVALID SAMPLE \*\*\*

Filter damage.

Date: 06/15/12

2012 FILTER DATA  
AMS#3, PM10  
Site: Rare Element Resources

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-004	05/21/12	58675	06/15/12	05/15/12	1440	4.6668	4.6453	0.0215



Date: 06/15/12

2012 FILTER DATA  
AMS#3, PM2.5  
Site: Rare Element Resources

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-005	05/23/12	58676	06/15/12	05/15/12	1440	4.5936	4.5758	0.0178

Date: 06/15/12

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

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-006	05/28/12	58677	06/15/12	05/15/12	1440	4.6116	4.6000	0.0116



Date: 06/15/12

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

Lab. No.	Sample Date	Filter No.	Gross Wt. Date	Tare Wt. Date	Sampling Time,min	Gross Wt, grams	Tare Wt, grams	Net Wt, grams
B12061187-007	05/30/12	58678	06/15/12	05/15/12	1440	4.6486	4.6396	0.0090

# Workorder Receipt Checklist



G12060291

Login completed by: Misty Voegelé

Date Received: 6/12/2012

Reviewed by: BL2000\kscottruff

Received by: pks

Reviewed Date: 6/13/2012

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"/>	
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

PLEASE PRINT (Provide as much information as possible.)

Project Name, PWS, Permit, Etc.

Sample Origin

EPA/State Compliance: Yes ☐ No ☐

Company Name:  
Report Mail Address:

Contact Name:  
Phone/Fax:

State: WY

Sampler: (Please Print)  
Signature: Callie Taylor

Invoice Address:

Invoice Contact & Phone:

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

☐ DW  
☐ POTW/WWTP  
☐ State: \_\_\_\_\_  
☐ Other: \_\_\_\_\_  
☒ FEDD/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 ELI prior to  
RUSH sample submittal  
for charges and  
scheduling - See  
Instruction Page

Comments:

Shipped by:  
Cooler ID(s):  
Recept Temp: \_\_\_\_\_ °C  
On Ice: \_\_\_\_\_ Y N

SAMPLE IDENTIFICATION  
(Name, Location, Interval, etc.)

Collection Date

Collection Time

MATRIX

Signature

Date/Time

Received by (print):

Date/Time

Signature

Date/Time

Signature

Date/Time

Signature

Date/Time

AMS #1 58596 pm2.5 5-11-12 9:04 1-0 7-10 X

AMS #2 58597 pm2.5 5-16-12 9:35 1-0

AMS #2 58598 pm10 5-27-12 10:46 1-0

AMS #3 58675 pm10 5-23-12 9:00 1-0

AMS #3 58676 pm2.5 5-24-12 5:00 1-0

AMS #4 58677 pm2.5 5-30-12 10:25 1-0

AMS #4 58678 pm10 6-1-12 8:05 1-0

AMS #4 58679 pm10 6-1-12 8:05 1-0

AMS #4 58680 pm10 6-1-12 8:05 1-0

AMS #4 58681 pm10 6-1-12 8:05 1-0

AMS #4 58682 pm10 6-1-12 8:05 1-0

AMS #4 58683 pm10 6-1-12 8:05 1-0

Custody Record MUST be Signed

Relinquished by (print):

Date/Time:

Signature:

Date/Time:

Signature:

Date/Time:

Signature:

Date/Time:

Signature: