



ANALYTICAL SUMMARY REPORT

April 02, 2012

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

Workorder No.: G12030466

Project Name: Bear Lodge

Energy Laboratories Inc. Gillette WY received the following 9 samples for Rare Element Resources Inc on 3/19/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
G12030466-001	AMS #4, 58521, pm10	02/09/12 10:46	03/19/12	Filter	PM-10 Filter Analysis
G12030466-002	AMS #3, 58522, pm2.5	02/13/12 10:55	03/19/12	Filter	Same As Above
G12030466-003	AMS #1, 58523, pm2.5	02/16/12 10:30	03/19/12	Filter	Same As Above
G12030466-004	AMS #1, 58524, pm10	02/21/12 10:57	03/19/12	Filter	Same As Above
G12030466-005	AMS #2, 58575, pm10	02/22/12 13:50	03/19/12	Filter	Same As Above
G12030466-006	AMS #2, 58576, pm2.5	03/05/12 10:48	03/19/12	Filter	Same As Above
G12030466-007	AMS #3, 58577, pm2.5	03/07/12 11:15	03/19/12	Filter	Same As Above
G12030466-008	AMS #3, 58578, pm10	03/09/12 9:40	03/19/12	Filter	Same As Above
G12030466-009	AMS #1, 58579, pm10	03/14/12 13:22	03/19/12	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: G12030466

Report Date: 04/02/12

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: 03/22/12

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	Invalid Code
B12031599-001	02/06/12	58521	03/22/12	11/04/11	615	4.5998	4.6025	-0.0027	* 9976

Code #

* 9976 *** INVALID SAMPLE *** Filter damage.

Date: 03/22/12

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
B12031599-002	02/09/12	58522	03/22/12	11/04/11	1440	4.6220	4.5816	0.0404
B12031599-007	03/05/12	58577	03/22/12	12/14/11	1440	4.7756	4.6223	0.1533



Date: 03/22/12

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
B12031599-003	02/14/12	58523	03/22/12	11/04/11	1440	4.5380	4.5379	0.0001

Date: 03/22/12

2012 FILTER DATA
AMS#1, 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
B12031599-004	02/16/12	58524	03/22/12	11/04/11	1439	4.5553	4.5563	-0.0010
B12031599-009	03/12/12	58579	03/22/12	12/14/11	1440	4.6035	4.5795	0.0240

Date: 03/22/12

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
B12031599-005	02/21/12	58575	03/22/12	12/14/11	1440	4.6379	4.6382	-0.0003

Date: 03/22/12

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
B12031599-006	02/22/12	58576	03/22/12	12/14/11	1440	4.5880	4.5870	0.0010

Date: 03/22/12

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
B12031599-008	03/07/12	58578	03/22/12	12/14/11	1440	4.6615	4.6574	0.0041

Workorder Receipt Checklist



G12030466

Login completed by: Misty Voegele

Date Received: 3/19/2012

Reviewed by: BL2000\kscotruff

Received by: mav

Reviewed Date: 3/20/2012

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



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Project Name, PWS, Permit, Etc.

Sample Origin

EPA/State Compliance: Yes No

Company Name: **PLEP**

Contact Name: **Barry Base Line (STP)**

State: **CO**

Sampler: (Please Print) **Callie Taylor**

Report Mail Address:

Invoice Address: **Mrs. Thompson 283-3500 Thompson Road**

Quote/Bottle Order:

Special Report/Formats:

- DW
- POTW/WWTP
- State: _____
- Other: _____
- MEDDEDI (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) **RUSH**

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

Shipped by: **Hand**

Comments:

Receipt for: **Hand**

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	ANALYSIS REQUESTED	Standard Turnaround (TAT)	Signature
AMS #1, 58521, pm10	2-9-12	10 46				
AMS #3, 58522, pm2.5	2-13-12	10 55				
AMS #1, 58523, pm2.5	2-16-12	10 30				
AMS #1, 58524, pm10	2-21-12	10 57				
AMS #2, 58575, pm10	2-22-12	13 50				
AMS #2, 58576, pm2.5	3-5-12	10 48				
AMS #3, 58577, pm2.5	3-7-12	11 15				
AMS #3, 58578, pm10	3-9-12	9 40				
AMS #1, 58579, pm10	3-14-12	13 22				

For gravimetric analysis
DO NOT CUT

Custody Record MUST be Signed

Relinquished by (print): **Callie Taylor** Date/Time: **3-19-12 14:44** Signature: *[Signature]*

Received by (print): **[Signature]** Date/Time: **3-19-12 14:44** Signature: *[Signature]*

LABORATORY USE ONLY

On Ice: N

Custody Seal On Bottle: Y

Intact: Y

Signature Match: Y

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 for additional information, downloadable fee schedule, forms, and links.

AMS #4 pm10 N For Gravimetric Analysis only (Demat cur)

Collected 2-9-12 10:46 Filter # 58522

1st Round (Due to Malfunction)
start: 2-6-12 12:00
end: 2-7-12 12:00

TF 13745.3 SCF
15182.4 ACF
343.7 ET

2nd round (Due to malfunction)
start: 2-8-12 10:00
end: 2-9-12 10:00

TF 10891.5 SCF
12359.2 ACF
271.6 ET min

AMS #3 pm 2.5 Filter # 58522

Collect 2-13-12 10:55

start 2-9-12 13:00

end 2-10-12 13:00

TF 78222.7 SCF

125718.9 ACF

1439.9 ET min

" For Gravimetric Analysis only (Demat cur) "

Lab ID: G12030466-001A
ID: AMS #4, 58521, pm10
Client ID: RR-ELMNT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 2/9/2012 10:46:00 AM
Bottle: 1 of 1 Filter

Lab ID: G12030466-002A
ID: AMS #3, 58522, pm2.5
Client ID: RR-ELMNT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 2/13/2012 10:55:00 AM
Bottle: 1 of 1 Filter

AMS # 1 pull 2.5 Filter # 58523 "For Bioinertic Analysis only (Do not Cut)"

57601.2 SCE
84971.4 ACF

1440 ET min

start - 2-14-12 12:00

END - 2-15-12 12:30

Collect 2-16-12 10:00

Lab ID: G12030466-003A
ID: AMS #1, 58523, pm2.5
Client ID: RR-ELMINT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 2/16/2012 10:30:00 AM
Bottle: 1 of 1 Filter

AMS # 1 pm10
Filter # 58524

start 2-16-12 23:59

stop 2-17-12 23:59

TF 57609.3 SCE

54904.2 ACF

14399 min ET

collected 2-21-12 10:57

"For Bioinertic Analysis only (Do not Cut)"

Lab ID: G12030466-004A
ID: AMS #1, 58524, pm10
Client ID: RR-ELMINT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 2/21/2012 10:57:00 AM
Bottle: 1 of 1 Filter

AMS# 2 pm10 Filter # 58575
 Start - ~~02-21-12~~ 02-21-12 12:00
 Stop - 02-22-12 12:00
 # 60974.3 SCF
 69887.7 ACF
 1440 ET min
 Collected 2-22-12 13:50

" For Gravimetric Analysis only (Net Gwt)"

Lab ID: G12030466-005A
 ID: AMS #2, 58575, pm10
 Client ID: RR-ELMNT-RSRCS
 Received: 3/19/2012 2:44:00 PM
 Collected: 2/22/2012 1:50:00 PM
 Bottle: 1 of 1 Filter

AMS# 2 pm2.5 " For Gravimetric Analysis only (Do not collect)"
 Filter # 58576

116441.0 SCF
 2486637.4 ACF
 2880.0 MILET
 Start 2-22-12 23:59
 Stop 2-23-12 23:59
 ETN Collect 3-5-12 10:48

Lab ID: G12030466-006A
 ID: AMS #2, 58576, pm2.5
 Client ID: RR-ELMNT-RSRCS
 Received: 3/19/2012 2:44:00 PM
 Collected: 3/5/2012 10:48:00 AM
 Bottle: 1 of 1 Filter

HM5 2 pm a.d
~~Start~~ Filter # 58577
Collected: 03-07-12 11:16

TF 79645.5 SCF
91376.0 ACF
1440.0 ET Min.

Start: 3-05-12 23:59
Stop: 3-06-12 23:59

" For Gravimetric Analysis only (Do not cut)"

Lab ID: G12030466-007A
ID: AMS #3, 58577, pm2.5
Client ID: RR-ELMINT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 3/7/2012 11:15:00 AM
Bottle: 1 of 1 Filter

AMS # 3 pm10
Filter # 58578
TF
ACF 68442.8
SCF 59023.8
ET Min 1440.0

" For Gravimetric Analysis only (Do not cut)"

Start 3-07-12 23:59
Stop 3-08-12 23:59
Collect 3-09-12 time: 9:40

Lab ID: G12030466-008A
ID: AMS #3, 58578, pm10
Client ID: RR-ELMINT-RSRCS
Received: 3/19/2012 2:44:00 PM
Collected: 3/9/2012 9:40:00 AM
Bottle: 1 of 1 Filter

For Gravimetric Analysis only (Do not use)

AMS #1 pm110

Filter # 58579

TF

ACF 60581,3

SCF 54303,3

ET min 1440

Collected: 03-14-12

Time:

Start: 3-12-12 33:59

Stop: 3-13-12 23:59

Collected ~~4334~~ 03-14-12
13 ~~22~~

Lab ID: G12030466-009A
ID: AMS #1, 58579, pm110
Client ID: RR-ELMNT-RSRCs
Received: 3/19/2012 2:44:00 PM
Collected: 3/14/2012 1:22:00 PM
Bottle: 1 of 1 Filter