

## ANALYTICAL SUMMARY REPORT

January 31, 2013

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

Workorder No.: G12070411

Project Name: Upton

Energy Laboratories Inc. Gillette WY received the following 6 samples for Rare Element Resources Inc on 7/17/2012 for analysis.

| Sample ID     | Client Sample ID     | Collect Date   | Receive Date | Matrix | Test                  |
|---------------|----------------------|----------------|--------------|--------|-----------------------|
| G12070411-001 | UAMS #1 pm10 #58683  | 06/19/12 8:00  | 07/17/12     | Filter | PM-10 Filter Analysis |
| G12070411-002 | UAMS #1 pm2.5 #58685 | 06/21/12 9:30  | 07/17/12     | Filter | Same As Above         |
| G12070411-003 | UAMS #2 pm2.5 #58686 | 06/26/12 7:00  | 07/17/12     | Filter | Same As Above         |
| G12070411-004 | UAMS #2 pm10 #58688  | 06/28/12 9:15  | 07/17/12     | Filter | Same As Above         |
| G12070411-005 | UAMS #4 pm10 #58691  | 07/03/12 10:00 | 07/17/12     | Filter | Same As Above         |
| G12070411-006 | UAMS #4 pm2.5 #58693 | 07/05/12 10:00 | 07/17/12     | 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:** G12070411

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

**Report Date:** 07/26/12

## 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#1, PM10  
Site: Rare Element Resources Upton

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-001 | 06/17/12       | 58683         | 07/20/12          | 05/15/12         | 1440                 | 4.5634             | 4.5341            | 0.0293           |

Date: 01/29/13

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

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-002 | 06/19/12       | 58685         | 07/20/12          | 05/15/12         | 1440                 | 4.6502             | 4.6464            | 0.0038           |

Date: 01/29/13

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

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-003 | 06/24/12       | 58686         | 07/20/12          | 05/15/12         | 1440                 | 4.5539             | 4.5360            | 0.0179           |

Date: 01/29/13

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

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-004 | 06/26/12       | 58688         | 07/20/12          | 05/15/12         | 1440                 | 4.6278             | 4.5763            | 0.0515           |

Date: 01/29/13

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

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-005 | 07/01/12       | 58691         | 07/20/12          | 05/15/12         | 1440                 | 4.7638             | 4.6221            | 0.1417           |



Date: 01/29/13

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

| Lab.<br>No.   | Sample<br>Date | Filter<br>No. | Gross Wt.<br>Date | Tare Wt.<br>Date | Sampling<br>Time,min | Gross Wt,<br>grams | Tare Wt,<br>grams | Net Wt,<br>grams |
|---------------|----------------|---------------|-------------------|------------------|----------------------|--------------------|-------------------|------------------|
| B12071509-006 | 07/03/12       | 58693         | 07/20/12          | 05/15/12         | 1440                 | 4.4977             | 4.4708            | 0.0269           |



# 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

G12070411

Login completed by: Amanda Alley

Date Received: 7/17/2012

Reviewed by: Kasey Scott-Ruff

Received by: pks

Reviewed Date: 7/18/2012

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?<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"/> |  |
| 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

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Visit our web site at [www.energylab.com](http://www.energylab.com) for additional information, downloadable tool sheets, and more.