

### **ANALYTICAL SUMMARY REPORT**

September 17, 2012

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

Workorder No.: G12080073

Project Name: Bear Lodge

Energy Laboratories Inc. Gillette WY received the following 12 samples for Rare Element Resources Inc on 8/2/2012 for analysis.

Sample ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
G12080073-001	AMS #2 Continuous 5/11/12	05/11/12 9:42 08/02/12	Filter	Metals on air filter by ICP/ICPMS Digestion, Total Metals Nitric acid-extraction Radium 226 Thorium, Isotopic
G12080073-002	AMS #3 Continuous 5/21/12	05/21/12 11:45 08/02/12	Filter	Same As Above
G12080073-003	AMS #4 Continuous 5/24/12	05/24/12 15:15 08/02/12	Filter	Same As Above
G12080073-004	AMS #1 Continuous 6/1/12	06/01/12 9:20 08/02/12	Filter	Same As Above
G12080073-005	AMS #2 Continuous 6/8/12	06/08/12 11:35 08/02/12	Filter	Same As Above
G12080073-006	AMS #3 Continuous 6/15/12	06/15/12 12:55 08/02/12	Filter	Same As Above
G12080073-007	AMS #4 Continuous 6/25/12	06/25/12 12:15 08/02/12	Filter	Same As Above
G12080073-008	AMS #1 Continuous 6/29/12	06/29/12 11:20 08/02/12	Filter	Same As Above
G12080073-009	AMS #2 Continuous 7/6/12	07/06/12 14:15 08/02/12	Filter	Same As Above
G12080073-010	AMS #3 Continuous 7/13/12	07/13/12 10:15 08/02/12	Filter	Same As Above
G12080073-011	AMS #4 Continuous 7/25/12	07/25/12 15:00 08/02/12	Filter	Same As Above
G12080073-012	AMS #1 Continuous 7/30/12	07/30/12 15:00 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:

<b>ENERG</b>	www.energylab.com Analytical Excellence Since 1952	Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515 Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218
CLIENT:	Rare Element Resources Inc	
Project:	Bear Lodge	Report Date: 09/17/12
Sample Deliv	very Group: G12080073	CASE NARRATIVE

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

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, 2393 Salt Creek Hwy., Casper, WY, EPA Number WY00002 and WY00937.



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-001
Client Sample ID	AMS #2 Continuous 5/11/12

 Report Date:
 09/17/12

 Collection Date:
 05/11/12 09:42

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	12	ug/filter		1	0.4	E200.8	08/07/12 18:56 / eli-b
Lanthanum	6	ug/filter		1	0.4	E200.8	08/07/12 18:56 / eli-b
Thorium	2	ug/filter		1	0.02	E200.8	08/07/12 18:56 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 18:56 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.6	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.4	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	e resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.37	pCi/Filter	U			E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.34	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.55	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

MDL - Method detection limit

QCL - Quality control limit.



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-002
Client Sample ID	AMS #3 Continuous 5/21/12

 Report Date:
 09/17/12

 Collection Date:
 05/21/12 11:45

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	18	ug/filter		1	0.4	E200.8	08/07/12 19:01 / eli-b
Lanthanum	9	ug/filter		1	0.4	E200.8	08/07/12 19:01 / eli-b
Thorium	2	ug/filter		1	0.02	E200.8	08/07/12 19:01 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:01 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	1.1	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	1.4	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.56	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.57	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-003
Client Sample ID	AMS #4 Continuous 5/24/12

 Report Date:
 09/17/12

 Collection Date:
 05/24/12 15:15

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	17	ug/filter		1	0.4	E200.8	08/07/12 19:06 / eli-b
Lanthanum	8	ug/filter		1	0.4	E200.8	08/07/12 19:06 / eli-b
Thorium	2	ug/filter		1	0.02	E200.8	08/07/12 19:06 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:06 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.9	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.4	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.75	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.44	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.58	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-004
Client Sample ID	AMS #1 Continuous 6/1/12

 Report Date:
 09/17/12

 Collection Date:
 06/01/12 09:20

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	17	ug/filter		1	0.4	E200.8	08/07/12 19:10 / eli-b
Lanthanum	8	ug/filter		1	0.4	E200.8	08/07/12 19:10 / eli-b
Thorium	2	ug/filter		1	0.02	E200.8	08/07/12 19:10 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:10 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.8	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	e resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.50	pCi/Filter	U			E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.43	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.68	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions: RL - Analyte reporting limit.

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

U - Not detected at minimum detectable concentration

MDL - Method detection limit

QCL - Quality control limit.



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-005
Client Sample ID	AMS #2 Continuous 6/8/12

 Report Date:
 09/17/12

 Collection Date:
 06/08/12 11:35

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	12	ug/filter		1	0.4	E200.8	08/07/12 19:15 / eli-b
Lanthanum	6	ug/filter		1	0.4	E200.8	08/07/12 19:15 / eli-b
Thorium	1	ug/filter		1	0.02	E200.8	08/07/12 19:15 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:15 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	1.2	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	e resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.43	pCi/Filter	U			E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.35	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.54	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

MDL - Method detection limit

QCL - Quality control limit.



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-006
Client Sample ID	AMS #3 Continuous 6/15/12

 Report Date:
 09/17/12

 Collection Date:
 06/15/12 12:55

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	15	ug/filter		1	0.4	E200.8	08/07/12 19:20 / eli-b
Lanthanum	7	ug/filter		1	0.4	E200.8	08/07/12 19:20 / eli-b
Thorium	2	ug/filter		1	0.02	E200.8	08/07/12 19:20 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:20 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	1.0	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	e resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.62	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.38	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.49	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-007
Client Sample ID	AMS #4 Continuous 6/25/12

 Report Date:
 09/17/12

 Collection Date:
 06/25/12 12:15

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	22	ug/filter		1	0.4	E200.8	08/07/12 19:45 / eli-b
Lanthanum	11	ug/filter		1	0.4	E200.8	08/07/12 19:45 / eli-b
Thorium	6	ug/filter		1	0.02	E200.8	08/07/12 19:45 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:45 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.9	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 13:34 / eli-c
- For Ra226 sample matrix interference	resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	0.93	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.44	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.49	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-008
Client Sample ID	AMS #1 Continuous 6/29/12

 Report Date:
 09/17/12

 Collection Date:
 06/29/12 11:20

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	30	ug/filter		1	0.4	E200.8	08/07/12 19:50 / eli-b
Lanthanum	16	ug/filter		1	0.4	E200.8	08/07/12 19:50 / eli-b
Thorium	4	ug/filter		1	0.02	E200.8	08/07/12 19:50 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:50 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	1.1	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
- For Ra226 sample matrix interference	e resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	1.0	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.47	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.52	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-009
Client Sample ID	AMS #2 Continuous 7/6/12

 Report Date:
 09/17/12

 Collection Date:
 07/06/12 14:15

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	81	ug/filter		1	0.4	E200.8	08/07/12 19:55 / eli-b
Lanthanum	47	ug/filter		1	0.4	E200.8	08/07/12 19:55 / eli-b
Thorium	28	ug/filter		1	0.02	E200.8	08/07/12 19:55 / eli-b
Uranium	3	ug/filter		1	0.00008	E200.8	08/07/12 19:55 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	3.5	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 precision (±)	0.8	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
- For Ra226 sample matrix interference	resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	1.6	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.58	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.49	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:	Rare Element Resources Inc
Project:	Bear Lodge
Lab ID:	G12080073-010
Client Sample ID	AMS #3 Continuous 7/13/12

 Report Date:
 09/17/12

 Collection Date:
 07/13/12 10:15

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	19	ug/filter		1	0.4	E200.8	08/07/12 19:59 / eli-b
Lanthanum	10	ug/filter		1	0.4	E200.8	08/07/12 19:59 / eli-b
Thorium	5	ug/filter		1	0.02	E200.8	08/07/12 19:59 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 19:59 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.8	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
- For Ra226 sample matrix interference	resulted in high chemi	cal recoveries w	hich has likely bia	sed the r	esults low.		
RADIOCHEMICAL							
Thorium 230	1.5	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.56	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.56	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:Rare Element Resources IncProject:Bear LodgeLab ID:G12080073-011Client Sample IDAMS #4 Continuous 7/25/12

 Report Date:
 09/17/12

 Collection Date:
 07/25/12 15:00

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	15	ug/filter		1	0.4	E200.8	08/07/12 20:04 / eli-b
Lanthanum	8	ug/filter		1	0.4	E200.8	08/07/12 20:04 / eli-b
Thorium	3	ug/filter		1	0.02	E200.8	08/07/12 20:04 / eli-b
Uranium	ND	ug/filter		1	0.00008	E200.8	08/07/12 20:04 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	0.8	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 MDC	0.6	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
RADIOCHEMICAL							
Thorium 230	0.65	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 precision (±)	0.41	pCi/Filter				E908.0	08/24/12 08:22 / eli-c
Thorium 230 MDC	0.57	pCi/Filter				E908.0	08/24/12 08:22 / eli-c

Report Definitions:



Prepared by Gillette, WY Branch

Client:Rare Element Resources IncProject:Bear LodgeLab ID:G12080073-012Client Sample IDAMS #1 Continuous 7/30/12

 Report Date:
 09/17/12

 Collection Date:
 07/30/12 15:00

 DateReceived:
 08/02/12

 Matrix:
 Filter

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By
METALS IN AIR							
Cerium	32	ug/filter		1	0.4	E200.8	08/07/12 20:09 / eli-b
Lanthanum	18	ug/filter		1	0.4	E200.8	08/07/12 20:09 / eli-b
Thorium	4	ug/filter		1	0.02	E200.8	08/07/12 20:09 / eli-b
Uranium	1	ug/filter		1	0.00008	E200.8	08/07/12 20:09 / eli-b
RADIONUCLIDES - TOTAL							
Radium 226	1.9	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
Radium 226 MDC	0.7	pCi/Filter				E903.0	09/06/12 15:10 / eli-c
RADIOCHEMICAL							
Thorium 230	0.52	pCi/Filter	U			E908.0	08/24/12 08:23 / eli-c
Thorium 230 precision (±)	0.42	pCi/Filter				E908.0	08/24/12 08:23 / eli-c
Thorium 230 MDC	0.65	pCi/Filter				E908.0	08/24/12 08:23 / eli-c

Report Definitions: RL - Analyte reporting limit.

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

U - Not detected at minimum detectable concentration

MDL - Method detection limit

QCL - Quality control limit.



## **QA/QC Summary Report**

Prepared by Billings, MT Branch

Client: Rare Element Resources Inc

Project: Bear Lodge

Report Date: 08/09/12 Work Order: G12080073

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8						Analytica	ll Run: I	CPMS203-B	_120807
Sample ID:	QCS	Initial Calibrat	on Verification	Standard					08/0	7/12 12:5
Cerium		0.0493	mg/L	0.0010	99	90	110			
Lanthanum		0.0483	mg/L	0.0010	97	90	110			
Thorium		0.0196	mg/L	0.0010	98	90	110			
Uranium		0.0190	mg/L	0.0010	95	90	110			
Method:	E200.8								Ва	tch: 64380
Sample ID:	MB-64380	Method Blank				Run: ICPM	S203-B_120807A		08/0	7/12 17:5
Cerium		0.006	ug/filter	0.0004						
Lanthanum		0.009	ug/filter	0.0004						
Thorium		0.01	ug/filter	0.002						
Uranium		0.01	ug/filter	7E-06						
Sample ID:	G12080073-012ADUP	Sample Dupli	cate			Run: ICPM	S203-B_120807A		08/0	7/12 20:14
Cerium		30.9	ug/filter	1.0				3.8	20	
Lanthanum		17.6	ug/filter	1.0				2.0	20	
Thorium		3.43	ug/filter	1.0				4.4	20	
Uranium		1.11	ug/filter	1.0				6.7	20	
Sample ID:	LFB-64380	Laboratory Fo	rtified Blank			Run: ICPM	S203-B_120807A		08/0	7/12 20:19
Cerium		10.3	ug/filter	1.0	103	80	120			
Lanthanum		10.3	ug/filter	1.0	103	80	120			
Thorium		9.26	ug/filter	1.0	92	80	120			
Uranium		10.6	ug/filter	1.0	106	80	120			
Sample ID:	LFBD-64380	Laboratory Fo	rtified Blank Du	plicate		Run: ICPM	S203-B_120807A		08/0	7/12 20:24
Cerium		10.1	ug/filter	1.0	101	80	120			
Lanthanum		10.2	ug/filter	1.0	102	80	120			
Thorium		9.76	ug/filter	1.0	98	80	120			
Uranium		10.4	ug/filter	1.0	104	80	120			
Sample ID:	G12080073-003AMS	Sample Matrix	Spike			Run: ICPM	S203-B_120807A		08/0	7/12 20:58
Cerium		328	ug/filter	1.0	104	70	130			
Lanthanum		321	ug/filter	1.0	104	70	130			
Thorium		329	ug/filter	1.0	109	70	130			
Uranium		328	ug/filter	1.0	109	70	130			
Sample ID:	G12080073-003AMSD	Sample Matrix	Spike Duplicat	e		Run: ICPM	S203-B_120807A		08/0	7/12 21:03
Cerium		322	ug/filter	1.0	102	70	130	1.9	20	
Lanthanum		314	ug/filter	1.0	102	70	130	2.1	20	
Thorium		322	ug/filter	1.0	107	70	130	2.1	20	
Uranium		319	ug/filter	1.0	106	70	130	2.7	20	
Sample ID:	G12080073-012AMS	Sample Matrix	Spike			Run: ICPM	S203-B_120807A		08/0	7/12 21:08
•		346	ug/filter	1.0	105	70	130			-

#### Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



## **QA/QC Summary Report**

Prepared by Billings, MT Branch

Client: Rare Element Resources Inc

Project: Bear Lodge

Report Date: 08/09/12 Work Order: G12080073

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8								Bat	ch: 64380
Sample ID:	G12080073-012AMS	Sample Matrix	Spike			Run: ICPM	S203-B_120807A		08/07	7/12 21:08
Lanthanum		334	ug/filter	1.0	105	70	130			
Thorium		332	ug/filter	1.0	110	70	130			
Uranium		331	ug/filter	1.0	110	70	130			
Sample ID:	G12080073-012AMSD	Sample Matrix	Spike Duplicate			Run: ICPM	S203-B_120807A		08/07	7/12 21:12
Cerium		329	ug/filter	1.0	99	70	130	5.1	20	
Lanthanum		316	ug/filter	1.0	99	70	130	5.5	20	
Thorium		317	ug/filter	1.0	104	70	130	4.7	20	
Uranium		313	ug/filter	1.0	104	70	130	5.5	20	



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## **QA/QC Summary Report**

Prepared by Casper, WY Branch

#### Client: Rare Element Resources Inc

Project: Bear Lodge

Report Date: 09/10/12 Work Order: G12080073

Analyte	Result Units	RL %REC Low Limit High Limit RPD RPDLimit Qual
Method: E903.0		Batch: 34605
Sample ID: LCS-34605	Laboratory Control Sample	Run: TENNELEC-3_120829B 09/06/12 13:34
Radium 226	13.6 pCi/Filter	112 70 130
Sample ID: G12080073-012BMS	Sample Matrix Spike	Run: TENNELEC-3_120829B 09/06/12 15:10
Radium 226	74.4 pCi/Filter	86 70 130
Sample ID: G12080073-012BMSD	Sample Matrix Spike Duplicate	Run: TENNELEC-3_120829B 09/06/12 15:10
Radium 226	85.4 pCi/Filter	99 70 130 14 23.6
Sample ID: MB-34605	Method Blank	Run: TENNELEC-3_120829B 09/06/12 15:10
Radium 226	0.2 pCi/Filter	
Radium 226 precision (±)	0.2 pCi/Filter	
Radium 226 MDC	0.2 pCi/Filter	



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## **QA/QC Summary Report**

Prepared by Casper, WY Branch

Client: Rare Element Resources Inc

Project: Bear Lodge

Report Date: 09/10/12 Work Order: G12080073

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E908.0								Bat	ch: 34605
Sample ID: G12080073-007BMS	Sample Matr	rix Spike			Run: ALPH	ANALYST_120	)822C	08/24	/12 08:22
Thorium 230	114	pCi/Filter		110	70	130			
Sample ID: G12080073-007BMSD	Sample Matr	rix Spike Duplicate			Run: ALPH	ANALYST_120	)822C	08/24	/12 08:22
Thorium 230	107	pCi/Filter		104	70	130	5.7	30.4	
Sample ID: LCS-34605	Laboratory C	Control Sample			Run: ALPH	ANALYST_120	)822C	08/24	/12 08:23
Thorium 230	10.7	pCi/Filter		109	80	120			
Sample ID: MB-34605	Method Blan	k			Run: ALPH	ANALYST_120	)822C	08/24	/12 08:23
Thorium 230	0.1	pCi/Filter							U
Thorium 230 precision (±)	0.09	pCi/Filter							
Thorium 230 MDC	0.1	pCi/Filter							

RL - Analyte reporting limit. MDC - Minimum detectable concentration



# **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

# G12080073

Login completed by:	Amanda Alley		Date I	Received: 8/2/2012
Reviewed by:	BL2000\kscottruff		Rec	ceived by: kls
Reviewed Date:	8/3/2012			Carrier Hand Del name:
Shipping container/cooler in	good condition?	Yes 🗹	No 🗌	Not Present
Custody seals intact on ship	ping container/cooler?	Yes	No 🗌	Not Present 🗹
Custody seals intact on sam	ple bottles?	Yes	No 🗌	Not Present 🗹
Chain of custody present?		Yes 🖌	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with	n sample labels?	Yes 🖌	No 🗌	
Samples in proper container,	/bottle?	Yes 🗹	No 🗌	
Sample containers intact?		Yes 🗹	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🖌	No 🗌	
All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes 🗸	No 🗌	
Temp Blank received?		Yes	No 🗌	Not Applicable 🗹
Container/Temp Blank tempe	erature:	℃ NA		
Water - VOA vials have zero	headspace?	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes 🗌	No 🗌	Not Applicable

Contact and Corrective Action Comments:

None

Imples submitted to Energy Laboratories, Inc. may be subcontracted to other certitied 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 <u>www.energylab.com</u> for additional information, downloadable fee schedule, forms, and links.

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