



Energy Fuels Resources

June 29, 2012

Mr. Steve Tarlton
Hazardous Materials & Waste Management Division
Colorado Department of Public Health and Environment
HMWM-B2
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Re: 2011 Annual Report and Financial Warranty Review
Piñon Ridge Mill, Radioactive Materials License 1170-01, Amendment No. 02

Dear Steve,

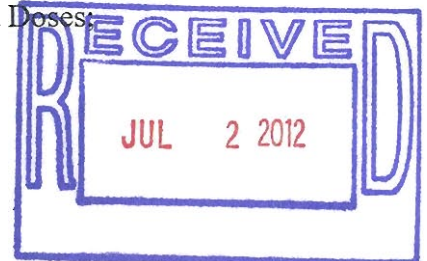
On June 13, 2012, the Denver District court issued an order on Case Number 2011CV861 (Order) that included setting aside the above referenced license. Therefore, submittal of the 2011 annual report and financial warranty review to the Colorado Department of Public Health and Environment (CDPHE) is not legally required at this time. However, Energy Fuels Resources Corporation (Energy Fuels) is providing this information voluntarily, consistent with Paragraph 7 of the Order, in the event that it might be helpful to CDPHE in "remaking" the license decision.

The Annual Report is provided in conformance with Condition 22.A of the license and the Annual Financial Warranty Review is provided in conformance with Condition 23.B of the license and 6 CCR 1007-1 Part 3, Section 3.9.5.6 of the CDPHE Rules and Regulations Pertaining to Radiation Control, as amended on March 16, 2011.

2011 Annual Report

Condition 22.A of the Piñon Ridge Mill Radioactive Materials License requires that the following information, at a minimum, be included in the annual report:

- i. A detailed summary of activities for the preceding year, including: a listing of classified materials received for processing; the amounts of classified materials processed, the amounts of materials placed into the designated on-site impoundments;
- ii. Annual ALARA Report, including a summary of Occupational Doses;
- iii. Independent ALARA Audit Report;
- iv. Personnel and Facility Monitoring;
- v. Estimates of Radiation Doses to Members of the Public;
- vi. Environmental Monitoring and Analysis;
- vii. Water Quality Monitoring Report;
- viii. Air Emissions Controls;



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- ix. Quality Assurance and Quality Control;
- x. Liquids and Solids Management;
- xi. Annual Land Use Report; and
- xii. A summary of anticipated activities for coming year.

Because the mill has not yet been constructed, most of the above items are not applicable. Each item is listed below in italics followed by the applicable information in regular text.

- i. *A detailed summary of activities for the preceding year, including: a listing of classified materials received for processing; the amounts of classified materials processed, the amounts of materials placed into the designated on-site impoundments*

Only limited baseline monitoring activities were conducted on site in 2011. No radioactive materials were received, processed or disposed of in association with this license in 2011.

- ii. *Annual ALARA Report, including a summary of Occupational Doses*

An ALARA Report was not prepared for 2011 as there were no radioactive materials associated with this license present at the site in 2011. As a result there were no occupational doses associated with this license in 2011.

- iii. *Independent ALARA Audit Report*

An Independent ALARA Audit Report was not prepared as no radioactive materials associated with this license were present on site.

- iv. *Personnel and Facility Monitoring*

Personnel and facility monitoring was not conducted as there were no radioactive materials associated with this license present at the site in 2011.

- v. *Estimates of Radiation Doses to Members of the Public*

Estimates of radiation doses to members of the public were not conducted for 2011 as there were no radioactive materials associated with this license present at the site in 2011.

- vi. *Environmental Monitoring and Analysis*

On-site groundwater monitoring of monitoring and production wells was conducted in 2011 with quarterly measurements of water levels and annual sampling and analysis. Off-site groundwater monitoring was also conducted in 2011 with quarterly measurements of water levels and productivity and annual sampling and analysis (except Stone Spring which is on a semi-annual sampling schedule). Monitoring results were generally consistent with previously collected baseline data.

No other monitoring activities were conducted in 2011. The full baseline monitoring program will resume prior to start of construction of the mill according to the schedules set forth in the Operational Monitoring Plan.

vii. *Water Quality Monitoring Report*

The 2011 Ground Water Monitoring Report is included as Appendix A.

viii. *Air Emissions Controls*

No air emissions controls were implemented, as there were no radioactive materials associated with this license present at the site in 2011. There were no air emissions associated with this license in 2011.

ix. *Quality Assurance and Quality Control*

Quality Assurance and Quality Control (QA/QC) for environmental sampling is addressed in the various baseline monitoring reports (see items vi and vii above) and associated work plans previously submitted to CDPHE. QA/QC was not applicable to occupational monitoring in 2011, as no occupational monitoring was conducted in association with this license in 2011 (see item iv. above).

x. *Liquids and Solids Management*

No liquids and solids management activities were performed in 2011 as there were no radioactive materials associated with this license present at the site in 2011. No radioactive materials associated with this license were received, processed, or disposed on site in 2011.

xi. *Annual Land Use Report*

To the knowledge of Energy Fuels, there have been no changes of land use within a 5-mile radius of the mill site in 2011. Because the Piñon Ridge Mill did not start construction in 2011, there were no noticeable changes in local demographic and land use trends.

xii. *A summary of anticipated activities for coming year*

The limited groundwater monitoring program described above will continue in 2012. We may also perform on-site maintenance of existing roads. No other on-site activities are planned at this time in accordance with Paragraph 7 of the Order.

Energy Fuels will participate in the hearings required to be held by the Order and assist local, state and federal agencies, where appropriate and if necessary, with the legal defense of any facility permits and approvals that are appealed by opponents of the mill. Of course, if legal circumstances change during the course of the year based on the remaking of CDPHE's license decision, Energy Fuels may conduct additional activities authorized by and pursuant to that remade license decision.

2011 Financial Warranty Review

All conditions factored into the calculation of the financial warranty for the mill remain the same as those stated in the Piñon Ridge Mill Decommissioning and Reclamation Cost Estimate," dated October 2009 and previously submitted to CDPHE. A total of \$844,400 in cash was deposited with the state treasury on March 4, 2011 to fund the Long Term Care Fund and a surety bond of \$1,373,900 was submitted to CDPHE on May 6, 2011 as the first installment of the phased bonding plan approved in Condition 23 of License

1170-01, Amendment No. 2. At the current time, there is no reclamation liability at the site because construction of the mill has not started and no radioactive material has been brought on site.

Sincerely,



Frank Filas, P.E.

Director of Environmental and Regulatory Affairs

Attachment

Cc: C. Moore, S. Antony (Energy Fuels)
J. Spaanstra (Faegre Baker Daniels)

**2011 GROUNDWATER MONITORING REPORT
ENERGY FUELS RESOURCES CORPORATION
PIÑON RIDGE MILL
MONTROSE COUNTY, COLORADO**

**June 28, 2012
Rev. 0**

Prepared By:



Energy Fuels Resources Corporation
44 Union Boulevard, Suite 600
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Attachment A	2011 Groundwater Monitoring Field Sheets
Attachment B	Second Quarter 2011 Laboratory Analytical Report
Attachment C	Fourth Quarter 2011 Laboratory Analytical Report

1.0 Introduction

The proposed Piñon Ridge Mill will be a conventional acid leach uranium and vanadium mill in western Montrose County, Colorado. A general location map of the mill site (Site) is presented on Figure 1. The Site is located in eastern Paradox Valley. The prominent geologic feature of Paradox Valley is a northwest-trending collapsed salt dome comprised of the Hermosa Formation. The only known occurrences of groundwater under and near the site are close to the contact between the Chinle and Moenkopi formations and close to the contact between the Moenkopi and Hermosa formations. In the vicinity of the Site, the Chinle and Moenkopi formations are present near Davis Mesa on the southwest side of the valley, and are truncated by the Hermosa Formation near the axis of the valley. Additional details regarding the hydrostratigraphy can be found in the Hydrogeologic Report (Golder 2009c).

Sampling and measurement of the monitoring wells and production wells located on and near the Piñon Ridge Mill site have been conducted on a quarterly basis from the fourth quarter of 2007 through the third quarter 2009. Following the third quarter 2009, the schedule for these wells was modified to an annual sampling schedule with water level measurements remaining on a quarterly schedule. In addition, off-site groundwater monitoring has been conducted from second quarter 2008 to the present. Previously submitted reports included groundwater sampling and measurement events through the fourth quarter of 2010. Those reports include:

- Fourth Quarter 2007 Quarterly Groundwater Monitoring Report, February 12, 2008
- First Quarter 2008 Quarterly Groundwater Monitoring Report, April 29, 2008
- Second Quarter 2008 Quarterly Groundwater Monitoring Report, November 6, 2008
- Third Quarter 2008 Quarterly Groundwater Monitoring Report, November 14, 2008
- Fourth Quarter 2008 Quarterly Groundwater Monitoring Report, March 12, 2009
- First Quarter 2009 Quarterly Groundwater Monitoring Report, June 5, 2009
- Second Quarter 2009 Quarterly Groundwater Monitoring Report, June 10, 2009
- Third Quarter 2009 Quarterly Groundwater Monitoring Report, September 25, 2009
- Groundwater Monitoring Summary Report, October 2009
- Hydrogeologic Report, rev 1, October 2009
- Groundwater Monitoring Addendum, April 9, 2010
- Groundwater Monitoring Addendum No. 2, August 10, 2010
- Groundwater Monitoring 2010 Summary Report, February 2, 2011

This summary report addresses the groundwater monitoring activities conducted in 2011.

Groundwater is monitored at 17 locations on, and in the vicinity of, the Mill property. The monitoring locations include nine on-site monitoring wells, three production wells on and near the site, four off-site domestic and stock wells and one off-site spring. Refer to Figures 1 and 2 for the off-site and on-site groundwater monitoring locations, respectively. Energy Fuels Resources Corporation (Energy Fuels) has been unable to obtain permission to access the Herron Well. The remaining four off-site wells in East Paradox Valley are all included in the monitoring program.

Groundwater is currently being monitoring in accordance with the pre-operational monitoring schedule. During the current pre-operational phase, the monitoring and production wells have been monitored for groundwater levels on a quarterly basis and sampled annually; the off-site wells have been tested for productivity on a quarterly basis and sampled annually; and the off-site spring (Stone Spring) has been tested for productivity on a quarterly basis and sampled semi-annually.

2.0 Groundwater Monitoring

2.1 Groundwater Level Measurement

Groundwater level measurements were conducted quarterly at each monitoring well in February, May, August and October of 2011. Groundwater level measurements were conducted at the off-site Boren and BLM Wells prior to productivity testing during each calendar quarter in February, June, August and October. The remaining off-site wells were not measured because they are not designed to allow access for water level measurements without permanent alteration of the well. Monitoring wells MW-1 through MW-4 were reported as dry during each measurement event, although a small amount of water was detected intermittently at the base of monitoring wells MW-1, MW-3 and MW-4.

Dedicated pumps were installed in the production wells in late 2010 and as a result the water level probe is having difficulty getting to the full depth to read the water level. Water level measurements were attempted quarterly at the production wells with limited success as shown in Table 1. Water level measurements in the production wells have been suspended.

2.2 Water Level Data

A potentiometric surface map (see Figure 2) was developed based on the October 10, 2011 water level measurements within the monitoring wells and the last measured level in the production wells. This figure reflects the northeast to northwest flow paths of the local groundwater system and is consistent with Figure 6 of the Hydrogeologic Report (Golder 2009c), based on August 2008 groundwater level data.

The BLM Well and Boren Well showed a decrease of 1.05 and 0.23 feet, respectively, in 2011. The BLM and Boren Wells are located 2.6 miles upgradient and 5.0 miles downgradient of the mill site, respectively. The approximate elevations of the BLM and Boren Wells are 5700 and 5080 feet above mean sea level (amsl) and the resulting groundwater elevations are 5530 and 5050 feet amsl, respectively. These elevations are consistent with the overall northwest groundwater flow towards the Dolores River.

Groundwater level measurement and well productivity testing field sheets from 2011 are presented in Attachment A. Refer to Table 1 and Figures 3 and 4 for groundwater level measurements collected to date. Figures 3 and 4 do not include off-site wells because accurate elevation data is not available for these wells.

Review of Figure 3 indicates that levels at the Chinle/Moenkopi wells (monitoring well MW-7 and production wells PW-1, PW-2 and PW-3) have decreased by 0.27 to 1.83 feet in 2011 (i.e., since the November 30, 2010 measurement event), with the exception of monitoring well MW-5. The groundwater level at monitoring well MW-5 has increased by 0.26 feet in 2011.

Figure 4 shows the water levels in Hermosa/Moenkopi contact monitoring wells (MW-6 and MW-8B) increased by 7.58 and 38.73 feet in 2011, respectively. MW-8B has recovered to the level measured in the second quarter 2010 which is before the dedicated pump in MW-6 was accidentally left on for an extended period of time. MW-6 has not yet fully recovered to the second quarter 2010 level.

Monitoring well MW-9 was excluded from the graphical analysis because it is completed in a zone of very low hydraulic conductivity and the intercepted groundwater appears to be from interstitial moisture rather than from groundwater flow.

2.3 Well Purging and Field Parameter Measurement

Field parameters of temperature, pH, specific conductivity, dissolved oxygen (DO) and oxidation reduction potential (ORP) were measured during purging and prior to sample collection. When possible, a flow-through cell was connected to the pump discharge tubing to measure field parameters with minimal influence from atmospheric conditions. For wells with adequate recharge rates and sufficient volumes of water for sample collection, purging continued until field measurements stabilized. Stabilization of field parameters was achieved when measurements taken over three consecutive readings at three- to five-minute intervals were within the following limits:

- Temperature $\pm 3\%$
- pH ± 0.1 s.u.
- Specific Conductivity $\pm 3\%$
- Dissolved Oxygen $\pm 10\%$
- Oxidation-Reduction Potential ± 10 millivolts

These stabilization guidelines are recommended in “US EPA Region I, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from monitoring Wells”, published July 30, 1996.

Purging of monitoring and production wells was conducted prior to sampling on June 2, 2011. Monitoring wells MW-5 and MW-9 were hand bailed to as close to dry as practical. The wells were then allowed time to recharge in an effort to sample. Monitoring well MW-6 and the production wells PW-1, PW-2, and PW-3 were purged with a dedicated Grundfos pump until at least three casing volumes had been purged and field parameters (temperature, pH, specific conductance, oxidation-reduction potential, and dissolved oxygen) had stabilized. Monitoring wells MW-7 and MW-8 and were micro-purged with bladder pump using low-flow methods until field parameters had stabilized.

Purging of the four off-site wells (Hurdle Well, Davis Well, BLM Well, and Boren Well) and Stone Spring was conducted during productivity testing on a quarterly basis in February, May/June, August, and October 2010. These wells and spring were purged for a minimum of 20 minutes during each event in accordance with Monitoring and Mitigation Plan for Pumping Production Wells (Golder 2009a).

2.4 Groundwater Sampling

Groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7 and MW-8B, production wells PW-1, PW-2 and PW-3, Hurdle Well, Davis Well, BLM Well and Boren Well in May and June 2011. Groundwater samples were collected from Stone Spring in June and October 2011. Samples were collected after purging the well/spring until field parameters stabilized or, as was the case with monitoring well MW-5, until the well was purged dry and allowed to recharge. Monitoring well MW-9 was purged to as dry as practical in May 2010 but did not sufficiently recharge to collect a sample.

Monitoring well samples for dissolved constituents were field-filtered to 0.45 microns. All samples were placed into laboratory-prepared containers with appropriate preservatives. Duplicate samples were also collected from MW-6 and the BLM Well. The containers were placed under ice in coolers and prepared for transport under chain-of-custody to ACZ Laboratories, Inc. (ACZ) in Steamboat Springs, Colorado. Samples were shipped by overnight delivery to the laboratory following standard chain-of-custody procedures.

3.0 Groundwater Analytical Results

Groundwater samples from the monitoring and production wells were analyzed for:

- Dissolved metals (aluminum, arsenic, boron, copper, iron, lead, manganese, molybdenum, selenium, uranium, vanadium, and zinc by Methods E200.7 or 200.8);
- Major dissolved ions (alkalinity, carbonate, bicarbonate, calcium, chloride, fluoride, magnesium, ammonia as nitrogen, nitrate/nitrite, potassium, silica, sodium, sulfate, sulfide) by applicable methods;
- Physical properties (total dissolved solids [TDS] by Method A2540C and total suspended solids [TSS] by Method A2540B); and
- Dissolved radionuclides (gross alpha and gross beta by Method E900.0, radium-226 by Method E903.1, radium-228 by Method E904.0, lead-210 by Method EICHRM, and thorium-230 by Method ESM 4506).

Groundwater samples from the off-site wells and Stone Spring were analyzed for:

- All parameters listed above;
- Additional dissolved metals (barium, cadmium, cesium, chromium, mercury, and nickel by Methods E200.7 or 200.8); and
- Total organic carbon (TOC) by method SM5310B.

A summary of the laboratory analytical results relative to CDPHE and US EPA standards is presented in Tables 2A, 2B and 2C. The analytical reports from the May and June samples are included in Attachment B of this report. The analytical report from the October Stone Spring sample is included in Attachment C.

4.0 Quality Assurance/Quality Control

4.1 Duplicate samples

Duplicate samples were collected from the MW-6 and the BLM Well on May 26 and May 31, 2011, respectively. The duplicate samples were analyzed for the dissolved metals and radionuclides listed in Section 3.0.

Dissolved metal results for duplicate samples typically compared favorably to the parent sample. Relative percent differences (RPDs) between the duplicate and parent samples are generally low (i.e., below 35 RPD), with the following exceptions:

- Arsenic results for samples collected from MW-6;
- Manganese results for samples collected from MW-6;

Differences between duplicate and parent samples for dissolved metals results above were generally at or near the minimum detectable limit, where small differences in the results can lead to high RPDs.

4.2 Data Completeness

Data completeness is measured as a percentage of the targeted parameters for which unqualified data are obtained. The overall data completeness target for this project is 90 percent. The data completeness for each sampling event to date is summarized in Table 3. The overall data completeness for the project currently ranges from 96.5 to 100 percent for each of the wells and spring, meeting the overall data recovery goal for the project.

4.3 Laboratory QA/QC

A review of the ACZ Level 3 quality control indicates the instruments appeared to be functioning properly because calibration blanks and standards, method blanks, fortified blanks, control samples, spikes and spike duplicates, and sample duplicates concentrations were within the acceptable ranges per the specified methods. Where quality control samples were outside of acceptable ranges, the laboratory provided case narratives that indicated or resolved the discrepancies.

Laboratory analyses were conducted within hold times for all analyses in 2011. Sample anion-cation charge balances were within acceptable ranges, except for the Hurdle Well sample (charge balance of 11.2%) and the Davis Well sample (charge balance of 10.8%) from the May sampling event.

5.0 Discussion

Groundwater levels at the Chinle/Moenkopi wells (monitoring well MW-7 and production wells PW-1, PW-2 and PW-3) have decreased by 0.27 to 1.83 feet in 2011 (i.e., since the November 30, 2010 measurement event), with the exception of monitoring well MW-5. The groundwater level at monitoring well MW-5 increased by 0.26 feet in 2011.

The groundwater levels in the Hermosa/Moenkopi contact monitoring wells (MW-6 and MW-8B) increased by 7.58 and 38.73 feet in 2011, respectively. This is attributable to the dedicated pump in monitoring well MW-6 being left on for an extended period of time between late-August and late-September 2010 as discussed in detail in Section 2.2.

The BLM Well and Boren Well showed a decrease of 1.05 and 0.23 feet, respectively, in 2011. The BLM and Boren Wells are located 2.6 miles upgradient and 5.0 miles downgradient of the mill site, respectively.

Analytical data collected in 2011 at the monitoring wells, production wells, off-site wells and Stone Spring has been generally consistent with previously collected data. As such, discussions of water quality presented in Section 5.2 of the Groundwater Monitoring Summary Report (Golder 2009b) remain relevant.

6.0 References

Energy Fuels Resources Corporation (Energy Fuels), 2009a. Fourth Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. March 12, 2009.

Energy Fuels, 2009b. First Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. June 5, 2009.

Energy Fuels, 2009c. Second Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. June 10, 2009.

Energy Fuels, 2009d. Third Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. September 25, 2009.

Energy Fuels, 2010. Groundwater Monitoring Addendum No. 2, Piñon Ridge Mill, Montrose County, Colorado. August 10, 2010.

Energy Fuels, 2010. Groundwater Monitoring 2010 Summary Report, Piñon Ridge Mill, Montrose County, Colorado. August 10, 2010.

Golder, 2009a. Technical Memorandum re: Proposed Monitoring and Mitigation Plan for Pumping Production Wells, Piñon Ridge Project, Colorado. Revised July 7, 2009.

Golder, 2009b. Groundwater Monitoring Summary Report, Piñon Ridge Project, Montrose County, Colorado. October 2009.

Golder, 2009c. Hydrogeologic Report, Piñon Ridge Project, Montrose County, Colorado. Revision 1, October 2009.

Golder, 2010. Letter report re: Groundwater Monitoring Addendum, Piñon Ridge Project, Montrose County, Colorado. April 9, 2010.

Kleinfelder West, Inc. (Kleinfelder), 2008a. Letter report re: Quarterly Groundwater Monitoring Report, Piñon Ridge Mill Site, Montrose County, Colorado. February 12, 2008.

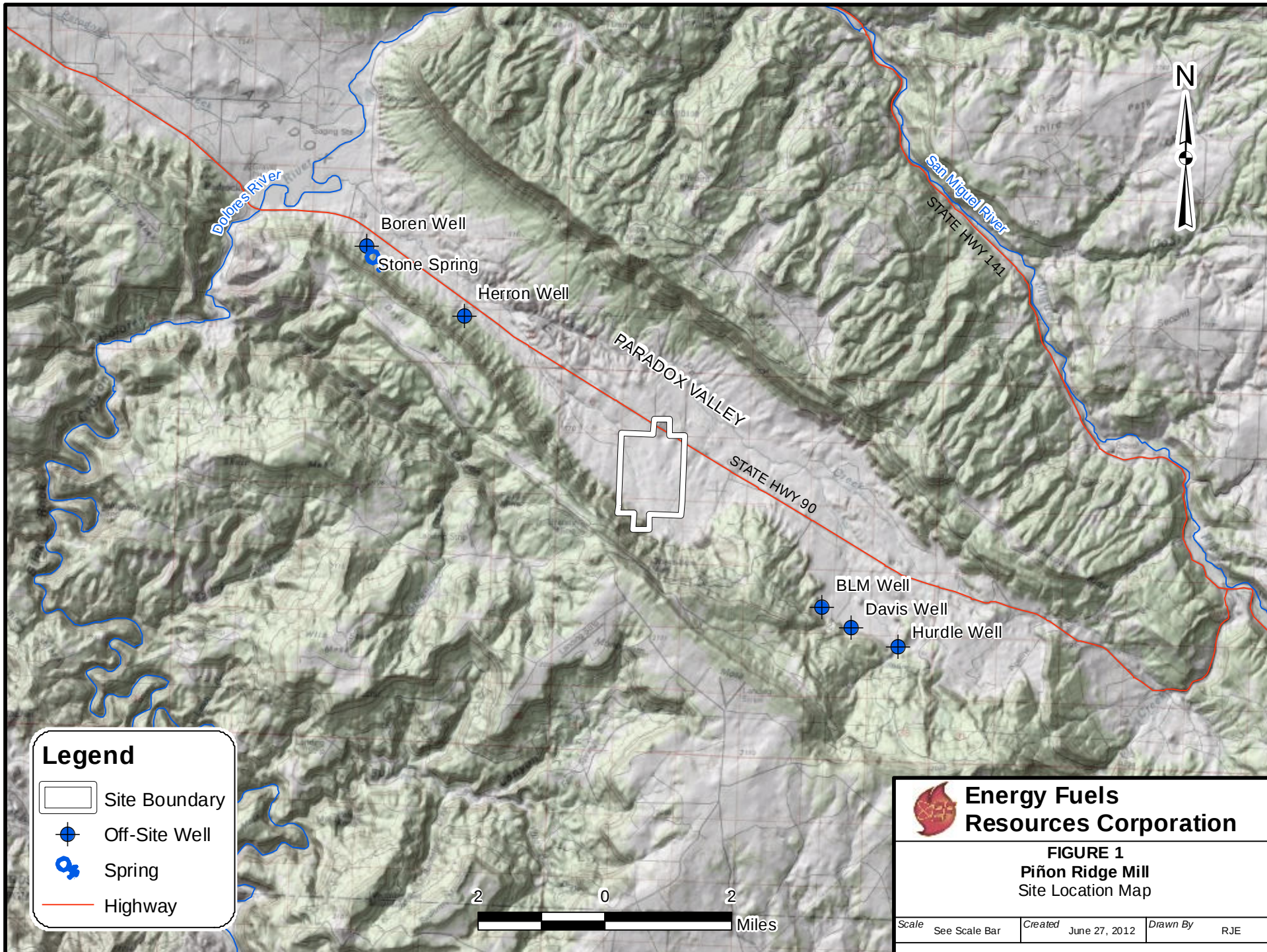
Kleinfelder, 2008b. Letter report re: Quarterly Groundwater Monitoring Report, Piñon Ridge Mill Site, Montrose County, Colorado. April 29, 2008.

Kleinfelder, 2008c. Second Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. November 6, 2008.

Kleinfelder, 2008d. Third Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. November 14, 2008.

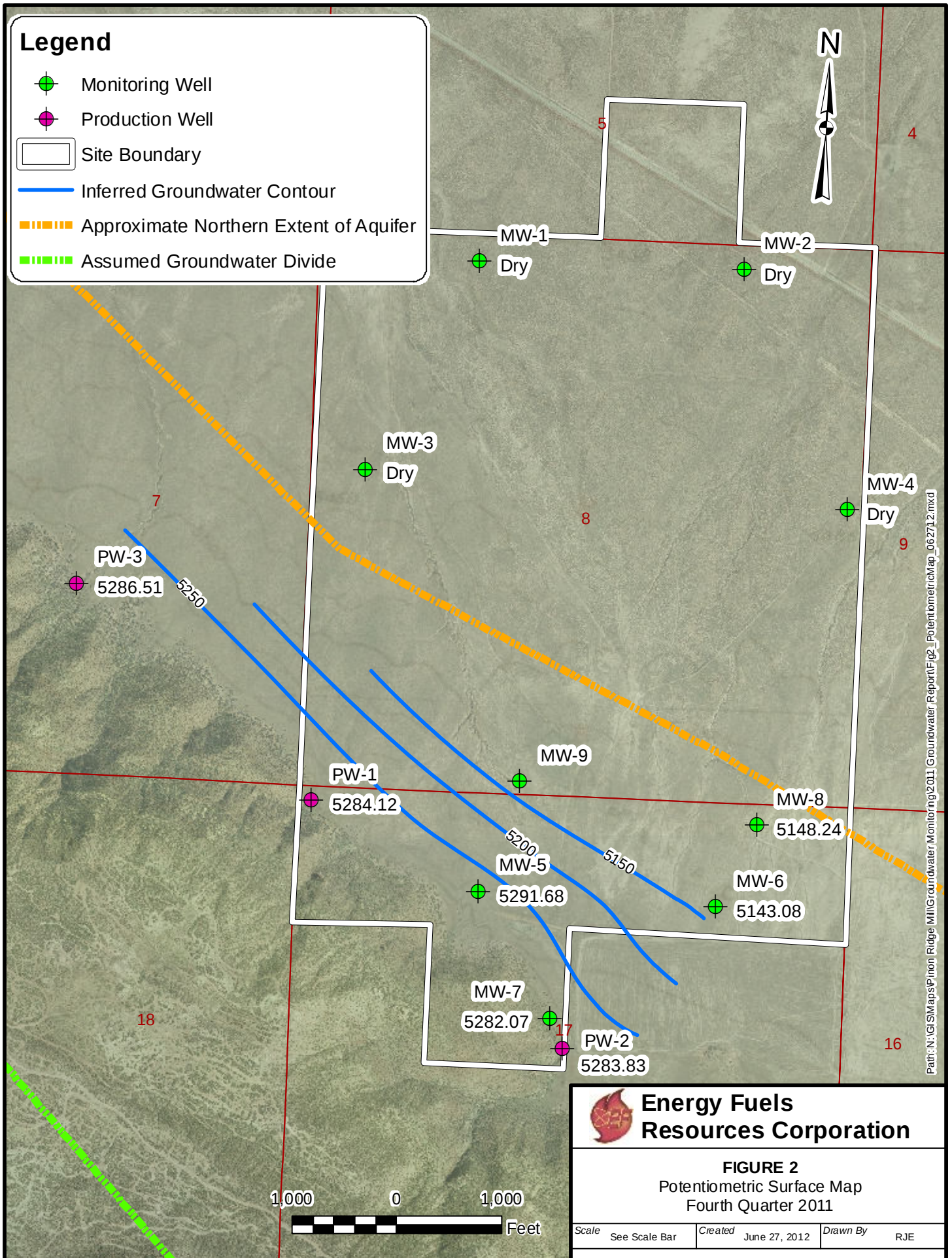
FIGURES

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|----------|---|
| Figure 1 | Site Location Map |
| Figure 2 | Potentiometric Surface Map, Fourth Quarter 2011 |
| Figure 3 | Water Levels – Chinle/Moenkopi Aquifer |
| Figure 4 | Water Levels – Moenkopi/Hermosa Contact |



Legend

- Monitoring Well
- Production Well
- Site Boundary
- Inferred Groundwater Contour
- Approximate Northern Extent of Aquifer
- Assumed Groundwater Divide



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Figure 3
Water Levels - Chinle/Moenkopi Aquifer

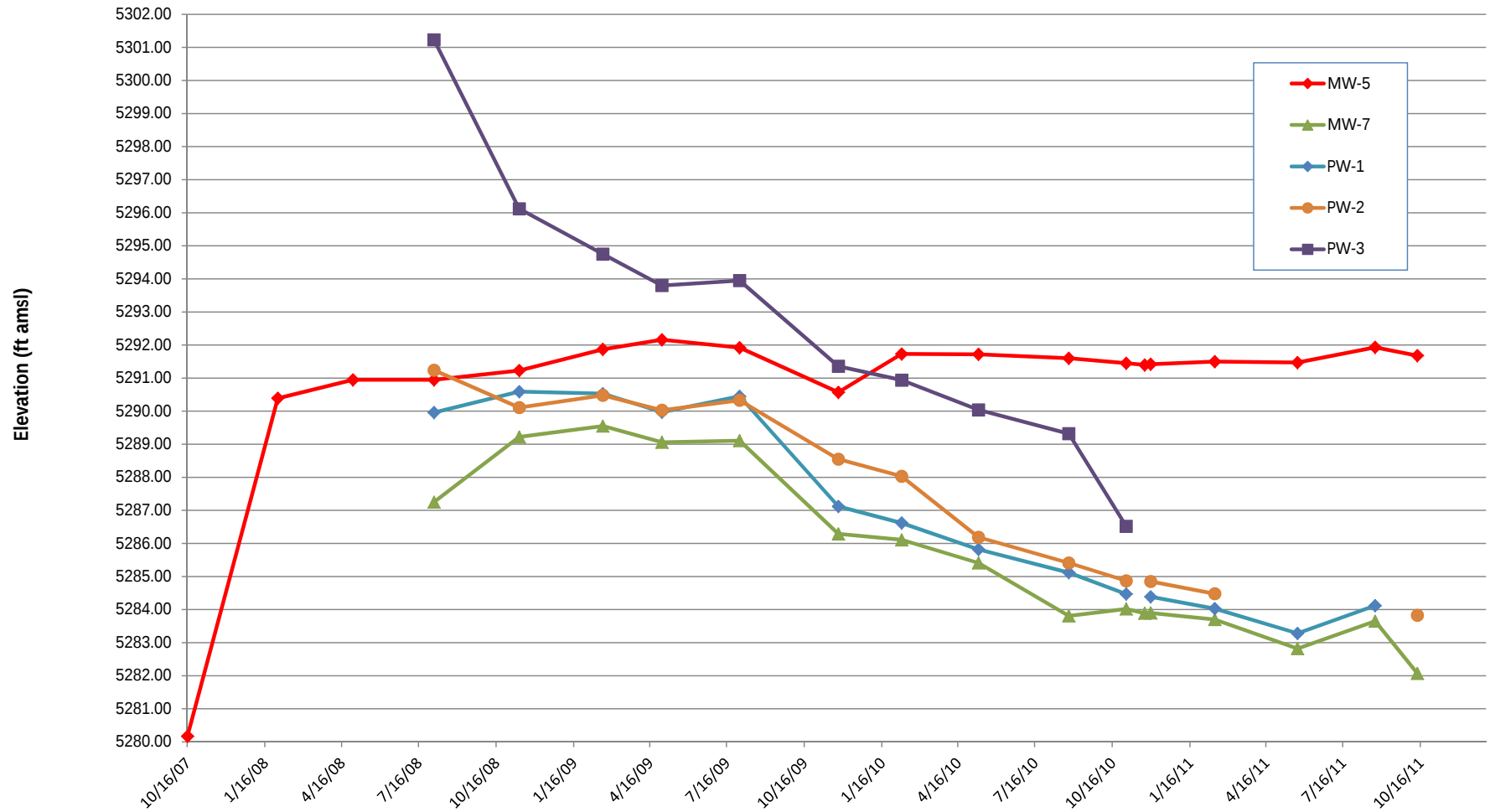
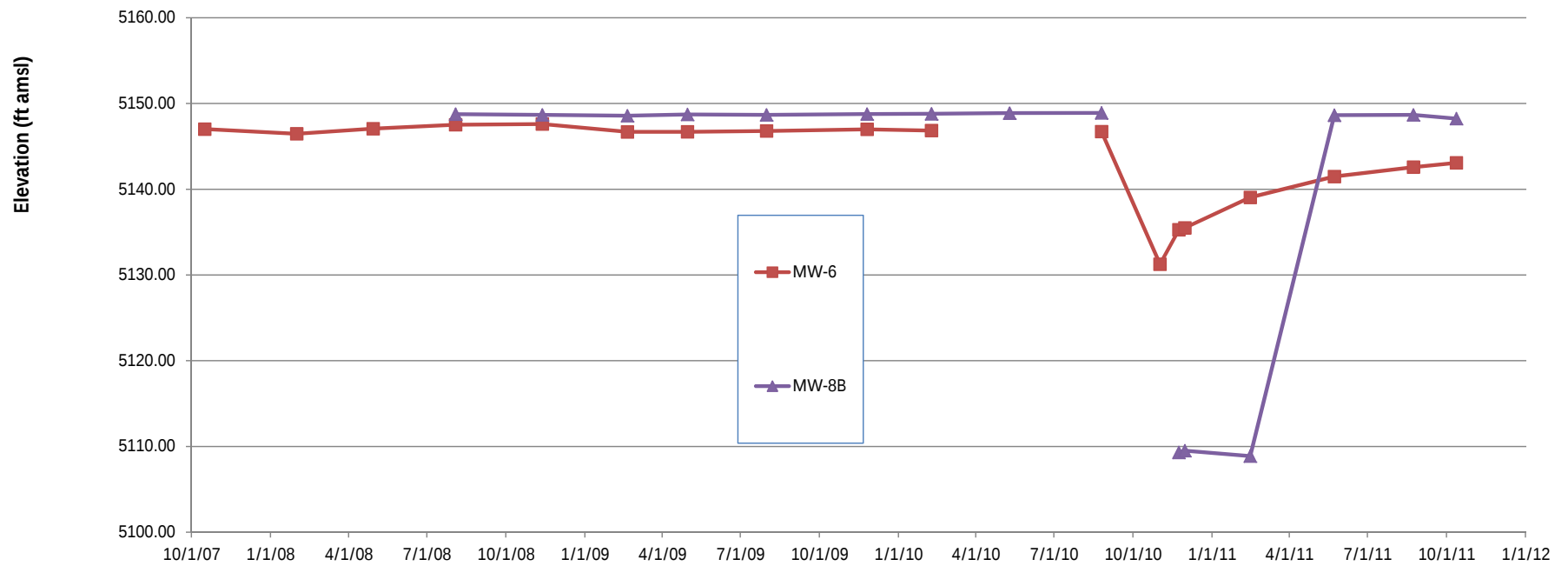


Figure 4
Water Levels - Moenkopi/Hermosa Contact



TABLES

Table 1	Water Level Measurements
Table 2A	On-Site Groundwater Analytical Results
Table 2B	Off-Site Groundwater Analytical Results
Table 2C	Quality Control Analytical Results
Table 2A, 2B and 2C Notes	
Table 3	Groundwater Data Completeness

TABLE 1
WATER LEVEL MESUREMENTS

Well	Top of Casing Elevation (ft amsl ¹)	Depth of Well ² (ft btoc ³)	Date	Depth to Water (ft btoc ³)	Water Column Height (ft)	Groundwater Elevation (ft amsl ¹)
MW-1	5423.76	32.49	10/16/07	dry	dry	dry
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	32.49	0.00	5391.27
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
			2/14/11	dry	dry	dry
			5/23/11	dry	dry	dry
			8/23/11	dry	dry	dry
			10/12/11	dry	dry	dry
MW-2	5432.65	27.42	10/16/07	25.12	77.53	5407.53
			1/29/08	dry	dry	dry
			4/29/08	26.55	76.10	5406.10
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
			2/14/11	dry	dry	dry
			5/23/11	dry	dry	dry
			8/23/11	dry	dry	dry
			10/12/11	dry	dry	dry
MW-3	5452.29	102.65	10/16/07	99.25	3.40	5353.04
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	100.21	2.44	5352.08
			11/12/08	100.65	2.00	5351.64
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/27/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	102.65	0.00	5349.64
			11/23/10	102.65	0.00	5349.64
			11/30/10	102.65	0.00	5349.64
			2/14/11	102.65	0.00	5349.64
			5/23/11	102.65	0.00	5349.64
			8/23/11	102.66	-0.01	5349.63
			10/12/11	dry	dry	dry

TABLE 1
WATER LEVEL MESUREMENTS

Well	Top of Casing Elevation (ft amsl ¹)	Depth of Well ² (ft btoc ³)	Date	Depth to Water (ft btoc ³)	Water Column Height (ft)	Groundwater Elevation (ft amsl ¹)
MW-4	5475.55	67.67	10/16/07	dry	dry	dry
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
			2/14/11	dry	dry	dry
			5/23/11	dry	dry	dry
			8/23/11	dry	dry	dry
			10/12/11	dry	dry	dry
MW-5	5572.89	302	10/16/07	292.72	9	5280.17
			1/31/08	282.50	20	5290.39
			4/29/08	281.94	20	5290.95
			8/3/08	281.94	20	5290.95
			11/12/08	281.66	20	5291.23
			2/19/09	281.02	21	5291.87
			4/30/09	280.73	21	5292.16
			7/31/09	280.97	21	5291.92
			11/25/09	282.32	20	5290.57
			2/8/10	281.16	21	5291.73
			5/10/10	281.17	21	5291.72
			8/25/10	281.29	21	5291.60
			11/1/10	281.44	21	5291.45
			11/23/10	281.49	21	5291.40
			11/30/10	281.47	21	5291.42
			2/14/11	281.39	21	5291.50
			5/23/11	281.42	21	5291.47
			8/23/11	280.96	21	5291.93
			10/12/11	281.21	21	5291.68
MW-6	5554.47	487	10/16/07	407.45	80	5147.02
			1/29/08	408.00	79	5146.47
			4/22/08	407.59	80	5146.88
			4/29/08	407.40	80	5147.07
			8/4/08	406.94	80	5147.53
			11/12/08	406.86	80	5147.61
			2/16/09	407.78	80	5146.69
			4/28/09	407.77	80	5146.70
			7/27/09	407.67	80	5146.80
			11/25/09	407.48	80	5146.99
			2/8/10	407.62	80	5146.85
			5/11/10	notes lost		
			8/25/10	407.74	80	5146.73
			11/1/10	423.21	64	5131.26
			11/23/10	419.19	68	5135.28
			11/30/10	418.97	68	5135.50
			2/14/11	415.42	72	5139.05
			5/23/11	412.99	74	5141.48
			8/23/11	411.89	75	5142.58
			10/12/11	411.39	76	5143.08

TABLE 1
WATER LEVEL MEASUREMENTS

Well	Top of Casing Elevation (ft amsl ¹)	Depth of Well ² (ft btoc ³)	Date	Depth to Water (ft btoc ³)	Water Column Height (ft)	Groundwater Elevation (ft amsl ¹)
MW-7	5624.93	428	8/2/08	337.68	90	5287.25
			11/12/08	335.71	92	5289.22
			2/16/09	335.38	92	5289.55
			4/28/09	335.87	92	5289.06
			7/27/09	335.82	92	5289.11
			11/25/09	338.64	89	5286.29
			2/8/10	338.82	89	5286.11
			5/10/10	339.52	88	5285.41
			8/25/10	341.12	87	5283.81
			11/1/10	340.91	87	5284.02
			11/23/10	341.04	87	5283.89
			11/30/10	341.03	87	5283.90
			2/14/11	341.23	87	5283.70
			5/23/11	342.11	86	5282.82
			8/23/11	341.28	87	5283.65
			10/12/11	342.86	85	5282.07
MW-8B	5530.19	425	8/2/08	381.43	43	5148.76
			11/12/08	381.52	43	5148.67
			2/16/09	381.61	43	5148.58
			4/28/09	381.46	43	5148.73
			7/27/09	381.51	43	5148.68
			11/25/09	381.42	43	5148.77
			2/8/10	381.39	43	5148.80
			5/10/10	381.31	43	5148.88
			8/27/10	381.28	43	5148.91
			11/1/10	dry	dry	dry
			11/23/10	420.89	4	5109.30
			11/30/10	420.68	4	5109.51
			2/14/11	421.31	3	5108.88
			5/23/11	381.55	43	5148.64
			8/23/11	381.52	43	5148.67
			10/12/11	381.95	43	5148.24
MW-9	5527.72	424	8/2/08	406.22	18	5121.50
			11/12/08	409.58	15	5118.14
			2/16/09	413.23	11	5114.49
			4/28/09	416.47	8	5111.25
			7/27/09	416.99	7	5110.73
			11/25/09	410.08	14	5117.64
			2/8/10	405.97	18	5121.75
			5/10/10	400.84	23	5126.88
			8/25/10	415.62	9	5112.10
			11/1/10	411.89	12	5115.83
			11/23/10	411.66	13	5116.06
			11/30/10	411.58	13	5116.14
			2/14/11	406.66	18	5121.06
			5/23/11	406.66	18	5121.06
			8/23/11	405.88	18	5121.84
			10/12/11	411.09	13	5116.63
PW-1	5570.66	382	8/2/08	280.70	101	5289.96
			11/12/08	280.07	102	5290.59
			2/16/09	280.13	102	5290.53
			4/28/09	280.69	101	5289.97
			7/27/09	280.21	102	5290.45
			11/27/09	283.54	98	5287.12
			2/8/10	284.04	98	5286.62
			5/10/10	284.84	97	5285.82
			8/25/10	285.54	96	5285.12
			11/23/10	286.19	96	5284.47
			11/30/10	286.27	96	5284.39
			2/14/11	286.63	95	5284.03
			5/23/11	287.38	94	5283.28
			8/23/11	286.54	95	5284.12
			10/12/11	Unable to get probe past ~200 ft below TOC		

TABLE 1
WATER LEVEL MESUREMENTS

Well	Top of Casing Elevation (ft amsl ¹)	Depth of Well ² (ft btoc ³)	Date	Depth to Water (ft btoc ³)	Water Column Height (ft)	Groundwater Elevation (ft amsl ¹)
PW-2	5622.46	422	8/2/08	331.22	90	5291.24
			11/12/08	332.35	89	5290.11
			2/16/09	331.98	90	5290.48
			4/28/09	332.43	89	5290.03
			7/27/09	332.13	90	5290.33
			11/25/09	333.91	88	5288.55
			2/8/10	334.43	87	5288.03
			5/10/10	336.27	85	5286.19
			8/25/10	337.05	85	5285.41
			11/23/10	337.59	84	5284.87
			11/30/10	337.61	84	5284.85
			2/14/11	337.98	84	5284.48
			5/23/11	Unable to get probe past ~200 ft below TOC		
			8/23/11	Unable to get probe past ~200 ft below TOC		
			10/12/11	338.63	83	5283.83
PW-3	5557.88	382	8/2/08	256.65	125	5301.23
			11/12/08	261.76	120	5296.12
			2/16/09	263.13	119	5294.75
			4/28/09	264.08	118	5293.80
			7/27/09	263.93	118	5293.95
			11/27/09	266.52	115	5291.36
			2/8/10	266.94	115	5290.94
			5/10/10	267.84	114	5290.04
			8/25/10	268.56	113	5289.32
			11/23/10	271.36	110	5286.52
			11/30/10	271.37	110	5286.51
			2/14/11	Unable to get probe past 202 ft below TOC		
			5/23/11	Unable to get probe past ~200 ft below TOC		
			8/23/11	Unable to get probe past ~200 ft below TOC		
			10/12/11	Unable to get probe past ~200 ft below TOC		
BLM Well	NM	NM	7/30/09	168.68	NM	NM
			10/22/09	168.69	NM	NM
			2/11/10	168.87	NM	NM
			5/13/10	notes lost		
			8/27/10	169.01	NM	NM
			11/24/10	168.89	NM	NM
			2/15/11	169.23	NM	NM
			5/31/11	168.72	NM	NM
			8/23/11	169.86	NM	NM
			10/13/11	169.94	NM	NM
Boren Well	NM	NM	8/2/09	28.06	NM	NM
			10/21/09	28.06	NM	NM
			3/18/10	33.72	NM	NM
			5/12/10	notes lost		
			8/26/10	31.45	NM	NM
			11/29/10	32.21	NM	NM
			2/15/11	33.42	NM	NM
			6/8/11	33.42	NM	NM
			8/23/11	34.07	NM	NM
			10/17/11	32.44	NM	NM

NOTES:

The depth-to-water reading for MW-5 in October 2007 is suspect.

NM - Not Measured

1) ft amsl: feet above mean sea level

2) For MW-1 through MW-4, well depths were measured with a weighted tape. For remaining wells, well depths are approximate and were estimated from well completion information and the measured height of the PVC casing above ground

3) ft btoc: feet below top of casing

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-5									
Sample Date		1/31/2008	4/30/2008	8/7/2008	11/14/2008	2/19/2009	4/30/2009	7/31/2009	5/11/2010	6/6/2011	Range
Field Parameters	Unit										
Temperature	°C	12.4	17.7	16.3	15.8	14.5	18.8	16.9	FL	17.2	12.4 - 18.8
pH	s.u.	10.25	7.54	7.50	7.87	7.96	7.82	7.84	FL	7.98	7.50 - 10.25
Conductivity	µS/cm	2,338	1,194	1,225	1,101	1,043	1,093	1,157	FL	1,160	1,043 - 2,338
Dissolved Oxygen	mg/L	6.02	2.06	5.93	5.76	6.82	12.18	7.35	FL	5.22	2.06 - 12.18
ORP	mV	NR	NR	203	150	86	72	106	FL	137	72 - 203
General Chemistry											
Alkalinity as CaCO ₃	mg/L	240	234	203	207	205	203	211	224	213	203 - 240
Carbonate as CaCO ₃	mg/L	NA	<2	5	<2	13	<2	<2	7	<2	<2 - 13
Bicarbonate as CaCO ₃	mg/L	240	234	203	207	192	203	211	217	213	192 - 240
Chloride	mg/L	21	22	33	24	24	21	21	23	25	21 - 33
Fluoride	mg/L	0.4	0.5	0.6	0.6	0.5	0.7	0.5	0.5	0.5	0.4 - 0.7
Ammonia as N	mg/L	0.08	0.23	0.06	0.10	<0.05	<0.05	<0.05	0.06	0.17	<0.05 - 0.23
Nitrate/Nitrite as N	mg/L	1.09	1.20	2.51	2.17	1.96	2.26	2.31	2.40	2.22	1.09 - 2.51
Silica	mg/L	17.7	17.4	17.5	14.4	16.1	14.2	15.4	15.3	14.9	14.2 - 17.7
Sulfate	mg/L	390	370	390	370	370	360	360	390	380	360 - 390
Sulfide as S	mg/L	0.04	<0.02	<0.02	<0.02	<0.08	<3	<0.2	<0.02	0.20	<0.02 - .20
TOC	mg/L	12	8	NA	NA	NA	NA	NA	NA	NA	8 - 12
TDS	mg/L	840	820	820	770	790	770	770	850	800	770 - 850
TSS	mg/L	120	780	NA	78	350	337	237	54	780	54 - 780
Dissolved Metals											
Aluminum	mg/L	0.23	<0.03	0.04	0.04	0.32	0.05	0.05	0.13	0.07	<0.03 - 0.32
Arsenic	mg/L	0.0015	0.0021	0.0025	0.0028	0.0027	0.0032	0.0017	0.0034	0.0034	0.0015 - 0.0034
Barium	mg/L	0.034	0.021	NA	NA	NA	NA	NA	NA	NA	0.021 - 0.034
Boron	mg/L	0.59	0.53	0.47	0.46	0.45	0.42	0.41	0.50	0.48	0.41 - 0.59
Cadmium	mg/L	0.0002	<0.0001	NA	NA	NA	NA	NA	NA	NA	<0.0001 - 0.0002
Calcium	mg/L	69.8	76.6	69.1	69.5	70.2	72.0	69.5	75.8	72.9	69.1 - 76.6
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01 - 0.01
Iron	mg/L	0.19	<0.02	<0.02	0.04	0.22	<0.02	0.06	0.05	0.03	<0.02 - 0.22
Lead	mg/L	0.0020	<0.0001	<0.0001	<0.0001	0.0006	<0.0001	0.0001	<0.0001	0.0007	<0.0001 - 0.0020
Magnesium	mg/L	54.5	61.2	60	57.4	58.7	59.3	58.4	54.9	61.7	54.5 - 61.7
Manganese	mg/L	0.042	0.012	0.028	0.025	0.053	0.015	0.021	0.090	0.287	0.012 - 0.287
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	0.03	0.03	0.02	0.01	<0.01	0.02	<0.01	0.02	0.02	<0.01 - 0.03
Nickel	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	17.6	18.1	19.0	16.9	16.9	16.3	16.8	17.8	17.7	16.3 - 19.0
Selenium	mg/L	0.0170	0.0358	0.0200	0.0231	0.0206	0.0231	0.0207	0.0169	0.0214	0.0169 - 0.0358
Sodium	mg/L	136	127	109	95.0	89.9	88.2	88.8	118	99.9	88.2 - 136
Uranium	mg/L	0.0760	0.0896	0.106	0.1100	0.1030	0.1070	0.0911	0.0975	0.1006	0.0760 - 0.1100
Vanadium	mg/L	0.007	0.006	0.012	0.009	0.013	0.008	0.007	0.013	0.012	0.006 - 0.013
Zinc	mg/L	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 - 0.02
Dissolved Radionuclides											
Gross Alpha	ρCi/L	50	65	49	49	41	44	56	58	49	41 - 65
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	<0.5
Gross Beta	ρCi/L	32	41	32	30	27	24	31	31	39	24 - 41
Radium 226	ρCi/L	0.53	0.33	0.42	<0.35	0.3	0.37	0.34	0.3	<0.37	0.3 - 0.53
Radium 228	ρCi/L	NA	NA	NA	NA	NA	NA	1.9	<1.2	<1.1	<1.2 - 1.9
Lead 210	ρCi/L	NA	NA	NA	NA	NA	NA	<4.1	<3.1	<11	<3.1 - <11
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	NA	<0.61	<0.62	<0.63	<0.61 - <0.63

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-6										
Sample Date		10/16/2007	1/29/2008	4/29/2008	8/7/2008	11/14/2008	2/18/2009	4/28/2009	7/28/2009	5/11/2010	5/26/2011	Range
Field Parameters	Unit											
Temperature	°C	17.9	18.0	18.8	19.0	18.8	17.9	18.7	19.6	FL	19.0	17.9 - 19.6
pH	s.u.	7.69	5.27	7.01	6.86	6.95	7.07	6.85	7.08	FL	6.88	5.27 - 7.69
Conductivity	µS/cm	3,170	5,319	3,140	3,430	3,290	3,510	3,290	3,270	FL	3,820	3,140 - 5,319
Dissolved Oxygen	mg/L	2.62	1.47	0.02	0.06	0.14	0.11	0.24	0.11	FL	0.96	0.02 - 2.62
ORP	mV	NR	-310	-373	-361	-331	-330	-355	-354	FL	-120	-373 - -310
General Chemistry												
Alkalinity as CaCO ₃	mg/L	392	394	386	387	397	399	388	406	404	386	386 - 406
Carbonate as CaCO ₃	mg/L	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1 - <2
Bicarbonate as CaCO ₃	mg/L	478	394	386	387	397	399	388	406	404	386	386 - 478
Chloride	mg/L	142	170	160	170	160	170	160	170	170	200	142 - 200
Fluoride	mg/L	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3 - 0.4
Ammonia as N	mg/L	1.01	0.8	0.95	1.05	1.06	0.91	1.01	0.98	0.97	1.01	0.8 - 1.06
Nitrate/Nitrite as N	mg/L	<0.1	<0.02	<0.02	0.06	<0.02	0.03	0.02	0.05	0.05	<0.02	<0.02 - <0.1
Silica	mg/L	10.3	10.7	10.7	11.4	9.8	10.0	9.5	10.7	10.0	9.9	9.5 - 11.4
Sulfate	mg/L	1,330	1,400	1,070	1,490	1,460	1,490	1,460	1,560	1,490	1,630	1,070 - 1,630
Sulfide as S	mg/L	NA	13.4	10.3	11.9	11.5	12.4	13.2	11.6	15.9	16.7	10.3 - 16.7
TOC	mg/L	<1	NA	12	NA	NA	NA	NA	NA	NA	NA	<1 - 12
TDS	mg/L	2,400	2,740	1,140	2,670	2,750	2,760	2,800	2,770	2,800	3,210	1,140 - 3,210
TSS	mg/L	13.3	<5	<5	NA	13	<5	<5	<5	<5	<5	<5 - 13.3
Dissolved Metals												
Aluminum	mg/L	<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.09	<0.06	<0.06 - <0.1
Arsenic	mg/L	<0.001	<0.001	0.0006	0.001	<0.01	0.002	<0.03	0.006	0.003	0.03	<0.001 - <0.03
Barium	mg/L	<0.1	NA	0.024	NA	NA	NA	NA	NA	NA	NA	0.024 - <0.1
Boron	mg/L	2.20	2.30	2.27	2.50	2.36	2.39	2.36	2.35	2.45	2.51	2.20 - 2.51
Cadmium	mg/L	<0.005	NA	0.0001	NA	NA	NA	NA	NA	NA	NA	0.0001 - <0.005
Calcium	mg/L	109	123	121	133	132	137	131	131	136	184	109 - 184
Cesium	mg/L	<0.1	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002 - <0.1
Chromium	mg/L	<0.005	NA	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.005 - <0.01
Copper	mg/L	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.01 - <0.02
Iron	mg/L	1.46	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<0.02	<0.04	<0.04	<0.02 - 1.46
Lead	mg/L	<0.001	<0.0004	<0.0001	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	0.036	<0.0001 - 0.036
Magnesium	mg/L	261	284	288	309	295	304	299	312	298	366	261 - 366
Manganese	mg/L	0.060	0.010	0.01	<0.01	0.020	<0.01	<0.01	0.015	0.02	0.01	0.009 - 0.06
Mercury	mg/L	<0.001	NA	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002 - <0.001
Molybdenum	mg/L	<0.1	<0.02	0.030	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 - <0.1
Nickel	mg/L	0.05	NA	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01 - 0.05
Potassium	mg/L	91.0	98.4	95.4	105	99.7	97.2	93.0	102	97.4	105	91.0 - 105
Selenium	mg/L	0.003	0.0274	0.1660	0.0321	0.236	0.0478	0.0413	0.217	0.1690	0.526	0.003 - 0.526
Sodium	mg/L	172	205	190	219	208	206	190	200	212	231	172 - 231
Uranium	mg/L	<0.0003	<0.0002	<0.0001	<0.003	<0.002	0.0003	<0.0002	<0.0002	<0.0002	<0.003	<0.0001 - <0.003
Vanadium	mg/L	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.01	<0.01 - 0.03
Zinc	mg/L	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.01 - <0.02
Dissolved Radionuclides												
Gross Alpha	ρCi/L	11.1	17.0	12	9.7	<7.3	12	<6.8	11	<8.2	12	<6.8 - 17.0
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	NA	NA	2.9	NA	2.9
Gross Beta	ρCi/L	92.8	140	91	110	99	96	81	93	100	110	81 - 140
Radium 226	ρCi/L	1.6	2.2	1.9	3.3	1.9	2.1	2	1.6	1.8	2.7	1.6 - 3.3
Radium 228	ρCi/L	NA	NA	NA	NA	NA	NA	NA	4.4	3.4	4.7	3.4 - 4.7
Lead 210	ρCi/L	NA	NA	NA	NA	NA	NA	NA	13	<3.5	<6.2	<3.5 - 13
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	NA	NA	<0.59	<0.61	0.7	<0.59 - 0.7

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-7								
Sample Date		6/7/2008	9/9/2008	11/13/2008	2/18/2009	4/29/2009	7/31/2009	5/11/2010	5/26/2011	Range
Field Parameters	Unit									
Temperature	°C	18.7	15.8	15.6	14.6	15.7	19.9	FL	15.7	14.6 - 19.9
pH	s.u.	8.02	7.84	7.58	7.58	7.43	7.56	FL	7.56	7.43 - 8.02
Conductivity	µS/cm	1,064	1,276	1,253	1,338	1,289	1,290	FL	1,292	1,064 - 1,338
Dissolved Oxygen	mg/L	2.15	3.97	3.80	4.77	5.59	3.42	FL	4.37	2.15 - 5.59
ORP	mV	28.8	161	138	88	62	169	FL	112	28.8 - 169
General Chemistry										
Alkalinity as CaCO ₃	mg/L	154	198	218	223	222	228	211	202	154 - 228
Carbonate as CaCO ₃	mg/L	<2	<2	<2	4	4	<2	3	<2	<2 - 4
Bicarbonate as CaCO ₃	mg/L	154	198	218	218	218	228	208	202	154 - 228
Chloride	mg/L	25	28	30	32	31	30	24	25	24 - 32
Fluoride	mg/L	0.7	0.6	0.6	0.5	0.5	0.5	0.3	0.4	0.3 - 0.7
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate/Nitrite as N	mg/L	0.61	0.85	0.72	0.77	0.75	0.69	1.18	1.04	0.61 - 1.18
Silica	mg/L	15.8	19.7	17.5	19.3	17.4	18.3	21.0	20.1	15.8 - 21.0
Sulfate	mg/L	460	460	460	480	470	460	470	500	460 - 500
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
TOC	mg/L	9	NA	NA	NA	NA	NA	NA	NA	9
TDS	mg/L	850	930	970	940	930	970	950	980	850 - 980
TSS	mg/L	<5	5	9	<5	<5	<5	<5	5	<5 - 9
Dissolved Metals										
Aluminum	mg/L	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.05
Arsenic	mg/L	0.0073	0.0046	0.0059	0.0062	<0.03	0.0054	0.0088	0.0073	0.0046 - <0.03
Barium	mg/L	0.016	NA	NA	NA	NA	NA	NA	NA	0.016
Boron	mg/L	0.21	0.31	0.31	0.36	0.34	0.33	0.38	0.39	0.21 - 0.39
Cadmium	mg/L	<0.0001	NA	NA	NA	NA	NA	NA	NA	<0.0001
Calcium	mg/L	92.6	101	100	103	104	101	101	103	92.6 - 104
Cesium	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	0.03	NA	NA	NA	NA	NA	NA	NA	0.03
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01 - 0.02
Iron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	mg/L	0.00010	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0008	<0.0001 - 0.00010
Magnesium	mg/L	61.0	75.0	72.9	77.0	76.0	76.0	77.6	86.2	61.0 - 86.2
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.010	<0.005-0.010
Mercury	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	0.03	0.01	0.01	<0.01	0.02	<0.01	0.01	0.03	<0.01 - 0.03
Nickel	mg/L	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	18.1	16.8	16.9	16.4	15.5	16.2	16.0	16.6	15.5 - 18.1
Selenium	mg/L	0.0273	0.0279	0.0309	0.0280	0.0270	0.0236	0.0256	0.024	0.0236 - 0.0309
Sodium	mg/L	79.2	82.7	82.2	83.1	80.2	81.3	79.1	76.0	79.1 - 83.1
Uranium	mg/L	0.0775	0.1030	0.1080	0.0986	0.0952	0.0970	0.0905	0.0896	0.0775 - 0.1080
Vanadium	mg/L	0.018	0.014	0.016	0.010	0.015	0.014	0.012	0.015	0.010 - 0.018
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Radionuclides										
Gross Alpha	ρCi/L	36	56	42	45	51	70	46	33	33 - 70
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	NA	<0.5
Gross Beta	ρCi/L	34	33	40	29	33	36	31	34	29 - 40
Radium 226	ρCi/L	<0.35	<0.25	<0.4	<0.28	<0.17	0.17	0.3	0.19	<0.17 - <0.4
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.3	0.94	<1.3 - <1.5
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<3	<3	<9.2	<3 - <9.2
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.59	<0.53	<0.6	<0.53 - <0.6

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-8B								MW-9
Sample Date		7/21/2008	11/13/2008	2/18/2009	4/29/2009	7/29/2009	6/24/2010	6/6/2011	Range	9/10/2008
Field Parameters	Unit									
Temperature	°C	18.4	15.3	14.6	16.0	17.4	14.8	16.7	14.6 - 18.4	17.6
pH	s.u.	6.36	6.83	6.83	6.70	6.83	6.82	7.72	6.36 - 7.72	8.23
Conductivity	µS/cm	3,060	3,000	2,810	2,940	3,020	2,890	2,420	2,420 - 3,060	993
Dissolved Oxygen	mg/L	6.10	0.29	0.25	0.70	0.11	0.18	4.02	0.11 - 6.10	2.12
ORP	mV	-122.8	-154	-199	-203	-189	-203	212	-415	154
General Chemistry										
Alkalinity as CaCO ₃	mg/L	426	436	389	449	474	469	451	389 - 474	243
Carbonate as CaCO ₃	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	11
Bicarbonate as CaCO ₃	mg/L	426	436	389	449	474	469	451	389 - 474	232
Chloride	mg/L	48	37	40	42	41	39	30	30 - 48	19
Fluoride	mg/L	0.7	0.6	0.5	0.6	0.5	0.7	0.6	0.5 - 0.7	1.0
Ammonia as N	mg/L	0.06	0.12	<0.05	0.09	0.05	0.18	0.11	<0.05 - 0.18	<0.5
Nitrate/Nitrite as N	mg/L	0.04	<0.02	0.03	0.04	<0.02	3.22	<0.02	<0.02 - 3.22	10.2
Silica	mg/L	11.7	17.3	18.5	20.2	16.9	16.6	15.7	11.7 - 20.2	11.8
Sulfate	mg/L	1,810	1,370	1,450	1,680	1,540	1,550	1,060	1,060 - 1,810	190
Sulfide as S	mg/L	1.9	0.61	0.19	0.05	0.44	<0.02	<0.02	<0.02 - 1.9	0.10
TOC	mg/L	29	NA	NA	NA	NA	NA	NA	29	18
TDS	mg/L	3,040	2,520	2,560	2,980	2,850	2,670	1,990	1,990 - 3,040	610
TSS	mg/L	833	18	<5	<5	<5	310	252	<5 - 833	168
Dissolved Metals										
Aluminum	mg/L	<0.06	<0.06	0.09	<0.03	<0.06	<0.03	<0.03	<0.03 - 0.09	0.07
Arsenic	mg/L	0.002	<0.01	0.003	0.007	0.007	0.006	0.0032	0.002 - <0.01	0.0111
Barium	mg/L	0.038	NA	NA	NA	NA	NA	NA	0.038	0.044
Boron	mg/L	0.36	0.48	0.52	0.47	0.46	0.53	0.51	0.36 - 0.53	2.63
Cadmium	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002	<0.0001
Calcium	mg/L	495	368	385	500	384	409	301	301 - 500	8.8
Cesium	mg/L	<0.0004	NA	NA	NA	NA	NA	NA	<0.0004	<0.0002
Chromium	mg/L	<0.02	NA	NA	NA	NA	NA	NA	<0.02	<0.01
Copper	mg/L	<0.02	<0.02	<0.02	<0.01	0.02	<0.01	<0.01	<0.01 - 0.02	<0.01
Iron	mg/L	0.12	0.91	<0.04	1.48	1.43	1.77	0.87	<0.04 - 1.77	0.03
Lead	mg/L	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	0.0010	0.0005	<0.0002 - <0.002	<0.0001
Magnesium	mg/L	230	217	228	254	218	257	221	217 - 257	4.8
Manganese	mg/L	0.33	1.43	0.81	0.937	1.15	0.802	0.407	0.33 - 1.43	0.019
Mercury	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002	<0.0002
Molybdenum	mg/L	0.04	<0.02	<0.02	<0.01	<0.02	0.02	<0.01	<0.01 - 0.04	0.06
Nickel	mg/L	<0.02	NA	NA	NA	NA	NA	NA	<0.02	<0.01
Potassium	mg/L	16.7	20.8	19.7	20.3	18.2	20.2	19.8	16.7 - 20.8	12.0
Selenium	mg/L	0.079	0.010	0.0007	0.0002	0.0004	<0.0002	0.0002	<0.0002 - 0.079	0.0017
Sodium	mg/L	34.1	29.7	29.4	32.8	29.8	31.0	24.8	24.8 - 34.1	202
Uranium	mg/L	0.0578	0.033	0.0861	0.0164	0.0143	0.0055	0.0024	0.0024 - 0.0861	0.0245
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.005	<0.01	<0.005	0.007	<0.005 - <0.01	0.025
Zinc	mg/L	<0.02	<0.02	<0.02	<0.01	0.02	<0.01	<0.01	<0.01 - 0.02	<0.01
Dissolved Radionuclides										
Gross Alpha	ρCi/L	42	23	7	11	15	12	<5.3	<5.3 - 42	26
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	<0.8	NA	<0.8	NA
Gross Beta	ρCi/L	23.0	24.0	23	20	22	37	14	14 - 37	20
Radium 226	ρCi/L	12.0	0.54	0.49	0.89	0.33	0.73	0.58	0.33 - 12.0	<0.45
Radium 228	ρCi/L	NA	NA	NA	NA	1.5	<1.5	<1.2	<1.2 - 1.5	NA
Lead 210	ρCi/L	NA	NA	NA	NA	5.4	<3	<8.4	<3 - <8.4	NA
Thorium 230	ρCi/L	NA	NA	NA	NA	<0.59	1.5	<0.6	<0.59 - 1.5	NA

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		PW-1								
Sample Date		8/12/2008	8/13/2008	11/14/2008	2/24/2009	4/30/2009	7/30/2009	6/3/2010	6/2/2011	Range
Field Parameters	Unit									
Temperature	°C	18.0	17.5	15.4	15.0	15.8	17.9	16.8	16.7	15.0 - 18.0
pH	s.u.	7.50	7.02	7.53	7.52	7.43	7.72	7.45	7.87	7.02 - 7.87
Conductivity	µS/cm	1,151	1,132	1,161	1,247	1,184	1,263	1,196	1,201	1,132 - 1,263
Dissolved Oxygen	mg/L	7.35	7.20	0.81	0.09	3.29	0.49	0.48	4.96	0.09 - 7.35
ORP	mV	31	142	-154	-144	-162	-151	-188	-48	-188 - 142
General Chemistry										
Alkalinity as CaCO ₃	mg/L	225	228	225	217	224	234	229	223	217 - 234
Carbonate as CaCO ₃	mg/L	<2	5	<2	<2	<2	<2	<2	<2	<2 - 5
Bicarbonate as CaCO ₃	mg/L	225	223	225	217	224	234	229	223	217 - 234
Chloride	mg/L	36	36	36	38	36	36	38	36	36 - 38
Fluoride	mg/L	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4 - 0.5
Ammonia as N	mg/L	<0.05	31.2	0.3	0.16	0.19	0.09	0.33	<0.05	<0.05 - 31.2
Nitrate/Nitrite as N	mg/L	1.80	1.47	0.36	0.37	0.42	0.51	0.57	1.39	0.36 - 1.80
Silica	mg/L	19.2	19.4	10.2	11.1	11.5	12.9	12.7	15.0	10.2 - 19.4
Sulfate	mg/L	380	360	380	380	410	380	390	370	360 - 410
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02
TOC	mg/L	10	9	NA	NA	NA	NA	NA	NA	9 - 10
TDS	mg/L	810	810	820	810	820	830	840	820	810 - 840
TSS	mg/L	<5	<5	106	24	18	25	38	10	<5 - 106
Dissolved Metals										
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Arsenic	mg/L	0.0169	0.0177	0.0009	0.0007	0.0009	0.0007	0.0007	0.0065	0.0007 - 0.0177
Barium	mg/L	0.013	0.027	NA	NA	NA	NA	NA	NA	0.013 - 0.027
Boron	mg/L	0.30	0.30	0.29	0.29	0.31	0.29	0.31	0.31	0.29 - 0.31
Cadmium	mg/L	<0.0001	<0.0001	NA	NA	NA	NA	NA	NA	<0.0001
Calcium	mg/L	69.1	66.7	68.9	68.4	71.4	66.6	69.6	69.3	66.6 - 71.4
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.02	0.02	2.88	3.42	4.04	2.39	4.30	0.06	0.02 - 4.30
Lead	mg/L	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	<0.0001 - 0.0002
Magnesium	mg/L	85.8	88.0	84.3	83.6	84.5	90.0	80.6	86.3	80.6 - 90.0
Manganese	mg/L	<0.005	<0.005	0.179	0.182	0.169	0.154	0.140	0.047	<0.005 - 0.182
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01 - 0.02
Nickel	mg/L	<0.01	0.01	NA	NA	NA	NA	NA	NA	<0.01 - 0.01
Potassium	mg/L	9.80	10.0	10.7	10.7	10.1	10.0	11.5	10.3	9.80 - 11.5
Selenium	mg/L	0.0181	0.0168	0.0089	0.0078	0.0081	0.0079	0.0065	0.0185	0.0065 - 0.0185
Sodium	mg/L	72.3	72.4	73.9	74.7	73.4	69.9	80.5	76.5	69.9 - 80.5
Uranium	mg/L	0.1070	0.0963	0.0250	0.0198	0.0253	0.0295	0.0236	0.0880	0.0198 - 0.1070
Vanadium	mg/L	0.035	0.041	<0.005	<0.005	<0.005	<0.005	<0.005	0.018	<0.005 - 0.041
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01 - 0.01
Dissolved Radionuclides										
Gross Alpha	ρCi/L	46	40	7.8	11	11	16	14	25	7.8 - 46
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	NA	<0.5
Gross Beta	ρCi/L	26	23	15	11	13	16	10	25	10 - 26
Radium 226	ρCi/L	<0.23	<0.25	<0.27	<0.22	<0.25	<0.3	<0.2	<0.24	<0.2 - <0.3
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.4	<0.94	<0.94 - <1.5
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<5	<2.8	14	<2.8 - 14
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.58	<0.56	<0.6	<0.56 - <0.6

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		PW-2								
Sample Date		8/8/2008	8/11/2008	11/13/2008	2/24/2009	4/29/2009	7/31/2009	6/3/2010	6/2/2011	Range
Field Parameters	Unit									
Temperature	°C	18.8	20.0	14.6	15.0	16.2	20.8	15.4	16.2	14.6 - 20.8
pH	s.u.	7.52	7.49	7.31	7.40	7.39	7.37	7.46	7.74	7.31 - 7.74
Conductivity	µS/cm	1,294	1,317	1,275	1,391	1,318	1,357	1,332	1,313	1,275 - 1,391
Dissolved Oxygen	mg/L	6.13	5.47	1.52	0.22	0.50	0.69	0.18	3.91	0.18 - 6.13
ORP	mV	100	90	-124	-210	-204	-183	-247	-51	-247 - 100
General Chemistry										
Alkalinity as CaCO ₃	mg/L	249	241	246	214	222	215	182	230	182 - 249
Carbonate as CaCO ₃	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate as CaCO ₃	mg/L	249	241	246	214	222	215	182	230	182 - 249
Chloride	mg/L	38	36	34	38	39	42	32	30	30 - 42
Fluoride	mg/L	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4 - 0.5
Ammonia as N	mg/L	<0.05	<0.3	0.05	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05 - <0.3
Nitrate/Nitrite as N	mg/L	0.66	0.66	0.29	0.03	0.15	<0.02	0.08	0.54	<0.02 - 0.66
Silica	mg/L	16.7	15.2	12.8	11.2	11.8	9.7	8.4	14.2	8.4 - 16.7
Sulfate	mg/L	430	430	440	430	450	440	460	450	430 - 460
Sulfide as S	mg/L	<0.02	0.03	<0.02	0.11	<0.1	<0.2	<0.02	<0.02	<0.02 - <0.2
TOC	mg/L	8	11	NA	NA	NA	NA	NA	NA	8 - 11
TDS	mg/L	940	930	920	910	940	940	960	920	910 - 960
TSS	mg/L	38	43	55	66	49	93	61	<5	<5 - 93
Dissolved Metals										
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Arsenic	mg/L	0.0034	0.0024	0.0007	<0.0005	0.0010	<0.0005	<0.0005	0.0021	<0.0005 - 0.0034
Barium	mg/L	0.013	0.009	NA	NA	NA	NA	NA	NA	0.009 - 0.013
Boron	mg/L	0.47	0.48	0.47	0.47	0.51	0.48	0.41	0.45	0.41 - 0.51
Cadmium	mg/L	<0.0001	<0.0001	NA	NA	NA	NA	NA	NA	<0.0001
Calcium	mg/L	91.4	90.3	88.4	82.5	91.6	83.5	83.9	93.1	82.5 - 93.1
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.12	0.12	4.15	21.20	16.30	24.30	27.30	0.26	0.12 - 27.30
Lead	mg/L	0.0020	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	0.0004	<0.0001 - 0.0020
Magnesium	mg/L	65.6	69.9	71.1	65.6	71.8	66.2	67.0	74.4	65.6 - 74.4
Manganese	mg/L	0.009	0.012	0.101	0.227	0.198	0.284	0.289	0.021	0.009 - 0.289
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	0.02	0.01	<0.01	<0.01	0.02	<0.01	0.01	0.03	<0.01 - 0.03
Nickel	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	17.4	18.3	18.1	17.1	18.0	17.0	14.9	17.4	14.9 - 18.3
Selenium	mg/L	0.0167	0.0171	0.0126	0.0024	0.0053	0.0008	0.0016	0.0209	0.0008 - 0.0209
Sodium	mg/L	102	102	102	102	102	102	89.8	98.9	89.8 - 102
Uranium	mg/L	0.0605	0.0638	0.0452	0.0078	0.0204	0.0033	0.0069	0.0713	0.0033 - 0.0713
Vanadium	mg/L	0.010	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	0.012	<0.005 - 0.012
Zinc	mg/L	0.06	0.02	<0.01	<0.01	<0.1	<0.01	0.03	<0.01	<0.01 - <0.1
Dissolved Radionuclides										
Gross Alpha	ρCi/L	31	27	18	<3	21	2.4	4.9	33	2.4 - 33
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	NA	<0.5
Gross Beta	ρCi/L	29	25	21	18	21	8	14	30	30-Aug
Radium 226	ρCi/L	<0.27	<0.16	<0.3	<0.19	<0.25	0.47	<0.17	0.21	<0.16 - 0.47
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.3	<1.1	<1.1 - <1.5
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<4.2	<3.2	<12	<3.2 - <12
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.72	<0.8	<0.66	<0.66 - <0.8

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		PW-3								
Sample Date		8/6/2008	8/7/2008	11/13/2008	2/26/2009	4/30/2009	7/31/2009	6/3/2010	6/2/2011	Range
Field Parameters	Unit									
Temperature	°C	15.7	16.0	13.7	14.7	15.1	18.1	15.7	15.8	13.7 - 18.1
pH	s.u.	7.59	7.56	7.58	7.66	7.42	7.83	7.54	7.73	7.42 - 7.83
Conductivity	µS/cm	1,256	1,245	1,218	1,306	1,240	1,299	1,208	1,260	1,208 - 1,306
Dissolved Oxygen	mg/L	7.68	7.70	7.18	7.39	10.33	4.78	7.63	6.49	4.78 - 10.33
ORP	mV	61	105	95	34	-20	-55	-88	-38	-143
General Chemistry										
Alkalinity as CaCO ₃	mg/L	243	241	252	242	252	262	263	248	241 - 263
Carbonate as CaCO ₃	mg/L	3	<2	<2	<2	<2	<2	<2	<2	<2 - 3
Bicarbonate as CaCO ₃	mg/L	240	241	252	242	252	262	263	248	240 - 263
Chloride	mg/L	35	35	35	37	36	35	36	37	35 - 37
Fluoride	mg/L	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4 - 0.5
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate/Nitrite as N	mg/L	0.98	1.04	1.14	0.77	0.68	0.67	0.89	0.66	0.66 - 1.14
Silica	mg/L	18.7	18.9	15.2	15.6	15.3	15.6	15.2	15.3	15.2 - 18.9
Sulfate	mg/L	380	380	380	390	390	380	390	370	370 - 390
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
TOC	mg/L	7	7	NA	NA	NA	NA	NA	NA	7
TDS	mg/L	830	840	860	850	860	870	870	870	830 - 870
TSS	mg/L	<5	<5	10	<5	<5	14	<5	12	<5 - 14
Dissolved Metals										
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Arsenic	mg/L	0.0135	0.0138	0.0118	0.0120	0.0118	0.0078	0.0090	0.0066	0.0066 - 0.0138
Barium	mg/L	0.032	0.032	NA	NA	NA	NA	NA	NA	0.032
Boron	mg/L	0.39	0.37	0.42	0.43	0.43	0.41	0.44	0.43	0.37 - 0.44
Cadmium	mg/L	0.0001	<0.0001	NA	NA	NA	NA	NA	NA	<0.0001 - 0.0001
Calcium	mg/L	67.0	66.9	72.7	73.7	76.3	74	71.9	73.3	66.9 - 76.3
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.02	0.02	0.06	<0.02	0.04	0.25	0.04	0.02	<0.02 - 0.25
Lead	mg/L	0.0002	<0.0001	<0.0001	<0.0001	0.0010	<0.0001	<0.0001	<0.0001	<0.0001 - 0.0010
Magnesium	mg/L	80.6	82.4	70.0	71.7	72.7	72.2	68.5	75.0	68.5 - 82.4
Manganese	mg/L	<0.005	<0.005	0.008	<0.005	<0.005	0.021	<0.005	0.009	<0.005 - 0.021
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	<0.01	<0.01	0.01	<0.01	0.02	<0.01	0.03	0.04	<0.01 - 0.04
Nickel	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	12.7	12.3	14.3	14.3	14.3	14.6	13.9	13.8	12.3 - 14.6
Selenium	mg/L	0.0208	0.0203	0.0215	0.0209	0.0196	0.0176	0.0150	0.0183	0.0150 - 0.0215
Sodium	mg/L	100	98.9	102	101	101	102	104	104	98.9 - 104
Uranium	mg/L	0.0826	0.0837	0.0797	0.0731	0.0771	0.0665	0.0735	0.0781	0.0665 - 0.0837
Vanadium	mg/L	0.014	0.021	0.020	0.024	0.019	0.014	0.017	0.017	0.014 - 0.024
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Radionuclides										
Gross Alpha	ρCi/L	40	35	32	33	23	25	27	27	23 - 40
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	NA	<0.5
Gross Beta	ρCi/L	27	26	29	19	20	27	20	32	19 - 32
Radium 226	ρCi/L	0.26	<0.20	<0.35	0.23	0.48	0.25	<0.22	0.18	0.18 - 0.48
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.3	<0.95	<1.3 - <1.5
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<4.6	<3	<11	<3 - <11
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.54	<0.58	<0.7	<0.54 - <0.7

TABLE 2B
OFF-SITE GROUNDWATER ANALYTICAL RESULTS

Well ID		Hurdle Well			Davis Well			BLM Well		
Sample Date		4/22/2008	5/13/2010	5/31/2011	7/29/2009	6/23/2010	5/31/2011	7/30/2009	5/13/2010	5/31/2011
Field Parameters	Unit									
Temperature	°C	21	FL	16.9	18.8	16.2	16.8	18.4	FL	16.6
pH	s.u.	7.9	FL	7.42	7.72	7.51	7.59	7.42	FL	7.44
Conductivity	µS/cm	1240	FL	1240	885	843	844	1444	FL	1410
Dissolved Oxygen	mg/L	6.90	FL	5.03	0.72	0.73	0.71	2.54	FL	2.88
ORP	mV	108	FL	-39	76	60	46	-68	FL	-36
General Chemistry										
Alkalinity as CaCO ₃	mg/L	198	209	195	264	257	240	235	229	213
Carbonate as CaCO ₃	mg/L	<2	<2	<2	5	9	<2	<2	<2	<2
Bicarbonate as CaCO ₃	mg/L	198	209	195	258	248	240	235	229	213
Chloride	mg/L	35	37	38	16	17	18	21	22	22
Fluoride	mg/L	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.5
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate/Nitrite as N	mg/L	15.4	30.8	29.6	18.2	21.5	24.9	17.2	19.7	18.7
Silica	mg/L	16.0	13.6	13.8	12.0	10.9	11.1	15.4	14.9	15.1
Sulfate	mg/L	310	310	290	90	100	100	440	500	470
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
TOC	mg/L	3	3	12	4	7	1	3	3	17
TDS	mg/L	810	870	850	530	560	530	1020	1100	1000
TSS	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Metals										
Aluminum	mg/L	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	0.07	<0.03
Arsenic	mg/L	0.0032	0.0074	0.0026	0.0056	0.0044	0.0022	0.0029	0.0066	0.0034
Barium	mg/L	0.015	0.016	0.012	0.032	0.032	0.028	0.017	0.016	0.012
Boron	mg/L	0.15	0.19	0.18	0.83	0.81	0.68	0.22	0.27	0.24
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	82.6	79.4	80.0	40.0	42.1	43.6	112	114	119
Cesium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	mg/L	0.02	0.03	0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
Iron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	mg/L	0.0006	0.0009	0.0007	0.0002	0.0003	0.0009	<0.0001	0.0002	0.0003
Magnesium	mg/L	85.2	78.2	82.9	45.2	45.5	48.1	91.1	91.8	101
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum	mg/L	0.01	<0.01	0.01	0.03	0.04	0.04	<0.01	<0.01	0.02
Nickel	mg/L	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01
Potassium	mg/L	11.2	11.0	10.6	26.2	24.9	22.8	13.8	15.3	14.6
Selenium	mg/L	0.0484	0.0455	0.0464	0.0474	0.0436	0.0382	0.0561	0.0605	0.0547
Sodium	mg/L	66.9	68.0	63.6	58.4	61.9	56.4	66.9	77.8	69.2
Uranium	mg/L	0.0256	0.0251	0.0274	0.0352	0.0326	0.0309	0.0389	0.0439	0.0408
Vanadium	mg/L	<0.005	0.006	0.005	0.007	0.007	<0.005	0.010	0.021	0.016
Zinc	mg/L	0.03	0.21	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Radionuclides										
Gross Alpha	ρCi/L	17	16	16	15	22	19	16	22	26
Gross Alpha - U/Rn	ρCi/L	NA	<0.5	NA	NA	<0.8	NA	NA	<0.5	NA
Gross Beta	ρCi/L	19	14	19	30	31	27	21	15	24
Radium 226	ρCi/L	0.08	<0.3	<0.25	0.33	0.32	0.66	0.47	0.36	0.43
Radium 228	ρCi/L	NA	<1.3	<1.1	1.6	<1.3	<0.96	<1.5	<1.3	<0.96
Lead 210	ρCi/L	NA	<2.8	<13	<4.8	<2.7	<11	<4.3	3.6	<8.7
Thorium 230	ρCi/L	NA	<0.64	<0.59	<0.64	2.2	<0.58	<0.64	<0.65	<0.65

TABLE 2B
OFF-SITE GROUNDWATER ANALYTICAL RESULTS

Well ID		Boren Well			Stone Spring					
Sample Date		7/31/2009	5/12/2010	6/8/2011	8/2/2009	10/21/2009	5/12/2010	11/29/2010	6/8/2011	10/17/2011
Field Parameters	Unit									
Temperature	°C	20.1	FL	15.3	21.1	18.7	FL	14.6	15.6	15.7
pH	s.u.	7.50	FL	7.93	7.59	7.44	FL	7.48	7.78	7.60
Conductivity	µS/cm	1441	FL	1249	1093	1082	FL	964	971	986
Dissolved Oxygen	mg/L	4.82	FL	3.38	4.52	3.92	FL	4.62	5.17	4.87
ORP	mV	152	FL	218	146	136	FL	157	157	198
General Chemistry										
Alkalinity as CaCO ₃	mg/L	422	409	371	271	274	246	231	230	234
Carbonate as CaCO ₃	mg/L	<2	10	<2	<2	<2	8	6	<2	5
Bicarbonate as CaCO ₃	mg/L	422	399	371	271	274	238	225	230	229
Chloride	mg/L	87	80	98	59	62	59	57	58	58
Fluoride	mg/L	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate/Nitrite as N	mg/L	7.58	8.08	7.68	1.71	2.22	0.83	0.82	0.72	0.83
Silica	mg/L	16.1	15.9	15.2	14.3	15.2	14.1	13.8	13.4	14.3
Sulfate	mg/L	220	200	230	200	210	200	200	210	200
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.2	<0.2	<0.02
TOC	mg/L	6	7	22	4	17	4	3	11	6.6
TDS	mg/L	910	820	860	630	640	610	590	590	610
TSS	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Metals										
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03
Arsenic	mg/L	0.0112	0.0149	0.0120	0.0089	0.0083	0.0112	0.0099	0.0091	0.0083
Barium	mg/L	0.059	0.060	0.062	0.028	0.027	0.024	0.021	0.023	0.021
Boron	mg/L	0.39	0.41	0.39	0.37	0.33	0.35	0.35	0.34	0.36
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	64.1	59.9	65.2	52.8	51.4	50.8	51.3	51.4	49.7
Cesium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	mg/L	<0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Iron	mg/L	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	0.04	<0.02	<0.02
Lead	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0001
Magnesium	mg/L	112	101	116	58.5	56.3	49.6	49.7	51.4	50.4
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum	mg/L	<0.01	0.01	0.02	0.02	0.02	0.03	0.02	0.04	0.03
Nickel	mg/L	<0.01	0.05	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01
Potassium	mg/L	18.0	17.2	17.5	16.1	15.7	16.3	17.1	15.8	15.8
Selenium	mg/L	0.0181	0.0160	0.0184	0.0218	0.0223	0.0214	0.0223	0.0225	0.0230
Sodium	mg/L	72.4	74.4	72.5	79.7	15.2	85.0	85.4	80.8	81.2
Uranium	mg/L	0.0416	0.0447	0.0467	0.0510	0.0527	0.0577	0.0567	0.0589	0.0619
Vanadium	mg/L	0.020	0.030	0.028	0.018	<0.005	0.024	0.010	0.026	0.017
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Dissolved Radionuclides										
Gross Alpha	ρCi/L	16	21	19	17	18	27	35	26	23
Gross Alpha - U/Rn	ρCi/L	NA	<0.5	NA	NA	NA	<0.5	NA	NA	NA
Gross Beta	ρCi/L	25	25	25	25	26	20	30	27	25
Radium 226	ρCi/L	0.13	<0.22	0.14	0.07	0.2	<0.27	<0.25	<0.17	0.33
Radium 228	ρCi/L	2	<1.3	<1.1	<1.4	1.6	<1.3	<0.94	<0.96	<0.95
Lead 210	ρCi/L	<4.9	<3.1	<8	<3.5	<4	<3.2	<5.5	<6.7	<3.4
Thorium 230	ρCi/L	<0.55	<0.63	<0.57	<0.59	<0.78	<0.58	<0.63	<0.58	<0.62

TABLE 2C
QUALITY CONTROL ANALYTICAL RESULTS

Well Number		DUP-1 (MW-6)	DUP1-72108 (MW-8B)	DUP091008 (MW-9)	DUP-111408 (PW-1)	MW-7 DUP (MW-7)	MW-5 DUP (MW-5)	DUP022409 (PW-2)	DUP1-0409 (MW-6)	DUP2-0409 (PW-3)	DUPLICATE (MW-8B)	DUPLICATE (PW-1)	DUP051210 (Boren Well)	DUP060310 (PW-3)	DUPLICATE (MW-8B)	DUP052611 (MW-6)	DUPLICATE (BLM Well)	Equipment Rinsate - Sample Pump	Equipment Rinsate - Sample Pump
Sample Date		4/29/2008	7/21/2008	9/10/2008	11/14/2008	2/18/2009	2/19/2009	2/24/2009	4/28/2009	4/30/2009	7/29/2009	7/30/2009	5/12/2010	6/3/2010	6/24/2010	5/26/2011	5/31/2011	10/16/2007	7/22/2008
Field Parameters	Unit																		
Temperature	°C	18.8	18.4	17.6	15.4	14.6	14.5	15.1	18.7	15.1	17.4	17.9	FL	15.7	14.8	19.0	16.6	NA	NA
pH	s.u.	7.01	6.36	8.23	7.53	7.52	7.96	7.41	6.85	7.47	6.83	7.72	FL	7.54	6.82	6.88	7.44	NA	NA
Conductivity	µS/cm	3,140	3,060	993	1,161	1,338	1,043	1,391	3,290	1,243	3,020	1,263	FL	1,208	2,890	3,820	1410	NA	NA
Dissolved Oxygen	mg/L	0.02	6.10	2.12	0.81	4.78	6.82	0.24	0.24	10.33	0.11	0.49	FL	7.63	0.18	0.96	2.88	NA	NA
ORP	mV	-373	-122.8	154	-154	88	86	-209	-355	-20	-189	-151	FL	-88	-203	-120	-36	NA	NA
General Chemistry																			
Alkalinity as CaCO ₃	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate as CaCO ₃	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate as CaCO ₃	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia as N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate/Nitrite as N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silica	mg/L	11.5	11.6	12.0	10.4	19.2	18.6	11.3	9.9	15.2	12.4	19.0	16.0	15.3	16.6	9.7	15.0	NA	0.5
Sulfate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide as S	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals																			
Aluminum	mg/L	<0.03	<0.03	0.08	<0.03	0.03	0.95	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NA	<0.03
Arsenic	mg/L	<0.0005	0.002	0.0110	0.0008	0.0062	0.0028	<0.0005	<0.03	0.0124	0.0005	0.0067	0.0147	0.0095	0.0059	0.02	0.0033	NA	<0.0005
Barium	mg/L	0.025	0.040	0.046	0.006	0.013	0.065	0.006	0.021	0.009	0.008	0.024	0.061	0.013	0.036	0.018	0.012	NA	<0.03
Boron	mg/L	2.39	0.37	2.65	0.30	0.36	0.44	0.47	2.48	0.43	0.32	0.50	0.41	0.44	0.53	2.41	0.24	NA	<0.01
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.003	<0.0001	NA	<0.0001
Calcium	mg/L	129	515	8.9	68.3	103.0	70.3	83.3	139	75.8	69.1	403	60.1	72.2	407	183	117	NA	0.7
Cesium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	<0.0002	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Iron	mg/L	<0.02	0.13	0.03	2.09	<0.02	0.80	21.40	<0.02	0.03	2.80	1.49	<0.02	0.02	1.76	<0.02	<0.02	NA	0.03
Lead	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0020	<0.0002	<0.0001	0.0014	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.032	0.0003	NA	<0.0005
Magnesium	mg/L	314	237	4.8	83.5	76.7	58.4	65.9	327	72.6	81.2	227.0	100	69.2	254	378	99.4	NA	<0.2
Manganese	mg/L	0.012	0.34	0.042	0.160	<0.005	0.172	0.227	<0.005	<0.005	0.150	1.040	<0.005	<0.005	0.807	0.019	<0.005	NA	<0.005
Mercury	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002
Molybdenum	mg/L	0.02	0.01	0.06	<0.01	<0.01	<0.01	<0.01	0.01	0.02	<0.01	0.01	<0.01	0.02	0.01	0.01	0.02	NA	<0.01
Nickel	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Potassium	mg/L	107	17.0	12.2	10.4	16.5	16.8	17.1	98.9	15.3	10.7	19.2	16.8	13.9	19.9	105	14.4	NA	<0.03
Selenium	mg/L	0.1440	0.081	0.0018	0.0097	0.0256	0.0207	0.0025	0.0288	0.0195	0.0078	0.0006	0.0162	0.0152	0.0002	0.420	0.0569	NA	<0.001
Sodium	mg/L	209	34.7	202	73.2	83.5	89.5	103	196	100	73.7	28.8	77.2	104	30.9	224	68.5	NA	<0.3
Uranium	mg/L	<0.0001	0.0589	0.0249	0.0286	0.0987	0.1020	0.0078	<0.0001	0.0759	0.0305	0.0158	0.0448	0.0730	0.0057	<0.003	0.0404	NA	<0.0001
Vanadium	mg/L	<0.005	<0.005	0.027	<0.005	<0.005	0.015	<0.005	<0.005	0.020	<.005	<0.005	0.028	0.020	<0.005	0.008	0.014	NA	<0.005
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Dissolved Radionuclides																			
Gross Alpha	pCi/L	NA	54	20	7.2	40	42	5.4	<8.6	30	12	16	32	31	19	<9.6	27	1	NA
Gross Alpha - U/Rn	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA
Gross Beta	pCi/L	NA	8.5	31	11	31	36	15	110	26	15	26	22	21	48	110	24	<2.0	NA
Radium 226	pCi/L	NA	7.8	0.18	-0.07	6.3	0.25	<0.22	1.7	0.35	0.09	0.55	0.21	<0.24	0.88	3.3	0.35	<0.2	NA
Radium 228	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	<1.5	<1.3	<1.3	<1.3	3.8	<1.2	NA	NA
Lead 210	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	<3.8	<2.7	<2.6	<3.6	<6.5	<9.7	NA	NA
Thorium 230	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.53	<0.58	<0.58	<0.61	1.1	<0.6	<0.6	NA	NA

TABLE 3
GROUNDWATER DATA COMPLETENESS

Quarter	Monitoring Wells					Production Wells		
	MW-5	MW-6	MW-7	MW-8	MW-9	PW-1	PW-2	PW-3
4 th Qtr 2007	NS	95.3%	NS	NS	NS	NS	NS	NS
1 st Qtr 2008	95.3%	100%	NS	NS	NS	NS	NS	NS
2 nd Qtr 2008	97.7%	100%	100%	NS	NS	NS	NS	NS
3 rd Qtr 2008	97.2%	97.2%	100%	100%	100%	100%	100%	100%
4 th Qtr 2008	100%	100%	100%	100%	NS	100%	100%	100%
1 st Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
2 nd Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
3 rd Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
2 nd Qtr 2010	87.5%	87.5%	87.5%	100%	NS	100%	100%	100%
2 nd Qtr 2011	100%	100%	100%	100%	NS	100%	100%	100%
Overall	97.5%	98.0%	98.4%	100%	100%	100%	100%	100%

Quarter	Hurdle Well	Davis Well	BLM Well	Boren Well	Stone Spring
2 nd Qtr 2008	100%	NS	NS	NS	NS
3 rd Qtr 2009	NS	100%	100%	100%	100%
4 th Qtr 2009	NS	NS	NS	NS	100%
2 nd Qtr 2010	89.4%	100%	89.4%	89.4%	89.4%
4 th Qtr 2010	NS	NS	NS	NS	100%
2 nd Qtr 2011	100%	100%	100%	100%	100%
4 th Qtr 2011	NS	NS	NS	NS	100%
Overall	96.5%	100%	96.5%	96.5%	98.2%

ATTACHMENT A

2011 Monitoring Field Sheets

First Quarter 2011



**ENERGY FUELS RESOURCES
CORPORATION**

WATER LEVEL MEASUREMENT FORM

Personnel: Jess W Fulbright
Project: Piñon Ridge Mill Site

Page 1 of 1

Well ID	Date	Time	Casing Stick-up (ft ags)	Static Water Level (ft BTOC)	Total Depth (ft BTOC)	Casing Volume (gal)	Security		Comments
							Cap (Y/N)	Lock (Y/N)	
MW-1	02/14/11	1005 MST	2.0	Dry	32.49	NA	Yes	Yes	Measurement only, dry
MW-2	02/14/11	0954 MST	2.2	Dry	27.42	NA	Yes	Yes	Measurement only, dry
MW-3	02/14/11	1019 MST	2.4	102.65	102.65	N/A	Yes	Yes	Measurement only, mud at bottom
MW-4	02/14/11	1253 MST	2.2	Dry	67.67	NA	Yes	Yes	Measurement only, dry
MW-5	02/14/11	1140 MST	2.4	281.39	301	12.75	Yes	Yes	Measurement only
MW-6	02/14/11	1228 MST	2.8	415.42	484.49	44.90	Yes	Yes	Measurement only
MW-7	02/14/11	1155 MST	2.8	341.23	425	54.45	Yes	Yes	Measurement only
MW-8	02/14/11	1244 MST	2.6	421.31	421.93	0.40	Yes	Yes	Measurement only, see note below
MW-9	02/14/11	1322 MST	2.3	406.66	424.5	11.60	Yes	Yes	Measurement only
PW-1	02/14/11	1128 MST	1.8	286.63	380	60.7	Yes	No	Measurement only
PW-2	02/14/11	1210 MST	1.7	337.98	420	53.31	Yes	No	Measurement only
PW-3	02/14/11	1029 MST	1.7	See note	380	-	Yes	No	Measurement only, see note below

Notes: MW-8: It is very difficult to tell if there is any water at all in the well, the sensor may just be picking up mud near the bottom.
PW-3: The probe hangs up at 202 feet, many attempts failed to get the probe past this depth. Measured down the discharge pipe just as a check, water level in the discharge pipe is at 237.43'.

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

Well No.		Purge Equipment		Analytical Equipment		Sampler's Initials		Time		Date	
Davis Well		Disposale Bailer Bladder Pump Grundfos Pump		pH meter (temp): X WTW 3400i Other:		JWF/RPO		1335 MST		2/15/11	
Casing Diameter (in.)		X Other:		Comments:		Meter Calibration					
4"		Pre-installed Pump				Time: 0714met Date: 2/15/2011 Auto. Calibrations? Yes					
Total Well Depth (ft.)		Comments:		Cond. Meter (temp): X WTW 3400i Other:		pH pH std. # 1 = 7.00 at 24.8 °C Calibration Evaluation pH std. # 2 = 10.00 at 24.8 °C 0 Bars Slope = -56.2 mV/pH Asymetry = -19 mV					
Static Water Level (ft.)		Sample Equipment Disposale Bailer Bladder Pump Grundfos Pump		DO Meter: X WTW 3400i Other:		Specific Conductance Cell Constant = 0.458 1/cm Calibration Evaluation 3 Bars					
See Note Below		X Other:		Comments:		Dissolved Oxygen Relative Slope = 0.72 at 25.1 °C Calibration Evaluation 2 Bars					
Water Thickness (ft.)		Pre-installed Pump		ORP Meter: X WTW 3400i Other:		Oxygen-Reduction Potential Conductance Standard: RH28 @ 24.9 °C Reads: 220 mV					
Casing Volume (gal.)		Comments:		Comments:		Casing Volume multipliers (gal/ft.): 2"= (.15) 3"= (.37) 4"= (.65) 6"= (1.5)					
Stick-up		Filtration Equipment: N/A micron filter		Turbidity Meter: WTW Other:							
Screen Int. (ft.)		Water Level Meter: X Keck Other:		Comments:							
Purge Containerized: Yes No		Comments:		Comments:							
Destination:											
Time	Volume Removed (casings) (gal)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description		
1235								7.69	Started Purge 7.69 gpm		
1240	38.5										
1245	76.9										
1250	115.4										
1255	153.8										
1300	192.3								shut off, hooked up block		
1305	192.3	13.8	7.57	822	0.48	43		6.98	restart, flow 6.98 gpm		
1310	227.2	13.5	7.56	823	0.45	43					
1315	262.1	13.3	7.51	823	0.44	43					
1320	297.0	13.3	7.50	821	0.43	43					
1325	331.9	13.2	7.50	821	0.45	43					
1330	366.8	13.2	7.50	821	0.45	42					
1335	401.7	13.2	7.50	821	0.45	43					
Note: Not able to get depth probe in well but owner states 158'. Parameters and flow only no samples were taken. No frozen and broken piping for a change.											
Condition of Sampler: Very good.						Full Suite: / No		Pump Depth:		# BTOC	
						Davis Well		Duplicate \ No		#	
						Partial Suite: / No		Rinsate \ No		#	
						#		Trip Blank \ No		#	
Additional Comments: Post sampling calibration @ 1730 MST. Parameters and flow rate only, no samples taken.						PPE Utilized		Gloves	X		
								Safety Glasses	X		
						Signature: [Signature]					



GROUNDWATER SAMPLING FIELD DATA SHEET

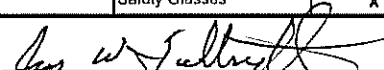
Well No.		Purge Equipment		Analytical Equipment		Sampler's Initials		Time		Date	
BLM Well		☐ Disposable Bailer ☐ Bladder Pump ☐ Grundfos Pump		pH meter (temp): ☒ WTW 3400i Other:		JWF/RPO		1010 MST		2/15/11	
Casing Diameter (In.)		☒ Other:		Comments:		Meter Calibration Time: 0714mat Date: 2/15/2011 Automatic Calibrations? Yes pH ☒ Cond. ☒ D.O. ☒					
6"		Pre-installed Pump		Cond. Meter (temp): ☒ WTW 3400i Other:		pH pH std. # 1 = 7.00 at 24.8 °C Calibration Evaluation pH std. # 2 = 10.00 at 24.8 °C 0 Bars Slope = -56.2 mV/pH Asymmetry = -19 mV					
Total Well Depth (ft.)		Comments:		DO Meter: ☒ WTW 3400i Other:		Specific Conductance Cell Constant = 0.458 1/cm Calibration Evaluation 3 Bars					
Static Water Level (ft.)		☒ Disposable Bailer ☐ Bladder Pump ☐ Grundfos Pump		Comments:		Dissolved Oxygen Relative Slope = 0.72 at 25.1 °C Calibration Evaluation 2 Bars					
169.23		Pre-installed Pump		ORP Meter: ☒ WTW 3400i Other:		Oxygen-Reduction Potential Conductance Standard: RH28 @ 24.9 °C Reads: 220 mV					
Casing Volume (gal.)		Filtration Equipment: ☒ micron filter		Comments:		Casing Volume multipliers (gal/ft): 2"= (.16) 3"= (.37) 4"= (.65) 6"= (1.5)					
Stick-up	Screen Int.	Water Level Meter: ☒ Keck Other:		Turbidity Meter: WTW Other:							
1.25		Comments:		Comments:							
Purge Containerized: Yes No		Destination:		Comments:							
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description		
910							169.23	16.67	Started purge 16.67 gpm		
915	83.4						170.82		no flow restriction, pipe open		
920	166.7						170.88				
925	250.1						170.92				
930	333.4						171.10				
935	416.8						169.41		pump off, hooked up block		
940	416.8	16.3	8.98	1280	2.12	70	170.44	13.0	started pump, flow = 13.04 gpm		
945	482.0	16.2	8.02	1281	2.08	71	170.43				
950	547.2	16.2	7.83	1280	2.07	70	170.42				
955	612.4	16.2	7.59	1280	2.06	69	170.43				
1000	677.6	16.2	7.37	1289	2.04	62	170.40				
1005	742.8	16.2	7.38	1290	2.04	62	170.40				
1010	808.0	16.2	7.37	1289	2.04	63	170.42				
Condition of Sampler:				Full Suite: / No		Pump Depth:		ft BTOC			
Good				BLM Well		Duplicate \ No		#			
				Partial Suite: / No		Rinsate \ No		#			
				#		Trip Blank \ No		#			
Additional Comments:				PPE Utilized		Gloves		X			
Post sampling calibration performed @ 1730MST on 2/15/11. No samples pulled, parameters and flow rate only.						Safety Glasses		X			
				Signature: <i>Joe W. Sullivan</i>							

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

**GROUNDWATER SAMPLING FIELD DATA SHEET**

Well No.		Purge Equipment		Analytical Equipment		Sampler's Initials		Time		Date	
Stone Spring		☐ Disposable Bailer ☐ Bladder Pump ☐ Grundfos Pump ☒ Other : Gravity fed to sample point		pH meter (temp): ☒ WTW 3400i ☐ Other: Comments:		JWF		1723 MST		3/7/11	
Casing Diameter (In.)		N/A		Cond. Meter (temp): ☒ WTW 3400i ☐ Other: Comments:		Meter Calibration					
Total Well Depth (ft.)		N/A		DO Meter: ☒ WTW 3400i ☐ Other: Comments:		Time: 1344mst Date: 3/7/2011 Auto. Calibrations? Yes pH ☒ Cond. ☒ D.O. ☒ ORP					
Static Water Level (ft.)		☒ Other : Gravity fed to sample point		ORP Meter: ☒ WTW 3400i ☐ Other: Comments:		pH pH std. # 1 = 7.00 at 23.2 °C Calibration Evaluation pH std. # 2 = 10.00 at 23.2 °C 1 Bars Slope = -58.6 mV/pH Assymetry = -23 mV					
Water Thickness (ft.)		N/A		Turbidity Meter: WTW Other: Comments:		Specific Conductance Cell Constant = 0.454 1/cm Calibration Evaluation 3 Bars					
Casing Volume (gal.)		Filtration Equipment: N/A micron filter Comments:				Dissolved Oxygen Relative Slope = 0.94 at 24.6 °C Calibration Evaluation 3 Bars					
Stick-up		Screen Int.		Water Level Meter: ☒ Keck ☐ Other: Comments:		Oxygen-Reduction Potential Conductance Standard: RH28 @ 23.2 °C Reads: 223 mV					
Purge Containerized: _____ No		Destination:				Casing Volume multipliers (gal/ft): 2"= (.16) 3"= (.37) 4"= (.65) 6"= (1.5)					
Time	Volume Removed (casings)	Volume Removed (gal)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description	
1550									7.69	Start Purge @ max flow 5g=39sec	
1650		444.9							7.14	End Purge @ max flow 5g=42sec	
1652		444.9							6.82	Block hooked up, flow now 5g=44sec	
1703		519.9	7.2	7.21	933	4.67	144				
1708		554.0	7.8	7.74	928	4.21	172				
1713		588.1	7.9	7.76	928	4.04	176				
1718		622.2	7.9	7.77	927	4.00	178				
1723		656.3	7.9	7.77	927	4.01	177				
Volume Removed calculated using an average flow rate of 7.415 gpm @ 1650 MST.											
Condition of Sampler:							Full Suite: / No		Pump Depth: ft BTOC		
							Stone Spring		Duplicate \ No		#
							Partial Suite: NO		Rinsate \ No		#
							#		Trip Blank \ No		#
Additional Comments: 1.25" diameter pipe from spring to sample point ~ 1000' in length, thawed this morning. Post sampling calibration @ 1842 MST. All times are mountain standard time.							PPE Utilized		Gloves		X
									Safety Glasses		X
							Signature: 				

Second Quarter 2011



**ENERGY FUELS RESOURCES
CORPORATION**

Personnel: Jess W Fulbright
Project: Piñon Ridge Mill Site

Well ID	Date	Time	Casing Stick-up (ft ags)	Static Water Level (ft BTOC)	Total Depth (ft BTOC)	Casing Volume (gal)	Security		Comments
							Cap (Y/N)	Lock (Y/N)	
MW-1	05/23/11	0741 MDT	2.0	Dry	32.49	NA	Yes	Yes	Measurement only, dry
MW-2	05/23/11	0733 MDT	2.2	Dry	27.42	NA	Yes	Yes	Measurement only, dry
MW-3	05/23/11	0752 MDT	2.4	102.65	102.65	N/A	Yes	Yes	Measurement only, mud at bottom
MW-4	05/23/11	0823 MDT	2.2	Dry	67.67	NA	Yes	Yes	Measurement only, dry
MW-5	05/23/11	1140 MDT	2.4	281.42	301	12.73	Yes	Yes	Measurement only
	05/23/11	1700 MDT		300.50	301	0.33			Bailed ~18.5 gal. to dry, clear
	06/06/11	1505 MDT		283.31	301	11.50			Sampled, water fairly clear
MW-6	05/23/11	0844 MDT	2.8	412.99	484.49	46.48	Yes	Yes	Measurement only, sampled 5/26/11
MW-7	05/23/11	1155 MDT	2.8	342.11	425	53.88	Yes	Yes	Measurement only, sampled 5/26/11
MW-8	05/23/11	1122 MDT	2.6	381.55	421.93	26.25	Yes	Yes	Measurement only*
	06/06/11	0956 MDT		420.72	421.93	0.79			Bailed ~25 gal. to dry
	06/06/11	1624 MDT		417.21	421.93	3.07			Sampled, muddy colored
MW-9	05/23/11	1315 MDT	2.3	406.66	424.5	11.60	Yes	Yes	Measurement only
	05/25/11	1427 MDT		423.46	424.5	0.68			Bailed ~19.5 gal. to dry, red-brown
	06/02/11	1210 MDT		422.86	424.5	1.07			Insufficient Volume to Sample
PW-1	05/23/11	1443 MDT	1.8	287.38	380	60.2	Yes	No	Sampled 6/2/11
PW-2	05/23/11	1210 MDT	1.7	NM	420	?	Yes	No	No Measurement**, sampled 6/2/11
PW-3	05/23/11	1348 MDT	1.7	NM	380	?	Yes	No	No Measurement**, sampled 6/2/11
BLM Well	05/31/11	1150 MDT	NM	168.72	NM	?	Yes	No	Sampled 5/31/11
Boren Well	06/08/11	1559 MDT	NM	33.42	NM	?	Yes	No	Sampled 6/8/11

Notes:

*MW-8: Well has recharged to near normal levels.

**PW-2 & PW-3: The probe hangs up at around 200 feet, many attempts failed to get the probe past this depth on PW-2, did not spend as much time on PW-3 as had failed before. PW-1 took luck and persistence to get a level.



GROUNDWATER SAMPLING FIELD DATA SHEET

L:/Catalog/Forms/GW Sampling Field Data Sheet



ENERGY FUELS RESOURCES
CORPORATION

Project: Piñon Ridge Mill Site

GROUNDWATER SAMPLING FIELD DATA SHEET

Well No. MW-6	Purge Equipment Disposable Bailer Bladder Pump ☒ Grundfos Pump Other:		Analytical Equipment pH meter (temp): ☒ WTW 3400i Other: Comments:		Sampler's Initials ZTR/JWF		Time 1815 MDT		Date 5/26/11	
Casing Diameter (in.) 4	☒				Meter Calibration					
Total Well Depth (ft.) 484.49	Comments:		Cond. Meter (temp): ☒ WTW 3400i Other: Comments:		Time: pH		Date: Cond.		Auto. Calibrations? D.O. ORP	
Static Water Level (ft.) 412.99	Sample Equipment Disposable Bailer Bladder Pump ☒ Grundfos Pump Other:		DO Meter: ☒ WTW 3400i Other: Comments:		pH std. # 1 = pH std. # 2 = Slope =		at at mV/pH		°C °C Asymmetry =	
Water Thickness (ft.) 71.5	Comments:		Comments:		Cell Constant = 1/cm		Calibration Evaluation Bars		Specific Conductance	
Casing Volume (gal.) 46.5	Filtration Equipment: 0.45 micron filter Comments:		ORP Meter: ☒ WTW 3400i Other: Comments:		Relative Slope = at		°C		Calibration Evaluation Bars	
Stick-up 1.37 (ft.)	Screen Int. 459-479 (ft.)	Water Level Meter: ☒ Keck Other: Comments:	Turbidity Meter: WTW Other: Comments:		Conductance Standard:		mV		Reads: mV	
Purge Containerized: Yes ☐ No ☒	Destination:				Casing Volume multipliers (gal/ft): 2"=(.18) 3"=(.37) 4"=(.65) 6"=(1.5)					
Time	Volume Removed (casings)	Temp. (°C)	pH (s.u.)	Cond (mS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description	
1720								4.6	Black, sulfur smell. Clear after 3 gal.	
1734	1.4	64						4.6		
1753		64						4.6	Wiring shorted out. Stopped pumping, repaired and resumed.	
1808	2.9	133	19.0	6.88	3.83	0.98	-119	4.6		
1813	3.4	156	19.0	6.88	3.82	0.96	-120	4.6	Started Sampling	
1835									Finished Sampling	
Condition of Sampler:						Full Suite: No		Pump Depth:		ft BTOC
						#		Duplicate		Yes
						Partial Suite: Yes		Rinsate		No
						#MW-6		Trip Blank		No
										#
Additional Comments:						PPE Utilized		Gloves		X
								Safety Glasses		X
						Signature:				

 ENERGY FUELS RESOURCES
CORPORATION
GROUNDWATER SAMPLING FIELD DATA SHEET

Project: Piñon Ridge Mill Site[illegible]

**GROUNDWATER SAMPLING FIELD DATA SHEET**L:/Catalog/Forms/GW Sampling Field Data Sheet

**GROUNDWATER SAMPLING FIELD DATA SHEET**L:/Catalog/Forms/GW Sampling Field Data Sheet



GROUNDWATER SAMPLING FIELD DATA SHEET

L:/Catalog/Forms/GW Sampling Field Data Sheet

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]



Laboratories, Inc.

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: ZACH ROGERS

Company: ENERGY FUELS

E-mail: zrogers@energyfuels.co

Address:

Telephone:

Copy of Report to:

Name: ZACH

Company:

E-mail:

Telephone:

Invoice to:

Name: ZACH ROGERS

Company:

E-mail:

Address:

Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES

☒

NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes

No

☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: ZACH ROGERS

Sampler's site information

State

CO

Zip code

Time Zone

MDT

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: PINON-RIDGE-QUARTLY/DUP

Project/PO #:

Reporting state for compliance testing:

Are any samples NRC licensable material?

Yes (NO)

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

of Containers

PINON-RIDGE-
QUARTLYPINON-RIDGE-
DUP

MW-6

5/26/11 1815

GW

7

X

MW-7

5/26/11 1030

GW

7

X

DUROS2611

5/26/11 —

GW

3

X

Matrix

SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

5/27/11 14:14

5/27-11 14:14

Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd. Suite 600
	Lakewood, CO 80228
Telephone:	303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail: _____
Telephone: _____

Invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600
	Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or If insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Piñon-Ridge
Project/PO #:	Piñon Ridge
Reporting state for compliance testing:	NO
Sampler's Name:	Jess W Fulbright
Are any samples NRC licensable material?	NO

of Containers

Piñon-Ridge

Piñon-Ridge-Qtrly

Piñon-Ridge-Dup

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

MW-5	6-6-11:1520MDT	GW
MW-8	6-6-11:1659MDT	GW

7

7

X

x

Matrix SW (Surface Water) - GW (Ground Water) - WW (Waste Water) - DW (Drinking Water) - SL (Sludge) - SO (Soil) - OL (Oil) - Other

REMARKS/ SAMPLE DISCLOSURES

All times are Mountain Daylight Time. Two samples contained in one cooler.

PAGE

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of
1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

<i>Jos W. Tuller</i>	6-8-11 1110MDT		

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

Well No.		Purge Equipment		Analytical Equipment		Sampler's Initials		Time		Date		
BLM Well		Disposible Bailer Bladder Pump		pH meter (temp): ☒ WTW 3400i Other:		JWF		1240 MDT		5/31/11		
Casing Diameter (in.)		Grundfos Pump		Comments:		Meter Calibration						
6"		☒ Other:		Cond. Meter (temp): ☒ WTW 3400i Other:		Time: 0856mdt Date: 5/31/2011 Automatic Calibrations? ☒ Yes						
Total Well Depth (ft.)		Comments:		DO Meter: ☒ WTW 3400i Other:		pH pH std. # 1 = 7.00 at 22.7 °C Calibration Evaluation pH std. # 2 = 10.00 at 22.7 °C 1 Bars Slope = -56.8 mV/pH Asymmetry = -14 mV						
Static Water Level (ft.)		Sample Equipment Disposible Bailer Bladder Pump Grundfos Pump		Comments:		Specific Conductance Cell Constant = 0.460 1/cm Calibration Evaluation 3 Bars						
168.72		☒ Other:		Comments:		Dissolved Oxygen Relative Slope = 0.92 at 24.8 °C Calibration Evaluation 3 Bars						
Casing Volume (gal.)		Filtration Equipment: N/A micron filter		ORP Meter: ☒ WTW 3400i Other:		Oxygen-Reduction Potential Conductance Standard: RH28 @ 22.8 °C Reads: 222 mV						
Stick-up		Screen Int.		Comments:		Casing Volume multipliers (gal/ft): 2"=(.16) 3"=(.37) 4"=(.65) 6"=(1.5)						
1.25 (ft.)		Water Level Meter: ☒ Keck Other:		Comments:								
Purge Containerized: Yes No		Comments:		Turbidity Meter: WTW Other:								
Destination:				Comments:								
Time	Volume Removed (casings)	Volume (gal)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description		
1150								168.72	16.98	Started purge 16.98 gpm block hooked up full flow		
1225		594.3							170.11	Water clear no odor		
1230		679.2	16.6	7.44	1411	2.89	-36					
1235		764.1	16.6	7.43	1412	2.86	-36					
1240 1243		849.0	16.6	7.44	1410	2.88	-36		169.88	Final water level		
Condition of Sampler:							Full Suite: / Yes		Pump Depth:		R BTOC	
Good							BLM Well		Duplicate \ Yes		#	
							Partial Suite: / No		Rinsale \ No		#	
							#		Trip Blank \ No		#	
Additional Comments:							PPE Utilized		Gloves		☒	
Post sampling calibration performed @ 1810MDT on 5/31/11. Full set of samples pulled, as well as duplicate.									Safety Glasses		☒	
							Signature: <i>Don W. Sullivan</i>					

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

Well No.		Purge Equipment	Analytical Equipment	Sampler's Initials	Time	Date				
Boren Well		Disposable Bailer Bladder Pump	pH meter (temp): X WTW 3400i Other:	JWF	1721 MDT	6/8/11				
Casing Diameter (in.)		Grundfos Pump	Comments:	Meter Calibration						
3"		X Other: Pre-installed Pump	Cond. Meter (temp): X WTW 3400i Other:	Time: 1319mdt pH X	Date: 6/8/2011 Cond. X	Auto. Calibrations? Yes D.O. X ORP				
Total Well Depth (ft.)		Sample Equipment	DO Meter: X WTW 3400i Other:	Calibration Evaluation						
100'		Disposables Bailer Bladder Pump	Comments:	pH std. # 1 = 7.00 at 23.6 °C pH std. # 2 = 10.00 at 23.6 °C Slope = -57 mV/pH Assymetry = -6 mV						
Static Water Level (ft.)		Grundfos Pump	ORP Meter: X WTW 3400i Other:	Specific Conductance						
33.27		Water Thickness (ft.): 66.73	Comments:	Cell Constant = 0.456 1/cm Calibration Evaluation RelativeSlope = 0.68 at 24.7 °C Dissolved Oxygen Conductance Standard: RH28 @ 23.8 °C Roads: 218 mV						
Casing Volume (gal.)		Filtration Equipment: N/A micron filter	Turbidity Meter: WTW Other:							
Stick-up Screen InL		Water Level Motor: X Keck Other:	Comments:	Oxygen-Reduction Potential						
1.25' (ft.) 65' (ft.)		Destination:	Comments:							
Purge Containerized: No				Casing Volume multipliers (gal/ft): 2"= (.16) 3"= (.37) 4"= (.65) 6"= (1.5)						
Time		Volume Removed (casings) (gal)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description
1559								33.42	10.34	Started Purge, water clear
1700		630.7								block hooked up, full flow
1705		682.4	15.3	7.92	1249	3.38	218			
1710		734.1	15.3	7.93	1248	3.36	217			
1715		785.8	15.3	7.93	1249	3.37	218			
1720		837.5	15.3	7.93	1249	3.38	218			
1721										Started pulling samples
Condition of Sampler:		Full Suite: / Yes		Pump Depth:		ft BTQC				
Very good, used new hose splitter.		Boren Well		Duplicate \ No		#				
Additional Comments:		Partial Suite: / No		Rinsate \ No		#				
Post sampling calibration @ 1812 MDT. Parameters and samples taken.		#		Trip Blank \ No		#				
		Gloves X		Safety Glasses X						
Signature: [Handwritten Signature]										

GROUNDWATER SAMPLING FIELD DATA SHEET

Well No.		Purge Equipment	Analytical Equipment	Sampler's Initials		Time	Date			
Stone Spring		Disposabale Bailer Bladder Pump Grundfos Pump ☒ Other : Gravity fed to sample point	pH meter (temp): ☒ WTW 3400i Other: Comments:	JWF	1546 MDT	6/8/11				
Casing Diameter (In.)	N/A	Total Well Depth (ft.)	Cond. Meter (temp): ☒ WTW 3400i Other: Comments:	Meter Calibration						
N/A	N/A	Static Water Level (ft.)	DO Meter: ☒ WTW 3400i Other: Comments:	Time: 1310mst Date: 6/8/2011 Auto. Calibrations? Yes						
N/A	N/A	Water Thickness (ft.)	ORP Meter: ☒ WTW 3400i Other: Comments:	pH pH std. # 1 = 7.00 at 23.6 °C Calibration Evaluation pH std. # 2 = 10.00 at 23.6 °C 3 Bars Slope = -57 mV/pH Assymetry = -6 mV						
Casing Volume (gal.)	Filtration Equipment: N/A micron filter	Stick-up	Turbidity Meter: WTW Other: Comments:	Specific Conductance Cell Constant = 0.456 1/cm Calibration Evaluation 3 Bars						
Screen Int.	Water Level Meter: ☒ Keck Dther: Comments:	Purge Containerized: No		Dissolved Oxygen Relative Slope = 0.68 at 24.7 °C Calibration Evaluation 1 Bars						
Destination:				Oxygen-Reduction Potential Conductance Standard: RH28 @ 23.8 °C Reads: 218 mV						
				Casing Volume multipliers (gal/ft): 2"=(.16) 3"= (.37) 4"= (.65) 6"= (1.5)						
Time	Volume Removed (gal)	(CV)	Temp. (°C)	pH (s.u.)	Cond (uS/cm)	DO (mg/L)	ORP (mV)	Water Level (ft below TOC)	Pumping Rate (gal/min)	Visual Description
≈ 0900									7.50	Borens started purge @ max flow for me, flow approximate
1516	2820.0								7.69	Arrived on-site, measured current flow 39sec = 5gal
1535	2966.11		15.6	7.76	970	5.19	158		7.14	Block hooked up, flow now 5g = 42 sec, water clear and fresh
1540	2991.36		15.6	7.78	971	5.16	157			
1545	3027.06		15.6	7.78	971	5.17	157			
1546										Started pulling samples
Volume Removed calculated using an average flow rate of 7.415 gpm @ 1650 MST.										
Condition of Sampler:				Full Suite: / Yes		Pump Depth:		ft BTOC		
All In good condition, new hose splitter used.				Stone Spring		Duplicate		\ No	#	
				Partial Suite: NO		Rinsate		\ No	#	
				#		Trip Blank		\ No	#	
Additional Comments:				PPE Utilized		Gloves		X		
1.25" diameter pipe from spring to sample point = 1000' in length. Post sampling calibration @ 1812 MDT. Parameters and pulled samples.						Safety Glasses		X		
				Signature:						

Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd. Suite 600
	Lakewood, CO 80228
Telephone:	303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail:	
Telephone:	

Invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600 Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

Is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Piñon-Ridge
Project/PO #:	Piñon Ridge
Reporting state for compliance testing:	NO
Sampler's Name:	Jess W Fulbright
Are any samples NRC licensable material?	NO

[illegible][illegible]

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

All times are Mountain Daylight Time.

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Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

6-1-11 0730MDT

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Zach Rogers
Company: Energy Fuels Resources
E-mail: z.rogers@energyfuels.com

Address:	44 Union Blvd. Suite 600
	Lakewood, CO 80228
Telephone:	303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail: _____
Telephone: _____

Invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600 Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: Piñon-Ridge
Project/PO #: Piñon Ridge
Reporting state for compliance testing: NO
Sampler's Name: Jess W Fulbright
Are any samples NRC licensable material? NO

[illegible]

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

Stone Spring	6-8-11:1546MDT
Boren Well	6-8-11:1721MDT

Matrix	SW (Surface Water) - GW (Ground Water) - WW (Waste Water) - DW (Drinking Water) - SL (Sludge) - SO (Soil) - OL (Oil) - Other
--------	--

REMARKS/ SAMPLE DISCLOSURES

All times are Mountain Daylight Time. Two samples contained in one cooler.

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of
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Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Jess W. Fulbright

6-9-11 1015MDT

Third Quarter 2011

**GROUNDWATER SAMPLING FIELD DATA SHEET**L:/Catalog/Forms/GW Sampling Field Data Sheet



GROUNDWATER SAMPLING FIELD DATA SHEET

L:/Catalog/Forms/GW Sampling Field Data Sheet

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

Fourth Quarter 2011

**GROUNDWATER SAMPLING FIELD DATA SHEET**[illegible]



GROUNDWATER SAMPLING FIELD DATA SHEET

L:/Catalog/Forms/GW Sampling Field Data Sheet

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET[illegible]

GROUNDWATER SAMPLING FIELD DATA SHEET

[illegible]

Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address: 44 Union Blvd. Suite 600
Lakewood, CO 80228
Telephone: 303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail:	
Telephone:	

Invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600
	Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: Pinon-Ridge
Project/PO #: Piñon Ridge
Reporting state for compliance testing: NO
Sampler's Name: Jess W Fulbright
Are any samples NRC licensable material? NO

of Containers

Pinon-Ridge

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

[illegible]

Matrix	SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other
--------	--

REMARKS/ SAMPLE DISCLOSURES

One sample contained in one cooler. All times Mountain Daylight Time.

PAGE
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of
1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

10-18-11 1100MDT

ATTACHMENT B

Second Quarter 2011 Laboratory Analytical Report

July 01, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID: PINON RIDGE

ACZ Project ID: L88326

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 04, 2011. This project has been assigned to ACZ's project number, L88326. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L88326. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 01, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources Corporation

July 01, 2011

Project ID: PINON RIDGE

ACZ Project ID: L88326

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 3 ground water samples from Energy Fuels Resources Corporation on June 4, 2011. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L88326. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

The samples were analyzed for inorganic and radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Lead 210 analyses were qualified with the ACZ 'N1' flag as the recovery of the Pb carrier was low. However, it is the opinion of the laboratory that the data is still usable.

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-1

ACZ Sample ID: **L88326-01**

Date Sampled: 06/02/11 10:05

Date Received: 06/04/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/14/11 22:40	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0065			mg/L	0.0005	0.002	06/23/11 0:22	pmc
Boron, dissolved	M200.7 ICP	0.31			mg/L	0.01	0.05	06/14/11 22:40	aeb
Calcium, dissolved	M200.7 ICP	69.3			mg/L	0.2	1	06/14/11 22:40	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:40	aeb
Iron, dissolved	M200.7 ICP	0.06			mg/L	0.02	0.05	06/14/11 22:40	aeb
Lead, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0005	06/23/11 0:22	pmc
Magnesium, dissolved	M200.7 ICP	86.3			mg/L	0.2	1	06/14/11 22:40	aeb
Manganese, dissolved	M200.7 ICP	0.047			mg/L	0.005	0.03	06/14/11 22:40	aeb
Molybdenum, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	06/14/11 22:40	aeb
Potassium, dissolved	M200.7 ICP	10.3			mg/L	0.3	2	06/14/11 22:40	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0185		*	mg/L	0.0001	0.0003	06/23/11 0:22	pmc
Silica, dissolved	M200.7 ICP	15.0			mg/L	0.4	2	06/14/11 22:40	aeb
Sodium, dissolved	M200.7 ICP	76.5			mg/L	0.3	2	06/14/11 22:40	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0880			mg/L	0.0001	0.0005	06/23/11 0:22	pmc
Vanadium, dissolved	M200.7 ICP	0.018	B		mg/L	0.005	0.03	06/14/11 22:40	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:40	aeb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		223			mg/L	2	20	06/07/11 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	06/07/11 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	06/07/11 0:00	las
Total Alkalinity		223			mg/L	2	20	06/07/11 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.3			%			07/01/11 0:00	calc
Sum of Anions		13.3			meq/L	0.1	0.5	07/01/11 0:00	calc
Sum of Cations		14.2			meq/L	0.1	0.5	07/01/11 0:00	calc
Chloride	SM4500Cl-E	36			mg/L	1	5	06/21/11 7:11	itk
Fluoride	SM4500F-C	0.4	B		mg/L	0.1	0.5	06/16/11 13:00	abm
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1.39		*	mg/L	0.02	0.1	06/17/11 23:11	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/18/11 16:21	pjb
Residue, Filterable (TDS) @180C	SM2540C	820			mg/L	10	20	06/07/11 17:14	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D	10	B	*	mg/L	5	20	06/08/11 13:45	ndm
Sulfate	SM4500 SO4-D	370			mg/L	10	50	06/20/11 14:11	las
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:22	cra
TDS (calculated)	Calculation	798			mg/L	10	50	07/01/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						07/01/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-2

ACZ Sample ID: **L88326-02**

Date Sampled: 06/02/11 08:25

Date Received: 06/04/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/14/11 22:43	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0021			mg/L	0.0005	0.002	06/23/11 0:31	pmc
Boron, dissolved	M200.7 ICP	0.45			mg/L	0.01	0.05	06/14/11 22:43	aeb
Calcium, dissolved	M200.7 ICP	93.1			mg/L	0.2	1	06/14/11 22:43	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:43	aeb
Iron, dissolved	M200.7 ICP	0.26			mg/L	0.02	0.05	06/14/11 22:43	aeb
Lead, dissolved	M200.8 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	06/23/11 0:31	pmc
Magnesium, dissolved	M200.7 ICP	74.4			mg/L	0.2	1	06/14/11 22:43	aeb
Manganese, dissolved	M200.7 ICP	0.021	B		mg/L	0.005	0.03	06/14/11 22:43	aeb
Molybdenum, dissolved	M200.7 ICP	0.03	B		mg/L	0.01	0.05	06/14/11 22:43	aeb
Potassium, dissolved	M200.7 ICP	17.4			mg/L	0.3	2	06/14/11 22:43	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0209		*	mg/L	0.0001	0.0003	06/23/11 0:31	pmc
Silica, dissolved	M200.7 ICP	14.2			mg/L	0.4	2	06/14/11 22:43	aeb
Sodium, dissolved	M200.7 ICP	98.9			mg/L	0.3	2	06/14/11 22:43	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0713			mg/L	0.0001	0.0005	06/23/11 0:31	pmc
Vanadium, dissolved	M200.7 ICP	0.012	B		mg/L	0.005	0.03	06/14/11 22:43	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:43	aeb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration								
Bicarbonate as CaCO3		230			mg/L	2	20	06/07/11 0:00	las
Carbonate as CaCO3			U		mg/L	2	20	06/07/11 0:00	las
Hydroxide as CaCO3			U		mg/L	2	20	06/07/11 0:00	las
Total Alkalinity		230			mg/L	2	20	06/07/11 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.3			%			07/01/11 0:00	calc
Sum of Anions		14.9			meq/L	0.1	0.5	07/01/11 0:00	calc
Sum of Cations		15.6			meq/L	0.1	0.5	07/01/11 0:00	calc
Chloride	SM4500Cl-E	30			mg/L	1	5	06/21/11 7:11	itk
Fluoride	SM4500F-C	0.4	B		mg/L	0.1	0.5	06/16/11 13:03	abm
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	0.54		*	mg/L	0.02	0.1	06/17/11 23:12	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/18/11 16:24	pjb
Residue, Filterable (TDS) @180C	SM2540C	920			mg/L	10	20	06/08/11 15:22	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/08/11 13:50	ndm
Sulfate	SM4500 SO4-D	450			mg/L	10	50	06/20/11 14:16	las
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:26	cra
TDS (calculated)	Calculation	917			mg/L	10	50	07/01/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						07/01/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-3

ACZ Sample ID: **L88326-03**

Date Sampled: 06/02/11 11:20

Date Received: 06/04/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/14/11 22:47	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0066			mg/L	0.0005	0.002	06/23/11 0:34	pmc
Boron, dissolved	M200.7 ICP	0.43			mg/L	0.01	0.05	06/14/11 22:47	aeb
Calcium, dissolved	M200.7 ICP	73.3			mg/L	0.2	1	06/14/11 22:47	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:47	aeb
Iron, dissolved	M200.7 ICP	0.02	B		mg/L	0.02	0.05	06/14/11 22:47	aeb
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/23/11 0:34	pmc
Magnesium, dissolved	M200.7 ICP	75.0			mg/L	0.2	1	06/14/11 22:47	aeb
Manganese, dissolved	M200.7 ICP	0.009	B		mg/L	0.005	0.03	06/14/11 22:47	aeb
Molybdenum, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	06/14/11 22:47	aeb
Potassium, dissolved	M200.7 ICP	13.8			mg/L	0.3	2	06/14/11 22:47	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0183		*	mg/L	0.0001	0.0003	06/23/11 0:34	pmc
Silica, dissolved	M200.7 ICP	15.3			mg/L	0.4	2	06/14/11 22:47	aeb
Sodium, dissolved	M200.7 ICP	104			mg/L	0.3	2	06/14/11 22:47	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0781			mg/L	0.0001	0.0005	06/23/11 0:34	pmc
Vanadium, dissolved	M200.7 ICP	0.017	B		mg/L	0.005	0.03	06/14/11 22:47	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/14/11 22:47	aeb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		248			mg/L	2	20	06/07/11 0:00	las
Carbonate as CaCO ₃			U		mg/L	2	20	06/07/11 0:00	las
Hydroxide as CaCO ₃			U		mg/L	2	20	06/07/11 0:00	las
Total Alkalinity		248			mg/L	2	20	06/07/11 0:00	las
Cation-Anion Balance	Calculation								
Cation-Anion Balance		3.5			%			07/01/11 0:00	calc
Sum of Anions		13.8			meq/L	0.1	0.5	07/01/11 0:00	calc
Sum of Cations		14.8			meq/L	0.1	0.5	07/01/11 0:00	calc
Chloride	SM4500Cl-E	37			mg/L	1	5	06/21/11 7:11	itk
Fluoride	SM4500F-C	0.4	B		mg/L	0.1	0.5	06/16/11 13:07	abm
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	0.66		*	mg/L	0.02	0.1	06/17/11 23:16	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/18/11 16:26	pjb
Residue, Filterable (TDS) @180C	SM2540C	870			mg/L	10	20	06/08/11 15:24	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D	12	B	*	mg/L	5	20	06/08/11 13:52	ndm
Sulfate	SM4500 SO ₄ -D	370			mg/L	10	50	06/20/11 14:20	las
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:37	cra
TDS (calculated)	Calculation	838			mg/L	10	50	07/01/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.04						07/01/11 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302923													
WG302923PBW1	PBW	06/07/11 17:43				U	mg/L		-20	20			
WG302923LCSW2	LCSW	06/07/11 17:55	WC110601-1	820.0001		770.5	mg/L	94	90	110			
L88333-03DUP	DUP	06/07/11 19:33			357	357.7	mg/L				0.2	20	
WG302923PBW2	PBW	06/07/11 21:13				U	mg/L		-20	20			
WG302923LCSW5	LCSW	06/07/11 21:26	WC110601-1	820.0001		777.1	mg/L	94.8	90	110			
WG302923PBW3	PBW	06/08/11 0:47				U	mg/L		-20	20			
WG302923LCSW8	LCSW	06/08/11 1:00	WC110601-1	820.0001		774.4	mg/L	94.4	90	110			
WG302923LCSW11	LCSW	06/08/11 2:41	WC110601-1	820.0001		783.4	mg/L	95.5	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		1.919	mg/L	96	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.09	0.09			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.15		.16	mg/L	106.7	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	200.15		197.171	mg/L	98.5	1	200			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	1		1.021	mg/L	102.1	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	1	U	.985	mg/L	98.5	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	1	U	1.015	mg/L	101.5	85	115	3	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		.943	mg/L	94.3	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.09	0.09			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		.983	mg/L	98.3	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.09	0.09			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		.965	mg/L	96.5	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.09	0.09			

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303792													
WG303792ICV	ICV	06/23/11 0:00	MS110414-1	.05		.05333	mg/L	106.7	90	110			
WG303792ICB	ICB	06/23/11 0:03				U	mg/L		-0.0011	0.0011			
WG303792LFB	LFB	06/23/11 0:06	MS110523-2	.05005		.04448	mg/L	88.9	85	115			
WG303792CCV1	CCV	06/23/11 0:16	MS110603-4	.25025		.2402	mg/L	96	90	110			
WG303792CCB1	CCB	06/23/11 0:19				U	mg/L		-0.0015	0.0015			
L88326-01AS	AS	06/23/11 0:25	MS110523-2	.05005	.0065	.05818	mg/L	103.3	70	130			
L88326-01ASD	ASD	06/23/11 0:28	MS110523-2	.05005	.0065	.05904	mg/L	105	70	130	1.47	20	
WG303792CCV2	CCV	06/23/11 0:54	MS110603-4	.25025		.2308	mg/L	92.2	90	110			
WG303792CCB2	CCB	06/23/11 0:57				U	mg/L		-0.0015	0.0015			
WG303792CCV3	CCV	06/23/11 1:19	MS110603-4	.25025		.2312	mg/L	92.4	90	110			
WG303792CCB3	CCB	06/23/11 1:22				U	mg/L		-0.0015	0.0015			
WG303792CCV4	CCV	06/23/11 1:38	MS110603-4	.25025		.2416	mg/L	96.5	90	110			
WG303792CCB4	CCB	06/23/11 1:41				U	mg/L		-0.0015	0.0015			
WG303792CCV5	CCV	06/23/11 1:50	MS110603-4	.25025		.2399	mg/L	95.9	90	110			
WG303792CCB5	CCB	06/23/11 1:53				U	mg/L		-0.0015	0.0015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		2.074	mg/L	103.7	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.03	0.03			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.05005		.05	mg/L	99.9	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	.1001		.116	mg/L	115.9	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5005		.528	mg/L	105.5	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5005	.43	.935	mg/L	100.9	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5005	.43	.941	mg/L	102.1	85	115	0.64	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		1.044	mg/L	104.4	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.03	0.03			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		1.035	mg/L	103.5	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.03	0.03			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.037	mg/L	103.7	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.03	0.03			

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	100		98.84	mg/L	98.8	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.6	0.6			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	1		1.06	mg/L	106	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	201		199.75	mg/L	99.4	1	200			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	67.99734		69.14	mg/L	101.7	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	67.99734	73.3	141.91	mg/L	100.9	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	67.99734	73.3	142.4	mg/L	101.6	85	115	0.34	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	50		48.89	mg/L	97.8	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.6	0.6			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	50		49.34	mg/L	98.7	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.6	0.6			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	50		50.2	mg/L	100.4	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Chloride

SM4500CI-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303797													
WG303797ICB	ICB	06/21/11 7:00				U	mg/L		-3	3			
WG303797ICV	ICV	06/21/11 7:00	WI101005-3	55.165		59.5	mg/L	107.9	90	110			
WG303797CCV1	CCV	06/21/11 7:11	WI110325-1	50		52.2	mg/L	104.4	90	110			
WG303797CCB1	CCB	06/21/11 7:11				U	mg/L		-3	3			
WG303797LFB1	LFB	06/21/11 7:11	WI110322-1	30		32.4	mg/L	108	90	110			
L88326-01AS	AS	06/21/11 7:11	WI110322-1	30	36	64.7	mg/L	95.7	90	110			
L88326-02DUP	DUP	06/21/11 7:11			30	30.3	mg/L				1	20	
WG303797CCV2	CCV	06/21/11 7:12	WI110325-1	50		52	mg/L	104	90	110			
WG303797CCB2	CCB	06/21/11 7:12				U	mg/L		-3	3			
WG303797CCV3	CCV	06/21/11 7:13	WI110325-1	50		51.8	mg/L	103.6	90	110			
WG303797CCB3	CCB	06/21/11 7:13				U	mg/L		-3	3			
WG303797CCV4	CCV	06/21/11 7:25	WI110325-1	50		52.1	mg/L	104.2	90	110			
WG303797CCB4	CCB	06/21/11 7:25				U	mg/L		-3	3			
WG303797CCV5	CCV	06/21/11 7:26	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303797CCB5	CCB	06/21/11 7:26				U	mg/L		-3	3			
WG303797LFB2	LFB	06/21/11 7:26	WI110322-1	30		32.3	mg/L	107.7	90	110			
WG303797CCV6	CCV	06/21/11 7:27	WI110325-1	50		51.6	mg/L	103.2	90	110			
WG303797CCB6	CCB	06/21/11 7:27				U	mg/L		-3	3			
WG303797CCV7	CCV	06/21/11 7:35	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303797CCB7	CCB	06/21/11 7:35				U	mg/L		-3	3			
WG303797CCV8	CCV	06/21/11 7:36	WI110325-1	50		51.7	mg/L	103.4	90	110			
WG303797CCB8	CCB	06/21/11 7:36				U	mg/L		-3	3			
WG303797CCV9	CCV	06/21/11 7:45	WI110325-1	50		52.2	mg/L	104.4	90	110			
WG303797CCB9	CCB	06/21/11 7:45				U	mg/L		-3	3			
WG303797CCV10	CCV	06/21/11 7:46	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303797CCB10	CCB	06/21/11 7:46				U	mg/L		-3	3			
WG303797CCV11	CCV	06/21/11 7:54	WI110325-1	50		51.7	mg/L	103.4	90	110			
WG303797CCB11	CCB	06/21/11 7:54				U	mg/L		-3	3			
WG303797CCV12	CCV	06/21/11 7:56	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303797CCB12	CCB	06/21/11 7:56				U	mg/L		-3	3			
WG303797CCV13	CCV	06/21/11 7:59	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303797CCB13	CCB	06/21/11 7:59				U	mg/L		-3	3			

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		1.934	mg/L	96.7	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.03	0.03			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.05		.051	mg/L	102	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	.1		.095	mg/L	95	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5		.508	mg/L	101.6	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5	U	.508	mg/L	101.6	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5	U	.507	mg/L	101.4	85	115	0.2	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		.965	mg/L	96.5	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.03	0.03			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		.951	mg/L	95.1	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.03	0.03			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		.944	mg/L	94.4	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Fluoride

SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303556													
WG303556ICV	ICV	06/16/11 12:30	WC110614-1	2		1.95	mg/L	97.5	95	105			
WG303556ICB	ICB	06/16/11 12:38				U	mg/L		-0.3	0.3			
WG303556PQV	PQV	06/16/11 12:41	WC110414-3	.5		.45	mg/L	90	70	130			
WG303556LFB1	LFB	06/16/11 12:46	WC110414-4	5		4.76	mg/L	95.2	90	110			
L88325-01AS	AS	06/16/11 12:53	WC110414-4	5	2.6	7.51	mg/L	98.2	90	110			
L88325-01DUP	DUP	06/16/11 12:57			2.6	2.57	mg/L				1.2	20	
WG303556CCV1	CCV	06/16/11 13:25	WC110614-1	2		1.98	mg/L	99	90	110			
WG303556CCB1	CCB	06/16/11 13:32				U	mg/L		-0.3	0.3			
WG303556CCV2	CCV	06/16/11 14:21	WC110614-1	2		2.01	mg/L	100.5	90	110			
WG303556CCB2	CCB	06/16/11 14:29				U	mg/L		-0.3	0.3			
WG303556LFB2	LFB	06/16/11 14:59	WC110414-4	5		4.74	mg/L	94.8	90	110			
WG303556CCV3	CCV	06/16/11 15:12	WC110614-1	2		1.97	mg/L	98.5	90	110			
WG303556CCB3	CCB	06/16/11 15:19				U	mg/L		-0.3	0.3			
WG303556CCV4	CCV	06/16/11 15:51	WC110614-1	2		2	mg/L	100	90	110			
WG303556CCB4	CCB	06/16/11 15:59				U	mg/L		-0.3	0.3			
WG303556CCV5	CCV	06/16/11 16:38	WC110614-1	2		2	mg/L	100	90	110			
WG303556CCB5	CCB	06/16/11 16:46				U	mg/L		-0.3	0.3			
WG303556CCV6	CCV	06/16/11 17:01	WC110614-1	2		2.03	mg/L	101.5	90	110			
WG303556CCB6	CCB	06/16/11 17:08				U	mg/L		-0.3	0.3			

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		2.004	mg/L	100.2	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.06	0.06			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.05		.052	mg/L	104	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	200.05		197.496	mg/L	98.7	1	200			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	1		1.067	mg/L	106.7	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	1	.02	1.104	mg/L	108.4	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	1	.02	1.111	mg/L	109.1	85	115	0.63	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		.987	mg/L	98.7	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.06	0.06			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		.982	mg/L	98.2	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.06	0.06			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.001	mg/L	100.1	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303792													
WG303792ICV	ICV	06/23/11 0:00	MS110414-1	.05		.05184	mg/L	103.7	90	110			
WG303792ICB	ICB	06/23/11 0:03				U	mg/L		-0.00022	0.00022			
WG303792LFB	LFB	06/23/11 0:06	MS110523-2	.05005		.04387	mg/L	87.7	85	115			
WG303792CCV1	CCV	06/23/11 0:16	MS110603-4	.25025		.2446	mg/L	97.7	90	110			
WG303792CCB1	CCB	06/23/11 0:19				U	mg/L		-0.0003	0.0003			
L88326-01AS	AS	06/23/11 0:25	MS110523-2	.05005	.0002	.04868	mg/L	96.9	70	130			
L88326-01ASD	ASD	06/23/11 0:28	MS110523-2	.05005	.0002	.04952	mg/L	98.5	70	130	1.71	20	
WG303792CCV2	CCV	06/23/11 0:54	MS110603-4	.25025		.2476	mg/L	98.9	90	110			
WG303792CCB2	CCB	06/23/11 0:57				U	mg/L		-0.0003	0.0003			
WG303792CCV3	CCV	06/23/11 1:19	MS110603-4	.25025		.2418	mg/L	96.6	90	110			
WG303792CCB3	CCB	06/23/11 1:22				U	mg/L		-0.0003	0.0003			
WG303792CCV4	CCV	06/23/11 1:38	MS110603-4	.25025		.2462	mg/L	98.4	90	110			
WG303792CCB4	CCB	06/23/11 1:41				U	mg/L		-0.0003	0.0003			
WG303792CCV5	CCV	06/23/11 1:50	MS110603-4	.25025		.2493	mg/L	99.6	90	110			
WG303792CCB5	CCB	06/23/11 1:53				U	mg/L		-0.0003	0.0003			

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	100		102.37	mg/L	102.4	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.6	0.6			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	1		.92	mg/L	92	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	201		211.1	mg/L	105	1	200			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	50.00321		51.63	mg/L	103.3	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	50.00321	75	128.47	mg/L	106.9	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	50.00321	75	128.93	mg/L	107.9	85	115	0.36	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	50		49.94	mg/L	99.9	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.6	0.6			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	50		51.71	mg/L	103.4	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.6	0.6			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	50		53.23	mg/L	106.5	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		1.9406	mg/L	97	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.015	0.015			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.025		.0258	mg/L	103.2	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	50.025		45.869	mg/L	91.7	1	200			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5		.5267	mg/L	105.3	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5	.009	.5348	mg/L	105.2	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5	.009	.5383	mg/L	105.9	85	115	0.65	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		.9801	mg/L	98	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.015	0.015			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		1.0153	mg/L	101.5	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.015	0.015			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.0164	mg/L	101.6	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.015	0.015			

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		2.023	mg/L	101.2	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.03	0.03			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.05		.055	mg/L	110	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	.1		.108	mg/L	108	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5		.517	mg/L	103.4	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5	.04	.556	mg/L	103.2	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5	.04	.556	mg/L	103.2	85	115	0	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		.978	mg/L	97.8	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.03	0.03			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		.982	mg/L	98.2	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.03	0.03			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.006	mg/L	100.6	90	110			
WG303373CCB3	CCB	06/15/11 0:19				.014	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303679													
WG303679ICV	ICV	06/17/11 21:48	WI110330-1	2.416		2.255	mg/L	93.3	90	110			
WG303679ICB	ICB	06/17/11 21:49				U	mg/L		-0.06	0.06			
WG303681													
WG303681CCV1	CCV	06/17/11 22:59	WI110610-5	2		1.935	mg/L	96.8	90	110			
WG303681CCB1	CCB	06/17/11 23:00				U	mg/L		-0.06	0.06			
WG303681LFB1	LFB	06/17/11 23:01	WI110322-5	2		1.937	mg/L	96.9	90	110			
L88306-01AS	AS	06/17/11 23:04	WI110322-5	2	.03	2.089	mg/L	103	90	110			
L88306-02DUP	DUP	06/17/11 23:06			.03	.034	mg/L				12.5	20	RA
WG303681CCV2	CCV	06/17/11 23:13	WI110610-5	2		1.928	mg/L	96.4	90	110			
WG303681CCB2	CCB	06/17/11 23:15				U	mg/L		-0.06	0.06			
WG303681CCV3	CCV	06/17/11 23:28	WI110610-5	2		1.922	mg/L	96.1	90	110			
WG303681CCB3	CCB	06/17/11 23:29				U	mg/L		-0.06	0.06			
WG303681LFB2	LFB	06/17/11 23:36	WI110322-5	2		1.923	mg/L	96.2	90	110			
WG303681CCV4	CCV	06/17/11 23:42	WI110610-5	2		1.904	mg/L	95.2	90	110			
WG303681CCB4	CCB	06/17/11 23:43				U	mg/L		-0.06	0.06			
WG303681CCV5	CCV	06/17/11 23:54	WI110610-5	2		1.886	mg/L	94.3	90	110			
WG303681CCB5	CCB	06/17/11 23:55				U	mg/L		-0.06	0.06			

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303694													
WG303694ICV	ICV	06/18/11 16:18	WI101121-1	1.004		.998	mg/L	99.4	90	110			
WG303694ICB	ICB	06/18/11 16:19				U	mg/L		-0.15	0.15			
WG303694LFB1	LFB	06/18/11 16:20	WI110211-5	1		1.008	mg/L	100.8	90	110			
L88326-01AS	AS	06/18/11 16:22	WI110211-5	1	U	1.004	mg/L	100.4	90	110			
L88326-02DUP	DUP	06/18/11 16:25			U	U	mg/L				0	20	RA
WG303694CCV1	CCV	06/18/11 16:31	WI100902-1	2		2.009	mg/L	100.5	90	110			
WG303694CCB1	CCB	06/18/11 16:33				U	mg/L		-0.15	0.15			
WG303694CCV2	CCV	06/18/11 16:45	WI100902-1	2		1.995	mg/L	99.8	90	110			
WG303694CCB2	CCB	06/18/11 16:46				U	mg/L		-0.15	0.15			
WG303694LFB2	LFB	06/18/11 16:53	WI110211-5	1		.992	mg/L	99.2	90	110			
WG303694CCV3	CCV	06/18/11 16:58	WI100902-1	2		1.993	mg/L	99.7	90	110			
WG303694CCB3	CCB	06/18/11 16:59				U	mg/L		-0.15	0.15			
WG303694CCV4	CCV	06/18/11 17:11	WI100902-1	2		1.987	mg/L	99.4	90	110			
WG303694CCB4	CCB	06/18/11 17:12				U	mg/L		-0.15	0.15			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	20		20.13	mg/L	100.7	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.9	0.9			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	1.5		1.55	mg/L	103.3	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	1.5		1.51	mg/L	100.7	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	100.0031		102.63	mg/L	102.6	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	100.0031	13.8	119	mg/L	105.2	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	100.0031	13.8	118.47	mg/L	104.7	85	115	0.45	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	10		10.25	mg/L	102.5	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.9	0.9			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	10		10.17	mg/L	101.7	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.9	0.9			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	10		9.91	mg/L	99.1	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.9	0.9			

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302930													
WG302930PBW	PBW	06/07/11 16:55				U	mg/L		-20	20			
WG302930LCSW	LCSW	06/07/11 16:56	PCN37133	260		256	mg/L	98.5	80	120			
L88357-04DUP	DUP	06/07/11 17:29			190	186	mg/L				2.1	20	
WG303033													
WG303033PBW	PBW	06/08/11 15:17				U	mg/L		-20	20			
WG303033LCSW	LCSW	06/08/11 15:18	PCN37131	260		254	mg/L	97.7	80	120			
L88350-02DUP	DUP	06/08/11 15:34			130	132	mg/L				1.5	20	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303004													
WG303004PBW	PBW	06/08/11 13:18				U	mg/L		-15	15			
WG303004LCSW	LCSW	06/08/11 13:20	PCN37131	160		148	mg/L	92.5	80	120			
L88326-01DUP	DUP	06/08/11 13:47			10	11	mg/L				9.5	20	RA
L88355-04DUP	DUP	06/08/11 14:15			U	U	mg/L				0	20	RA

Energy Fuels Resources Corporation
 Project ID: PINON RIDGE

ACZ Project ID: **L88326**

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303792													
WG303792ICV	ICV	06/23/11 0:00	MS110414-1	.05		.05388	mg/L	107.8	90	110			
WG303792ICB	ICB	06/23/11 0:03				U	mg/L		-0.00022	0.00022			
WG303792LFB	LFB	06/23/11 0:06	MS110523-2	.05005		.04472	mg/L	89.4	85	115			
WG303792CCV1	CCV	06/23/11 0:16	MS110603-4	.25025		.2536	mg/L	101.3	90	110			
WG303792CCB1	CCB	06/23/11 0:19				.0004	mg/L		-0.0003	0.0003			BB
L88326-01AS	AS	06/23/11 0:25	MS110523-2	.05005	.0185	.07633	mg/L	115.5	70	130			
L88326-01ASD	ASD	06/23/11 0:28	MS110523-2	.05005	.0185	.08036	mg/L	123.6	70	130	5.14	20	
WG303792CCV2	CCV	06/23/11 0:54	MS110603-4	.25025		.2562	mg/L	102.4	90	110			
WG303792CCB2	CCB	06/23/11 0:57				.00019	mg/L		-0.0003	0.0003			
WG303792CCV3	CCV	06/23/11 1:19	MS110603-4	.25025		.2569	mg/L	102.7	90	110			
WG303792CCB3	CCB	06/23/11 1:22				.00013	mg/L		-0.0003	0.0003			
WG303792CCV4	CCV	06/23/11 1:38	MS110603-4	.25025		.2527	mg/L	101	90	110			
WG303792CCB4	CCB	06/23/11 1:41				.00017	mg/L		-0.0003	0.0003			
WG303792CCV5	CCV	06/23/11 1:50	MS110603-4	.25025		.261	mg/L	104.3	90	110			
WG303792CCB5	CCB	06/23/11 1:53				.00015	mg/L		-0.0003	0.0003			

Silica, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	42.8		41.12	mg/L	96.1	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-1.2	1.2			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	2.14		1.95	mg/L	91.1	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	2.14		1.97	mg/L	92.1	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	21.4		20.96	mg/L	97.9	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	21.4	15.3	35.45	mg/L	94.2	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	21.4	15.3	35.75	mg/L	95.6	85	115	0.84	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	21.4		20.7	mg/L	96.7	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-1.2	1.2			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	21.4		21.19	mg/L	99	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-1.2	1.2			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	21.4		21.31	mg/L	99.6	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-1.2	1.2			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	100		101.12	mg/L	101.1	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.9	0.9			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	1.5021		1.65	mg/L	109.8	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	1.5021		1.63	mg/L	108.5	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	100.018		103.19	mg/L	103.2	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	100.018	104	200.42	mg/L	96.4	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	100.018	104	200.6	mg/L	96.6	85	115	0.09	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	50		51.38	mg/L	102.8	90	110			
WG303373CCB1	CCB	06/14/11 23:14				.5	mg/L		-0.9	0.9			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	50		51.27	mg/L	102.5	90	110			
WG303373CCB2	CCB	06/14/11 23:55				.78	mg/L		-0.9	0.9			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	50		50.32	mg/L	100.6	90	110			
WG303373CCB3	CCB	06/15/11 0:19				.35	mg/L		-0.9	0.9			

Sulfate

SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303734													
WG303734PBW	PBW	06/20/11 14:03				U	mg/L		-30	30			
WG303734LCSW	LCSW	06/20/11 14:07	WC110510-2	100		98	mg/L	98	80	120			
L88529-01DUP	DUP	06/20/11 14:56			740	782	mg/L				5.5	20	

Sulfide as S

376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302891													
WG302891ICV	ICV	06/07/11 13:00	WC110607-6	.34934		.37	mg/L	105.9	90	110			
WG302891ICB	ICB	06/07/11 13:03				U	mg/L		-0.06	0.06			
WG302891LFB	LFB	06/07/11 13:07	WC110607-9	.2168933		.236	mg/L	108.8	80	120			
WG302891CCV1	CCV	06/07/11 13:45	WC110607-7	.16267		.159	mg/L	97.7	90	110			
WG302891CCB1	CCB	06/07/11 13:48				U	mg/L		-0.06	0.06			
WG302891CCV2	CCV	06/07/11 14:30	WC110607-7	.16267		.157	mg/L	96.5	90	110			
WG302891CCB2	CCB	06/07/11 14:33				U	mg/L		-0.06	0.06			
L88345-01AS	AS	06/07/11 14:48	WC110607-9	.2168933	.04	.087	mg/L	21.7	75	125			M2
L88345-01DUP	DUP	06/07/11 14:52			.04	.045	mg/L				11.8	20	RA
WG302891CCV3	CCV	06/07/11 14:56	WC110607-7	.16267		.155	mg/L	95.3	90	110			
WG302891CCB3	CCB	06/07/11 15:00				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

Project ID: PINON RIDGE

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303792													
WG303792ICV	ICV	06/23/11 0:00	MS110414-1	.05		.05412	mg/L	108.2	90	110			
WG303792ICB	ICB	06/23/11 0:03				U	mg/L		-0.00022	0.00022			
WG303792LFB	LFB	06/23/11 0:06	MS110523-2	.05		.04593	mg/L	91.9	85	115			
WG303792CCV1	CCV	06/23/11 0:16	MS110603-4	.1		.09717	mg/L	97.2	90	110			
WG303792CCB1	CCB	06/23/11 0:19				U	mg/L		-0.0003	0.0003			
L88326-01AS	AS	06/23/11 0:25	MS110523-2	.05	.088	.14	mg/L	104	70	130			
L88326-01ASD	ASD	06/23/11 0:28	MS110523-2	.05	.088	.1422	mg/L	108.4	70	130	1.56	20	
WG303792CCV2	CCV	06/23/11 0:54	MS110603-4	.1		.09851	mg/L	98.5	90	110			
WG303792CCB2	CCB	06/23/11 0:57				U	mg/L		-0.0003	0.0003			
WG303792CCV3	CCV	06/23/11 1:19	MS110603-4	.1		.09769	mg/L	97.7	90	110			
WG303792CCB3	CCB	06/23/11 1:22				U	mg/L		-0.0003	0.0003			
WG303792CCV4	CCV	06/23/11 1:38	MS110603-4	.1		.1001	mg/L	100.1	90	110			
WG303792CCB4	CCB	06/23/11 1:41				U	mg/L		-0.0003	0.0003			
WG303792CCV5	CCV	06/23/11 1:50	MS110603-4	.1		.1021	mg/L	102.1	90	110			
WG303792CCB5	CCB	06/23/11 1:53				U	mg/L		-0.0003	0.0003			

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		2.0873	mg/L	104.4	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.015	0.015			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.025		.0259	mg/L	103.6	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	.1		.1108	mg/L	110.8	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5		.5376	mg/L	107.5	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5	.017	.554	mg/L	107.4	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5	.017	.5605	mg/L	108.7	85	115	1.17	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		1.0406	mg/L	104.1	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.015	0.015			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		1.0632	mg/L	106.3	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.015	0.015			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.0745	mg/L	107.5	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.015	0.015			

Energy Fuels Resources CorporationACZ Project ID: **L88326**

Project ID: PINON RIDGE

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303373													
WG303373ICV	ICV	06/14/11 22:18	II110104-1	2		1.963	mg/L	98.2	95	105			
WG303373ICB	ICB	06/14/11 22:23				U	mg/L		-0.03	0.03			
WG303373PQV	PQV	06/14/11 22:26	II110531-2	.05		.051	mg/L	102	70	130			
WG303373SIC	SIC	06/14/11 22:29	II110531-1	.1		.096	mg/L	96	80	120			
WG303373LFB	LFB	06/14/11 22:36	II110601-2	.5		.519	mg/L	103.8	85	115			
L88326-03AS	AS	06/14/11 22:50	II110601-2	.5	U	.536	mg/L	107.2	85	115			
L88326-03ASD	ASD	06/14/11 22:53	II110601-2	.5	U	.545	mg/L	109	85	115	1.67	20	
WG303373CCV1	CCV	06/14/11 23:10	II110104-2	1		1.001	mg/L	100.1	90	110			
WG303373CCB1	CCB	06/14/11 23:14				U	mg/L		-0.03	0.03			
WG303373CCV2	CCV	06/14/11 23:52	II110104-2	1		1.044	mg/L	104.4	90	110			
WG303373CCB2	CCB	06/14/11 23:55				U	mg/L		-0.03	0.03			
WG303373CCV3	CCV	06/15/11 0:16	II110104-2	1		1.05	mg/L	105	90	110			
WG303373CCB3	CCB	06/15/11 0:19				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88326**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88326-01	WG303792	Selenium, dissolved	M200.8 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG303681	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303694	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303004	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	QD	Reported value is the background-corrected concentration, as described by the method.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88326-02	WG303792	Selenium, dissolved	M200.8 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG303681	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303694	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303004	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88326-03	WG303792	Selenium, dissolved	M200.8 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG303681	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303694	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303004	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-1

Locator:

ACZ Sample ID: **L88326-01**

Date Sampled: 06/02/11 10:05

Date Received: 06/04/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/23/11 14:15		25	5.7	2.4	pCi/L	*	zsh
Gross Beta	06/23/11 14:15		25	4	4.1	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		14	5	9.9	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:17		0.14	0.13	0.24	pCi/L	*	mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:46		0.43	0.41	0.94	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:38		-0.21	0.26	0.6	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-2

Locator:

ACZ Sample ID: **L88326-02**

Date Sampled: 06/02/11 8:25

Date Received: 06/04/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/23/11 14:17		33	6.9	2.6	pCi/L	*	zsh
Gross Beta	06/23/11 14:17		30	4.6	4.5	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		4.5	5.5	12	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:19		0.21	0.13	0.17	pCi/L	*	mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:46		0.04	0.39	1.1	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:40		-0.1	0.31	0.66	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: PW-3

Locator:

ACZ Sample ID: **L88326-03**

Date Sampled: 06/02/11 11:20

Date Received: 06/04/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/23/11 14:18		27	6	2.3	pCi/L	*	zsh
Gross Beta	06/23/11 14:18		32	4.3	4.1	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 17:15		2.4	5	11	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:20		0.18	0.08	0.1	pCi/L	*	mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 18:24		0.61	0.46	0.95	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:41		0.27	0.35	0.7	pCi/L	*	jig

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation
 Project ID: PINON RIDGE

ACZ Project ID: **L88326**

Alpha M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304197																
WG303875PBW	PBW	06/23/11						.31	1.2	1.4			2.8			
WG303875LCSW	LCSW	06/23/11	RC110304-1	81.06				88	8.1	1.4	108.6	81	138			
L88306-01DUP	DUP-RE	06/23/11			30	6.1	2.3	28	5.9	2.3				0.24	2	
L88306-02DUP	DUP-RE	06/23/11			26	5.9	2.4	30	6.3	2.4				0.46	2	
L88338-01MS	MS	06/23/11	RC110304-1	81.06	4.8	2.7	2.1	67	8.5	2.1	76.7	81	138			M2

Beta M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304197																
WG303875PBW	PBW	06/23/11						-2.7	2.6	4			8			
WG303875LCSW	LCSW	06/23/11	RC110517-11	100				100	6.6	4	100	65	117			
L88306-01DUP	DUP-RE	06/23/11			20	3.7	4.1	20	3.7	4.1				0	2	
L88306-02DUP	DUP-RE	06/23/11			16	3.9	4.1	21	4.1	4.1				0.88	2	
L88338-02MS	MS	06/23/11	RC110517-11	100	0.52	3	4.1	100	6.8	4.1	99.5	65	117			

Lead 210, dissolved EICHROM, OTW01 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304455																
WG303540LCSW	LCSW	06/27/11	RC100623-1	75.04				43	5.2	8	57.3	47	101			
WG303540PBW	PBW	06/27/11						2.1	2.9	6.4			12.8			
L88278-03MS	MS	06/28/11	RC100623-1	75.03	0.47	3.9	8.7	39	5.5	9.1	51.4	47	101			
L88417-05DUP	DUP-RE	06/28/11			0.74	4.3	9.6	0	4	8.6				0.13	2	
L88278-02DUP	DUP-RE	06/28/11			0	5.6	13	0	3.3	7.2				0	2	

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

ACZ Project ID: **L88326**
Radium 226, dissolved M903.1 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304087																
WG303447PBW	PBW	06/22/11						0	0.09	0.47			0.94			
WG303447LCSW	LCSW	06/22/11	RC100624-2	23.92				29	0.75	0.25	121.3	55	124			
L88323-01DUP	DUP-RP	06/22/11			26	0.65	0.28	24	0.57	0.32				8	20	
L88323-01DUP	DUP-RE	06/22/11			26	0.65	0.28	24	0.57	0.32				2.31	2	RN
L88457-02DUP	DUP-RE	06/22/11			0.14	0.07	0.09	.26	0.11	0.25				0.92	2	
L88325-01MS	MS	06/22/11	RC100624-2	23.92	0.03	0.15	0.41	25	0.66	0.42	104.4	55	124			

Radium 228, dissolved M904.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304079																
WG303723LCSW	LCSW	06/22/11	PCN35626	18.06				10	0.89	1.2	55.4	47	123			
WG303723PBW	PBW	06/22/11						.16	0.23	0.49			0.98			
L88278-01MS	MS	06/22/11	PCN35626	18.06	0.78	0.45	0.96	12	0.92	1.5	62.1	47	123			
L88294-01DUP	DUP-RE	06/22/11			0.16	0.2	0.59	.2	0.22	0.52				0.13	2	
L88306-03DUP	DUP-RE	06/22/11			1.8	0.56	1.2	.92	0.51	1.2				1.16	2	

Thorium 230, dissolved ESM 4506 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304085																
WG303348PBW	PBW	06/15/11						.76	0.48	0.58			1.16			
WG303348LCSW	LCSW	06/15/11	RC091215-1	162.12				170	4.5	0.6	104.9	89	123			
L88208-02DUP	DUP-RE	06/15/11			-0.15	0.37	0.6	-.37	0.44	0.62				0.38	2	
L88457-01DUP	DUP-RE	06/15/11			-0.24	0.35	0.58	-.19	0.32	0.6				0.11	2	
L88208-02MS	MS	06/15/11	RC091215-1	162.12	-0.15	0.37	0.6	170	4.4	0.6	105	89	123			

Energy Fuels Resources CorporationACZ Project ID: **L88326**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88326-01	WG304197	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
	WG304087	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L88326-02	WG304197	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
	WG304087	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L88326-03	WG304197	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
	WG304087	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.

Energy Fuels Resources CorporationACZ Project ID: **L88326**

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved	EICHROM, OTW01
Thorium 230, dissolved	ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S	376.2 - Methylene Blue
--------------	------------------------

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88326
Date Received: 06/04/2011 10:48
Received By: gac
Date Printed: 6/6/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
3159		2.4	17
2946		2.7	17

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88326
 Date Received: 06/04/2011 10:48
 Received By: gac
 Date Printed: 6/6/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L88326-01	PW-1		Y		Y				Y			☐
L88326-02	PW-2		Y		Y				Y			☐
L88326-03	PW-3		Y		Y				Y			☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

68326

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address: 44 Union Blvd. Suite 600
Lakewood, CO 80228
Telephone: 303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail: _____
Telephone: _____

invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600 Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Piñon-Ridge
Project/PO #:	Piñon Ridge
Reporting state for compliance testing:	NO
Sampler's Name:	Jess W Fulbright
Are any samples NRC licensable material?	NO

SAMPLE IDENTIFICATION	DATE:TIME	Matrix
-----------------------	-----------	--------

PW-1	6-2-11:1005MDT	GW
PW-2	6-2-11:0825MDT	GW
PW-3	6-2-11:1120MDT	GW

Matrix	SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other
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MARKS/ SAMPLE DISCLOSURES

All times are Mountain Daylight Time. Three samples contained in two coolers.

PAGE
1
of
1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

6-3-11 1210MDT

6.4.11 10:43

July 07, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID: PINON RIDGE

ACZ Project ID: L88419

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 09, 2011. This project has been assigned to ACZ's project number, L88419. Please reference this number in all future inquiries.

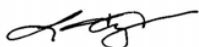
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L88419. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 07, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources Corporation

July 07, 2011

Project ID: PINON RIDGE

ACZ Project ID: L88419

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 2 ground water samples from Energy Fuels Resources Corporation on June 9, 2011. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L88419. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic and radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Lead 210 analysis was qualified with the ACZ 'N1' flag due to low lead carrier recovery. However, the data is deemed usable and the results were accepted.

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: MW-5

ACZ Sample ID: **L88419-01**

Date Sampled: 06/06/11 15:20

Date Received: 06/09/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	0.07	B		mg/L	0.03	0.2	06/15/11 2:00	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0034			mg/L	0.0005	0.002	06/23/11 19:42	msh
Boron, dissolved	M200.7 ICP	0.48			mg/L	0.01	0.05	06/15/11 2:00	aeb
Calcium, dissolved	M200.7 ICP	72.9			mg/L	0.2	1	06/15/11 2:00	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/15/11 2:00	aeb
Iron, dissolved	M200.7 ICP	0.03	B		mg/L	0.02	0.05	06/15/11 2:00	aeb
Lead, dissolved	M200.8 ICP-MS	0.0007			mg/L	0.0001	0.0005	06/23/11 19:42	msh
Magnesium, dissolved	M200.7 ICP	61.7			mg/L	0.2	1	06/15/11 2:00	aeb
Manganese, dissolved	M200.7 ICP	0.287			mg/L	0.005	0.03	06/15/11 2:00	aeb
Molybdenum, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	06/15/11 12:24	aeb
Potassium, dissolved	M200.7 ICP	17.7			mg/L	0.3	2	06/15/11 2:00	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0214			mg/L	0.0001	0.0003	06/23/11 19:42	msh
Silica, dissolved	M200.7 ICP	14.9			mg/L	0.4	2	06/15/11 2:00	aeb
Sodium, dissolved	M200.7 ICP	99.9			mg/L	0.3	2	06/15/11 2:00	aeb
Uranium, dissolved	M200.8 ICP-MS	0.1006			mg/L	0.0001	0.0005	06/23/11 19:42	msh
Vanadium, dissolved	M200.7 ICP	0.012	B		mg/L	0.005	0.03	06/15/11 12:24	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/15/11 2:00	aeb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		213			mg/L	2	20	06/15/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/15/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/15/11 0:00	cra
Total Alkalinity		213			mg/L	2	20	06/15/11 0:00	cra
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.3			%			07/05/11 0:00	calc
Sum of Anions		13.0			meq/L	0.1	0.5	07/05/11 0:00	calc
Sum of Cations		13.6			meq/L	0.1	0.5	07/05/11 0:00	calc
Chloride	SM4500Cl-E	25		*	mg/L	1	5	06/21/11 11:17	itk
Fluoride	SM4500F-C	0.5		*	mg/L	0.1	0.5	06/20/11 16:08	abm
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	2.22		*	mg/L	0.02	0.1	06/25/11 13:57	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	0.17	B	*	mg/L	0.05	0.5	06/20/11 18:02	lhb
Residue, Filterable (TDS) @180C	SM2540C	800			mg/L	10	20	06/09/11 15:13	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D	780		*	mg/L	10	40	06/10/11 13:18	ndm
Sulfate	SM4500 SO ₄ -D	380		*	mg/L	10	50	06/24/11 6:40	las
Sulfide as S	376.2 - Methylene Blue	0.20	B	*	mg/L	0.08	0.4	06/13/11 14:24	cra
TDS (calculated)	Calculation	801			mg/L	10	50	07/05/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						07/05/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: MW-8

ACZ Sample ID: **L88419-02**

Date Sampled: 06/06/11 16:59

Date Received: 06/09/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/15/11 2:11	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0032			mg/L	0.0005	0.002	06/23/11 19:45	msh
Boron, dissolved	M200.7 ICP	0.51			mg/L	0.01	0.05	06/15/11 2:11	aeb
Calcium, dissolved	M200.7 ICP	301			mg/L	0.2	1	06/15/11 2:11	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/15/11 2:11	aeb
Iron, dissolved	M200.7 ICP	0.87			mg/L	0.02	0.05	06/15/11 2:11	aeb
Lead, dissolved	M200.8 ICP-MS	0.0005			mg/L	0.0001	0.0005	06/23/11 19:45	msh
Magnesium, dissolved	M200.7 ICP	221			mg/L	0.2	1	06/15/11 2:11	aeb
Manganese, dissolved	M200.7 ICP	0.407			mg/L	0.005	0.03	06/15/11 2:11	aeb
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/15/11 12:33	aeb
Potassium, dissolved	M200.7 ICP	19.8			mg/L	0.3	2	06/15/11 2:11	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0002	B		mg/L	0.0001	0.0003	06/23/11 19:45	msh
Silica, dissolved	M200.7 ICP	15.7			mg/L	0.4	2	06/15/11 2:11	aeb
Sodium, dissolved	M200.7 ICP	24.8			mg/L	0.3	2	06/15/11 2:11	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0024			mg/L	0.0001	0.0005	06/23/11 19:45	msh
Vanadium, dissolved	M200.7 ICP	0.007	B		mg/L	0.005	0.03	06/15/11 12:33	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/15/11 2:11	aeb

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		451			mg/L	2	20	06/15/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/15/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/15/11 0:00	cra
Total Alkalinity		451			mg/L	2	20	06/15/11 0:00	cra
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.0			%			07/05/11 0:00	calc
Sum of Anions		32.2			meq/L	0.1	0.5	07/05/11 0:00	calc
Sum of Cations		34.9			meq/L	0.1	0.5	07/05/11 0:00	calc
Chloride	SM4500Cl-E	30		*	mg/L	1	5	06/21/11 11:17	itk
Fluoride	SM4500F-C	0.6		*	mg/L	0.1	0.5	06/20/11 16:17	abm
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved		U	*	mg/L	0.02	0.1	06/25/11 13:58	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	0.11	B	*	mg/L	0.05	0.5	06/20/11 18:05	lhb
Residue, Filterable (TDS) @180C	SM2540C	1990			mg/L	10	20	06/09/11 15:19	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D	252		*	mg/L	5	20	06/10/11 13:20	ndm
Sulfate	SM4500 SO ₄ -D	1060			mg/L	10	50	06/22/11 7:38	ndm
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/13/11 14:30	cra
TDS (calculated)	Calculation	1940			mg/L	10	50	07/05/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						07/05/11 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303426													
WG303426PQV1	PQV	06/15/11 10:43	WC101207-3	20		18.2	mg/L	91	50	150			
WG303426PBW1	PBW	06/15/11 10:51				U	mg/L		-20	20			
WG303426LCSW2	LCSW	06/15/11 11:03	WC110601-1	820.0001		775.7	mg/L	94.6	90	110			
L88421-03DUP	DUP	06/15/11 12:55			173	173	mg/L				0	20	
WG303426PBW2	PBW	06/15/11 14:26				U	mg/L		-20	20			
WG303426LCSW5	LCSW	06/15/11 14:39	WC110601-1	820.0001		771.1	mg/L	94	90	110			
WG303426PBW3	PBW	06/15/11 17:53				U	mg/L		-20	20			
WG303426LCSW8	LCSW	06/15/11 18:06	WC110601-1	820.0001		784.7	mg/L	95.7	90	110			
WG303426PBW4	PBW	06/16/11 0:26				U	mg/L		-20	20			
WG303426LCSW11	LCSW	06/16/11 0:39	WC110601-1	820.0001		787.8	mg/L	96.1	90	110			
WG303426LCSW14	LCSW	06/16/11 3:51	WC110601-1	820.0001		794.8	mg/L	96.9	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		1.939	mg/L	97	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.09	0.09			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.15		.156	mg/L	104	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	200.15		196.79	mg/L	98.3	1	200			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	1		1.007	mg/L	100.7	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	1	.07	1.063	mg/L	99.3	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	1	.07	1.066	mg/L	99.6	85	115	0.28	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		.95	mg/L	95	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.09	0.09			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		.953	mg/L	95.3	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.09	0.09			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		.956	mg/L	95.6	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.09	0.09			

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303986													
WG303986ICV	ICV	06/23/11 19:31	MS110414-1	.05		.05222	mg/L	104.4	90	110			
WG303986ICB	ICB	06/23/11 19:34				U	mg/L		-0.0011	0.0011			
WG303986PQV	PQV	06/23/11 19:37	MS110617-2	.002002		.00206	mg/L	102.9	70	130			
WG303986LFB	LFB	06/23/11 19:40	MS110523-2	.05005		.05136	mg/L	102.6	85	115			
L88422-01AS	AS	06/23/11 20:00	MS110523-2	.05005	U	.05379	mg/L	107.5	70	130			
WG303986CCV1	CCV	06/23/11 20:03	MS110603-4	.25025		.2433	mg/L	97.2	90	110			
WG303986CCB1	CCB	06/23/11 20:05				U	mg/L		-0.0015	0.0015			
L88422-01ASD	ASD	06/23/11 20:08	MS110523-2	.05005	U	.05461	mg/L	109.1	70	130	1.51	20	
WG303986CCV2	CCV	06/23/11 20:37	MS110603-4	.25025		.2684	mg/L	107.3	90	110			
WG303986CCB2	CCB	06/23/11 20:40				U	mg/L		-0.0015	0.0015			
WG303986CCV3	CCV	06/23/11 21:03	MS110603-4	.25025		.2639	mg/L	105.5	90	110			
WG303986CCB3	CCB	06/23/11 21:06				U	mg/L		-0.0015	0.0015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		2.07	mg/L	103.5	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.03	0.03			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.05005		.05	mg/L	99.9	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	.1001		.107	mg/L	106.9	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	.5005		.525	mg/L	104.9	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	.5005	.48	.993	mg/L	102.5	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	.5005	.48	.993	mg/L	102.5	85	115	0	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		1.032	mg/L	103.2	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.03	0.03			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		1.033	mg/L	103.3	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.03	0.03			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		1.032	mg/L	103.2	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.03	0.03			

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	100		100.22	mg/L	100.2	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.6	0.6			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	1		1.05	mg/L	105	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	201		202.71	mg/L	100.9	1	200			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	67.99734		71.53	mg/L	105.2	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	67.99734	72.9	142.62	mg/L	102.5	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	67.99734	72.9	142.18	mg/L	101.9	85	115	0.31	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	50		47.63	mg/L	95.3	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.6	0.6			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	50		48.39	mg/L	96.8	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.6	0.6			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	50		48.27	mg/L	96.5	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Chloride

SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303832													
WG303832ICB	ICB	06/21/11 7:00				U	mg/L		-3	3			
WG303832ICV	ICV	06/21/11 7:00	WI101005-3	55.165		59.5	mg/L	107.9	90	110			
WG303832CCV1	CCV	06/21/11 11:17	WI110325-1	50		51.8	mg/L	103.6	90	110			
WG303832CCB1	CCB	06/21/11 11:17				U	mg/L		-3	3			
WG303832LFB1	LFB	06/21/11 11:17	WI110322-1	30		32.3	mg/L	107.7	90	110			
WG303832CCV2	CCV	06/21/11 11:19	WI110325-1	50		52	mg/L	104	90	110			
WG303832CCB2	CCB	06/21/11 11:19				U	mg/L		-3	3			
WG303832CCV3	CCV	06/21/11 11:21	WI110325-1	50		52.1	mg/L	104.2	90	110			
WG303832CCB3	CCB	06/21/11 11:21				U	mg/L		-3	3			
WG303832LFB2	LFB	06/21/11 11:21	WI110322-1	30		33	mg/L	110	90	110			
WG303832CCV4	CCV	06/21/11 11:27	WI110325-1	50		51.7	mg/L	103.4	90	110			
WG303832CCB4	CCB	06/21/11 11:27				U	mg/L		-3	3			
WG303832CCV5	CCV	06/21/11 11:29	WI110325-1	50		52.1	mg/L	104.2	90	110			
WG303832CCB5	CCB	06/21/11 11:29				U	mg/L		-3	3			
L88417-02DUP	DUP	06/21/11 11:29			800	812	mg/L				1.5	20	
WG303832CCV6	CCV	06/21/11 11:34	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303832CCB6	CCB	06/21/11 11:34				U	mg/L		-3	3			
WG303832CCV7	CCV	06/21/11 11:35	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303832CCB7	CCB	06/21/11 11:35				U	mg/L		-3	3			
WG303832CCV8	CCV	06/21/11 11:51	WI110325-1	50		51.8	mg/L	103.6	90	110			
WG303832CCB8	CCB	06/21/11 11:51				U	mg/L		-3	3			
L88417-01AS	AS	06/21/11 11:51	10XCL	150	370	555	mg/L	123.3	90	110			M3
WG303832CCV9	CCV	06/21/11 11:52	WI110325-1	50		51.7	mg/L	103.4	90	110			
WG303832CCB9	CCB	06/21/11 11:52				U	mg/L		-3	3			

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		1.939	mg/L	97	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.03	0.03			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.05		.046	mg/L	92	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	.1		.093	mg/L	93	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	.5		.51	mg/L	102	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	.5	U	.51	mg/L	102	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	.5	U	.509	mg/L	101.8	85	115	0.2	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		.964	mg/L	96.4	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.03	0.03			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		.965	mg/L	96.5	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.03	0.03			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		.966	mg/L	96.6	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303743													
WG303743ICV	ICV	06/20/11 15:52	WC110614-1	2		1.9	mg/L	95	95	105			
WG303743ICB	ICB	06/20/11 15:58				U	mg/L		-0.3	0.3			
WG303743PQV	PQV	06/20/11 16:02	WC110414-3	.5		.42	mg/L	84	70	130			
WG303743LFB1	LFB	06/20/11 16:04	WC110414-4	5		4.77	mg/L	95.4	90	110			
L88419-01AS	AS	06/20/11 16:11	WC110414-4	5	.5	5.59	mg/L	101.8	90	110			
L88419-01DUP	DUP	06/20/11 16:14			.5	.49	mg/L				2	20	RA
WG303743CCV1	CCV	06/20/11 16:45	WC110614-1	2		1.94	mg/L	97	90	110			
WG303743CCB1	CCB	06/20/11 16:52				U	mg/L		-0.3	0.3			
WG303743CCV2	CCV	06/20/11 17:51	WC110614-1	2		1.98	mg/L	99	90	110			
WG303743CCB2	CCB	06/20/11 17:58				U	mg/L		-0.3	0.3			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		2.021	mg/L	101.1	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.06	0.06			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.05		.047	mg/L	94	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	200.05		200.533	mg/L	100.2	1	200			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	1		1.069	mg/L	106.9	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	1	.03	1.133	mg/L	110.3	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	1	.03	1.14	mg/L	111	85	115	0.62	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		.962	mg/L	96.2	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.06	0.06			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		.98	mg/L	98	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.06	0.06			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		.977	mg/L	97.7	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.06	0.06			

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303986													
WG303986ICV	ICV	06/23/11 19:31	MS110414-1	.05		.04998	mg/L	100	90	110			
WG303986ICB	ICB	06/23/11 19:34				U	mg/L		-0.00022	0.00022			
WG303986PQV	PQV	06/23/11 19:37	MS110617-2	.0005005		.00043	mg/L	85.9	70	130			
WG303986LFB	LFB	06/23/11 19:40	MS110523-2	.05005		.05295	mg/L	105.8	85	115			
L88422-01AS	AS	06/23/11 20:00	MS110523-2	.05005	.0005	.05076	mg/L	100.4	70	130			
WG303986CCV1	CCV	06/23/11 20:03	MS110603-4	.25025		.2479	mg/L	99.1	90	110			
WG303986CCB1	CCB	06/23/11 20:05				U	mg/L		-0.0003	0.0003			
L88422-01ASD	ASD	06/23/11 20:08	MS110523-2	.05005	.0005	.05051	mg/L	99.9	70	130	0.49	20	
WG303986CCV2	CCV	06/23/11 20:37	MS110603-4	.25025		.2607	mg/L	104.2	90	110			
WG303986CCB2	CCB	06/23/11 20:40				U	mg/L		-0.0003	0.0003			
WG303986CCB3	CCB	06/23/11 21:06				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	100		104.44	mg/L	104.4	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.6	0.6			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	1		.89	mg/L	89	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	201		213.75	mg/L	106.3	1	200			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	50.00321		53.69	mg/L	107.4	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	50.00321	61.7	115.84	mg/L	108.3	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	50.00321	61.7	115.61	mg/L	107.8	85	115	0.2	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	50		48.01	mg/L	96	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.6	0.6			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	50		49.76	mg/L	99.5	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.6	0.6			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	50		49.42	mg/L	98.8	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.6	0.6			

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		1.9632	mg/L	98.2	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.015	0.015			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.025		.0224	mg/L	89.6	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	50.025		46.4487	mg/L	92.9	1	200			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	.5		.5329	mg/L	106.6	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	.5	.287	.8079	mg/L	104.2	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	.5	.287	.8084	mg/L	104.3	85	115	0.06	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		.9666	mg/L	96.7	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.015	0.015			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		.9851	mg/L	98.5	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.015	0.015			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		.9855	mg/L	98.6	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.015	0.015			

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303463													
WG303463ICV	ICV	06/15/11 12:05	II110104-1	2		1.999	mg/L	100	95	105			
WG303463ICB	ICB	06/15/11 12:08				U	mg/L		-0.03	0.03			
WG303463PQV	PQV	06/15/11 12:11	II110531-2	.05		.039	mg/L	78	70	130			
WG303463SIC	SIC	06/15/11 12:15	II110531-1	.1		.09	mg/L	90	80	120			
WG303463LFB	LFB	06/15/11 12:21	II110601-2	.5		.51	mg/L	102	85	115			
L88419-01AS	AS	06/15/11 12:27	II110601-2	.5	.02	.531	mg/L	102.2	85	115			
L88419-01ASD	ASD	06/15/11 12:30	II110601-2	.5	.02	.528	mg/L	101.6	85	115	0.57	20	
WG303463CCV1	CCV	06/15/11 12:51	II110104-2	1		.999	mg/L	99.9	90	110			
WG303463CCB1	CCB	06/15/11 12:54				U	mg/L		-0.03	0.03			
WG303463CCV2	CCV	06/15/11 13:06	II110104-2	1		.993	mg/L	99.3	90	110			
WG303463CCB2	CCB	06/15/11 13:09				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304219													
WG304219ICV	ICV	06/25/11 13:41	WI110330-1	2.416		2.295	mg/L	95	90	110			
WG304219ICB	ICB	06/25/11 13:42				U	mg/L		-0.06	0.06			
WG304219LFB1	LFB	06/25/11 13:45	WI110322-5	2		1.94	mg/L	97	90	110			
L88417-01AS	AS	06/25/11 13:48	WI110322-5	2	.02	1.67	mg/L	82.5	90	110			M2
L88417-02DUP	DUP	06/25/11 13:50			U	U	mg/L				0	20	RA
WG304219CCV1	CCV	06/25/11 13:55	WI110621-1	2		1.97	mg/L	98.5	90	110			
WG304219CCB1	CCB	06/25/11 13:56				U	mg/L		-0.06	0.06			
WG304219CCV2	CCV	06/25/11 14:11	WI110621-1	2		1.971	mg/L	98.6	90	110			
WG304219CCB2	CCB	06/25/11 14:12				U	mg/L		-0.06	0.06			
WG304219LFB2	LFB	06/25/11 14:21	WI110322-5	2		1.934	mg/L	96.7	90	110			
WG304219CCV3	CCV	06/25/11 14:25	WI110621-1	2		1.964	mg/L	98.2	90	110			
WG304219CCB3	CCB	06/25/11 14:26				U	mg/L		-0.06	0.06			
WG304219CCV4	CCV	06/25/11 14:39	WI110621-1	2		1.962	mg/L	98.1	90	110			
WG304219CCB4	CCB	06/25/11 14:40				U	mg/L		-0.06	0.06			
WG304219CCV5	CCV	06/25/11 14:48	WI110621-1	2		1.934	mg/L	96.7	90	110			
WG304219CCB5	CCB	06/25/11 14:50				U	mg/L		-0.06	0.06			

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303762													
WG303762ICV	ICV	06/20/11 16:51	WI101121-1	1.004		1.032	mg/L	102.8	90	110			
WG303762ICB	ICB	06/20/11 16:52				U	mg/L		-0.15	0.15			
WG303779													
WG303779CCV1	CCV	06/20/11 17:59	WI100902-1	2		1.974	mg/L	98.7	90	110			
WG303779CCB1	CCB	06/20/11 18:00				U	mg/L		-0.15	0.15			
WG303779LFB1	LFB	06/20/11 18:01	WI110211-5	1		1.036	mg/L	103.6	90	110			
L88419-01AS	AS	06/20/11 18:04	WI110211-5	1	.17	1.19	mg/L	102	90	110			
L88419-02DUP	DUP	06/20/11 18:06			.11	.111	mg/L				0.9	20	RA
WG303779CCV2	CCV	06/20/11 18:12	WI100902-1	2		1.961	mg/L	98.1	90	110			
WG303779CCB2	CCB	06/20/11 18:14				U	mg/L		-0.15	0.15			
WG303779CCV3	CCV	06/20/11 18:26	WI100902-1	2		1.954	mg/L	97.7	90	110			
WG303779CCB3	CCB	06/20/11 18:27				U	mg/L		-0.15	0.15			
WG303779LFB2	LFB	06/20/11 18:34	WI110211-5	1		1.004	mg/L	100.4	90	110			
WG303779CCV4	CCV	06/20/11 18:39	WI100902-1	2		1.95	mg/L	97.5	90	110			
WG303779CCB4	CCB	06/20/11 18:41				U	mg/L		-0.15	0.15			
WG303779CCV5	CCV	06/20/11 18:53	WI100902-1	2		1.955	mg/L	97.8	90	110			
WG303779CCB5	CCB	06/20/11 18:54				U	mg/L		-0.15	0.15			

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

ACZ Project ID: **L88419**

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	20		20.36	mg/L	101.8	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.9	0.9			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	1.5		1.5	mg/L	100	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	1.5		1.34	mg/L	89.3	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	100.0031		105.76	mg/L	105.8	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	100.0031	17.7	123.81	mg/L	106.1	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	100.0031	17.7	124.16	mg/L	106.5	85	115	0.28	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	10		9.92	mg/L	99.2	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.9	0.9			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	10		10.35	mg/L	103.5	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.9	0.9			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	10		10.17	mg/L	101.7	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.9	0.9			

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303117													
WG303117PBW	PBW	06/09/11 14:45				U	mg/L		-20	20			
WG303117LCSW	LCSW	06/09/11 14:47	PCN37131	260		260	mg/L	100	80	120			
L88419-01DUP	DUP	06/09/11 15:16			800	792	mg/L				1	20	
L88430-01DUP	DUP	06/09/11 15:45			180	182	mg/L				1.1	20	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303196													
WG303196PBW	PBW	06/10/11 12:59				U	mg/L		-15	15			
WG303196LCSW	LCSW	06/10/11 13:01	PCN37131	160		144	mg/L	90	80	120			
L88421-02DUP	DUP	06/10/11 13:28			13	14	mg/L				7.4	20	RA

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303986													
WG303986ICV	ICV	06/23/11 19:31	MS110414-1	.05		.05415	mg/L	108.3	90	110			
WG303986ICB	ICB	06/23/11 19:34				U	mg/L		-0.00022	0.00022			
WG303986PQV	PQV	06/23/11 19:37	MS110617-2	.00025025		.00029	mg/L	115.9	70	130			
WG303986LFB	LFB	06/23/11 19:40	MS110523-2	.05005		.04984	mg/L	99.6	85	115			
L88422-01AS	AS	06/23/11 20:00	MS110523-2	.05005	.0005	.05662	mg/L	112.1	70	130			
WG303986CCV1	CCV	06/23/11 20:03	MS110603-4	.25025		.2505	mg/L	100.1	90	110			
WG303986CCB1	CCB	06/23/11 20:05				U	mg/L		-0.0003	0.0003			
L88422-01ASD	ASD	06/23/11 20:08	MS110523-2	.05005	.0005	.05733	mg/L	113.5	70	130	1.25	20	
WG303986CCV2	CCV	06/23/11 20:37	MS110603-4	.25025		.2691	mg/L	107.5	90	110			
WG303986CCB2	CCB	06/23/11 20:40				.0001	mg/L		-0.0003	0.0003			
WG303986CCV3	CCV	06/23/11 21:03	MS110603-4	.25025		.2761	mg/L	110.3	90	110			
WG303986CCB3	CCB	06/23/11 21:06				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Silica, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	42.8		41.16	mg/L	96.2	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-1.2	1.2			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	2.14		1.95	mg/L	91.1	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	2.14		1.99	mg/L	93	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	21.4		21.14	mg/L	98.8	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	21.4	14.9	35.74	mg/L	97.4	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	21.4	14.9	35.91	mg/L	98.2	85	115	0.47	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	21.4		20.5	mg/L	95.8	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-1.2	1.2			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	21.4		20.79	mg/L	97.1	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-1.2	1.2			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	21.4		20.87	mg/L	97.5	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-1.2	1.2			

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	100		101.35	mg/L	101.4	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.9	0.9			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	1.5021		1.52	mg/L	101.2	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	1.5021		1.53	mg/L	101.9	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	100.018		105.25	mg/L	105.2	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	100.018	99.9	198.05	mg/L	98.1	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	100.018	99.9	198.32	mg/L	98.4	85	115	0.14	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	50		50.49	mg/L	101	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.9	0.9			

Sulfate

SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303968													
WG303968PBW	PBW	06/22/11 7:38				12	mg/L		-30	30			
WG303968LCSW	LCSW	06/22/11 7:38	WC110510-2	100		108	mg/L	108	80	120			
L88579-04DUP	DUP	06/22/11 7:41			850	980	mg/L				14.2	20	
WG303948													
WG303948PBW	PBW	06/24/11 6:40				U	mg/L		-30	30			
WG303948LCSW	LCSW	06/24/11 6:40	WC110510-2	100		111	mg/L	111	80	120			
L88522-08DUP	DUP	06/24/11 6:42			30	32	mg/L				6.5	20	RA

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Sulfide as S

376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303285													
WG303285ICV	ICV	06/13/11 13:30	WC110613-5	.34934		.363	mg/L	103.9	90	110			
WG303285ICB	ICB	06/13/11 13:35				U	mg/L		-0.06	0.06			
WG303285LFB	LFB	06/13/11 13:40	WC110613-8	.21956		.234	mg/L	106.6	80	120			
WG303285CCV1	CCV	06/13/11 14:35	WC110613-6	.16467		.155	mg/L	94.1	90	110			
WG303285CCB1	CCB	06/13/11 14:41				U	mg/L		-0.06	0.06			
L88432-01AS	AS	06/13/11 14:52	WC110613-8	.21956	U	.163	mg/L	74.2	75	125			M2
L88432-01DUP	DUP	06/13/11 14:57			U	U	mg/L				0	20	RA
WG303285CCV2	CCV	06/13/11 15:41	WC110613-6	.16467		.156	mg/L	94.7	90	110			
WG303285CCB2	CCB	06/13/11 15:47				U	mg/L		-0.06	0.06			
WG303285CCV3	CCV	06/13/11 16:14	WC110613-6	.16467		.154	mg/L	93.5	90	110			
WG303285CCB3	CCB	06/13/11 16:19				U	mg/L		-0.06	0.06			

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303986													
WG303986ICV	ICV	06/23/11 19:31	MS110414-1	.05		.0521	mg/L	104.2	90	110			
WG303986ICB	ICB	06/23/11 19:34				U	mg/L		-0.00022	0.00022			
WG303986PQV	PQV	06/23/11 19:37	MS110617-2	.0005		.00048	mg/L	96	70	130			
WG303986LFB	LFB	06/23/11 19:40	MS110523-2	.05		.05182	mg/L	103.6	85	115			
L88422-01AS	AS	06/23/11 20:00	MS110523-2	.05	.0005	.05356	mg/L	106.1	70	130			
WG303986CCV1	CCV	06/23/11 20:03	MS110603-4	.1		.09875	mg/L	98.8	90	110			
WG303986CCB1	CCB	06/23/11 20:05				U	mg/L		-0.0003	0.0003			
L88422-01ASD	ASD	06/23/11 20:08	MS110523-2	.05	.0005	.05316	mg/L	105.3	70	130	0.75	20	
WG303986CCV2	CCV	06/23/11 20:37	MS110603-4	.1		.1031	mg/L	103.1	90	110			
WG303986CCB2	CCB	06/23/11 20:40				U	mg/L		-0.0003	0.0003			
WG303986CCV3	CCV	06/23/11 21:03	MS110603-4	.1		.1096	mg/L	109.6	90	110			
WG303986CCB3	CCB	06/23/11 21:06				U	mg/L		-0.0003	0.0003			

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303463													
WG303463ICV	ICV	06/15/11 12:05	II110104-1	2		2.0734	mg/L	103.7	95	105			
WG303463ICB	ICB	06/15/11 12:08				U	mg/L		-0.015	0.015			
WG303463PQV	PQV	06/15/11 12:11	II110531-2	.025		.0252	mg/L	100.8	70	130			
WG303463SIC	SIC	06/15/11 12:15	II110531-1	.1		.1039	mg/L	103.9	80	120			
WG303463LFB	LFB	06/15/11 12:21	II110601-2	.5		.5455	mg/L	109.1	85	115			
L88419-01AS	AS	06/15/11 12:27	II110601-2	.5	.012	.5605	mg/L	109.7	85	115			
L88419-01ASD	ASD	06/15/11 12:30	II110601-2	.5	.012	.5567	mg/L	108.9	85	115	0.68	20	
WG303463CCV1	CCV	06/15/11 12:51	II110104-2	1		1.0431	mg/L	104.3	90	110			
WG303463CCB1	CCB	06/15/11 12:54				U	mg/L		-0.015	0.015			
WG303463CCV2	CCV	06/15/11 13:06	II110104-2	1		1.0416	mg/L	104.2	90	110			
WG303463CCB2	CCB	06/15/11 13:09				U	mg/L		-0.015	0.015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303380													
WG303380ICV	ICV	06/15/11 1:39	II110104-1	2		1.995	mg/L	99.8	95	105			
WG303380ICB	ICB	06/15/11 1:43				U	mg/L		-0.03	0.03			
WG303380PQV	PQV	06/15/11 1:47	II110531-2	.05		.055	mg/L	110	70	130			
WG303380SIC	SIC	06/15/11 1:50	II110531-1	.1		.101	mg/L	101	80	120			
WG303380LFB	LFB	06/15/11 1:57	II110601-2	.5		.535	mg/L	107	85	115			
L88419-01AS	AS	06/15/11 2:04	II110601-2	.5	U	.551	mg/L	110.2	85	115			
L88419-01ASD	ASD	06/15/11 2:07	II110601-2	.5	U	.554	mg/L	110.8	85	115	0.54	20	
WG303380CCV1	CCV	06/15/11 2:31	II110104-2	1		.94	mg/L	94	90	110			
WG303380CCB1	CCB	06/15/11 2:35				U	mg/L		-0.03	0.03			
WG303380CCV2	CCV	06/15/11 3:12	II110104-2	1		.97	mg/L	97	90	110			
WG303380CCB2	CCB	06/15/11 3:16				U	mg/L		-0.03	0.03			
WG303380CCV3	CCV	06/15/11 3:33	II110104-2	1		.97	mg/L	97	90	110			
WG303380CCB3	CCB	06/15/11 3:36				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88419-01	WG303832	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303743	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG304219	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303779	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303196	Residue, Non-Filterable (TSS) @105C	SM2540D	DF	Sample required dilution due to high sediment.
			SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303948	Sulfate	SM4500 SO4-D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303285	Sulfide as S	376.2 - Methylene Blue	DD	Sample required dilution due to matrix color or odor.
			376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	QD	Reported value is the background-corrected concentration, as described by the method.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88419-02	WG303832	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303743	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG304219	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303779	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303196	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303285	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	QD	Reported value is the background-corrected concentration, as described by the method.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: MW-5

Locator:

ACZ Sample ID: **L88419-01**

Date Sampled: 06/06/11 15:20

Date Received: 06/09/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/28/11 13:24		49	8.2	2.6	pCi/L	*	zsh
Gross Beta	06/28/11 13:24		39	4.9	4.6	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 17:15		0.0	4.7	11	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:36		0.36	0.11	0.37	pCi/L		mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/30/11 15:32		0.59	0.47	1.1	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:50		-0.2	0.42	0.63	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: MW-8

Locator:

ACZ Sample ID: **L88419-02**

Date Sampled: 06/06/11 16:59

Date Received: 06/09/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/28/11 13:25		0.5	4.2	5.3	pCi/L	*	zsh
Gross Beta	06/28/11 13:25		14	7.2	9.2	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 17:15		1	3.8	8.4	pCi/L	*	jjg

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:37		0.58	0.16	0.19	pCi/L		mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/30/11 15:32		1	0.53	1.2	pCi/L		jjg

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:51		-0.68	0.39	0.6	pCi/L	*	jjg

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Alpha M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304494																
WG304286PBW	PBW	06/28/11						.87	1.3	1.4			2.8			
WG304286LCSW	LCSW	06/28/11	RC110304-1	81.06				86	8	1.4	106.1	81	138			
L88422-01DUP	DUP-RE	06/28/11			3.8	2.6	2.1	3	2.3	2.1				0.23	2	
L88556-05DUP	DUP-RE	06/28/11			-0.13	1.3	1.9	1	1.8	1.9				0.51	2	
L88446-01MS	MS	06/28/11	RC110304-1	90.07	7.4	3.5	2.6	53	8.5	2.5	50.6	81	138			M2

Beta M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304494																
WG304286PBW	PBW	06/28/11						1.7	2.9	4			8			
WG304286LCSW	LCSW	06/28/11	RC110517-11	100				110	6.8	4	110	65	117			
L88422-01DUP	DUP-RE	06/28/11			3.1	3.1	4.1	5.8	2.9	4.1				0.64	2	
L88556-05DUP	DUP-RE	06/28/11			0.68	2.6	4.1	.33	3	4.1				0.09	2	
L88556-04MS	MS	06/28/11	RC110517-11	100	1.8	2.7	4.1	110	6.8	4.1	108.2	65	117			

Lead 210, dissolved EICHROM, OTW01 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304455																
WG303540PBW	PBW	06/27/11						2.1	2.9	6.4			12.8			
WG303540LCSW	LCSW	06/27/11	RC100623-1	75.04				43	5.2	8	57.3	47	101			
L88278-03MS	MS	06/28/11	RC100623-1	75.03	0.47	3.9	8.7	39	5.5	9.1	51.4	47	101			
L88417-05DUP	DUP-RE	06/28/11			0.74	4.3	9.6	0	4	8.6				0.13	2	
L88278-02DUP	DUP-RE	06/28/11			0	5.6	13	0	3.3	7.2				0	2	

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Project ID: PINON RIDGE

Radium 226, dissolved M903.1 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304087																
WG303447PBW	PBW	06/22/11						0	0.09	0.47			0.94			
WG303447LCSW	LCSW	06/22/11	RC100624-2	23.92				29	0.75	0.25	121.3	55	124			
L88457-02DUP	DUP-RE	06/22/11			0.14	0.07	0.09	.26	0.11	0.25				0.92	2	
L88325-01MS	MS	06/22/11	RC100624-2	23.92	0.03	0.15	0.41	25	0.66	0.42	104.4	55	124			

Radium 228, dissolved M904.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304717																
WG304363LCSW	LCSW	06/30/11	PCN35624	18.01				12	0.92	1.2	66.6	47	123			
WG304363PBW	PBW	06/30/11						.6	0.47	0.96			1.92			
L88338-01MS	MS	06/30/11	PCN35624	18.01	0.38	0.44	1	11	0.92	1.5	59	47	123			
L88338-02DUP	DUP-RE	06/30/11			0.37	0.47	1.2	.08	0.44	1.1				0.45	2	
L88446-01DUP	DUP-RE	06/30/11			0	0.39	1.5	.92	0.52	1.3				1.42	2	

Thorium 230, dissolved ESM 4506 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304085																
WG303348PBW	PBW	06/15/11						.76	0.48	0.58			1.16			
WG303348LCSW	LCSW	06/15/11	RC091215-1	162.12				170	4.5	0.6	104.9	89	123			
L88208-02DUP	DUP-RE	06/15/11			-0.15	0.37	0.6	-.37	0.44	0.62				0.38	2	
L88457-01DUP	DUP-RE	06/15/11			-0.24	0.35	0.58	-.19	0.32	0.6				0.11	2	
L88208-02MS	MS	06/15/11	RC091215-1	162.12	-0.15	0.37	0.6	170	4.4	0.6	105	89	123			

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88419-01	WG304494	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
L88419-02	WG304494	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.

Energy Fuels Resources Corporation

ACZ Project ID: **L88419**

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved	EICHROM, OTW01
Thorium 230, dissolved	ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S	376.2 - Methylene Blue
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Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88419
Date Received: 06/09/2011 09:28
Received By: ksj
Date Printed: 6/9/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
2778		1.7	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation
 PINON RIDGE

ACZ Project ID: L88419
 Date Received: 06/09/2011 09:28
 Received By: ksj
 Date Printed: 6/9/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L88419-01	MW-5		Y		Y				Y			☐
L88419-02	MW-8		Y		Y				Y			☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: ksj

June 27, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID:

ACZ Project ID: L88208

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 27, 2011. This project has been assigned to ACZ's project number, L88208. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L88208. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 27, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources Corporation

Project ID:

Sample ID: MW-6

ACZ Sample ID: **L88208-01**

Date Sampled: 05/26/11 18:15

Date Received: 05/27/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.06	0.3	06/07/11 20:12	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.03	B	*	mg/L	0.01	0.05	06/09/11 17:10	msh
Boron, dissolved	M200.7 ICP	2.51			mg/L	0.02	0.1	06/07/11 20:12	jjc
Calcium, dissolved	M200.7 ICP	184			mg/L	0.4	2	06/07/11 20:12	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.02	0.1	06/07/11 20:12	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.04	0.1	06/07/11 20:12	jjc
Lead, dissolved	M200.8 ICP-MS	0.036		*	mg/L	0.003	0.01	06/09/11 17:10	msh
Magnesium, dissolved	M200.7 ICP	366			mg/L	0.4	2	06/07/11 20:12	jjc
Manganese, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/07/11 20:12	jjc
Molybdenum, dissolved	M200.7 ICP		U		mg/L	0.02	0.1	06/07/11 20:12	jjc
Potassium, dissolved	M200.7 ICP	105			mg/L	0.6	3	06/07/11 20:12	jjc
Selenium, dissolved	M200.8 ICP-MS	0.526			mg/L	0.005	0.01	06/10/11 18:33	msh
Silica, dissolved	M200.7 ICP	9.9			mg/L	0.9	4	06/07/11 20:12	jjc
Sodium, dissolved	M200.7 ICP	231			mg/L	0.6	3	06/07/11 20:12	jjc
Uranium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.003	0.01	06/09/11 17:10	msh
Vanadium, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/07/11 20:12	jjc
Zinc, dissolved	M200.7 ICP		U		mg/L	0.02	0.1	06/07/11 20:12	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		386			mg/L	2	20	06/06/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Total Alkalinity		386			mg/L	2	20	06/06/11 0:00	cra
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.6			%			06/24/11 0:00	calc
Sum of Anions		47.6			meq/L	0.1	0.5	06/24/11 0:00	calc
Sum of Cations		52.2			meq/L	0.1	0.5	06/24/11 0:00	calc
Chloride	SM4500Cl-E	200		*	mg/L	10	50	06/15/11 11:50	mpb
Fluoride	SM4500F-C	0.4	B	*	mg/L	0.1	0.5	06/11/11 16:04	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved		U	*	mg/L	0.02	0.1	06/09/11 21:45	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1.01		*	mg/L	0.05	0.5	06/08/11 16:10	lhb
Residue, Filterable (TDS) @180C	SM2540C	3210			mg/L	10	20	06/02/11 11:02	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/02/11 14:25	cra
Sulfate	SM4500 SO ₄ -D	1630			mg/L	10	50	06/03/11 13:09	cra
Sulfide as S	376.2 - Methylene Blue	16.7		*	mg/L	0.8	4	05/28/11 16:04	cra
TDS (calculated)	Calculation	2960			mg/L	10	50	06/24/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.08						06/24/11 0:00	calc

Energy Fuels Resources Corporation

Project ID:

Sample ID: MW-7

ACZ Sample ID: **L88208-02**

Date Sampled: 05/26/11 10:30

Date Received: 05/27/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 20:16	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0073			mg/L	0.0005	0.002	06/09/11 17:19	msh
Boron, dissolved	M200.7 ICP	0.39			mg/L	0.01	0.05	06/07/11 20:16	jjc
Calcium, dissolved	M200.7 ICP	103			mg/L	0.2	1	06/07/11 20:16	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 20:16	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 20:16	jjc
Lead, dissolved	M200.8 ICP-MS	0.0008			mg/L	0.0001	0.0005	06/09/11 17:19	msh
Magnesium, dissolved	M200.7 ICP	86.2			mg/L	0.2	1	06/07/11 20:16	jjc
Manganese, dissolved	M200.7 ICP	0.010	B		mg/L	0.005	0.03	06/07/11 20:16	jjc
Molybdenum, dissolved	M200.7 ICP	0.03	B		mg/L	0.01	0.05	06/07/11 20:16	jjc
Potassium, dissolved	M200.7 ICP	16.6			mg/L	0.3	2	06/07/11 20:16	jjc
Selenium, dissolved	M200.8 ICP-MS	0.024			mg/L	0.002	0.005	06/10/11 18:36	msh
Silica, dissolved	M200.7 ICP	20.1			mg/L	0.4	2	06/07/11 20:16	jjc
Sodium, dissolved	M200.7 ICP	76.0			mg/L	0.3	2	06/07/11 20:16	jjc
Uranium, dissolved	M200.8 ICP-MS	0.0896			mg/L	0.0001	0.0005	06/09/11 17:19	msh
Vanadium, dissolved	M200.7 ICP	0.015	B		mg/L	0.005	0.03	06/07/11 20:16	jjc
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 20:16	jjc

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		202			mg/L	2	20	06/06/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Total Alkalinity		202			mg/L	2	20	06/06/11 0:00	cra
Cation-Anion Balance	Calculation								
Cation-Anion Balance		2.2			%			06/24/11 0:00	calc
Sum of Anions		15.3			meq/L	0.1	0.5	06/24/11 0:00	calc
Sum of Cations		16.0			meq/L	0.1	0.5	06/24/11 0:00	calc
Chloride	SM4500Cl-E	25		*	mg/L	1	5	06/15/11 11:33	mpb
Fluoride	SM4500F-C	0.4	B		mg/L	0.1	0.5	06/14/11 14:39	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	1.04		*	mg/L	0.02	0.1	06/09/11 21:46	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/08/11 16:12	lhb
Residue, Filterable (TDS) @180C	SM2540C	980			mg/L	10	20	06/02/11 11:04	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D	5	B	*	mg/L	5	20	06/02/11 14:25	cra
Sulfate	SM4500 SO ₄ -D	500			mg/L	10	50	06/03/11 13:12	cra
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	05/28/11 16:06	cra
TDS (calculated)	Calculation	949			mg/L	10	50	06/24/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						06/24/11 0:00	calc

Energy Fuels Resources Corporation

Project ID:

Sample ID: DUP052611

ACZ Sample ID: **L88208-03**

Date Sampled: 05/26/11 00:00

Date Received: 05/27/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 13:38	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.02	B	*	mg/L	0.01	0.05	06/09/11 17:21	msh
Barium, dissolved	M200.7 ICP	0.018	B		mg/L	0.003	0.02	06/07/11 13:38	aeb
Boron, dissolved	M200.7 ICP	2.41			mg/L	0.01	0.05	06/07/11 13:38	aeb
Cadmium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.003	0.01	06/09/11 17:21	msh
Calcium, dissolved	M200.7 ICP	183			mg/L	0.2	1	06/07/11 13:38	aeb
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.005	0.03	06/09/11 17:21	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 13:38	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 13:38	aeb
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 13:38	aeb
Lead, dissolved	M200.8 ICP-MS	0.032		*	mg/L	0.003	0.01	06/09/11 17:21	msh
Magnesium, dissolved	M200.7 ICP	378			mg/L	0.2	1	06/07/11 13:38	aeb
Manganese, dissolved	M200.7 ICP	0.019	B		mg/L	0.005	0.03	06/07/11 13:38	aeb
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/14/11 18:21	erf
Molybdenum, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/07/11 13:38	aeb
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 13:38	aeb
Potassium, dissolved	M200.7 ICP	105			mg/L	0.3	2	06/07/11 13:38	aeb
Selenium, dissolved	M200.8 ICP-MS	0.420			mg/L	0.005	0.01	06/10/11 18:39	msh
Silica, dissolved	M200.7 ICP	9.7			mg/L	0.4	2	06/07/11 13:38	aeb
Sodium, dissolved	M200.7 ICP	224			mg/L	0.3	2	06/07/11 13:38	aeb
Uranium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.003	0.01	06/09/11 17:21	msh
Vanadium, dissolved	M200.7 ICP	0.008	B		mg/L	0.005	0.03	06/07/11 13:38	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 13:38	aeb

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302785													
WG302785PBW1	PBW	06/06/11 12:11				U	mg/L		-20	20			
WG302785LCSW2	LCSW	06/06/11 12:23	WC110601-1	820.0001		765.5	mg/L	93.4	90	110			
WG302785PBW2	PBW	06/06/11 15:29				U	mg/L		-20	20			
WG302785LCSW5	LCSW	06/06/11 15:43	WC110601-1	820.0001		767.5	mg/L	93.6	90	110			
L88230-02DUP	DUP	06/06/11 19:01			22	22	mg/L				0	20	
WG302785PBW3	PBW	06/06/11 19:07				U	mg/L		-20	20			
WG302785LCSW8	LCSW	06/06/11 19:20	WC110601-1	820.0001		773.5	mg/L	94.3	90	110			
WG302785PBW4	PBW	06/06/11 22:31				U	mg/L		-20	20			
WG302785LCSW11	LCSW	06/06/11 22:43	WC110601-1	820.0001		777	mg/L	94.8	90	110			
WG302785LCSW14	LCSW	06/07/11 0:57	WC110601-1	820.0001		779.9	mg/L	95.1	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.923	mg/L	96.2	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.09	0.09			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.15		.18	mg/L	120	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	200.15		196.313	mg/L	98.1	1	200			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	1		.967	mg/L	96.7	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	1	.04	.995	mg/L	95.5	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	1	.04	1.011	mg/L	97.1	85	115	1.6	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.944	mg/L	94.4	90	110			
WG302882CCB1	CCB	06/07/11 13:50				.034	mg/L		-0.09	0.09			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.955	mg/L	95.5	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.09	0.09			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.944	mg/L	94.4	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.09	0.09			
WG302872													
WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		1.929	mg/L	96.5	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.09	0.09			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.15		.145	mg/L	96.7	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	200.15		196.036	mg/L	97.9	1	200			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	1		.994	mg/L	99.4	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	1	U	.993	mg/L	99.3	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	1	U	.988	mg/L	98.8	85	115	0.5	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.974	mg/L	97.4	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.09	0.09			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.97	mg/L	97	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.09	0.09			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.98	mg/L	98	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.09	0.09			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303091													
WG303091ICV	ICV	06/09/11 16:55	MS110414-1	.05		.04891	mg/L	97.8	90	110			
WG303091ICB	ICB	06/09/11 16:58				U	mg/L		-0.0011	0.0011			
WG303091PQV	PQV	06/09/11 17:01	MS110513-2	.002002		.00181	mg/L	90.4	70	130			
WG303091LFB	LFB	06/09/11 17:04	MS110523-2	.05005		.04873	mg/L	97.4	85	115			
L88208-01AS	AS	06/09/11 17:13	MS110523-2	1.25125	.03	1.142	mg/L	88.9	70	130			
L88208-01ASD	ASD	06/09/11 17:16	MS110523-2	1.25125	.03	1.151	mg/L	89.6	70	130	0.78	20	
WG303091CCV1	CCV	06/09/11 17:27	MS110603-4	.25025		.2516	mg/L	100.5	90	110			
WG303091CCB1	CCB	06/09/11 17:30				U	mg/L		-0.0015	0.0015			
WG303091CCV2	CCV	06/09/11 18:02	MS110603-4	.25025		.2462	mg/L	98.4	90	110			
WG303091CCB2	CCB	06/09/11 18:05				U	mg/L		-0.0015	0.0015			
WG303091CCV3	CCV	06/09/11 18:34	MS110603-4	.25025		.2296	mg/L	91.7	90	110			
WG303091CCB3	CCB	06/09/11 18:37				U	mg/L		-0.0015	0.0015			

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.9931	mg/L	99.7	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.009	0.009			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.015		.0113	mg/L	75.3	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.0936	mg/L	93.6	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.4732	mg/L	94.6	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	.054	.5428	mg/L	97.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	.054	.5455	mg/L	98.3	85	115	0.5	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.9716	mg/L	97.2	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.009	0.009			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.9734	mg/L	97.3	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.009	0.009			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.966	mg/L	96.6	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.009	0.009			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		2.053	mg/L	102.7	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05005		.045	mg/L	89.9	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1001		.106	mg/L	105.9	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5005		.5	mg/L	99.9	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5005	.07	.582	mg/L	102.3	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5005	.07	.577	mg/L	101.3	85	115	0.86	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		1.005	mg/L	100.5	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		1	mg/L	100	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.997	mg/L	99.7	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		2.067	mg/L	103.4	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.03	0.03			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.05005		.06	mg/L	119.9	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	.1001		.115	mg/L	114.9	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5005		.522	mg/L	104.3	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5005	.25	.757	mg/L	101.3	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5005	.25	.755	mg/L	100.9	85	115	0.26	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		1.044	mg/L	104.4	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.03	0.03			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		1.064	mg/L	106.4	90	110			
WG302872CCB2	CCB	06/07/11 21:18				.014	mg/L		-0.03	0.03			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		1.04	mg/L	104	90	110			
WG302872CCB3	CCB	06/07/11 21:42				.012	mg/L		-0.03	0.03			

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303091													
WG303091ICV	ICV	06/09/11 16:55	MS110414-1	.05		.05068	mg/L	101.4	90	110			
WG303091ICB	ICB	06/09/11 16:58				U	mg/L		-0.00022	0.00022			
WG303091PQV	PQV	06/09/11 17:01	MS110513-2	.000501		.00048	mg/L	95.8	70	130			
WG303091LFB	LFB	06/09/11 17:04	MS110523-2	.0501		.05124	mg/L	102.3	85	115			
L88208-01AS	AS	06/09/11 17:13	MS110523-2	1.2525	U	1.2155	mg/L	97	70	130			
L88208-01ASD	ASD	06/09/11 17:16	MS110523-2	1.2525	U	1.2545	mg/L	100.2	70	130	3.16	20	
WG303091CCV1	CCV	06/09/11 17:27	MS110603-4	.1002		.1001	mg/L	99.9	90	110			
WG303091CCB1	CCB	06/09/11 17:30				U	mg/L		-0.0003	0.0003			
WG303091CCV2	CCV	06/09/11 18:02	MS110603-4	.1002		.09977	mg/L	99.6	90	110			
WG303091CCB2	CCB	06/09/11 18:05				U	mg/L		-0.0003	0.0003			
WG303091CCV3	CCV	06/09/11 18:34	MS110603-4	.1002		.09914	mg/L	98.9	90	110			
WG303091CCB3	CCB	06/09/11 18:37				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	100		99.12	mg/L	99.1	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.6	0.6			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	1		1.04	mg/L	104	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	201		205.79	mg/L	102.4	1	200			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	67.99734		66.82	mg/L	98.3	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	67.99734	93.2	159.89	mg/L	98.1	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	67.99734	93.2	157.34	mg/L	94.3	85	115	1.61	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	50		48.2	mg/L	96.4	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.6	0.6			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	50		48.13	mg/L	96.3	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.6	0.6			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	50		48.38	mg/L	96.8	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.6	0.6			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	100		99.56	mg/L	99.6	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.6	0.6			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	1		1.06	mg/L	106	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	201		199.2	mg/L	99.1	1	200			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	67.99734		69.02	mg/L	101.5	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	67.99734	63.2	130.21	mg/L	98.5	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	67.99734	63.2	129.55	mg/L	97.6	85	115	0.51	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	50		48.65	mg/L	97.3	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.6	0.6			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	50		49.14	mg/L	98.3	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.6	0.6			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	50		48.64	mg/L	97.3	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.6	0.6			

Cesium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303091													
WG303091ICV	ICV	06/09/11 16:55	MS110414-1	.05		.05225	mg/L	104.5	90	110			
WG303091ICB	ICB	06/09/11 16:58				U	mg/L		-0.00044	0.00044			
WG303091PQV	PQV	06/09/11 17:01	MS110513-2	.001		.00085	mg/L	85	70	130			
WG303091LFB	LFB	06/09/11 17:04	MS110523-2	.05		.05238	mg/L	104.8	85	115			
L88208-01AS	AS	06/09/11 17:13	MS110523-2	1.25	U	1.25	mg/L	100	70	130			
L88208-01ASD	ASD	06/09/11 17:16	MS110523-2	1.25	U	1.2888	mg/L	103.1	70	130	3.06	20	
WG303091CCV1	CCV	06/09/11 17:27	MS110603-4	.1		.1002	mg/L	100.2	90	110			
WG303091CCB1	CCB	06/09/11 17:30				U	mg/L		-0.0006	0.0006			
WG303091CCV2	CCV	06/09/11 18:02	MS110603-4	.1		.09909	mg/L	99.1	90	110			
WG303091CCB2	CCB	06/09/11 18:05				U	mg/L		-0.0006	0.0006			
WG303091CCV3	CCV	06/09/11 18:34	MS110603-4	.1		.1021	mg/L	102.1	90	110			
WG303091CCB3	CCB	06/09/11 18:37				U	mg/L		-0.0006	0.0006			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Chloride		SM4500Cl-E											
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303452													
WG303452ICB	ICB	06/15/11 11:11				U	mg/L		-3	3			
WG303452ICV	ICV	06/15/11 11:11	WI101005-3	55.165		59	mg/L	107	90	110			
WG303452CCB1	CCB	06/15/11 11:32				U	mg/L		-3	3			
WG303452CCV1	CCV	06/15/11 11:32	WI110325-1	50		50.6	mg/L	101.2	90	110			
WG303452LFB1	LFB	06/15/11 11:32	WI110322-1	30		33	mg/L	110	90	110			
WG303452CCB2	CCB	06/15/11 11:34				U	mg/L		-3	3			
WG303452CCV2	CCV	06/15/11 11:34	WI110325-1	50		50.7	mg/L	101.4	90	110			
WG303452CCB3	CCB	06/15/11 11:41				U	mg/L		-3	3			
WG303452CCV3	CCV	06/15/11 11:41	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452LFB2	LFB	06/15/11 11:41	WI110322-1	30		32.1	mg/L	107	90	110			
WG303452CCB4	CCB	06/15/11 11:42				U	mg/L		-3	3			
WG303452CCV4	CCV	06/15/11 11:42	WI110325-1	50		50.7	mg/L	101.4	90	110			
WG303452CCB5	CCB	06/15/11 11:43				U	mg/L		-3	3			
WG303452CCV5	CCV	06/15/11 11:43	WI110325-1	50		50.6	mg/L	101.2	90	110			
L88171-01AS	AS	06/15/11 11:50	CL10X	30	540	547	mg/L	23.3	90	110			M3
WG303452CCB6	CCB	06/15/11 11:50				U	mg/L		-3	3			
WG303452CCV6	CCV	06/15/11 11:50	WI110325-1	50		51	mg/L	102	90	110			
WG303452CCB7	CCB	06/15/11 11:56				U	mg/L		-3	3			
WG303452CCV7	CCV	06/15/11 11:56	WI110325-1	50		50.6	mg/L	101.2	90	110			
WG303452CCB8	CCB	06/15/11 11:57				U	mg/L		-3	3			
WG303452CCV8	CCV	06/15/11 11:57	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452CCB9	CCB	06/15/11 12:17				U	mg/L		-3	3			
WG303452CCV9	CCV	06/15/11 12:17	WI110325-1	50		50.6	mg/L	101.2	90	110			
WG303452CCB10	CCB	06/15/11 12:18				U	mg/L		-3	3			
WG303452CCV10	CCV	06/15/11 12:18	WI110325-1	50		50.9	mg/L	101.8	90	110			
WG303452CCB11	CCB	06/15/11 12:19				U	mg/L		-3	3			
WG303452CCV11	CCV	06/15/11 12:19	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452CCB12	CCB	06/15/11 12:26				U	mg/L		-3	3			
WG303452CCV12	CCV	06/15/11 12:26	WI110325-1	50		50.2	mg/L	100.4	90	110			
L88171-02DUP	DUP	06/15/11 12:28			1390	1416	mg/L				1.9	20	
WG303452CCB13	CCB	06/15/11 12:28				U	mg/L		-3	3			
WG303452CCV13	CCV	06/15/11 12:28	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452CCB14	CCB	06/15/11 13:16				U	mg/L		-3	3			
WG303452CCV14	CCV	06/15/11 13:16	WI110325-1	50		50.4	mg/L	100.8	90	110			
WG303452CCB15	CCB	06/15/11 13:16				U	mg/L		-3	3			
WG303452CCV15	CCV	06/15/11 13:16	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452CCB16	CCB	06/15/11 14:20				U	mg/L		-3	3			
WG303452CCV16	CCV	06/15/11 14:20	WI110325-1	50		50.5	mg/L	101	90	110			
WG303452CCB17	CCB	06/15/11 14:21				U	mg/L		-3	3			
WG303452CCV17	CCV	06/15/11 14:21	WI110325-1	50		50.6	mg/L	101.2	90	110			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Chromium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.989	mg/L	99.5	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.042	mg/L	84	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.118	mg/L	118	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.481	mg/L	96.2	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	U	.509	mg/L	101.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	U	.506	mg/L	101.2	85	115	0.59	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.967	mg/L	96.7	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.966	mg/L	96.6	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.963	mg/L	96.3	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.923	mg/L	96.2	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.05	mg/L	100	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.092	mg/L	92	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.478	mg/L	95.6	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	.47	.939	mg/L	93.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	.47	.934	mg/L	92.8	85	115	0.53	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.943	mg/L	94.3	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.936	mg/L	93.6	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.924	mg/L	92.4	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		1.946	mg/L	97.3	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.03	0.03			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.05		.049	mg/L	98	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	.1		.094	mg/L	94	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5		.493	mg/L	98.6	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5	U	.506	mg/L	101.2	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5	U	.502	mg/L	100.4	85	115	0.79	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.979	mg/L	97.9	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.03	0.03			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.971	mg/L	97.1	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.03	0.03			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.966	mg/L	96.6	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Fluoride		SM4500F-C											
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303221													
WG303221ICV	ICV	06/11/11 15:00	WC110608-1	2		1.94	mg/L	97	95	105			
WG303221ICB	ICB	06/11/11 15:07				U	mg/L		-0.3	0.3			
WG303221PQV	PQV	06/11/11 15:10	WC110414-3	.5		.49	mg/L	98	70	130			
WG303221LFB1	LFB	06/11/11 15:13	WC110414-4	5		4.76	mg/L	95.2	90	110			
L88148-01AS	AS	06/11/11 15:19	WC110414-4	5	.4	5.02	mg/L	92.4	90	110			
L88148-01DUP	DUP	06/11/11 15:23			.4	.34	mg/L				16.2	20	RA
WG303221CCV1	CCV	06/11/11 15:53	WC110608-1	2		1.94	mg/L	97	90	110			
WG303221CCB1	CCB	06/11/11 16:00				U	mg/L		-0.3	0.3			
WG303221CCV2	CCV	06/11/11 16:43	WC110608-1	2		1.99	mg/L	99.5	90	110			
WG303221CCB2	CCB	06/11/11 16:50				U	mg/L		-0.3	0.3			
WG303221LFB2	LFB	06/11/11 17:18	WC110414-4	5		4.73	mg/L	94.6	90	110			
WG303221CCV3	CCV	06/11/11 17:33	WC110608-1	2		1.96	mg/L	98	90	110			
WG303221CCB3	CCB	06/11/11 17:41				U	mg/L		-0.3	0.3			
WG303221CCV4	CCV	06/11/11 18:26	WC110608-1	2		2.01	mg/L	100.5	90	110			
WG303221CCB4	CCB	06/11/11 18:34				U	mg/L		-0.3	0.3			
WG303221CCV5	CCV	06/11/11 19:27	WC110608-1	2		1.99	mg/L	99.5	90	110			
WG303221CCB5	CCB	06/11/11 19:34				U	mg/L		-0.3	0.3			
WG303221CCV6	CCV	06/11/11 19:45	WC110608-1	2		2.01	mg/L	100.5	90	110			
WG303221CCB6	CCB	06/11/11 19:52				U	mg/L		-0.3	0.3			
WG303346													
WG303346ICV	ICV	06/14/11 14:08	WC110614-1	2		1.92	mg/L	96	95	105			
WG303346ICB	ICB	06/14/11 14:29				U	mg/L		-0.3	0.3			
WG303346PQV	PQV	06/14/11 14:32	WC110414-3	.5		.5	mg/L	100	70	130			
WG303346LFB1	LFB	06/14/11 14:35	WC110414-4	5		4.8	mg/L	96	90	110			
L88238-01DUP	DUP	06/14/11 14:48			1.1	1.11	mg/L				0.9	20	
L88238-01AS	AS	06/14/11 14:51	WC110414-4	5	1.1	6.01	mg/L	98.2	90	110			
WG303346CCV1	CCV	06/14/11 15:12	WC110614-1	2		1.99	mg/L	99.5	90	110			
WG303346CCB1	CCB	06/14/11 15:19				U	mg/L		-0.3	0.3			
WG303346CCV2	CCV	06/14/11 16:10	WC110614-1	2		2.01	mg/L	100.5	90	110			
WG303346CCB2	CCB	06/14/11 16:17				U	mg/L		-0.3	0.3			
WG303346LFB2	LFB	06/14/11 16:45	WC110414-4	5		4.78	mg/L	95.6	90	110			
WG303346CCV3	CCV	06/14/11 16:58	WC110614-1	2		1.97	mg/L	98.5	90	110			
WG303346CCB3	CCB	06/14/11 17:05				U	mg/L		-0.3	0.3			
WG303346CCV4	CCV	06/14/11 17:51	WC110614-1	2		2	mg/L	100	90	110			
WG303346CCB4	CCB	06/14/11 17:59				U	mg/L		-0.3	0.3			
WG303346CCV5	CCV	06/14/11 18:36	WC110614-1	2		1.98	mg/L	99	90	110			
WG303346CCB5	CCB	06/14/11 18:44				U	mg/L		-0.3	0.3			
WG303346CCV6	CCV	06/14/11 18:54	WC110614-1	2		2.02	mg/L	101	90	110			
WG303346CCB6	CCB	06/14/11 19:02				U	mg/L		-0.3	0.3			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.979	mg/L	99	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.06	0.06			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.046	mg/L	92	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	200.05		199.996	mg/L	100	1	200			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	1		.996	mg/L	99.6	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	1	.07	1.099	mg/L	102.9	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	1	.07	1.09	mg/L	102	85	115	0.82	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.962	mg/L	96.2	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.06	0.06			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.962	mg/L	96.2	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.06	0.06			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.966	mg/L	96.6	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.06	0.06			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		2.022	mg/L	101.1	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.06	0.06			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.05		.05	mg/L	100	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	200.05		196.964	mg/L	98.5	1	200			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	1		1.02	mg/L	102	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	1	U	1.062	mg/L	106.2	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	1	U	1.062	mg/L	106.2	85	115	0	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.998	mg/L	99.8	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.06	0.06			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.998	mg/L	99.8	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.06	0.06			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.988	mg/L	98.8	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.06	0.06			

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303091													
WG303091ICV	ICV	06/09/11 16:55	MS110414-1	.05		.04916	mg/L	98.3	90	110			
WG303091ICB	ICB	06/09/11 16:58				.00019	mg/L		-0.00022	0.00022			
WG303091PQV	PQV	06/09/11 17:01	MS110513-2	.0005005		.00045	mg/L	89.9	70	130			
WG303091LFB	LFB	06/09/11 17:04	MS110523-2	.05005		.05226	mg/L	104.4	85	115			
L88208-01AS	AS	06/09/11 17:13	MS110523-2	1.25125	.036	1.3125	mg/L	102	70	130			
L88208-01ASD	ASD	06/09/11 17:16	MS110523-2	1.25125	.036	1.3455	mg/L	104.7	70	130	2.48	20	
WG303091CCV1	CCV	06/09/11 17:27	MS110603-4	.25025		.2479	mg/L	99.1	90	110			
WG303091CCB1	CCB	06/09/11 17:30				.00011	mg/L		-0.0003	0.0003			
WG303091CCV2	CCV	06/09/11 18:02	MS110603-4	.25025		.249	mg/L	99.5	90	110			
WG303091CCB2	CCB	06/09/11 18:05				U	mg/L		-0.0003	0.0003			
WG303091CCV3	CCV	06/09/11 18:34	MS110603-4	.25025		.2531	mg/L	101.1	90	110			
WG303091CCB3	CCB	06/09/11 18:37				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	100		103.58	mg/L	103.6	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.6	0.6			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	1		.83	mg/L	83	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	201		220.29	mg/L	109.6	1	200			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	50.00321		49.95	mg/L	99.9	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	50.00321	22.3	75.51	mg/L	106.4	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	50.00321	22.3	74.79	mg/L	105	85	115	0.96	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	50		48.98	mg/L	98	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.6	0.6			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	50		48.92	mg/L	97.8	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.6	0.6			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	50		49.07	mg/L	98.1	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.6	0.6			
WG302872													
WG302872ICV	ICV	06/07/11 19:40	II110104-1	100		103.74	mg/L	103.7	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.6	0.6			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	1		.89	mg/L	89	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	201		212.37	mg/L	105.7	1	200			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	50.00321		51.59	mg/L	103.2	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	50.00321	8.1	61.29	mg/L	106.4	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	50.00321	8.1	60.82	mg/L	105.4	85	115	0.77	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	50		49.47	mg/L	98.9	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.6	0.6			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	50		50.11	mg/L	100.2	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.6	0.6			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	50		49.3	mg/L	98.6	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.9331	mg/L	96.7	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.015	0.015			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.025		.0219	mg/L	87.6	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	50.025		46.0059	mg/L	92	1	200			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.4966	mg/L	99.3	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	.258	.7521	mg/L	98.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	.258	.7526	mg/L	98.9	85	115	0.07	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.9513	mg/L	95.1	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.015	0.015			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.9534	mg/L	95.3	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.015	0.015			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.9452	mg/L	94.5	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.015	0.015			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		1.9444	mg/L	97.2	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.015	0.015			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.025		.0252	mg/L	100.8	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	50.025		45.6731	mg/L	91.3	1	200			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5		.5108	mg/L	102.2	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5	U	.5177	mg/L	103.5	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5	U	.5156	mg/L	103.1	85	115	0.41	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.9838	mg/L	98.4	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.015	0.015			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.9785	mg/L	97.9	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.015	0.015			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.9658	mg/L	96.6	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.015	0.015			

Mercury, dissolved

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303257													
WG303257ICV	ICV	06/14/11 15:32	II110607-1	.005015		.00489	mg/L	97.5	95	105			
WG303257ICB	ICB	06/14/11 15:34				U	mg/L		-0.0002	0.0002			
WG303313													
WG303313CCV1	CCV	06/14/11 18:08	II110607-1	.005015		.00538	mg/L	107.3	90	110			
WG303313CCB1	CCB	06/14/11 18:10				U	mg/L		-0.0002	0.0002			
WG303313LRB	LRB	06/14/11 18:13				U	mg/L		-0.00044	0.00044			
WG303313LFB	LFB	06/14/11 18:15	II110613-3	.002002		.00209	mg/L	104.4	85	115			
L88277-03LFB	LFB	06/14/11 18:30	II110613-3	.002002	U	.00197	mg/L	98.4	85	115			
L88277-03LFMD	LFMD	06/14/11 18:32	II110613-3	.002002	U	.00213	mg/L	106.4	85	115	7.8	20	
WG303313CCV2	CCV	06/14/11 18:34	II110607-1	.005015		.00535	mg/L	106.7	90	110			
WG303313CCB2	CCB	06/14/11 18:36				U	mg/L		-0.0002	0.0002			
WG303313CCV3	CCV	06/14/11 19:01	II110607-1	.005015		.00541	mg/L	107.9	90	110			
WG303313CCB3	CCB	06/14/11 19:03				U	mg/L		-0.0002	0.0002			
WG303313CCV4	CCV	06/14/11 19:16	II110607-1	.005015		.00546	mg/L	108.9	90	110			
WG303313CCB4	CCB	06/14/11 19:19				U	mg/L		-0.0002	0.0002			
WG303313CCV5	CCV	06/14/11 19:33	II110607-1	.005015		.00537	mg/L	107.1	90	110			
WG303313CCB5	CCB	06/14/11 19:36				U	mg/L		-0.0002	0.0002			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.997	mg/L	99.9	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.053	mg/L	106	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.11	mg/L	110	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.492	mg/L	98.4	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	.02	.519	mg/L	99.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	.02	.535	mg/L	103	85	115	3.04	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.96	mg/L	96	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.968	mg/L	96.8	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.971	mg/L	97.1	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		2.023	mg/L	101.2	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.03	0.03			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.05		.047	mg/L	94	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	.1		.103	mg/L	103	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5		.516	mg/L	103.2	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5	.01	.529	mg/L	103.8	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5	.01	.546	mg/L	107.2	85	115	3.16	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.992	mg/L	99.2	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.03	0.03			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.997	mg/L	99.7	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.03	0.03			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.994	mg/L	99.4	90	110			
WG302872CCB3	CCB	06/07/11 21:42				.013	mg/L		-0.03	0.03			

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2.002		2.011	mg/L	100.4	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.052	mg/L	104	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.09	mg/L	90	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.489	mg/L	97.8	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	U	.524	mg/L	104.8	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	U	.52	mg/L	104	85	115	0.77	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1.001		.981	mg/L	98	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1.001		.97	mg/L	96.9	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1.001		.987	mg/L	98.6	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303136													
WG303136ICV	ICV	06/09/11 18:33	WI110330-1	2.416		2.325	mg/L	96.2	90	110			
WG303136ICB	ICB	06/09/11 18:34				U	mg/L		-0.06	0.06			
WG303141													
WG303141CCV1	CCV	06/09/11 21:33	WI110602-3	2		2.025	mg/L	101.3	90	110			
WG303141CCB1	CCB	06/09/11 21:34				U	mg/L		-0.06	0.06			
WG303141LFB1	LFB	06/09/11 21:35	WI110322-5	2		2.008	mg/L	100.4	90	110			
L88163-01AS	AS	06/09/11 21:37	WI110322-5	2	U	2.059	mg/L	103	90	110			
L88163-02DUP	DUP	06/09/11 21:40			U	U	mg/L				0	20	RA
WG303141CCV2	CCV	06/09/11 21:47	WI110602-3	2		2.01	mg/L	100.5	90	110			
WG303141CCB2	CCB	06/09/11 21:48				U	mg/L		-0.06	0.06			
WG303141CCV3	CCV	06/09/11 22:01	WI110602-3	2		2.033	mg/L	101.7	90	110			
WG303141CCB3	CCB	06/09/11 22:02				U	mg/L		-0.06	0.06			
WG303141LFB2	LFB	06/09/11 22:09	WI110322-5	2		1.986	mg/L	99.3	90	110			
WG303141CCV4	CCV	06/09/11 22:15	WI110602-3	2		2.037	mg/L	101.9	90	110			
WG303141CCB4	CCB	06/09/11 22:16				U	mg/L		-0.06	0.06			
WG303141CCV5	CCV	06/09/11 22:29	WI110602-3	2		2.034	mg/L	101.7	90	110			
WG303141CCB5	CCB	06/09/11 22:31				U	mg/L		-0.06	0.06			
WG303141CCV6	CCV	06/09/11 22:40	WI110602-3	2		2.029	mg/L	101.5	90	110			
WG303141CCB6	CCB	06/09/11 22:41				U	mg/L		-0.06	0.06			

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302954													
WG302954ICV	ICV	06/08/11 10:38	WI101121-1	1.004		1.002	mg/L	99.8	90	110			
WG302954ICB	ICB	06/08/11 10:41				U	mg/L		-0.15	0.15			
WG303027													
WG303027CCV1	CCV	06/08/11 16:07	WI100902-1	2		1.982	mg/L	99.1	90	110			
WG303027CCB1	CCB	06/08/11 16:08				U	mg/L		-0.15	0.15			
WG303027LFB1	LFB	06/08/11 16:09	WI110211-5	1		1.016	mg/L	101.6	90	110			
L88208-01AS	AS	06/08/11 16:11	WI110211-5	1	1.01	1.982	mg/L	97.2	90	110			
L88208-02DUP	DUP	06/08/11 16:13			U	U	mg/L				0	20	RA
WG303027CCV2	CCV	06/08/11 16:20	WI100902-1	2		1.983	mg/L	99.2	90	110			
WG303027CCB2	CCB	06/08/11 16:21				U	mg/L		-0.15	0.15			
WG303027CCV3	CCV	06/08/11 16:33	WI100902-1	2		1.964	mg/L	98.2	90	110			
WG303027CCB3	CCB	06/08/11 16:34				U	mg/L		-0.15	0.15			
WG303027LFB2	LFB	06/08/11 16:41	WI110211-5	1		.977	mg/L	97.7	90	110			
WG303027CCV4	CCV	06/08/11 16:46	WI100902-1	2		1.998	mg/L	99.9	90	110			
WG303027CCB4	CCB	06/08/11 16:47				U	mg/L		-0.15	0.15			
WG303027CCV5	CCV	06/08/11 16:59	WI100902-1	2		2.131	mg/L	106.6	90	110			
WG303027CCB5	CCB	06/08/11 17:00				U	mg/L		-0.15	0.15			
WG303027CCV6	CCV	06/08/11 17:13	WI100902-1	2		1.992	mg/L	99.6	90	110			
WG303027CCB6	CCB	06/08/11 17:14				U	mg/L		-0.15	0.15			
WG303027CCV7	CCV	06/08/11 17:22	WI100902-1	2		2.035	mg/L	101.8	90	110			
WG303027CCB7	CCB	06/08/11 17:24				U	mg/L		-0.15	0.15			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	20		20.15	mg/L	100.8	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.9	0.9			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	1.5		1.51	mg/L	100.7	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	1.5		1.43	mg/L	95.3	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	100.0031		98.64	mg/L	98.6	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	100.0031	16.1	117.78	mg/L	101.7	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	100.0031	16.1	116.99	mg/L	100.9	85	115	0.67	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	10		10.11	mg/L	101.1	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.9	0.9			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	10		9.87	mg/L	98.7	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.9	0.9			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	10		9.68	mg/L	96.8	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.9	0.9			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	20		20.08	mg/L	100.4	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.9	0.9			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	1.5		1.57	mg/L	104.7	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	1.5		1.49	mg/L	99.3	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	100.0031		102.42	mg/L	102.4	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	100.0031	1.1	104.24	mg/L	103.1	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	100.0031	1.1	104.05	mg/L	102.9	85	115	0.18	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	10		10.08	mg/L	100.8	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.9	0.9			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	10		10.34	mg/L	103.4	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.9	0.9			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	10		10.21	mg/L	102.1	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.9	0.9			

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302619													
WG302619PBW	PBW	06/02/11 10:45				U	mg/L		-20	20			
WG302619LCSW	LCSW	06/02/11 10:46	PCN36813	260		268	mg/L	103.1	80	120			
L88210-01DUP	DUP	06/02/11 11:08			270	254	mg/L				6.1	20	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302653													
WG302653PBW	PBW	06/02/11 14:23				U	mg/L		-15	15			
WG302653LCSW	LCSW	06/02/11 14:23	PCN37134	160		153	mg/L	95.6	80	120			
L88208-02DUP	DUP	06/02/11 14:25			5	U	mg/L				0	20	RA

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303179													
WG303179ICV	ICV	06/10/11 18:22	MS110414-1	.05		.05396	mg/L	107.9	90	110			
WG303179ICB	ICB	06/10/11 18:25				U	mg/L		-0.00022	0.00022			
WG303179PQV	PQV	06/10/11 18:27	MS110513-2	.00025025		.00024	mg/L	95.9	70	130			
WG303179LFB	LFB	06/10/11 18:30	MS110523-2	.05005		.04556	mg/L	91	85	115			
L88283-03AS	AS	06/10/11 18:51	MS110523-2	.05005	.0003	.04952	mg/L	98.3	70	130			
WG303179CCV1	CCV	06/10/11 18:53	MS110603-4	.25025		.2538	mg/L	101.4	90	110			
WG303179CCB1	CCB	06/10/11 18:56				U	mg/L		-0.0003	0.0003			
L88283-03ASD	ASD	06/10/11 18:59	MS110523-2	.05005	.0003	.04947	mg/L	98.2	70	130	0.1	20	
WG303179CCV2	CCV	06/10/11 19:28	MS110603-4	.25025		.2474	mg/L	98.9	90	110			
WG303179CCB2	CCB	06/10/11 19:31				U	mg/L		-0.0003	0.0003			
WG303179CCV3	CCV	06/10/11 19:54	MS110603-4	.25025		.2453	mg/L	98	90	110			
WG303179CCB3	CCB	06/10/11 19:57				U	mg/L		-0.0003	0.0003			

Silica, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	42.8		41.04	mg/L	95.9	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-1.2	1.2			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	2.14		1.92	mg/L	89.7	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	2.14		1.95	mg/L	91.1	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	21.4		20.22	mg/L	94.5	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	21.4	16.6	36.55	mg/L	93.2	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	21.4	16.6	36.72	mg/L	94	85	115	0.46	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	21.4		20.16	mg/L	94.2	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-1.2	1.2			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	21.4		20.3	mg/L	94.9	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-1.2	1.2			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	21.4		20.1	mg/L	93.9	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-1.2	1.2			
WG302872													
WG302872ICV	ICV	06/07/11 19:40	II110104-1	42.8		41	mg/L	95.8	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-1.2	1.2			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	2.14		2.02	mg/L	94.4	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	2.14		1.97	mg/L	92.1	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	21.4		20.43	mg/L	95.5	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	21.4	20.4	40.16	mg/L	92.3	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	21.4	20.4	40.18	mg/L	92.4	85	115	0.05	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	21.4		20.76	mg/L	97	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-1.2	1.2			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	21.4		20.68	mg/L	96.6	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-1.2	1.2			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	21.4		20.44	mg/L	95.5	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-1.2	1.2			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	100		100.6	mg/L	100.6	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.9	0.9			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	1.5021		1.55	mg/L	103.2	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	1.5021		1.54	mg/L	102.5	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	100.018		97.93	mg/L	97.9	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	100.018	83.2	179.21	mg/L	96	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	100.018	83.2	178.25	mg/L	95	85	115	0.54	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	50		49.87	mg/L	99.7	90	110			
WG302882CCB1	CCB	06/07/11 13:50				.51	mg/L		-0.9	0.9			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	50		49.55	mg/L	99.1	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.9	0.9			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	50		48.96	mg/L	97.9	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.9	0.9			

WG302872

WG302872ICV	ICV	06/07/11 19:40	II110104-1	100		100.74	mg/L	100.7	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.9	0.9			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	1.5021		1.61	mg/L	107.2	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	1.5021		1.59	mg/L	105.9	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	100.018		102.67	mg/L	102.7	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	100.018	99.6	194.75	mg/L	95.1	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	100.018	99.6	195.4	mg/L	95.8	85	115	0.33	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	50		50.91	mg/L	101.8	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.9	0.9			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	50		51.61	mg/L	103.2	90	110			
WG302872CCB2	CCB	06/07/11 21:18				.5	mg/L		-0.9	0.9			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	50		50.77	mg/L	101.5	90	110			
WG302872CCB3	CCB	06/07/11 21:42				.44	mg/L		-0.9	0.9			

Sulfate

SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302706													
WG302706PBW	PBW	06/03/11 12:30				U	mg/L		-30	30			
WG302706LCSW	LCSW	06/03/11 12:32	WC110510-2	100		104	mg/L	104	80	120			
L88278-03DUP	DUP	06/03/11 13:20			470	451	mg/L				4.1	20	

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Sulfide as S

376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302390													
WG302390ICV	ICV	05/28/11 12:45	WC110528-5	.328		.344	mg/L	104.9	90	110			
WG302390ICB	ICB	05/28/11 12:49				U	mg/L		-0.06	0.06			
WG302394													
WG302394ICV	ICV	05/28/11 15:30	WC110528-5	.328		.332	mg/L	101.2	90	110			
WG302394ICB	ICB	05/28/11 15:32				U	mg/L		-0.06	0.06			
WG302394LFB	LFB	05/28/11 15:34	WC110528-8	.21956		.229	mg/L	104.3	80	120			
WG302394CCV1	CCV	05/28/11 15:54	WC110528-6	.16467		.156	mg/L	94.7	90	110			
WG302394CCB1	CCB	05/28/11 15:56				U	mg/L		-0.06	0.06			
L88208-02AS	AS	05/28/11 16:08	WC110528-8	.21956	U	.214	mg/L	97.5	75	125			
L88208-02DUP	DUP	05/28/11 16:11			U	U	mg/L				0	20	RA
WG302394CCV2	CCV	05/28/11 16:13	WC110528-6	.16467		.155	mg/L	94.1	90	110			
WG302394CCB2	CCB	05/28/11 16:15				U	mg/L		-0.06	0.06			

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303091													
WG303091ICV	ICV	06/09/11 16:55	MS110414-1	.05		.05249	mg/L	105	90	110			
WG303091ICB	ICB	06/09/11 16:58				U	mg/L		-0.00022	0.00022			
WG303091PQV	PQV	06/09/11 17:01	MS110513-2	.0005		.00044	mg/L	88	70	130			
WG303091LFB	LFB	06/09/11 17:04	MS110523-2	.05		.05214	mg/L	104.3	85	115			
L88208-01AS	AS	06/09/11 17:13	MS110523-2	1.25	U	1.3605	mg/L	108.8	70	130			
L88208-01ASD	ASD	06/09/11 17:16	MS110523-2	1.25	U	1.398	mg/L	111.8	70	130	2.72	20	
WG303091CCV1	CCV	06/09/11 17:27	MS110603-4	.1		.0988	mg/L	98.8	90	110			
WG303091CCB1	CCB	06/09/11 17:30				U	mg/L		-0.0003	0.0003			
WG303091CCV2	CCV	06/09/11 18:02	MS110603-4	.1		.09966	mg/L	99.7	90	110			
WG303091CCB2	CCB	06/09/11 18:05				U	mg/L		-0.0003	0.0003			
WG303091CCV3	CCV	06/09/11 18:34	MS110603-4	.1		.09979	mg/L	99.8	90	110			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		2.0652	mg/L	103.3	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.015	0.015			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.025		.0232	mg/L	92.8	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.1095	mg/L	109.5	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.5069	mg/L	101.4	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	U	.5169	mg/L	103.4	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	U	.5223	mg/L	104.5	85	115	1.04	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		1.0122	mg/L	101.2	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.015	0.015			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		1.0211	mg/L	102.1	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.015	0.015			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		1.0015	mg/L	100.2	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.015	0.015			
WG302872													
WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		2.1012	mg/L	105.1	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.015	0.015			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.025		.0268	mg/L	107.2	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	.1		.1116	mg/L	111.6	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5		.54	mg/L	108	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5	.031	.5639	mg/L	106.6	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5	.031	.5658	mg/L	107	85	115	0.34	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		1.0543	mg/L	105.4	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.015	0.015			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		1.042	mg/L	104.2	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.015	0.015			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		1.0353	mg/L	103.5	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.015	0.015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302882													
WG302882ICV	ICV	06/07/11 13:00	II110104-1	2		1.961	mg/L	98.1	95	105			
WG302882ICB	ICB	06/07/11 13:04				U	mg/L		-0.03	0.03			
WG302882PQV	PQV	06/07/11 13:07	II110531-2	.05		.049	mg/L	98	70	130			
WG302882SIC	SIC	06/07/11 13:10	II110531-1	.1		.094	mg/L	94	80	120			
WG302882LFB	LFB	06/07/11 13:16	II110601-2	.5		.5	mg/L	100	85	115			
L88163-01AS	AS	06/07/11 13:22	II110601-2	.5	.03	.572	mg/L	108.4	85	115			
L88163-01ASD	ASD	06/07/11 13:25	II110601-2	.5	.03	.547	mg/L	103.4	85	115	4.47	20	
WG302882CCV1	CCV	06/07/11 13:47	II110104-2	1		.966	mg/L	96.6	90	110			
WG302882CCB1	CCB	06/07/11 13:50				U	mg/L		-0.03	0.03			
WG302882CCV2	CCV	06/07/11 14:24	II110104-2	1		.966	mg/L	96.6	90	110			
WG302882CCB2	CCB	06/07/11 14:28				U	mg/L		-0.03	0.03			
WG302882CCV3	CCV	06/07/11 14:46	II110104-2	1		.96	mg/L	96	90	110			
WG302882CCB3	CCB	06/07/11 14:49				U	mg/L		-0.03	0.03			
WG302872													
WG302872ICV	ICV	06/07/11 19:40	II110104-1	2		1.972	mg/L	98.6	95	105			
WG302872ICB	ICB	06/07/11 19:45				U	mg/L		-0.03	0.03			
WG302872PQV	PQV	06/07/11 19:48	II110531-2	.05		.056	mg/L	112	70	130			
WG302872SIC	SIC	06/07/11 19:52	II110531-1	.1		.1	mg/L	100	80	120			
WG302872LFB	LFB	06/07/11 19:58	II110601-2	.5		.515	mg/L	103	85	115			
L88196-01AS	AS	06/07/11 20:05	II110601-2	.5	U	.531	mg/L	106.2	85	115			
L88196-01ASD	ASD	06/07/11 20:09	II110601-2	.5	U	.527	mg/L	105.4	85	115	0.76	20	
WG302872CCV1	CCV	06/07/11 20:33	II110104-2	1		.969	mg/L	96.9	90	110			
WG302872CCB1	CCB	06/07/11 20:36				U	mg/L		-0.03	0.03			
WG302872CCV2	CCV	06/07/11 21:14	II110104-2	1		.981	mg/L	98.1	90	110			
WG302872CCB2	CCB	06/07/11 21:18				U	mg/L		-0.03	0.03			
WG302872CCV3	CCV	06/07/11 21:38	II110104-2	1		.974	mg/L	97.4	90	110			
WG302872CCB3	CCB	06/07/11 21:42				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88208-01	WG303091	Arsenic, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Lead, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Uranium, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
	WG303452	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303221	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303141	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303027	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302653	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302394	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88208-02	WG303452	Chloride	SM4500CI-E	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303141	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303027	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302653	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302394	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88208-03	WG303091	Arsenic, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Cadmium, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Cesium, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Lead, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.
		Uranium, dissolved	M200.8 ICP-MS	DD	Sample required dilution due to matrix color or odor.

Energy Fuels Resources Corporation

Project ID:

Sample ID: MW-6

Locator:

ACZ Sample ID: **L88208-01**

Date Sampled: 05/26/11 18:15

Date Received: 05/27/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/13/11 13:26		12	11	9.3	pCi/L	*	meg
Gross Beta	06/13/11 13:26		110	16	16	pCi/L		meg

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/08/11 15:15		4.5	2.2	6.2	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/08/11 8:27		2.7	0.24	0.15	pCi/L	*	meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 14:49		4.7	0.69	0.97	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:28		0.7	0.55	0.63	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID:

Sample ID: MW-7

Locator:

ACZ Sample ID: **L88208-02**

Date Sampled: 05/26/11 10:30

Date Received: 05/27/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/13/11 13:27		33	6.6	2.3	pCi/L	*	meg
Gross Beta	06/13/11 13:27		34	4.5	4.1	pCi/L		meg

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/08/11 15:15		0.0	3.1	9.2	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/08/11 8:28		0.19	0.14	0.17	pCi/L	*	meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:41		0.94	0.46	0.78	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:30		-0.15	0.37	0.6	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID:

Sample ID: DUP052611

Locator:

ACZ Sample ID: **L88208-03**

Date Sampled: 05/26/11 0:00

Date Received: 05/27/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/13/11 13:29		5.7	10	9.6	pCi/L	*	meg
Gross Beta	06/13/11 13:29		110	17	17	pCi/L		meg

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/08/11 15:15		0.0	2.2	6.5	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/08/11 8:30		3.3	0.28	0.51	pCi/L	*	meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:41		3.8	0.61	0.9	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:31		-0.15	0.4	0.6	pCi/L	*	jig

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

Project ID:

Alpha		M900.0										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG303390																
WG302779PBW	PBW	06/13/11						-.71	0.93	1.4			2.8			
WG302779LCSW	LCSW	06/13/11	RC110304-1	81.06				85	8	1.4	104.9	81	138			
L88165-01DUP	DUP-RE	06/13/11			1.5	2.3	2.3	1.4	2.5	2.3				0.03	2	
L88215-01DUP	DUP-RE	06/13/11			2.2	2	1.9	.53	2	2				0.59	2	
L88165-02MS	MS	06/13/11	RC110304-1	81.06	1.1	2.2	2.4	33	6.5	2.3	39.4	81	138			M2

Beta		M900.0										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG303390																
WG302779PBW	PBW	06/13/11						1.2	2.9	4			8			
WG302779LCSW	LCSW	06/13/11	RC110517-11	100				110	6.8	4	110	65	117			
L88165-01DUP	DUP-RE	06/13/11			6.2	3	4.1	5.2	3	4.1				0.24	2	
L88215-01DUP	DUP-RE	06/13/11			4.1	3.1	4	4.7	3.2	4.1				0.13	2	
L88208-02MS	MS	06/13/11	RC110517-11	100	34	4.5	4.1	140	7.6	4.1	106	65	117			

Lead 210, dissolved		EICHROM, OTW01										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG303078																
L88208-01MS	MS	06/08/11	RC100623-1	75.16	4.5	2.2	6.2	38	3	6	44.6	47	101			M2
L88114-01DUP	DUP-RE	06/08/11			0	2	5.9	2.5	2.2	6.2				0.84	2	
WG302539LCSW	LCSW	06/08/11	RC100623-1	75.16				38	3	6	50.6	47	101			
WG302539PBW	PBW	06/08/11						0	2.1	6.3			12.6			

Energy Fuels Resources Corporation
 Project ID:

ACZ Project ID: **L88208**

Radium 226, dissolved M903.1 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG303068																
WG302592PBW	PBW	06/08/11						.37	0.16	0.32			0.64			
WG302592LCSW	LCSW	06/08/11	RC100624-2	23.92				23	0.63	0.13	96.2	55	124			
L88171-01DUP	DUP-RP	06/08/11			9.3	0.44	0.34	11	0.47	0.31				16.7	20	
L88171-01DUP	DUP-RE	06/08/11			9.3	0.44	0.34	11	0.47	0.31				2.64	2	RN
L88216-01DUP	DUP-RE	06/08/11			620	3.3	0.26	660	3.7	0.24				8.07	2	RN
L88216-01DUP	DUP-RP	06/08/11			620	3.3	0.26	660	3.7	0.24				6.3	20	
L88171-02MS	MS	06/08/11	RC100624-2	23.92	7.3	0.42	0.37	24	0.66	0.2	69.8	55	124			

Radium 228, dissolved M904.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304081																
WG303248LCSW	LCSW	06/22/11	PCN35637	18.06				14	0.94	0.91	77.5	47	123			
WG303248PBW	PBW	06/22/11						.86	0.45	0.79			1.58			
L88215-05DUP	DUP-RE	06/22/11			0.09	0.37	0.99	1.1	0.42	1.1				1.8	2	
L88163-02MS	MS	06/22/11	PCN35637	18.06	1.5	0.46	1.2	12	0.91	0.98	58.2	47	123			
L88163-02DUP	DUP-RE	06/22/11			1.5	0.46	1.2	1.3	0.48	0.96				0.3	2	

Thorium 230, dissolved ESM 4506 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304085																
WG303348PBW	PBW	06/15/11						.76	0.48	0.58			1.16			
WG303348LCSW	LCSW	06/15/11	RC091215-1	162.12				170	4.5	0.6	104.9	89	123			
L88208-02DUP	DUP-RE	06/15/11			-0.15	0.37	0.6	-.37	0.44	0.62				0.38	2	
L88457-01DUP	DUP-RE	06/15/11			-0.24	0.35	0.58	-.19	0.32	0.6				0.11	2	
L88208-02MS	MS	06/15/11	RC091215-1	162.12	-0.15	0.37	0.6	170	4.4	0.6	105	89	123			

Energy Fuels Resources Corporation

ACZ Project ID: **L88208**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88208-01	WG303390	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303078	Lead 210, dissolved	EICHROM, OTW01	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303068	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L88208-02	WG303390	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303078	Lead 210, dissolved	EICHROM, OTW01	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303068	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L88208-03	WG303390	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303078	Lead 210, dissolved	EICHROM, OTW01	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303068	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.

Energy Fuels Resources CorporationACZ Project ID: **L88208****Metals Analysis**

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Cesium, dissolved

M200.8 ICP-MS

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved

EICHROM, OTW01

Thorium 230, dissolved

ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S

376.2 - Methylene Blue

Energy Fuels Resources Corporation

ACZ Project ID: L88208

Date Received: 05/27/2011 14:15

Received By: gac

Date Printed: 5/31/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?			X
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
3323	2.4	14
Na13072	1.8	13

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation

ACZ Project ID: L88208

Date Received: 05/27/2011 14:15

Received By: gac

Date Printed: 5/31/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L88208-01	MW-6		Y		Y				Y			☐
L88208-02	MW-7		Y		Y				Y			☐
L88208-03	DUP052611		Y									☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Name: ZACH ROGERS		Address:
Company: ENERGY FUELS		
E-mail: zrogers@energyfuels.com		Telephone:

Name: <u>2A1H</u>	E-mail:
Company:	Telephone:

Name: ZACH ROEFER		Address:
Company:		
E-mail:		Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	☒
NO	☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for SDWA Compliance Monitoring? Yes ☐ No ☒

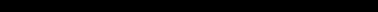
If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: <u>ZACH ROBERTS</u>	Sampler's site Information	State	<u>CO</u>	Zip code		Time Zone	<u>MDT</u>
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[illegible]

Matrix	SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)
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Please refer to ACZ's terms & conditions located on the reverse side of this COC.

	5/27/11 14:14	1	5-27-11 14:16
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July 07, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID: PINON RIDGE

ACZ Project ID: L88457

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 10, 2011. This project has been assigned to ACZ's project number, L88457. Please reference this number in all future inquiries.

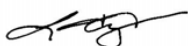
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L88457. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 07, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources CorporationProject ID: PINON RIDGE
Sample ID: STONE SPRINGACZ Sample ID: **L88457-01**

Date Sampled: 06/08/11 15:46

Date Received: 06/10/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/16/11 0:03	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0091			mg/L	0.0005	0.002	06/25/11 11:13	pmc
Barium, dissolved	M200.7 ICP	0.023			mg/L	0.003	0.02	06/16/11 0:03	aeb
Boron, dissolved	M200.7 ICP	0.34			mg/L	0.01	0.05	06/16/11 11:18	aeb
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/25/11 11:13	pmc
Calcium, dissolved	M200.7 ICP	51.4			mg/L	0.2	1	06/16/11 0:03	aeb
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/25/11 11:13	pmc
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:03	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:03	aeb
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/16/11 0:03	aeb
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/25/11 11:13	pmc
Magnesium, dissolved	M200.7 ICP	51.4			mg/L	0.2	1	06/16/11 0:03	aeb
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/16/11 0:03	aeb
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/24/11 15:22	erf
Molybdenum, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	06/16/11 0:03	aeb
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:03	aeb
Potassium, dissolved	M200.7 ICP	15.8			mg/L	0.3	2	06/16/11 0:03	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0225			mg/L	0.0001	0.0003	06/25/11 11:13	pmc
Silica, dissolved	M200.7 ICP	13.4			mg/L	0.4	2	06/16/11 0:03	aeb
Sodium, dissolved	M200.7 ICP	80.8			mg/L	0.3	2	06/16/11 0:03	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0589			mg/L	0.0001	0.0005	06/25/11 11:13	pmc
Vanadium, dissolved	M200.7 ICP	0.026	B		mg/L	0.005	0.03	06/16/11 0:03	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:03	aeb

Energy Fuels Resources CorporationProject ID: PINON RIDGE
Sample ID: STONE SPRINGACZ Sample ID: **L88457-01**

Date Sampled: 06/08/11 15:46

Date Received: 06/10/11

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		230			mg/L	2	20	06/16/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/16/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/16/11 0:00	cra
Total Alkalinity		230		*	mg/L	2	20	06/16/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	11		*	mg/L	1	5	06/21/11 14:11	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			07/05/11 0:00	calc
Sum of Anions		10.7			meq/L	0.1	0.5	07/05/11 0:00	calc
Sum of Cations		10.8			meq/L	0.1	0.5	07/05/11 0:00	calc
Chloride	SM4500Cl-E	58		*	mg/L	1	5	06/22/11 11:35	mpb
Fluoride	SM4500F-C	0.5	B	*	mg/L	0.1	0.5	06/22/11 14:46	abm
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	0.72		*	mg/L	0.02	0.1	06/25/11 14:00	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/21/11 11:08	lhb
Residue, Filterable (TDS) @180C	SM2540C	590			mg/L	10	20	06/13/11 17:09	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/14/11 13:19	ndm
Sulfate	SM4500 SO ₄ -D	210			mg/L	10	50	06/22/11 7:38	ndm
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/13/11 17:03	cra
TDS (calculated)	Calculation	619			mg/L	10	50	07/05/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	0.95						07/05/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BOREN WELL

ACZ Sample ID: **L88457-02**

Date Sampled: 06/08/11 17:21

Date Received: 06/10/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/16/11 0:13	aeb
Arsenic, dissolved	M200.8 ICP-MS	0.0120			mg/L	0.0005	0.002	06/25/11 11:22	pmc
Barium, dissolved	M200.7 ICP	0.062			mg/L	0.003	0.02	06/16/11 0:13	aeb
Boron, dissolved	M200.7 ICP	0.39			mg/L	0.01	0.05	06/16/11 11:21	aeb
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/25/11 11:22	pmc
Calcium, dissolved	M200.7 ICP	65.2			mg/L	0.2	1	06/16/11 0:13	aeb
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/25/11 11:22	pmc
Chromium, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/16/11 0:13	aeb
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:13	aeb
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/16/11 0:13	aeb
Lead, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/25/11 11:22	pmc
Magnesium, dissolved	M200.7 ICP	116			mg/L	0.2	1	06/16/11 0:13	aeb
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/16/11 0:13	aeb
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/24/11 15:24	erf
Molybdenum, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	06/16/11 0:13	aeb
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:13	aeb
Potassium, dissolved	M200.7 ICP	17.5			mg/L	0.3	2	06/16/11 0:13	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0184			mg/L	0.0001	0.0003	06/25/11 11:22	pmc
Silica, dissolved	M200.7 ICP	15.2			mg/L	0.4	2	06/16/11 0:13	aeb
Sodium, dissolved	M200.7 ICP	72.5			mg/L	0.3	2	06/16/11 0:13	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0467			mg/L	0.0001	0.0005	06/25/11 11:22	pmc
Vanadium, dissolved	M200.7 ICP	0.028	B		mg/L	0.005	0.03	06/16/11 0:13	aeb
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/16/11 0:13	aeb

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BOREN WELL

ACZ Sample ID: **L88457-02**

Date Sampled: 06/08/11 17:21

Date Received: 06/10/11

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		371			mg/L	2	20	06/16/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/16/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/16/11 0:00	cra
Total Alkalinity		371		*	mg/L	2	20	06/16/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	22		*	mg/L	1	5	06/21/11 14:11	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		4.5			%			07/05/11 0:00	calc
Sum of Anions		15.0			meq/L	0.1	0.5	07/05/11 0:00	calc
Sum of Cations		16.4			meq/L	0.1	0.5	07/05/11 0:00	calc
Chloride	SM4500Cl-E	98		*	mg/L	1	5	06/22/11 11:35	mpb
Fluoride	SM4500F-C	0.4	B	*	mg/L	0.1	0.5	06/22/11 14:55	abm
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	7.68		*	mg/L	0.08	0.4	06/25/11 14:38	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/21/11 11:10	lhb
Residue, Filterable (TDS) @180C	SM2540C	860			mg/L	10	20	06/13/11 17:10	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/14/11 13:21	ndm
Sulfate	SM4500 SO ₄ -D	230			mg/L	10	50	06/22/11 7:39	ndm
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/13/11 17:05	cra
TDS (calculated)	Calculation	837			mg/L	10	50	07/05/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.03						07/05/11 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303582													
WG303582PQV1	PQV	06/16/11 17:36	WC101207-3	20		20.2	mg/L	101	50	150			
WG303582PBW1	PBW	06/16/11 17:43				U	mg/L		-20	20			
WG303582LCSW2	LCSW	06/16/11 17:56	WC110616-1	820.0001		763.9	mg/L	93.2	90	110			
L88464-04DUP	DUP	06/16/11 19:28			U	U	mg/L				0	20	RA
WG303582PBW2	PBW	06/16/11 20:50				U	mg/L		-20	20			
WG303582LCSW5	LCSW	06/16/11 21:03	WC110616-1	820.0001		763.1	mg/L	93.1	90	110			
WG303582PBW3	PBW	06/17/11 1:05				U	mg/L		-20	20			
WG303582LCSW8	LCSW	06/17/11 1:18	WC110616-1	820.0001		771.1	mg/L	94	90	110			
WG303582PBW4	PBW	06/17/11 4:32				U	mg/L		-20	20			
WG303582LCSW11	LCSW	06/17/11 4:45	WC110616-1	820.0001		771.3	mg/L	94.1	90	110			
WG303582LCSW14	LCSW	06/17/11 8:58	WC110616-1	820.0001		781.9	mg/L	95.4	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.935	mg/L	96.8	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.09	0.09			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.15		.185	mg/L	123.3	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	200.15		191.298	mg/L	95.6	1	200			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	1		1.01	mg/L	101	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	1	U	1.015	mg/L	101.5	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	1	U	1.008	mg/L	100.8	85	115	0.69	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.936	mg/L	93.6	90	110			
WG303454CCB1	CCB	06/16/11 0:34				.047	mg/L		-0.09	0.09			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.959	mg/L	95.9	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.09	0.09			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.945	mg/L	94.5	90	110			
WG303454CCB3	CCB	06/16/11 1:36				.036	mg/L		-0.09	0.09			

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.05102	mg/L	102	90	110			
WG304207ICB	ICB	06/25/11 10:37				U	mg/L		-0.0011	0.0011			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.05005		.04966	mg/L	99.2	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.25025		.2475	mg/L	98.9	90	110			
WG304207CCB1	CCB	06/25/11 11:09				U	mg/L		-0.0015	0.0015			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.05005	.0091	.06109	mg/L	103.9	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.05005	.0091	.06122	mg/L	104.1	70	130	0.21	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.25025		.2517	mg/L	100.6	90	110			
WG304207CCB2	CCB	06/25/11 11:48				U	mg/L		-0.0015	0.0015			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.25025		.2434	mg/L	97.3	90	110			
WG304207CCB3	CCB	06/25/11 12:17				U	mg/L		-0.0015	0.0015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.9653	mg/L	98.3	95	105			
WG303454ICB	ICB	06/15/11 23:42				.0045	mg/L		-0.009	0.009			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.015		.0184	mg/L	122.7	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.0996	mg/L	99.6	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.4872	mg/L	97.4	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	.023	.5145	mg/L	98.3	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	.023	.516	mg/L	98.6	85	115	0.29	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.9733	mg/L	97.3	90	110			
WG303454CCB1	CCB	06/16/11 0:34				.0044	mg/L		-0.009	0.009			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.9538	mg/L	95.4	90	110			
WG303454CCB2	CCB	06/16/11 1:15				.0044	mg/L		-0.009	0.009			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.9399	mg/L	94	90	110			
WG303454CCB3	CCB	06/16/11 1:36				.0053	mg/L		-0.009	0.009			

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303522													
WG303522ICV	ICV	06/16/11 10:56	II110104-1	2		1.991	mg/L	99.6	95	105			
WG303522ICB	ICB	06/16/11 11:02				U	mg/L		-0.03	0.03			
WG303522PQV	PQV	06/16/11 11:05	II110531-2	.05005		.051	mg/L	101.9	70	130			
WG303522SIC	SIC	06/16/11 11:08	II110531-1	.1001		.096	mg/L	95.9	80	120			
WG303522LFB	LFB	06/16/11 11:15	II110601-2	.5005		.499	mg/L	99.7	85	115			
L88511-03AS	AS	06/16/11 11:37	II110601-2	1.001	U	.984	mg/L	98.3	85	115			
L88511-03ASD	ASD	06/16/11 11:40	II110601-2	1.001	U	.978	mg/L	97.7	85	115	0.61	20	
WG303522CCV1	CCV	06/16/11 11:46	II110104-2	1		.952	mg/L	95.2	90	110			
WG303522CCB1	CCB	06/16/11 11:49				U	mg/L		-0.03	0.03			
WG303522CCV2	CCV	06/16/11 12:02	II110104-2	1		.951	mg/L	95.1	90	110			
WG303522CCB2	CCB	06/16/11 12:05				U	mg/L		-0.03	0.03			

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.0494	mg/L	98.8	90	110			
WG304207ICB	ICB	06/25/11 10:37				U	mg/L		-0.00022	0.00022			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.0501		.04874	mg/L	97.3	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.1002		.102	mg/L	101.8	90	110			
WG304207CCB1	CCB	06/25/11 11:09				U	mg/L		-0.0003	0.0003			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.0501	U	.04785	mg/L	95.5	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.0501	U	.04781	mg/L	95.4	70	130	0.08	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.1002		.1023	mg/L	102.1	90	110			
WG304207CCB2	CCB	06/25/11 11:48				U	mg/L		-0.0003	0.0003			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.1002		.09743	mg/L	97.2	90	110			
WG304207CCB3	CCB	06/25/11 12:17				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	100		99.05	mg/L	99.1	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.6	0.6			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	1		1.08	mg/L	108	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	201		201.12	mg/L	100.1	1	200			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	67.99734		69.73	mg/L	102.5	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	67.99734	51.4	121.61	mg/L	103.3	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	67.99734	51.4	121.55	mg/L	103.2	85	115	0.05	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	50		48.36	mg/L	96.7	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.6	0.6			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	50		48.58	mg/L	97.2	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.6	0.6			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	50		47.55	mg/L	95.1	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.6	0.6			

Carbon, total organic (TOC)

SM5310B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303850													
WG303850CCV1	CCV	06/21/11 14:11	WI110602-1	50		49.7	mg/L	99.4	90	110			
WG303850CCB1	CCB	06/21/11 14:11				U	mg/L		-3	3			
WG303850PQV	PQV	06/21/11 14:11	WI110602-2	5		5.2	mg/L	104	70	130			
WG303850LFB	LFB	06/21/11 14:11	WI101123-1	50		50.2	mg/L	100.4	90	110			
L88457-01DUP	DUP	06/21/11 14:11			11	12.5	mg/L				12.8	20	
L88457-02AS	AS	06/21/11 14:11	WI101123-1	50	22	83.2	mg/L	122.4	90	110			M1
WG303850CCV2	CCV	06/21/11 14:11	WI110602-1	50		52.1	mg/L	104.2	90	110			
WG303850CCB2	CCB	06/21/11 14:11				1.7	mg/L		-3	3			
WG303850CCV3	CCV	06/21/11 14:11	WI110602-1	50		50.9	mg/L	101.8	90	110			
WG303850CCB3	CCB	06/21/11 14:11				U	mg/L		-3	3			
WG303850CCV4	CCV	06/21/11 14:11	WI110602-1	50		50.6	mg/L	101.2	90	110			
WG303850CCB4	CCB	06/21/11 14:11				U	mg/L		-3	3			

Cesium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.05186	mg/L	103.7	90	110			
WG304207ICB	ICB	06/25/11 10:37				U	mg/L		-0.00044	0.00044			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.05		.04957	mg/L	99.1	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.1		.1028	mg/L	102.8	90	110			
WG304207CCB1	CCB	06/25/11 11:09				U	mg/L		-0.0006	0.0006			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.05	U	.04973	mg/L	99.5	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.05	U	.05009	mg/L	100.2	70	130	0.72	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.1		.1034	mg/L	103.4	90	110			
WG304207CCB2	CCB	06/25/11 11:48				U	mg/L		-0.0006	0.0006			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.1		.09911	mg/L	99.1	90	110			
WG304207CCB3	CCB	06/25/11 12:17				U	mg/L		-0.0006	0.0006			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Chloride		SM4500Cl-E											
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303940													
WG303940ICB	ICB	06/22/11 9:04				U	mg/L		-3	3			
WG303940ICV	ICV	06/22/11 9:04	WI101005-3	55.165		60.2	mg/L	109.1	90	110			
WG303940CCV1	CCV	06/22/11 11:35	WI110325-1	50		51.8	mg/L	103.6	90	110			
WG303940CCB1	CCB	06/22/11 11:35				U	mg/L		-3	3			
WG303940LFB1	LFB	06/22/11 11:35	WI110322-1	30		31.7	mg/L	105.7	90	110			
L88457-01AS	AS	06/22/11 11:35	WI110322-1	30	58	84.1	mg/L	87	90	110			M2
L88457-02DUP	DUP	06/22/11 11:35			98	98.3	mg/L				0.3	20	
WG303940CCV2	CCV	06/22/11 11:36	WI110325-1	50		51.8	mg/L	103.6	90	110			
WG303940CCB2	CCB	06/22/11 11:36				U	mg/L		-3	3			
WG303940CCV3	CCV	06/22/11 11:36	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB3	CCB	06/22/11 11:36				U	mg/L		-3	3			
WG303940CCV4	CCV	06/22/11 11:44	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB4	CCB	06/22/11 11:44				U	mg/L		-3	3			
WG303940CCV5	CCV	06/22/11 11:46	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB5	CCB	06/22/11 11:46				U	mg/L		-3	3			
WG303940CCV6	CCV	06/22/11 11:54	WI110325-1	50		51.9	mg/L	103.8	90	110			
WG303940CCB6	CCB	06/22/11 11:54				U	mg/L		-3	3			
WG303940CCV7	CCV	06/22/11 11:55	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB7	CCB	06/22/11 11:55				U	mg/L		-3	3			
WG303940LFB2	LFB	06/22/11 12:00	WI110322-1	30		31.7	mg/L	105.7	90	110			
WG303940CCV8	CCV	06/22/11 12:01	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB8	CCB	06/22/11 12:01				U	mg/L		-3	3			
WG303940CCV9	CCV	06/22/11 12:09	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB9	CCB	06/22/11 12:09				U	mg/L		-3	3			
WG303940CCV10	CCV	06/22/11 12:14	WI110325-1	50		51.7	mg/L	103.4	90	110			
WG303940CCB10	CCB	06/22/11 12:14				U	mg/L		-3	3			
WG303940CCV11	CCV	06/22/11 12:16	WI110325-1	50		51.5	mg/L	103	90	110			
WG303940CCB11	CCB	06/22/11 12:16				U	mg/L		-3	3			
WG303940CCV12	CCV	06/22/11 12:24	WI110325-1	50		51.2	mg/L	102.4	90	110			
WG303940CCB12	CCB	06/22/11 12:24				U	mg/L		-3	3			
WG303940CCV13	CCV	06/22/11 12:33	WI110325-1	50		51.3	mg/L	102.6	90	110			
WG303940CCB13	CCB	06/22/11 12:33				U	mg/L		-3	3			

Chromium, dissolved		M200.7 ICP											
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		2.01	mg/L	100.5	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.03	0.03			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.055	mg/L	110	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.12	mg/L	120	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.517	mg/L	103.4	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	U	.542	mg/L	108.4	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	U	.536	mg/L	107.2	85	115	1.11	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.987	mg/L	98.7	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.03	0.03			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.983	mg/L	98.3	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.03	0.03			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.965	mg/L	96.5	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.919	mg/L	96	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.03	0.03			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.051	mg/L	102	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.097	mg/L	97	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.492	mg/L	98.4	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	U	.494	mg/L	98.8	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	U	.494	mg/L	98.8	85	115	0	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.944	mg/L	94.4	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.03	0.03			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.928	mg/L	92.8	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.03	0.03			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.92	mg/L	92	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.03	0.03			

Fluoride

SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303954													
WG303954ICV	ICV	06/22/11 14:27	WC110614-1	2		1.95	mg/L	97.5	95	105			
WG303954ICB	ICB	06/22/11 14:35				U	mg/L		-0.3	0.3			
WG303954PQV	PQV	06/22/11 14:38	WC110414-3	.5		.47	mg/L	94	70	130			
WG303954LFB1	LFB	06/22/11 14:42	WC110414-4	5		4.63	mg/L	92.6	90	110			
L88457-01AS	AS	06/22/11 14:48	WC110414-4	5	.5	5.18	mg/L	93.6	90	110			
L88457-01DUP	DUP	06/22/11 14:51			.5	.46	mg/L				8.3	20	RA
WG303954CCV1	CCV	06/22/11 15:14	WC110614-1	2		1.95	mg/L	97.5	90	110			
WG303954CCB1	CCB	06/22/11 15:22				U	mg/L		-0.3	0.3			
WG303954CCV2	CCV	06/22/11 16:04	WC110614-1	2		1.89	mg/L	94.5	90	110			
WG303954CCB2	CCB	06/22/11 16:07				U	mg/L		-0.3	0.3			
WG303954LFB2	LFB	06/22/11 16:33	WC110414-4	5		4.56	mg/L	91.2	90	110			
WG303954CCV3	CCV	06/22/11 16:49	WC110614-1	2		1.94	mg/L	97	90	110			
WG303954CCB3	CCB	06/22/11 16:56				U	mg/L		-0.3	0.3			
WG303954CCV4	CCV	06/22/11 17:45	WC110614-1	2		1.94	mg/L	97	90	110			
WG303954CCB4	CCB	06/22/11 17:53				U	mg/L		-0.3	0.3			
WG303954CCV5	CCV	06/22/11 18:47	WC110614-1	2		1.94	mg/L	97	90	110			
WG303954CCB5	CCB	06/22/11 18:55				U	mg/L		-0.3	0.3			
WG303954CCV6	CCV	06/22/11 19:06	WC110614-1	2		1.99	mg/L	99.5	90	110			
WG303954CCB6	CCB	06/22/11 19:14				U	mg/L		-0.3	0.3			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.991	mg/L	99.6	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.06	0.06			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.064	mg/L	128	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	200.05		196.965	mg/L	98.5	1	200			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	1		1.04	mg/L	104	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	1	U	1.074	mg/L	107.4	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	1	U	1.076	mg/L	107.6	85	115	0.19	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.983	mg/L	98.3	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.06	0.06			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.983	mg/L	98.3	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.06	0.06			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.958	mg/L	95.8	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.06	0.06			

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.04764	mg/L	95.3	90	110			
WG304207ICB	ICB	06/25/11 10:37				.00011	mg/L		-0.00022	0.00022			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.05005		.04601	mg/L	91.9	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.25025		.2531	mg/L	101.1	90	110			
WG304207CCB1	CCB	06/25/11 11:09				U	mg/L		-0.0003	0.0003			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.05005	U	.04592	mg/L	91.7	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.05005	U	.04593	mg/L	91.8	70	130	0.02	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.25025		.2595	mg/L	103.7	90	110			
WG304207CCB2	CCB	06/25/11 11:48				.00019	mg/L		-0.0003	0.0003			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.25025		.2437	mg/L	97.4	90	110			
WG304207CCB3	CCB	06/25/11 12:17				.00012	mg/L		-0.0003	0.0003			

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	100		103.02	mg/L	103	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.6	0.6			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	1		.89	mg/L	89	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	201		213.7	mg/L	106.3	1	200			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	50.00321		52.01	mg/L	104	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	50.00321	51.4	106.16	mg/L	109.5	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	50.00321	51.4	106.4	mg/L	110	85	115	0.23	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	50		49.24	mg/L	98.5	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.6	0.6			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	50		49.52	mg/L	99	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.6	0.6			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	50		48.5	mg/L	97	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.9333	mg/L	96.7	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.015	0.015			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.025		.0283	mg/L	113.2	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	50.025		45.0718	mg/L	90.1	1	200			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.5139	mg/L	102.8	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	U	.5168	mg/L	103.4	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	U	.5194	mg/L	103.9	85	115	0.5	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.9525	mg/L	95.3	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.015	0.015			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.9452	mg/L	94.5	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.015	0.015			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.9426	mg/L	94.3	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.015	0.015			

Mercury, dissolved

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304010													
WG304010ICV	ICV	06/24/11 15:14	II110607-1	.005015		.00522	mg/L	104.1	95	105			
WG304010ICB	ICB	06/24/11 15:16				U	mg/L		-0.0002	0.0002			
WG304010LRB	LRB	06/24/11 15:18				U	mg/L		-0.00044	0.00044			
WG304010LFB	LFB	06/24/11 15:20	II110613-3	.002002		.00197	mg/L	98.4	85	115			
L88554-03LFM	LFM	06/24/11 15:32	II110613-3	.002002	U	.00189	mg/L	94.4	85	115			
L88554-03LFMD	LFMD	06/24/11 15:34	II110613-3	.002002	U	.00188	mg/L	93.9	85	115	0.53	20	
WG304010CCV1	CCV	06/24/11 15:38	II110607-1	.005015		.00504	mg/L	100.5	90	110			
WG304010CCB1	CCB	06/24/11 15:40				U	mg/L		-0.0002	0.0002			
WG304010CCV2	CCV	06/24/11 16:02	II110607-1	.005015		.00506	mg/L	100.9	90	110			
WG304010CCB2	CCB	06/24/11 16:04				U	mg/L		-0.0002	0.0002			
WG304010CCV3	CCV	06/24/11 16:19	II110607-1	.005015		.00516	mg/L	102.9	90	110			
WG304010CCB3	CCB	06/24/11 16:21				U	mg/L		-0.0002	0.0002			

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		2.007	mg/L	100.4	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.03	0.03			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.055	mg/L	110	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.115	mg/L	115	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.525	mg/L	105	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	.04	.567	mg/L	105.4	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	.04	.574	mg/L	106.8	85	115	1.23	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.974	mg/L	97.4	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.03	0.03			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.966	mg/L	96.6	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.03	0.03			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.95	mg/L	95	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2.002		2.001	mg/L	100	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.03	0.03			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.053	mg/L	106	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.09	mg/L	90	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.505	mg/L	101	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	U	.53	mg/L	106	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	U	.528	mg/L	105.6	85	115	0.38	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1.001		.988	mg/L	98.7	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.03	0.03			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1.001		.979	mg/L	97.8	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.03	0.03			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1.001		.957	mg/L	95.6	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.03	0.03			

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304219													
WG304219ICV	ICV	06/25/11 13:41	WI110330-1	2.416		2.295	mg/L	95	90	110			
WG304219ICB	ICB	06/25/11 13:42				U	mg/L		-0.06	0.06			
WG304219LFB1	LFB	06/25/11 13:45	WI110322-5	2		1.94	mg/L	97	90	110			
L88417-01AS	AS	06/25/11 13:48	WI110322-5	2	.02	1.67	mg/L	82.5	90	110			M2
L88417-02DUP	DUP	06/25/11 13:50			U	U	mg/L				0	20	RA
WG304219CCV1	CCV	06/25/11 13:55	WI110621-1	2		1.97	mg/L	98.5	90	110			
WG304219CCB1	CCB	06/25/11 13:56				U	mg/L		-0.06	0.06			
WG304219CCV2	CCV	06/25/11 14:11	WI110621-1	2		1.971	mg/L	98.6	90	110			
WG304219CCB2	CCB	06/25/11 14:12				U	mg/L		-0.06	0.06			
WG304219LFB2	LFB	06/25/11 14:21	WI110322-5	2		1.934	mg/L	96.7	90	110			
WG304219CCV3	CCV	06/25/11 14:25	WI110621-1	2		1.964	mg/L	98.2	90	110			
WG304219CCB3	CCB	06/25/11 14:26				U	mg/L		-0.06	0.06			
WG304219CCV4	CCV	06/25/11 14:39	WI110621-1	2		1.962	mg/L	98.1	90	110			
WG304219CCB4	CCB	06/25/11 14:40				U	mg/L		-0.06	0.06			
WG304219CCV5	CCV	06/25/11 14:48	WI110621-1	2		1.934	mg/L	96.7	90	110			
WG304219CCB5	CCB	06/25/11 14:50				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303834													
WG303834ICV	ICV	06/21/11 11:04	WI101121-1	1.004		.985	mg/L	98.1	90	110			
WG303834ICB	ICB	06/21/11 11:05				U	mg/L		-0.15	0.15			
WG303834LFB1	LFB	06/21/11 11:06	WI110211-5	1		.999	mg/L	99.9	90	110			
L88457-01AS	AS	06/21/11 11:09	WI110211-5	1	U	1.005	mg/L	100.5	90	110			
L88457-02DUP	DUP	06/21/11 11:11			U	U	mg/L				0	20	RA
WG303834CCV1	CCV	06/21/11 11:18	WI100902-1	2		1.99	mg/L	99.5	90	110			
WG303834CCB1	CCB	06/21/11 11:19				U	mg/L		-0.15	0.15			
WG303834CCV2	CCV	06/21/11 11:31	WI100902-1	2		1.978	mg/L	98.9	90	110			
WG303834CCB2	CCB	06/21/11 11:32				U	mg/L		-0.15	0.15			
WG303834LFB2	LFB	06/21/11 11:39	WI110211-5	1		1.018	mg/L	101.8	90	110			
WG303834CCV3	CCV	06/21/11 11:45	WI100902-1	2		1.977	mg/L	98.9	90	110			
WG303834CCB3	CCB	06/21/11 11:46				U	mg/L		-0.15	0.15			
WG303834CCV4	CCV	06/21/11 12:00	WI100902-1	2		1.989	mg/L	99.5	90	110			
WG303834CCB4	CCB	06/21/11 12:01				U	mg/L		-0.15	0.15			

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	20		20.31	mg/L	101.6	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.9	0.9			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	1.5		1.5	mg/L	100	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	1.5		1.46	mg/L	97.3	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	100.0031		102.1	mg/L	102.1	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	100.0031	15.8	118.81	mg/L	103	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	100.0031	15.8	119.59	mg/L	103.8	85	115	0.65	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	10		9.81	mg/L	98.1	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.9	0.9			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	10		9.77	mg/L	97.7	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.9	0.9			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	10		9.88	mg/L	98.8	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.9	0.9			

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303311													
WG303311PBW	PBW	06/13/11 17:05				U	mg/L		-20	20			
WG303311LCSW	LCSW	06/13/11 17:06	PCN37131	260		240	mg/L	92.3	80	120			
L88473-02DUP	DUP	06/13/11 17:18			18800	18816	mg/L				0.1	20	

Residue, Non-Filterable (TSS) @105C

SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303379													
WG303379PBW	PBW	06/14/11 12:42				U	mg/L		-15	15			
WG303379LCSW	LCSW	06/14/11 12:44	PCN37131	160		171	mg/L	106.9	80	120			
L88472-01DUP	DUP	06/14/11 13:29			9	16	mg/L				56	20	RA

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.05056	mg/L	101.1	90	110			
WG304207ICB	ICB	06/25/11 10:37				.00014	mg/L		-0.00022	0.00022			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.05005		.04781	mg/L	95.5	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.25025		.2437	mg/L	97.4	90	110			
WG304207CCB1	CCB	06/25/11 11:09				.0001	mg/L		-0.0003	0.0003			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.05005	.0225	.0751	mg/L	105.1	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.05005	.0225	.07353	mg/L	102	70	130	2.11	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.25025		.2471	mg/L	98.7	90	110			
WG304207CCB2	CCB	06/25/11 11:48				.00025	mg/L		-0.0003	0.0003			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.25025		.2348	mg/L	93.8	90	110			
WG304207CCB3	CCB	06/25/11 12:17				.00016	mg/L		-0.0003	0.0003			

Silica, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	42.8		40.75	mg/L	95.2	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-1.2	1.2			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	2.14		1.97	mg/L	92.1	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	2.14		1.95	mg/L	91.1	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	21.4		20.48	mg/L	95.7	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	21.4	13.4	33.67	mg/L	94.7	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	21.4	13.4	33.8	mg/L	95.3	85	115	0.39	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	21.4		20.08	mg/L	93.8	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-1.2	1.2			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	21.4		19.97	mg/L	93.3	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-1.2	1.2			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	21.4		19.89	mg/L	92.9	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-1.2	1.2			

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	100		101.1	mg/L	101.1	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.9	0.9			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	1.5021		1.6	mg/L	106.5	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	1.5021		1.56	mg/L	103.9	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	100.018		102.34	mg/L	102.3	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	100.018	80.8	178.96	mg/L	98.1	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	100.018	80.8	180.11	mg/L	99.3	85	115	0.64	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	50		49.76	mg/L	99.5	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.9	0.9			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	50		49.25	mg/L	98.5	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.9	0.9			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	50		49.22	mg/L	98.4	90	110			
WG303454CCB3	CCB	06/16/11 1:36				.3	mg/L		-0.9	0.9			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Sulfate SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303968													
WG303968PBW	PBW	06/22/11 7:38				12	mg/L		-30	30			
WG303968LCSW	LCSW	06/22/11 7:38	WC110510-2	100		108	mg/L	108	80	120			
L88579-04DUP	DUP	06/22/11 7:41			850	980	mg/L				14.2	20	

Sulfide as S 376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303285													
WG303285ICV	ICV	06/13/11 13:30	WC110613-5	.34934		.363	mg/L	103.9	90	110			
WG303285ICB	ICB	06/13/11 13:35				U	mg/L		-0.06	0.06			
WG303312													
WG303312ICV	ICV	06/13/11 17:00	WC110613-5	.34934		.351	mg/L	100.5	90	110			
WG303312ICB	ICB	06/13/11 17:01				U	mg/L		-0.06	0.06			
WG303312LFB	LFB	06/13/11 17:02	WC110613-8	.21956		.231	mg/L	105.2	80	120			
L88459-04AS	AS	06/13/11 17:11	WC110613-8	.21956	U	.246	mg/L	112	75	125			
L88459-04DUP	DUP	06/13/11 17:12			U	U	mg/L				0	20	RA
WG303312CCV	CCV	06/13/11 17:13	WC110613-6	.16467		.153	mg/L	92.9	90	110			
WG303312CCB	CCB	06/13/11 17:15				U	mg/L		-0.06	0.06			

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG304207													
WG304207ICV	ICV	06/25/11 10:34	MS110414-1	.05		.05092	mg/L	101.8	90	110			
WG304207ICB	ICB	06/25/11 10:37				U	mg/L		-0.00022	0.00022			
WG304207LFB	LFB	06/25/11 10:40	MS110523-2	.05		.0493	mg/L	98.6	85	115			
WG304207CCV1	CCV	06/25/11 11:06	MS110603-4	.1		.1015	mg/L	101.5	90	110			
WG304207CCB1	CCB	06/25/11 11:09				U	mg/L		-0.0003	0.0003			
L88457-01AS	AS	06/25/11 11:16	MS110523-2	.05	.0589	.1078	mg/L	97.8	70	130			
L88457-01ASD	ASD	06/25/11 11:19	MS110523-2	.05	.0589	.1072	mg/L	96.6	70	130	0.56	20	
WG304207CCV2	CCV	06/25/11 11:45	MS110603-4	.1		.1033	mg/L	103.3	90	110			
WG304207CCB2	CCB	06/25/11 11:48				U	mg/L		-0.0003	0.0003			
WG304207CCV3	CCV	06/25/11 12:14	MS110603-4	.1		.09843	mg/L	98.4	90	110			
WG304207CCB3	CCB	06/25/11 12:17				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		2.0559	mg/L	102.8	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.015	0.015			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.025		.0293	mg/L	117.2	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.1114	mg/L	111.4	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.5264	mg/L	105.3	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	.026	.5461	mg/L	104	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	.026	.5513	mg/L	105.1	85	115	0.95	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		1.0062	mg/L	100.6	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.015	0.015			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.9985	mg/L	99.9	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.015	0.015			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.9984	mg/L	99.8	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.015	0.015			

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303454													
WG303454ICV	ICV	06/15/11 23:38	II110104-1	2		1.957	mg/L	97.9	95	105			
WG303454ICB	ICB	06/15/11 23:42				U	mg/L		-0.03	0.03			
WG303454PQV	PQV	06/15/11 23:46	II110531-2	.05		.062	mg/L	124	70	130			
WG303454SIC	SIC	06/15/11 23:49	II110531-1	.1		.101	mg/L	101	80	120			
WG303454LFB	LFB	06/15/11 23:56	II110601-2	.5		.531	mg/L	106.2	85	115			
L88457-01AS	AS	06/16/11 0:07	II110601-2	.5	U	.546	mg/L	109.2	85	115			
L88457-01ASD	ASD	06/16/11 0:10	II110601-2	.5	U	.552	mg/L	110.4	85	115	1.09	20	
WG303454CCV1	CCV	06/16/11 0:31	II110104-2	1		.966	mg/L	96.6	90	110			
WG303454CCB1	CCB	06/16/11 0:34				U	mg/L		-0.03	0.03			
WG303454CCV2	CCV	06/16/11 1:12	II110104-2	1		.975	mg/L	97.5	90	110			
WG303454CCB2	CCB	06/16/11 1:15				U	mg/L		-0.03	0.03			
WG303454CCV3	CCV	06/16/11 1:32	II110104-2	1		.951	mg/L	95.1	90	110			
WG303454CCB3	CCB	06/16/11 1:36				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88457-01	WG303850	Carbon, total organic (TOC)	SM5310B	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303940	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303954	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG304219	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303834	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303379	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303312	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303582	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88457-02	WG303850	Carbon, total organic (TOC)	SM5310B	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303940	Chloride	SM4500CI-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG303954	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG304219	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303834	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303379	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303312	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303582	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources Corporation

Project ID: PINON RIDGE
Sample ID: STONE SPRING
Locator:

ACZ Sample ID: **L88457-01**
Date Sampled: 06/08/11 15:46
Date Received: 06/10/11
Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/28/11 13:30		26	5.9	2.4	pCi/L	*	zsh
Gross Beta	06/28/11 13:30		27	4.1	4.1	pCi/L		zsh

Lead 210, dissolved
EICHROM, OTW01

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 17:15		3.3	3.2	6.7	pCi/L	*	jjg

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:40		0.11	0.12	0.17	pCi/L		mtb

Radium 228, dissolved
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/30/11 15:32		0.53	0.43	0.96	pCi/L		jjg

Thorium 230, dissolved
ESM 4506

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:53		-0.24	0.35	0.58	pCi/L	*	jjg

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BOREN WELL

Locator:

ACZ Sample ID: **L88457-02**

Date Sampled: 06/08/11 17:21

Date Received: 06/10/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/28/11 13:31		19	5.1	2.4	pCi/L	*	zsh
Gross Beta	06/28/11 13:31		25	4	4.1	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 17:15		4.6	3.8	8	pCi/L	*	jjg

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/22/11 12:42		0.14	0.07	0.09	pCi/L		mtb

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/30/11 15:32		0.41	0.42	1.1	pCi/L		jjg

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:54		-0.01	0.37	0.57	pCi/L	*	jjg

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

Project ID: PINON RIDGE

Alpha M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304494																
WG304286PBW	PBW	06/28/11						.87	1.3	1.4			2.8			
WG304286LCSW	LCSW	06/28/11	RC110304-1	81.06				86	8	1.4	106.1	81	138			
L88422-01DUP	DUP-RE	06/28/11			3.8	2.6	2.1	3	2.3	2.1				0.23	2	
L88556-05DUP	DUP-RE	06/28/11			-0.13	1.3	1.9	1	1.8	1.9				0.51	2	
L88446-01MS	MS	06/28/11	RC110304-1	90.07	7.4	3.5	2.6	53	8.5	2.5	50.6	81	138			M2

Beta M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304494																
WG304286PBW	PBW	06/28/11						1.7	2.9	4			8			
WG304286LCSW	LCSW	06/28/11	RC110517-11	100				110	6.8	4	110	65	117			
L88422-01DUP	DUP-RE	06/28/11			3.1	3.1	4.1	5.8	2.9	4.1				0.64	2	
L88556-05DUP	DUP-RE	06/28/11			0.68	2.6	4.1	.33	3	4.1				0.09	2	
L88556-04MS	MS	06/28/11	RC110517-11	100	1.8	2.7	4.1	110	6.8	4.1	108.2	65	117			

Lead 210, dissolved EICHROM, OTW01 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304455																
WG303540PBW	PBW	06/27/11						2.1	2.9	6.4			12.8			
WG303540LCSW	LCSW	06/27/11	RC100623-1	75.04				43	5.2	8	57.3	47	101			
L88278-03MS	MS	06/28/11	RC100623-1	75.03	0.47	3.9	8.7	39	5.5	9.1	51.4	47	101			
L88417-05DUP	DUP-RE	06/28/11			0.74	4.3	9.6	0	4	8.6				0.13	2	
L88278-02DUP	DUP-RE	06/28/11			0	5.6	13	0	3.3	7.2				0	2	

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

ACZ Project ID: **L88457**
Radium 226, dissolved

M903.1

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304087																
WG303447PBW	PBW	06/22/11						0	0.09	0.47			0.94			
WG303447LCSW	LCSW	06/22/11	RC100624-2	23.92				29	0.75	0.25	121.3	55	124			
L88457-02DUP	DUP-RE	06/22/11			0.14	0.07	0.09	.26	0.11	0.25				0.92	2	
L88325-01MS	MS	06/22/11	RC100624-2	23.92	0.03	0.15	0.41	25	0.66	0.42	104.4	55	124			

Radium 228, dissolved

M904.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304717																
WG304363LCSW	LCSW	06/30/11	PCN35624	18.01				12	0.92	1.2	66.6	47	123			
WG304363PBW	PBW	06/30/11						.6	0.47	0.96			1.92			
L88338-01MS	MS	06/30/11	PCN35624	18.01	0.38	0.44	1	11	0.92	1.5	59	47	123			
L88338-02DUP	DUP-RE	06/30/11			0.37	0.47	1.2	.08	0.44	1.1				0.45	2	
L88446-01DUP	DUP-RE	06/30/11			0	0.39	1.5	.92	0.52	1.3				1.42	2	

Thorium 230, dissolved

ESM 4506

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304085																
WG303348PBW	PBW	06/15/11						.76	0.48	0.58			1.16			
WG303348LCSW	LCSW	06/15/11	RC091215-1	162.12				170	4.5	0.6	104.9	89	123			
L88208-02DUP	DUP-RE	06/15/11			-0.15	0.37	0.6	-.37	0.44	0.62				0.38	2	
L88457-01DUP	DUP-RE	06/15/11			-0.24	0.35	0.58	-.19	0.32	0.6				0.11	2	
L88208-02MS	MS	06/15/11	RC091215-1	162.12	-0.15	0.37	0.6	170	4.4	0.6	105	89	123			

Energy Fuels Resources Corporation

ACZ Project ID: **L88457**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88457-01	WG304494	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L88457-02	WG304494	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Energy Fuels Resources CorporationACZ Project ID: **L88457****Metals Analysis**

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Cesium, dissolved

M200.8 ICP-MS

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved

EICHROM, OTW01

Thorium 230, dissolved

ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S

376.2 - Methylene Blue

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88457
Date Received: 06/10/2011 09:21
Received By: ksj
Date Printed: 6/10/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
464		2.3	17

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88457
Date Received: 06/10/2011 09:21
Received By: ksj
Date Printed: 6/10/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L88457-01	STONE SPRING		Y		Y				Y			☐
L88457-02	BOREN WELL		Y		Y				Y			☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: ksj

L88457

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Zach Rogers
Company: Energy Fuels Resources
E-mail: z.rogers@energyfuels.com

Address: 44 Union Blvd. Suite 600
Lakewood, CO 80228
Telephone: 303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail:	
Telephone:	

Invoice to:

Name:	Zach Rogers
Company:	Energy Fuels Resources
E-mail:	z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600 Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	Piñon-Ridge
Project/PO #:	Piñon Ridge
Reporting state for compliance testing:	NO
Sampler's Name:	Jess W Fulbright
Are any samples NRC licensable material?	NO

SAMPLE IDENTIFICATION	DATE:TIME	Matrix
-----------------------	-----------	--------

[illegible]

atrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

MARKS/ SAMPLE DISCLOSURES

All times are Mountain Daylight Time. Two samples contained in one cooler.

PAGE

1 of 1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

James W. Fullbright	6-9-11 1015MDT	APL 6-10-11	9:21
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June 30, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID: PINON RIDGE

ACZ Project ID: L88278

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 02, 2011. This project has been assigned to ACZ's project number, L88278. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L88278. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 30, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources Corporation

June 30, 2011

Project ID: PINON RIDGE

ACZ Project ID: L88278

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 ground water samples from Energy Fuels Resources Corporation on June 2, 2011. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L88278. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic and, radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Total Organic Carbon analyses (samples -02 and -03) were qualified with the ACZ 'R1' flag as Relative Percent Difference (RPD) was > 20%. However, the RPD for TC and TIC was within control limits and the data was accepted.
2. The Lead 210 analyses were qualified with the ACZ 'R1' flag as the recovery of the Pb carrier was low. However, it is the opinion of the laboratory that the data is still usable.

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: DAVIS WELL

ACZ Sample ID: **L88278-01**

Date Sampled: 05/31/11 15:20

Date Received: 06/02/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 22:48	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0022			mg/L	0.0005	0.002	06/16/11 0:12	msh
Barium, dissolved	M200.7 ICP	0.028			mg/L	0.003	0.02	06/07/11 22:48	jjc
Boron, dissolved	M200.7 ICP	0.68			mg/L	0.01	0.05	06/07/11 22:48	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/16/11 0:12	msh
Calcium, dissolved	M200.7 ICP	43.6			mg/L	0.2	1	06/24/11 16:44	aeb
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/16/11 0:12	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:48	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:48	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 22:48	jjc
Lead, dissolved	M200.8 ICP-MS	0.0009			mg/L	0.0001	0.0005	06/16/11 0:12	msh
Magnesium, dissolved	M200.7 ICP	48.1			mg/L	0.2	1	06/24/11 16:44	aeb
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/07/11 22:48	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/21/11 15:26	erf
Molybdenum, dissolved	M200.7 ICP	0.04	B		mg/L	0.01	0.05	06/07/11 22:48	jjc
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:48	jjc
Potassium, dissolved	M200.7 ICP	22.8			mg/L	0.3	2	06/24/11 16:44	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0382			mg/L	0.0001	0.0003	06/16/11 0:12	msh
Silica, dissolved	M200.7 ICP	11.1			mg/L	0.4	2	06/07/11 22:48	jjc
Sodium, dissolved	M200.7 ICP	56.4			mg/L	0.3	2	06/24/11 16:44	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0309			mg/L	0.0001	0.0005	06/16/11 0:12	msh
Vanadium, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/07/11 22:48	jjc
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:48	jjc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: DAVIS WELL

ACZ Sample ID: **L88278-01**

Date Sampled: 05/31/11 15:20

Date Received: 06/02/11

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		240			mg/L	2	20	06/06/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Total Alkalinity		240			mg/L	2	20	06/06/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	1	B	*	mg/L	1	5	06/07/11 11:26	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		10.8			%			06/30/11 0:00	calc
Sum of Anions		7.4			meq/L	0.1	0.5	06/30/11 0:00	calc
Sum of Cations		9.2			meq/L	0.1	0.5	06/30/11 0:00	calc
Chloride	SM4500Cl-E	18			mg/L	1	5	06/17/11 13:33	mpb
Fluoride	SM4500F-C	0.6			mg/L	0.1	0.5	06/14/11 15:23	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	24.9			mg/L	0.3	2	06/15/11 21:11	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/16/11 15:30	mpb
Residue, Filterable (TDS) @180C	SM2540C	530			mg/L	10	20	06/02/11 17:23	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/06/11 15:11	ndm
Sulfate	SM4500 SO ₄ -D	100			mg/L	10	50	06/03/11 13:14	cra
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:11	cra
TDS (calculated)	Calculation	445			mg/L	10	50	06/30/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.19						06/30/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: HURDLE WELL

ACZ Sample ID: **L88278-02**

Date Sampled: 05/31/11 08:30

Date Received: 06/02/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 22:58	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0026			mg/L	0.0005	0.002	06/16/11 0:15	msh
Barium, dissolved	M200.7 ICP	0.012	B		mg/L	0.003	0.02	06/07/11 22:58	jjc
Boron, dissolved	M200.7 ICP	0.18			mg/L	0.01	0.05	06/07/11 22:58	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/16/11 0:15	msh
Calcium, dissolved	M200.7 ICP	80.0			mg/L	0.2	1	06/24/11 16:47	aeb
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/16/11 0:15	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:58	jjc
Copper, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/07/11 22:58	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 22:58	jjc
Lead, dissolved	M200.8 ICP-MS	0.0007			mg/L	0.0001	0.0005	06/16/11 0:15	msh
Magnesium, dissolved	M200.7 ICP	82.9			mg/L	0.2	1	06/24/11 16:47	aeb
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/07/11 22:58	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/21/11 15:28	erf
Molybdenum, dissolved	M200.7 ICP	0.01	B		mg/L	0.01	0.05	06/07/11 22:58	jjc
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 22:58	jjc
Potassium, dissolved	M200.7 ICP	10.6			mg/L	0.3	2	06/24/11 16:47	aeb
Selenium, dissolved	M200.8 ICP-MS	0.0464			mg/L	0.0001	0.0003	06/16/11 0:15	msh
Silica, dissolved	M200.7 ICP	13.8			mg/L	0.4	2	06/07/11 22:58	jjc
Sodium, dissolved	M200.7 ICP	63.6			mg/L	0.3	2	06/24/11 16:47	aeb
Uranium, dissolved	M200.8 ICP-MS	0.0274			mg/L	0.0001	0.0005	06/16/11 0:15	msh
Vanadium, dissolved	M200.7 ICP	0.005	B		mg/L	0.005	0.03	06/07/11 22:58	jjc
Zinc, dissolved	M200.7 ICP	0.06			mg/L	0.01	0.05	06/07/11 22:58	jjc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: HURDLE WELL

ACZ Sample ID: **L88278-02**

Date Sampled: 05/31/11 08:30

Date Received: 06/02/11

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		195			mg/L	2	20	06/06/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Total Alkalinity		195			mg/L	2	20	06/06/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	12		*	mg/L	1	5	06/20/11 11:06	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		11.2			%			06/30/11 0:00	calc
Sum of Anions		11.1			meq/L	0.1	0.5	06/30/11 0:00	calc
Sum of Cations		13.9			meq/L	0.1	0.5	06/30/11 0:00	calc
Chloride	SM4500Cl-E	38			mg/L	1	5	06/17/11 13:34	mpb
Fluoride	SM4500F-C	0.6			mg/L	0.1	0.5	06/14/11 15:27	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	29.6			mg/L	0.3	2	06/15/11 21:13	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/16/11 15:32	mpb
Residue, Filterable (TDS) @180C	SM2540C	850			mg/L	10	20	06/02/11 17:25	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/06/11 15:17	ndm
Sulfate	SM4500 SO ₄ -D	290			mg/L	10	50	06/03/11 13:16	cra
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:15	cra
TDS (calculated)	Calculation	697			mg/L	10	50	06/30/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.22						06/30/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BLM WELL

ACZ Sample ID: **L88278-03**

Date Sampled: 05/31/11 12:40

Date Received: 06/02/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 23:02	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0034			mg/L	0.0005	0.002	06/16/11 0:18	msh
Barium, dissolved	M200.7 ICP	0.012	B		mg/L	0.003	0.02	06/07/11 23:02	jjc
Boron, dissolved	M200.7 ICP	0.24			mg/L	0.01	0.05	06/07/11 23:02	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/16/11 0:18	msh
Calcium, dissolved	M200.7 ICP	119			mg/L	0.2	1	06/07/11 23:02	jjc
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/16/11 0:18	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:02	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:02	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 23:02	jjc
Lead, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	06/16/11 0:18	msh
Magnesium, dissolved	M200.7 ICP	101			mg/L	0.2	1	06/07/11 23:02	jjc
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/07/11 23:02	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/21/11 15:30	erf
Molybdenum, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	06/07/11 23:02	jjc
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:02	jjc
Potassium, dissolved	M200.7 ICP	14.6			mg/L	0.3	2	06/07/11 23:02	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0547			mg/L	0.0001	0.0003	06/16/11 0:18	msh
Silica, dissolved	M200.7 ICP	15.1			mg/L	0.4	2	06/07/11 23:02	jjc
Sodium, dissolved	M200.7 ICP	69.2			mg/L	0.3	2	06/07/11 23:02	jjc
Uranium, dissolved	M200.8 ICP-MS	0.0408			mg/L	0.0001	0.0005	06/16/11 0:18	msh
Vanadium, dissolved	M200.7 ICP	0.016	B		mg/L	0.005	0.03	06/07/11 23:02	jjc
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:02	jjc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BLM WELL

ACZ Sample ID: **L88278-03**

Date Sampled: 05/31/11 12:40

Date Received: 06/02/11

Sample Matrix: Ground Water

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		213			mg/L	2	20	06/06/11 0:00	cra
Carbonate as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	06/06/11 0:00	cra
Total Alkalinity		213			mg/L	2	20	06/06/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	17		*	mg/L	1	5	06/20/11 11:06	jlf
Cation-Anion Balance	Calculation								
Cation-Anion Balance		8.9			%			06/30/11 0:00	calc
Sum of Anions		14.8			meq/L	0.1	0.5	06/30/11 0:00	calc
Sum of Cations		17.7			meq/L	0.1	0.5	06/30/11 0:00	calc
Chloride	SM4500Cl-E	22			mg/L	1	5	06/17/11 13:34	mpb
Fluoride	SM4500F-C	0.5			mg/L	0.1	0.5	06/14/11 15:30	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	18.7			mg/L	0.2	1	06/15/11 21:16	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	06/16/11 15:34	mpb
Residue, Filterable (TDS) @180C	SM2540C	1000			mg/L	10	20	06/02/11 17:27	ndm
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	06/06/11 15:19	ndm
Sulfate	SM4500 SO ₄ -D	470			mg/L	10	50	06/03/11 13:18	cra
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	06/07/11 14:18	cra
TDS (calculated)	Calculation	939			mg/L	10	50	06/30/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.06						06/30/11 0:00	calc

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: DUPLICATE

ACZ Sample ID: **L88278-04**

Date Sampled: 05/31/11 00:00

Date Received: 06/02/11

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	06/07/11 23:05	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0033			mg/L	0.0005	0.002	06/16/11 0:27	msh
Barium, dissolved	M200.7 ICP	0.012	B		mg/L	0.003	0.02	06/07/11 23:05	jjc
Boron, dissolved	M200.7 ICP	0.24			mg/L	0.01	0.05	06/07/11 23:05	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	06/16/11 0:27	msh
Calcium, dissolved	M200.7 ICP	117			mg/L	0.2	1	06/07/11 23:05	jjc
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	06/16/11 0:27	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:05	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:05	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	06/07/11 23:05	jjc
Lead, dissolved	M200.8 ICP-MS	0.0003	B		mg/L	0.0001	0.0005	06/16/11 0:27	msh
Magnesium, dissolved	M200.7 ICP	99.4			mg/L	0.2	1	06/07/11 23:05	jjc
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	06/07/11 23:05	jjc
Mercury, dissolved	M245.1 CVAA		U		mg/L	0.0002	0.001	06/21/11 15:32	erf
Molybdenum, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	06/07/11 23:05	jjc
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:05	jjc
Potassium, dissolved	M200.7 ICP	14.4			mg/L	0.3	2	06/07/11 23:05	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0569			mg/L	0.0001	0.0003	06/16/11 0:27	msh
Silica, dissolved	M200.7 ICP	15.0			mg/L	0.4	2	06/07/11 23:05	jjc
Sodium, dissolved	M200.7 ICP	68.5			mg/L	0.3	2	06/07/11 23:05	jjc
Uranium, dissolved	M200.8 ICP-MS	0.0404			mg/L	0.0001	0.0005	06/16/11 0:27	msh
Vanadium, dissolved	M200.7 ICP	0.014	B		mg/L	0.005	0.03	06/07/11 23:05	jjc
Zinc, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	06/07/11 23:05	jjc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extqualist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302785													
WG302785PBW1	PBW	06/06/11 12:11				U	mg/L		-20	20			
WG302785LCSW2	LCSW	06/06/11 12:23	WC110601-1	820.0001		765.5	mg/L	93.4	90	110			
WG302785PBW2	PBW	06/06/11 15:29				U	mg/L		-20	20			
WG302785LCSW5	LCSW	06/06/11 15:43	WC110601-1	820.0001		767.5	mg/L	93.6	90	110			
WG302785PBW3	PBW	06/06/11 19:07				U	mg/L		-20	20			
WG302785LCSW8	LCSW	06/06/11 19:20	WC110601-1	820.0001		773.5	mg/L	94.3	90	110			
L88278-03DUP	DUP	06/06/11 20:50			213	215.8	mg/L				1.3	20	
WG302785PBW4	PBW	06/06/11 22:31				U	mg/L		-20	20			
WG302785LCSW11	LCSW	06/06/11 22:43	WC110601-1	820.0001		777	mg/L	94.8	90	110			
WG302785LCSW14	LCSW	06/07/11 0:57	WC110601-1	820.0001		779.9	mg/L	95.1	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.926	mg/L	96.3	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.09	0.09			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.15		.151	mg/L	100.7	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	200.15		200.498	mg/L	100.2	1	200			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	1		.98	mg/L	98	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	1	U	1.021	mg/L	102.1	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	1	U	1.007	mg/L	100.7	85	115	1.38	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		.933	mg/L	93.3	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.09	0.09			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		.95	mg/L	95	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.09	0.09			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		.95	mg/L	95	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.09	0.09			

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.05215	mg/L	104.3	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.0011	0.0011			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.002002		.00205	mg/L	102.4	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.05005		.05053	mg/L	101	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.05005	.0034	.05518	mg/L	103.5	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.05005	.0034	.05475	mg/L	102.6	70	130	0.78	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.25025		.2482	mg/L	99.2	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0015	0.0015			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.25025		.2527	mg/L	101	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0015	0.0015			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.25025		.2556	mg/L	102.1	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0015	0.0015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

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Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		2.0234	mg/L	101.2	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.009	0.009			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.015		.0118	mg/L	78.7	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.0968	mg/L	96.8	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.4965	mg/L	99.3	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	.004	.5207	mg/L	103.3	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	.004	.5189	mg/L	103	85	115	0.35	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		.979	mg/L	97.9	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.009	0.009			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		.9807	mg/L	98.1	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.009	0.009			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		.9731	mg/L	97.3	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.009	0.009			

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		2.073	mg/L	103.7	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05005		.043	mg/L	85.9	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1001		.1	mg/L	99.9	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5005		.505	mg/L	100.9	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5005	.15	.682	mg/L	106.3	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5005	.15	.68	mg/L	105.9	85	115	0.29	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.021	mg/L	102.1	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.026	mg/L	102.6	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.023	mg/L	102.3	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.05184	mg/L	103.7	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.00022	0.00022			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.000501		.00049	mg/L	97.8	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.0501		.05003	mg/L	99.9	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.0501	U	.05019	mg/L	100.2	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.0501	U	.04948	mg/L	98.8	70	130	1.42	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.1002		.1008	mg/L	100.6	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0003	0.0003			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.1002		.102	mg/L	101.8	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0003	0.0003			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.1002		.1032	mg/L	103	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0003	0.0003			

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Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	100		98.36	mg/L	98.4	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.6	0.6			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	1		1.06	mg/L	106	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	201		203.34	mg/L	101.2	1	200			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	67.99734		68.22	mg/L	100.3	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	67.99734	58.8	130.04	mg/L	104.8	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	67.99734	58.8	128.69	mg/L	102.8	85	115	1.04	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	50		51.14	mg/L	102.3	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.6	0.6			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	50		51.1	mg/L	102.2	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.6	0.6			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	50		51.51	mg/L	103	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.6	0.6			
WG304161													
WG304161ICV	ICV	06/24/11 16:22	II110104-1	100		98.45	mg/L	98.5	95	105			
WG304161ICB	ICB	06/24/11 16:26				U	mg/L		-0.6	0.6			
WG304161PQV	PQV	06/24/11 16:30	II110620-2	1		1.03	mg/L	103	70	130			
WG304161SIC	SIC	06/24/11 16:33	II110623-5	201		200.48	mg/L	99.7	1	200			
WG304161LFB	LFB	06/24/11 16:40	II110617-2	67.99734		67.51	mg/L	99.3	85	115			
L88630-01AS	AS	06/24/11 16:57	II110617-2	67.99734	173	234.56	mg/L	90.5	85	115			
L88630-01ASD	ASD	06/24/11 17:01	II110617-2	67.99734	173	233.09	mg/L	88.4	85	115	0.63	20	
WG304161CCV1	CCV	06/24/11 17:14	II110104-2	50		47.86	mg/L	95.7	90	110			
WG304161CCB1	CCB	06/24/11 17:18				U	mg/L		-0.6	0.6			
WG304161CCV2	CCV	06/24/11 17:56	II110104-2	50		47.33	mg/L	94.7	90	110			
WG304161CCB2	CCB	06/24/11 17:59				U	mg/L		-0.6	0.6			
WG304161CCV3	CCV	06/24/11 18:20	II110104-2	50		46.98	mg/L	94	90	110			
WG304161CCB3	CCB	06/24/11 18:23				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Carbon, total organic (TOC)

SM5310B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG299416													
WG299416ICV	ICV	04/08/11 14:38	WI110203-1	100		107.4	mg/L	107.4	90	110			
WG299416ICB	ICB	04/08/11 14:38				1.5	mg/L		-3	3			
WG302879													
WG302879CCV1	CCV	06/07/11 11:25	WI110602-1	50		52.5	mg/L	105	90	110			
WG302879CCB1	CCB	06/07/11 11:25				U	mg/L		-3	3			
WG302879LFB1	LFB	06/07/11 11:25	WI101123-1	50		53.2	mg/L	106.4	90	110			
WG302879CCV2	CCV	06/07/11 11:25	WI110602-1	50		53.7	mg/L	107.4	90	110			
WG302879CCB2	CCB	06/07/11 11:25				U	mg/L		-3	3			
WG302879CCV3	CCV	06/07/11 11:25	WI110602-1	50		53.8	mg/L	107.6	90	110			
WG302879CCB3	CCB	06/07/11 11:25				U	mg/L		-3	3			
WG302879LFB2	LFB	06/07/11 11:25	WI101123-1	50		51.5	mg/L	103	90	110			
WG302879CCV4	CCV	06/07/11 11:25	WI110602-1	50		52.2	mg/L	104.4	90	110			
WG302879CCB4	CCB	06/07/11 11:25				U	mg/L		-3	3			
L88268-03DUP	DUP	06/07/11 11:25			3	2.6	mg/L				14.3	20	RA
WG302879CCV5	CCV	06/07/11 11:25	WI110602-1	50		53.3	mg/L	106.6	90	110			
WG302879CCB5	CCB	06/07/11 11:25				U	mg/L		-3	3			
L88268-04AS	AS	06/07/11 11:25	WI101123-1	50	4	53.4	mg/L	98.8	90	110			
WG302879CCV6	CCV	06/07/11 11:26	WI110602-1	50		52.5	mg/L	105	90	110			
WG302879CCB6	CCB	06/07/11 11:26				U	mg/L		-3	3			
WG303466													
WG303466CCV1	CCV	06/20/11 11:06	WI110602-1	50		49.5	mg/L	99	90	110			
WG303466CCB1	CCB	06/20/11 11:06				U	mg/L		-3	3			
WG303466LFB	LFB	06/20/11 11:06	WI101123-1	50		49.3	mg/L	98.6	90	110			
L88278-02DUP	DUP	06/20/11 11:06			12	15.5	mg/L				25.5	20	R1
L88278-03AS	AS	06/20/11 11:06	WI101123-1	50	17	69.8	mg/L	105.6	90	110			
WG303466CCV2	CCV	06/20/11 11:06	WI110602-1	50		50.9	mg/L	101.8	90	110			
WG303466CCB2	CCB	06/20/11 11:06				U	mg/L		-3	3			
WG303466CCV3	CCV	06/20/11 11:06	WI110602-1	50		49.6	mg/L	99.2	90	110			
WG303466CCB3	CCB	06/20/11 11:06				U	mg/L		-3	3			
WG303466CCV4	CCV	06/20/11 11:06	WI110602-1	50		51.2	mg/L	102.4	90	110			
WG303466CCB4	CCB	06/20/11 11:06				U	mg/L		-3	3			

Cesium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.05383	mg/L	107.7	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.00044	0.00044			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.001		.001	mg/L	100	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.05		.05096	mg/L	101.9	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.05	U	.05209	mg/L	104.2	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.05	U	.05178	mg/L	103.6	70	130	0.6	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.1		.101	mg/L	101	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0006	0.0006			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.1		.1021	mg/L	102.1	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0006	0.0006			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.1		.1031	mg/L	103.1	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0006	0.0006			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303654													
WG303654ICB	ICB	06/17/11 13:22				U	mg/L		-3	3			
WG303654ICV	ICV	06/17/11 13:22	WI101005-3	55.165		59.3	mg/L	107.5	90	110			
WG303654CCB1	CCB	06/17/11 13:33				U	mg/L		-3	3			
WG303654CCV1	CCV	06/17/11 13:33	WI110325-1	50		52.3	mg/L	104.6	90	110			
WG303654LFB1	LFB	06/17/11 13:33	WI110322-1	30		32.4	mg/L	108	90	110			
L88274-02DUP	DUP	06/17/11 13:33			81	81.6	mg/L				0.7	20	
WG303654CCB2	CCB	06/17/11 13:34				U	mg/L		-3	3			
WG303654CCV2	CCV	06/17/11 13:34	WI110325-1	50		52.6	mg/L	105.2	90	110			
WG303654CCB3	CCB	06/17/11 13:35				U	mg/L		-3	3			
WG303654CCV3	CCV	06/17/11 13:35	WI110325-1	50		52.4	mg/L	104.8	90	110			
WG303654CCB4	CCB	06/17/11 13:43				U	mg/L		-3	3			
WG303654CCV4	CCV	06/17/11 13:43	WI110325-1	50		52.4	mg/L	104.8	90	110			
WG303654LFB2	LFB	06/17/11 13:43	WI110322-1	30		32.3	mg/L	107.7	90	110			
L88274-01AS	AS	06/17/11 13:45	CL10X	30	100	130	mg/L	100	90	110			
WG303654CCB5	CCB	06/17/11 13:45				U	mg/L		-3	3			
WG303654CCV5	CCV	06/17/11 13:45	WI110325-1	50		52.4	mg/L	104.8	90	110			
WG303654CCB6	CCB	06/17/11 13:53				U	mg/L		-3	3			
WG303654CCV6	CCV	06/17/11 13:53	WI110325-1	50		52.1	mg/L	104.2	90	110			
WG303654CCB7	CCB	06/17/11 13:54				U	mg/L		-3	3			
WG303654CCV7	CCV	06/17/11 13:54	WI110325-1	50		52.6	mg/L	105.2	90	110			
WG303654CCB8	CCB	06/17/11 14:00				U	mg/L		-3	3			
WG303654CCV8	CCV	06/17/11 14:00	WI110325-1	50		52.4	mg/L	104.8	90	110			
WG303654CCB9	CCB	06/17/11 14:02				U	mg/L		-3	3			
WG303654CCV9	CCV	06/17/11 14:02	WI110325-1	50		52.3	mg/L	104.6	90	110			

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.996	mg/L	99.8	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.042	mg/L	84	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.115	mg/L	115	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.495	mg/L	99	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	U	.533	mg/L	106.6	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	U	.533	mg/L	106.6	85	115	0	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.021	mg/L	102.1	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.018	mg/L	101.8	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.027	mg/L	102.7	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.963	mg/L	98.2	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.045	mg/L	90	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.091	mg/L	91	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.498	mg/L	99.6	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	U	.512	mg/L	102.4	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	U	.507	mg/L	101.4	85	115	0.98	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		.95	mg/L	95	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		.957	mg/L	95.7	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		.955	mg/L	95.5	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Fluoride

SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303346													
WG303346ICV	ICV	06/14/11 14:08	WC110614-1	2		1.92	mg/L	96	95	105			
WG303346ICB	ICB	06/14/11 14:29				U	mg/L		-0.3	0.3			
WG303346PQV	PQV	06/14/11 14:32	WC110414-3	.5		.5	mg/L	100	70	130			
WG303346LFB1	LFB	06/14/11 14:35	WC110414-4	5		4.8	mg/L	96	90	110			
L88238-01DUP	DUP	06/14/11 14:48			1.1	1.11	mg/L				0.9	20	
L88238-01AS	AS	06/14/11 14:51	WC110414-4	5	1.1	6.01	mg/L	98.2	90	110			
WG303346CCV1	CCV	06/14/11 15:12	WC110614-1	2		1.99	mg/L	99.5	90	110			
WG303346CCB1	CCB	06/14/11 15:19				U	mg/L		-0.3	0.3			
WG303346CCV2	CCV	06/14/11 16:10	WC110614-1	2		2.01	mg/L	100.5	90	110			
WG303346CCB2	CCB	06/14/11 16:17				U	mg/L		-0.3	0.3			
WG303346LFB2	LFB	06/14/11 16:45	WC110414-4	5		4.78	mg/L	95.6	90	110			
WG303346CCV3	CCV	06/14/11 16:58	WC110614-1	2		1.97	mg/L	98.5	90	110			
WG303346CCB3	CCB	06/14/11 17:05				U	mg/L		-0.3	0.3			
WG303346CCV4	CCV	06/14/11 17:51	WC110614-1	2		2	mg/L	100	90	110			
WG303346CCB4	CCB	06/14/11 17:59				U	mg/L		-0.3	0.3			
WG303346CCV5	CCV	06/14/11 18:36	WC110614-1	2		1.98	mg/L	99	90	110			
WG303346CCB5	CCB	06/14/11 18:44				U	mg/L		-0.3	0.3			
WG303346CCV6	CCV	06/14/11 18:54	WC110614-1	2		2.02	mg/L	101	90	110			
WG303346CCB6	CCB	06/14/11 19:02				U	mg/L		-0.3	0.3			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.988	mg/L	99.4	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.06	0.06			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.042	mg/L	84	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	200.05		200.053	mg/L	100	1	200			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	1		1.052	mg/L	105.2	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	1	U	1.078	mg/L	107.8	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	1	U	1.073	mg/L	107.3	85	115	0.46	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.027	mg/L	102.7	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.06	0.06			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.012	mg/L	101.2	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.06	0.06			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.017	mg/L	101.7	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.06	0.06			

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.05127	mg/L	102.5	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.00022	0.00022			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.0005005		.00049	mg/L	97.9	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.05005		.0495	mg/L	98.9	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.05005	.0003	.05131	mg/L	101.9	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.05005	.0003	.0511	mg/L	101.5	70	130	0.41	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.25025		.25	mg/L	99.9	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0003	0.0003			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.25025		.2508	mg/L	100.2	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0003	0.0003			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.25025		.255	mg/L	101.9	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	100		102.54	mg/L	102.5	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.6	0.6			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	1		.86	mg/L	86	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	201		217.63	mg/L	108.3	1	200			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	50.00321		51.22	mg/L	102.4	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	50.00321	36.3	92.49	mg/L	112.4	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	50.00321	36.3	91.32	mg/L	110	85	115	1.27	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	50		52.98	mg/L	106	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.6	0.6			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	50		52.93	mg/L	105.9	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.6	0.6			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	50		53.55	mg/L	107.1	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.6	0.6			

WG304161

WG304161ICV	ICV	06/24/11 16:22	II110104-1	100		102.31	mg/L	102.3	95	105			
WG304161ICB	ICB	06/24/11 16:26				U	mg/L		-0.6	0.6			
WG304161PQV	PQV	06/24/11 16:30	II110620-2	1		.95	mg/L	95	70	130			
WG304161SIC	SIC	06/24/11 16:33	II110623-5	201		212.1	mg/L	105.5	1	200			
WG304161LFB	LFB	06/24/11 16:40	II110617-2	50.00321		50.28	mg/L	100.6	85	115			
L88630-01AS	AS	06/24/11 16:57	II110617-2	50.00321	56.7	108.57	mg/L	103.7	85	115			
L88630-01ASD	ASD	06/24/11 17:01	II110617-2	50.00321	56.7	107.66	mg/L	101.9	85	115	0.84	20	
WG304161CCV1	CCV	06/24/11 17:14	II110104-2	50		48.21	mg/L	96.4	90	110			
WG304161CCB1	CCB	06/24/11 17:18				U	mg/L		-0.6	0.6			
WG304161CCV2	CCV	06/24/11 17:56	II110104-2	50		47.76	mg/L	95.5	90	110			
WG304161CCB2	CCB	06/24/11 17:59				U	mg/L		-0.6	0.6			
WG304161CCV3	CCV	06/24/11 18:20	II110104-2	50		47.26	mg/L	94.5	90	110			
WG304161CCB3	CCB	06/24/11 18:23				U	mg/L		-0.6	0.6			

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.9495	mg/L	97.5	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.015	0.015			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.025		.0209	mg/L	83.6	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	50.025		46.8923	mg/L	93.7	1	200			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.5145	mg/L	102.9	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	U	.5297	mg/L	105.9	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	U	.5296	mg/L	105.9	85	115	0.02	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		.9908	mg/L	99.1	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.015	0.015			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		.9991	mg/L	99.9	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.015	0.015			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.0021	mg/L	100.2	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.015	0.015			

Energy Fuels Resources Corporation
 Project ID: PINON RIDGE

ACZ Project ID: **L88278**

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303662													
WG303662ICV	ICV	06/21/11 10:53	II110607-1	.005015		.00498	mg/L	99.3	95	105			
WG303662ICB	ICB	06/21/11 10:55				U	mg/L		-0.0002	0.0002			
WG303750													
WG303750CCV1	CCV	06/21/11 15:18	II110607-1	.005015		.00496	mg/L	98.9	90	110			
WG303750CCB1	CCB	06/21/11 15:20				U	mg/L		-0.0002	0.0002			
WG303750LRB	LRB	06/21/11 15:22				U	mg/L		-0.00044	0.00044			
WG303750LFB	LFB	06/21/11 15:24	II110613-3	.002002		.00184	mg/L	91.9	85	115			
L88306-03LFM	LFM	06/21/11 15:40	II110613-3	.002002	U	.00179	mg/L	89.4	85	115			
WG303750CCV2	CCV	06/21/11 15:42	II110607-1	.005015		.00478	mg/L	95.3	90	110			
WG303750CCB2	CCB	06/21/11 15:44				U	mg/L		-0.0002	0.0002			
L88306-03LFMD	LFMD	06/21/11 15:46	II110613-3	.002002	U	.00175	mg/L	87.4	85	115	2.26	20	
WG303750CCV3	CCV	06/21/11 16:08	II110607-1	.005015		.0049	mg/L	97.7	90	110			
WG303750CCB3	CCB	06/21/11 16:10				U	mg/L		-0.0002	0.0002			
WG303750CCV4	CCV	06/21/11 16:24	II110607-1	.005015		.00483	mg/L	96.3	90	110			
WG303750CCB4	CCB	06/21/11 16:26				U	mg/L		-0.0002	0.0002			

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		2.022	mg/L	101.1	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.046	mg/L	92	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.112	mg/L	112	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.528	mg/L	105.6	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	.01	.552	mg/L	108.4	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	.01	.538	mg/L	105.6	85	115	2.57	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.035	mg/L	103.5	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.021	mg/L	102.1	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.023	mg/L	102.3	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2.002		1.982	mg/L	99	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.052	mg/L	104	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.096	mg/L	96	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.507	mg/L	101.4	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	U	.528	mg/L	105.6	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	U	.521	mg/L	104.2	85	115	1.33	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1.001		1.026	mg/L	102.5	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1.001		1.018	mg/L	101.7	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1.001		1.037	mg/L	103.6	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303502													
WG303502ICV	ICV	06/15/11 19:15	WI110330-1	2.416		2.325	mg/L	96.2	90	110			
WG303502ICB	ICB	06/15/11 19:16				U	mg/L		-0.06	0.06			
WG303504													
WG303504CCV1	CCV	06/15/11 20:16	WI110610-5	2		1.955	mg/L	97.8	90	110			
WG303504CCB1	CCB	06/15/11 20:17				U	mg/L		-0.06	0.06			
WG303504LFB1	LFB	06/15/11 20:19	WI110322-5	2		2.019	mg/L	101	90	110			
L88274-02DUP	DUP	06/15/11 20:23			3.15	3.151	mg/L				0	20	
WG303504CCV2	CCV	06/15/11 20:31	WI110610-5	2		1.968	mg/L	98.4	90	110			
WG303504CCB2	CCB	06/15/11 20:32				U	mg/L		-0.06	0.06			
WG303504CCV3	CCV	06/15/11 20:45	WI110610-5	2		1.959	mg/L	98	90	110			
WG303504CCB3	CCB	06/15/11 20:46				U	mg/L		-0.06	0.06			
WG303504LFB2	LFB	06/15/11 20:53	WI110322-5	2		1.996	mg/L	99.8	90	110			
WG303504CCV4	CCV	06/15/11 20:59	WI110610-5	2		1.944	mg/L	97.2	90	110			
WG303504CCB4	CCB	06/15/11 21:00				U	mg/L		-0.06	0.06			
L88274-01AS	AS	06/15/11 21:10	WI110322-5	6	3.34	9.116	mg/L	96.3	90	110			
WG303504CCV5	CCV	06/15/11 21:14	WI110610-5	2		1.945	mg/L	97.3	90	110			
WG303504CCB5	CCB	06/15/11 21:15				U	mg/L		-0.06	0.06			
WG303504CCV6	CCV	06/15/11 21:24	WI110610-5	2		1.93	mg/L	96.5	90	110			
WG303504CCB6	CCB	06/15/11 21:25				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303550													
WG303550ICV	ICV	06/16/11 14:02	WI101121-1	1.004		.995	mg/L	99.1	90	110			
WG303550ICB	ICB	06/16/11 14:05				U	mg/L		-0.15	0.15			
WG303574													
WG303574CCV1	CCV	06/16/11 15:27	WI100902-1	2		2.019	mg/L	101	90	110			
WG303574CCB1	CCB	06/16/11 15:28				U	mg/L		-0.15	0.15			
WG303574LFB1	LFB	06/16/11 15:29	WI110211-5	1		1.037	mg/L	103.7	90	110			
L88278-01AS	AS	06/16/11 15:31	WI110211-5	1	U	1.003	mg/L	100.3	90	110			
L88278-02DUP	DUP	06/16/11 15:33			U	U	mg/L				0	20	RA
WG303574CCV2	CCV	06/16/11 15:40	WI100902-1	2		2.037	mg/L	101.9	90	110			
WG303574CCB2	CCB	06/16/11 15:41				U	mg/L		-0.15	0.15			
WG303574CCV3	CCV	06/16/11 15:53	WI100902-1	2		2.056	mg/L	102.8	90	110			
WG303574CCB3	CCB	06/16/11 15:54				U	mg/L		-0.15	0.15			
WG303574LFB2	LFB	06/16/11 16:01	WI110211-5	1		1.013	mg/L	101.3	90	110			
WG303574CCV4	CCV	06/16/11 16:06	WI100902-1	2		2.041	mg/L	102.1	90	110			
WG303574CCB4	CCB	06/16/11 16:07				U	mg/L		-0.15	0.15			
WG303574CCV5	CCV	06/16/11 16:19	WI100902-1	2		2.013	mg/L	100.7	90	110			
WG303574CCB5	CCB	06/16/11 16:20				U	mg/L		-0.15	0.15			

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	20		20.22	mg/L	101.1	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.9	0.9			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	1.5		1.49	mg/L	99.3	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	1.5		1.35	mg/L	90	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	100.0031		101.35	mg/L	101.3	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	100.0031	6.8	113.6	mg/L	106.8	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	100.0031	6.8	112.1	mg/L	105.3	85	115	1.33	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	10		9.77	mg/L	97.7	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.9	0.9			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	10		9.8	mg/L	98	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.9	0.9			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	10		9.93	mg/L	99.3	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.9	0.9			
WG304161													
WG304161ICV	ICV	06/24/11 16:22	II110104-1	20		19.92	mg/L	99.6	95	105			
WG304161ICB	ICB	06/24/11 16:26				U	mg/L		-0.9	0.9			
WG304161PQV	PQV	06/24/11 16:30	II110620-2	1.5		1.59	mg/L	106	70	130			
WG304161SIC	SIC	06/24/11 16:33	II110623-5	1.5		1.49	mg/L	99.3	80	120			
WG304161LFB	LFB	06/24/11 16:40	II110617-2	100.0031		101.94	mg/L	101.9	85	115			
L88630-01AS	AS	06/24/11 16:57	II110617-2	100.0031	6.9	110.54	mg/L	103.6	85	115			
L88630-01ASD	ASD	06/24/11 17:01	II110617-2	100.0031	6.9	109.01	mg/L	102.1	85	115	1.39	20	
WG304161CCV1	CCV	06/24/11 17:14	II110104-2	10		9.97	mg/L	99.7	90	110			
WG304161CCB1	CCB	06/24/11 17:18				U	mg/L		-0.9	0.9			
WG304161CCV2	CCV	06/24/11 17:56	II110104-2	10		9.73	mg/L	97.3	90	110			
WG304161CCB2	CCB	06/24/11 17:59				U	mg/L		-0.9	0.9			
WG304161CCV3	CCV	06/24/11 18:20	II110104-2	10		9.72	mg/L	97.2	90	110			
WG304161CCB3	CCB	06/24/11 18:23				U	mg/L		-0.9	0.9			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302674													
WG302674PBW	PBW	06/02/11 17:09				U	mg/L		-20	20			
WG302674LCSW	LCSW	06/02/11 17:11	PCN37134	260		260	mg/L	100	80	120			
L88280-02DUP	DUP	06/02/11 17:33			300	302	mg/L				0.7	20	

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302822													
WG302822PBW	PBW	06/06/11 14:41				U	mg/L		-15	15			
WG302822LCSW	LCSW	06/06/11 14:43	PCN37133	160		152	mg/L	95	80	120			
L88278-01DUP	DUP	06/06/11 15:14			U	U	mg/L				0	20	RA
L88284-03DUP	DUP	06/06/11 15:45			6	9	mg/L				40	20	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.0537	mg/L	107.4	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.00022	0.00022			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.00025025		.00025	mg/L	99.9	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.05005		.04921	mg/L	98.3	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.05005	.0547	.1097	mg/L	109.9	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.05005	.0547	.1102	mg/L	110.9	70	130	0.45	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.25025		.2506	mg/L	100.1	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0003	0.0003			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.25025		.2557	mg/L	102.2	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0003	0.0003			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.25025		.2557	mg/L	102.2	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0003	0.0003			

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	42.8		41.42	mg/L	96.8	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-1.2	1.2			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	2.14		1.99	mg/L	93	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	2.14		2	mg/L	93.5	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	21.4		20.81	mg/L	97.2	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	21.4	47.6	67.29	mg/L	92	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	21.4	47.6	67.15	mg/L	91.4	85	115	0.21	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	21.4		20.87	mg/L	97.5	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-1.2	1.2			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	21.4		21.11	mg/L	98.6	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-1.2	1.2			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	21.4		21.07	mg/L	98.5	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-1.2	1.2			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	100		101.57	mg/L	101.6	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.9	0.9			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	1.5021		1.53	mg/L	101.9	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	1.5021		1.49	mg/L	99.2	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	100.018		101.65	mg/L	101.6	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	100.018	65.8	167.63	mg/L	101.8	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	100.018	65.8	165.85	mg/L	100	85	115	1.07	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	50		49.83	mg/L	99.7	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.9	0.9			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	50		50.28	mg/L	100.6	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.9	0.9			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	50		50.36	mg/L	100.7	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.9	0.9			

WG304161

WG304161ICV	ICV	06/24/11 16:22	II110104-1	100		99.77	mg/L	99.8	95	105			
WG304161ICB	ICB	06/24/11 16:26				U	mg/L		-0.9	0.9			
WG304161PQV	PQV	06/24/11 16:30	II110620-2	1.5021		1.63	mg/L	108.5	70	130			
WG304161SIC	SIC	06/24/11 16:33	II110623-5	1.5021		1.64	mg/L	109.2	80	120			
WG304161LFB	LFB	06/24/11 16:40	II110617-2	100.018		102.16	mg/L	102.1	85	115			
L88630-01AS	AS	06/24/11 16:57	II110617-2	100.018	41.6	141.52	mg/L	99.9	85	115			
L88630-01ASD	ASD	06/24/11 17:01	II110617-2	100.018	41.6	140.67	mg/L	99.1	85	115	0.6	20	
WG304161CCV1	CCV	06/24/11 17:14	II110104-2	50		49.94	mg/L	99.9	90	110			
WG304161CCB1	CCB	06/24/11 17:18				U	mg/L		-0.9	0.9			
WG304161CCV2	CCV	06/24/11 17:56	II110104-2	50		49.04	mg/L	98.1	90	110			
WG304161CCB2	CCB	06/24/11 17:59				U	mg/L		-0.9	0.9			
WG304161CCV3	CCV	06/24/11 18:20	II110104-2	50		48.81	mg/L	97.6	90	110			
WG304161CCB3	CCB	06/24/11 18:23				U	mg/L		-0.9	0.9			

Sulfate

SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302706													
WG302706PBW	PBW	06/03/11 12:30				U	mg/L		-30	30			
WG302706LCSW	LCSW	06/03/11 12:32	WC110510-2	100		104	mg/L	104	80	120			
L88278-03DUP	DUP	06/03/11 13:20			470	451	mg/L				4.1	20	

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Sulfide as S

376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302891													
WG302891ICV	ICV	06/07/11 13:00	WC110607-6	.34934		.37	mg/L	105.9	90	110			
WG302891ICB	ICB	06/07/11 13:03				U	mg/L		-0.06	0.06			
WG302891LFB	LFB	06/07/11 13:07	WC110607-9	.2168933		.236	mg/L	108.8	80	120			
WG302891CCV1	CCV	06/07/11 13:45	WC110607-7	.16267		.159	mg/L	97.7	90	110			
WG302891CCB1	CCB	06/07/11 13:48				U	mg/L		-0.06	0.06			
WG302891CCV2	CCV	06/07/11 14:30	WC110607-7	.16267		.157	mg/L	96.5	90	110			
WG302891CCB2	CCB	06/07/11 14:33				U	mg/L		-0.06	0.06			
L88345-01AS	AS	06/07/11 14:48	WC110607-9	.2168933	.04	.087	mg/L	21.7	75	125			M2
L88345-01DUP	DUP	06/07/11 14:52			.04	.045	mg/L				11.8	20	RA
WG302891CCV3	CCV	06/07/11 14:56	WC110607-7	.16267		.155	mg/L	95.3	90	110			
WG302891CCB3	CCB	06/07/11 15:00				U	mg/L		-0.06	0.06			

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG303482													
WG303482ICV	ICV	06/16/11 0:01	MS110414-1	.05		.05237	mg/L	104.7	90	110			
WG303482ICB	ICB	06/16/11 0:04				U	mg/L		-0.00022	0.00022			
WG303482PQV	PQV	06/16/11 0:07	MS110615-2	.0005		.00049	mg/L	98	70	130			
WG303482LFB	LFB	06/16/11 0:10	MS110523-2	.05		.05049	mg/L	101	85	115			
L88278-03AS	AS	06/16/11 0:21	MS110523-2	.05	.0408	.09381	mg/L	106	70	130			
L88278-03ASD	ASD	06/16/11 0:24	MS110523-2	.05	.0408	.09335	mg/L	105.1	70	130	0.49	20	
WG303482CCV1	CCV	06/16/11 0:33	MS110603-4	.1		.09941	mg/L	99.4	90	110			
WG303482CCB1	CCB	06/16/11 0:35				U	mg/L		-0.0003	0.0003			
WG303482CCV2	CCV	06/16/11 1:07	MS110603-4	.1		.09929	mg/L	99.3	90	110			
WG303482CCB2	CCB	06/16/11 1:10				U	mg/L		-0.0003	0.0003			
WG303482CCV3	CCV	06/16/11 1:34	MS110603-4	.1		.1007	mg/L	100.7	90	110			
WG303482CCB3	CCB	06/16/11 1:36				U	mg/L		-0.0003	0.0003			

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		2.1081	mg/L	105.4	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.015	0.015			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.025		.0227	mg/L	90.8	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.1104	mg/L	110.4	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.5331	mg/L	106.6	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	.02	.573	mg/L	110.6	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	.02	.565	mg/L	109	85	115	1.41	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.0554	mg/L	105.5	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.015	0.015			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.0674	mg/L	106.7	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.015	0.015			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.0698	mg/L	107	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.015	0.015			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG302887													
WG302887ICV	ICV	06/07/11 21:59	II110104-1	2		1.975	mg/L	98.8	95	105			
WG302887ICB	ICB	06/07/11 22:03				U	mg/L		-0.03	0.03			
WG302887PQV	PQV	06/07/11 22:07	II110531-2	.05		.048	mg/L	96	70	130			
WG302887SIC	SIC	06/07/11 22:10	II110531-1	.1		.096	mg/L	96	80	120			
WG302887LFB	LFB	06/07/11 22:17	II110601-2	.5		.512	mg/L	102.4	85	115			
L88238-01AS	AS	06/07/11 22:24	II110601-2	.5	U	.539	mg/L	107.8	85	115			
L88238-01ASD	ASD	06/07/11 22:27	II110601-2	.5	U	.532	mg/L	106.4	85	115	1.31	20	
WG302887CCV1	CCV	06/07/11 22:51	II110104-2	1		1.008	mg/L	100.8	90	110			
WG302887CCB1	CCB	06/07/11 22:55				U	mg/L		-0.03	0.03			
WG302887CCV2	CCV	06/07/11 23:32	II110104-2	1		1.011	mg/L	101.1	90	110			
WG302887CCB2	CCB	06/07/11 23:36				U	mg/L		-0.03	0.03			
WG302887CCV3	CCV	06/07/11 23:56	II110104-2	1		1.011	mg/L	101.1	90	110			
WG302887CCB3	CCB	06/08/11 0:00				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88278-01	WG302879	Carbon, total organic (TOC)	SM5310B	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG303574	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302822	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88278-02	WG303466	Carbon, total organic (TOC)	SM5310B	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
	WG303574	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302822	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L88278-03	WG303466	Carbon, total organic (TOC)	SM5310B	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
	WG303574	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302822	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG302891	Sulfide as S	376.2 - Methylene Blue	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: DAVIS WELL

Locator:

ACZ Sample ID: **L88278-01**

Date Sampled: 05/31/11 15:20

Date Received: 06/02/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/27/11 13:20		19	5.1	2.3	pCi/L	*	zsh
Gross Beta	06/27/11 13:20		27	4.1	4	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		1.8	4.8	11	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/11 13:18		0.66	0.15	0.26	pCi/L		meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 14:55		0.78	0.45	0.96	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:33		-0.08	0.46	0.58	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: HURDLE WELL

Locator:

ACZ Sample ID: **L88278-02**

Date Sampled: 05/31/11 8:30

Date Received: 06/02/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/27/11 13:21		16	5.7	3.3	pCi/L	*	zsh
Gross Beta	06/27/11 13:21		19	4.8	5.9	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		0.0	5.6	13	pCi/L	*	jjg

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/11 13:19		0.12	0.1	0.25	pCi/L		meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 14:55		0.5	0.43	1.1	pCi/L		jjg

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:34		0.03	0.27	0.59	pCi/L	*	jjg

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: BLM WELL

Locator:

ACZ Sample ID: **L88278-03**

Date Sampled: 05/31/11 12:40

Date Received: 06/02/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/27/11 13:23		26	7.3	3.4	pCi/L	*	zsh
Gross Beta	06/27/11 13:23		24	5.5	5.9	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		0.47	3.9	8.7	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/11 13:21		0.43	0.13	0.21	pCi/L		meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:46		0.38	0.46	0.96	pCi/L		jig

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:36		0.16	0.33	0.65	pCi/L	*	jig

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

Sample ID: DUPLICATE

Locator:

ACZ Sample ID: **L88278-04**

Date Sampled: 05/31/11 0:00

Date Received: 06/02/11

Sample Matrix: Ground Water

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	06/27/11 13:24		27	7.5	3.7	pCi/L	*	zsh
Gross Beta	06/27/11 13:24		24	6.2	6.8	pCi/L		zsh

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	06/27/11 15:42		3.2	4.5	9.7	pCi/L	*	jjg

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/11 13:22		0.35	0.12	0.08	pCi/L		meg

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	06/22/11 16:46		0.59	0.43	1.2	pCi/L		jjg

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	06/15/11 15:37		-0.23	0.33	0.6	pCi/L	*	jjg

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

Project ID: PINON RIDGE

Alpha M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304402																
WG303655PBW	PBW	06/27/11						.09	0.74	0.94			1.88			
WG303655LCSW	LCSW	06/27/11	RC110304-1	81.06				94	8.4	1.4	116	81	138			
L88252-01DUP	DUP-RE	06/27/11			10	4.6	3	15	5.1	2.9				0.73	2	
L88252-02DUP	DUP-RE	06/27/11			13	4.7	2.8	14	5.1	3				0.14	2	
L88278-02MS	MS	06/27/11	RC110304-1	115.8	16	5.7	3.3	52	9.5	3.2	31.1	81	138			M2

Beta M900.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304402																
WG303655PBW	PBW	06/27/11						1.7	1.9	2.7			5.4			
WG303655LCSW	LCSW	06/27/11	RC110517-11	100				120	7	4	116	65	117			
L88252-01DUP	DUP-RE	06/27/11			15	4.6	5.2	19	4.3	5.2				0.64	2	
L88252-02DUP	DUP-RE	06/27/11			12	4.3	5.1	18	4.7	5.2				0.94	2	
L88278-03MS	MS	06/27/11	RC110517-11	142.86	24	5.5	5.9	160	10	5.9	95.2	65	117			

Lead 210, dissolved EICHROM, OTW01 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304455																
WG303540PBW	PBW	06/27/11						2.1	2.9	6.4			12.8			
WG303540LCSW	LCSW	06/27/11	RC100623-1	75.04				43	5.2	8	57.3	47	101			
L88278-03MS	MS	06/28/11	RC100623-1	75.03	0.47	3.9	8.7	39	5.5	9.1	51.4	47	101			
L88417-05DUP	DUP-RE	06/28/11			0.74	4.3	9.6	0	4	8.6				0.13	2	
L88278-02DUP	DUP-RE	06/28/11			0	5.6	13	0	3.3	7.2				0	2	

Energy Fuels Resources Corporation

Project ID: PINON RIDGE

ACZ Project ID: **L88278**
Radium 226, dissolved

M903.1

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG303400																
WG302926PBW	PBW	06/13/11						.17	0.11	0.5			1			
WG302926LCSW	LCSW	06/13/11	RC100624-2	23.92				22	0.58	0.19	92	55	124			
L88274-01DUP	DUP-RE	06/13/11			0	0.12	0.16	.32	0.13	0.35				1.81	2	
L88278-01DUP	DUP-RE	06/13/11			0.66	0.15	0.26	.32	0.14	0.19				1.66	2	
L88274-02MS	MS	06/13/11	RC100624-2	23.92	0.23	0.07	0.09	28	0.71	0.2	116.1	55	124			

Radium 228, dissolved

M904.0

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304079																
WG303723LCSW	LCSW	06/22/11	PCN35626	18.06				10	0.89	1.2	55.4	47	123			
WG303723PBW	PBW	06/22/11						.16	0.23	0.49			0.98			
L88278-01MS	MS	06/22/11	PCN35626	18.06	0.78	0.45	0.96	12	0.92	1.5	62.1	47	123			
L88294-01DUP	DUP-RE	06/22/11			0.16	0.2	0.59	.2	0.22	0.52				0.13	2	
L88306-03DUP	DUP-RE	06/22/11			1.8	0.56	1.2	.92	0.51	1.2				1.16	2	

Thorium 230, dissolved

ESM 4506

Units: pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG304085																
WG303348PBW	PBW	06/15/11						.76	0.48	0.58			1.16			
WG303348LCSW	LCSW	06/15/11	RC091215-1	162.12				170	4.5	0.6	104.9	89	123			
L88208-02DUP	DUP-RE	06/15/11			-0.15	0.37	0.6	-.37	0.44	0.62				0.38	2	
L88457-01DUP	DUP-RE	06/15/11			-0.24	0.35	0.58	-.19	0.32	0.6				0.11	2	
L88208-02MS	MS	06/15/11	RC091215-1	162.12	-0.15	0.37	0.6	170	4.4	0.6	105	89	123			

Energy Fuels Resources Corporation

ACZ Project ID: **L88278**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L88278-01	WG304402	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
L88278-02	WG304402	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
L88278-03	WG304402	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.
L88278-04	WG304402	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG304455	Lead 210, dissolved	EICHROM, OTW01	N1	See Case Narrative.

Energy Fuels Resources CorporationACZ Project ID: **L88278****Metals Analysis**

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Cesium, dissolved

M200.8 ICP-MS

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved

EICHROM, OTW01

Thorium 230, dissolved

ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S

376.2 - Methylene Blue

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88278
Date Received: 06/02/2011 10:00
Received By: ksj
Date Printed: 6/2/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (μR/hr)
2897		5	15
3107		3.3	14

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation
PINON RIDGE

ACZ Project ID: L88278
Date Received: 06/02/2011 10:00
Received By: ksj
Date Printed: 6/2/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L88278-01	DAVIS WELL		Y			Y			Y			☐
L88278-02	HURDLE WELL		Y			Y			Y			☐
L88278-03	BLM WELL		Y			Y			Y			☐
L88278-04	DUPLICATE		Y									☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: ksj



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ATTACHMENT C

Fourth Quarter 2011 Laboratory Analytical Report

November 16, 2011

Report to:

Zach Rogers
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Bill to:

Accounts Payable
Energy Fuels Resources Corporation
44 Union Blvd. Suite 600
Lakewood, CO 80228

Project ID: PINION RIDGE

ACZ Project ID: L91389

Zach Rogers:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 19, 2011. This project has been assigned to ACZ's project number, L91389. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L91389. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 16, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



Energy Fuels Resources Corporation

November 16, 2011

Project ID: PINION RIDGE

ACZ Project ID: L91389

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 ground water sample from Energy Fuels Resources Corporation on October 19, 2011. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L91389. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

This sample was analyzed for inorganic and radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Dissolved Thorium 230 analysis was qualified with the ACZ 'N1 flag due to blank contamination. However, as the client sample result was lower than the method LLD, the data was accepted.

Energy Fuels Resources Corporation

Project ID: PINION RIDGE
Sample ID: STONE SPRING

ACZ Sample ID: **L91389-01**
Date Sampled: **10/17/11 14:14**
Date Received: **10/19/11**
Sample Matrix: **Ground Water**

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP		U		mg/L	0.03	0.2	10/25/11 19:44	jjc
Arsenic, dissolved	M200.8 ICP-MS	0.0083			mg/L	0.0005	0.002	11/01/11 20:34	msh
Barium, dissolved	M200.7 ICP	0.021			mg/L	0.003	0.02	10/25/11 19:44	jjc
Boron, dissolved	M200.7 ICP	0.36			mg/L	0.01	0.05	10/25/11 19:44	jjc
Cadmium, dissolved	M200.8 ICP-MS		U		mg/L	0.0001	0.0005	11/01/11 20:34	msh
Calcium, dissolved	M200.7 ICP	49.7			mg/L	0.2	1	10/25/11 19:44	jjc
Cesium, dissolved	M200.8 ICP-MS		U	*	mg/L	0.0002	0.001	11/01/11 20:34	msh
Chromium, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	10/25/11 19:44	jjc
Copper, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	10/25/11 19:44	jjc
Iron, dissolved	M200.7 ICP		U		mg/L	0.02	0.05	10/25/11 19:44	jjc
Lead, dissolved	M200.8 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	11/01/11 20:34	msh
Magnesium, dissolved	M200.7 ICP	50.4			mg/L	0.2	1	10/25/11 19:44	jjc
Manganese, dissolved	M200.7 ICP		U		mg/L	0.005	0.03	10/25/11 19:44	jjc
Mercury, dissolved	M245.1 CVAA		U	*	mg/L	0.0002	0.001	11/07/11 14:28	mfm
Molybdenum, dissolved	M200.7 ICP	0.03	B		mg/L	0.01	0.05	10/25/11 19:44	jjc
Nickel, dissolved	M200.7 ICP		U		mg/L	0.01	0.05	10/25/11 19:44	jjc
Potassium, dissolved	M200.7 ICP	15.8			mg/L	0.3	2	10/25/11 19:44	jjc
Selenium, dissolved	M200.8 ICP-MS	0.0230			mg/L	0.0001	0.0003	11/01/11 20:34	msh
Silica, dissolved	M200.7 ICP	14.3			mg/L	0.4	2	10/26/11 14:53	aeb
Sodium, dissolved	M200.7 ICP	81.2			mg/L	0.3	2	10/25/11 19:44	jjc
Uranium, dissolved	M200.8 ICP-MS	0.0619			mg/L	0.0001	0.0005	11/01/11 20:34	msh
Vanadium, dissolved	M200.7 ICP	0.017	B		mg/L	0.005	0.03	10/25/11 19:44	jjc
Zinc, dissolved	M200.7 ICP	0.02	B		mg/L	0.01	0.05	10/25/11 19:44	jjc

Energy Fuels Resources Corporation

Project ID: PINION RIDGE
Sample ID: STONE SPRING

ACZ Sample ID: **L91389-01**
Date Sampled: **10/17/11 14:14**
Date Received: **10/19/11**
Sample Matrix: **Ground Water**

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO ₃	SM2320B - Titration								
Bicarbonate as CaCO ₃		229			mg/L	2	20	10/27/11 0:00	cra
Carbonate as CaCO ₃		5	B		mg/L	2	20	10/27/11 0:00	cra
Hydroxide as CaCO ₃			U		mg/L	2	20	10/27/11 0:00	cra
Total Alkalinity		234			mg/L	2	20	10/27/11 0:00	cra
Carbon, total organic (TOC)	SM5310B	6.6		*	mg/L	1	5	11/03/11 12:44	mpb
Cation-Anion Balance	Calculation								
Cation-Anion Balance		0.5			%			11/16/11 0:00	calc
Sum of Anions		10.5			meq/L	0.1	0.5	11/16/11 0:00	calc
Sum of Cations		10.6			meq/L	0.1	0.5	11/16/11 0:00	calc
Chloride	SM4500Cl-E	58		*	mg/L	1	5	11/02/11 13:40	jlf
Fluoride	SM4500F-C	0.4	B		mg/L	0.1	0.5	10/28/11 12:33	las
Nitrate/Nitrite as N	M353.2 - H ₂ SO ₄ preserved	0.83		*	mg/L	0.02	0.1	11/03/11 22:29	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate		U	*	mg/L	0.05	0.5	11/01/11 15:11	lhb
Residue, Filterable (TDS) @180C	SM2540C	610			mg/L	10	20	10/20/11 16:37	las
Residue, Non-Filterable (TSS) @105C	SM2540D		U	*	mg/L	5	20	10/20/11 16:09	cra
Sulfate	SM4500 SO ₄ -D	200			mg/L	10	50	10/24/11 9:00	abm
Sulfide as S	376.2 - Methylene Blue		U	*	mg/L	0.02	0.1	10/24/11 12:50	abm
TDS (calculated)	Calculation	610			mg/L	10	50	11/16/11 0:00	calc
TDS (ratio - measured/calculated)	Calculation	1.00						11/16/11 0:00	calc

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit, typically 5 times the MDL.
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (5) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Alkalinity as CaCO3

SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312454													
WG312454PBW1	PBW	10/27/11 16:41				U	mg/L		-20	20			
WG312454LCSW2	LCSW	10/27/11 16:54	WC111027-8	820.0001		773.7	mg/L	94.4	90	110			
L91403-01DUP	DUP	10/27/11 20:01			185	177.5	mg/L				4.1	20	
WG312454PBW2	PBW	10/27/11 20:05				U	mg/L		-20	20			
WG312454LCSW5	LCSW	10/27/11 20:18	WC111027-8	820.0001		786.8	mg/L	96	90	110			
WG312454PBW3	PBW	10/27/11 23:33				U	mg/L		-20	20			
WG312454LCSW8	LCSW	10/27/11 23:47	WC111027-8	820.0001		783.1	mg/L	95.5	90	110			
WG312454PBW4	PBW	10/28/11 2:52				U	mg/L		-20	20			
WG312454LCSW11	LCSW	10/28/11 3:05	WC111027-8	820.0001		789.2	mg/L	96.2	90	110			
WG312454LCSW14	LCSW	10/28/11 6:15	WC111027-8	820.0001		799.6	mg/L	97.5	90	110			

Aluminum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		2.05	mg/L	102.5	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.09	0.09			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.15		.155	mg/L	103.3	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	200.15		204.2	mg/L	102	1	200			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	1		1.047	mg/L	104.7	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	1	U	1.1	mg/L	110	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	1	U	1.112	mg/L	111.2	85	115	1.08	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.03	mg/L	103	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.09	0.09			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		1.02	mg/L	102	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.09	0.09			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.083	mg/L	108.3	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.09	0.09			

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.04949	mg/L	99	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0015	0.0015			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.05005		.05009	mg/L	100.1	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.05005	.0073	.05622	mg/L	97.7	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.05005	.0073	.05678	mg/L	98.9	70	130	0.99	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.25025		.2547	mg/L	101.8	90	110			
WG312698CCB1	CCB	11/01/11 20:23				U	mg/L		-0.0015	0.0015			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.25025		.2591	mg/L	103.5	90	110			
WG312698CCB2	CCB	11/01/11 21:06				U	mg/L		-0.0015	0.0015			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.25025		.2589	mg/L	103.5	90	110			
WG312698CCB3	CCB	11/01/11 21:35				U	mg/L		-0.0015	0.0015			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Barium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		2.0135	mg/L	100.7	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.009	0.009			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.015		.0166	mg/L	110.7	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.1004	mg/L	100.4	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.4915	mg/L	98.3	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	.049	.5741	mg/L	105	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	.049	.5684	mg/L	103.9	85	115	1	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.008	mg/L	100.8	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.009	0.009			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		.9988	mg/L	99.9	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.009	0.009			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		.9902	mg/L	99	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.009	0.009			

Boron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		2.031	mg/L	101.6	95	105			
WG312226ICB	ICB	10/25/11 19:29				.011	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05005		.063	mg/L	125.9	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1001		.108	mg/L	107.9	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5005		.511	mg/L	102.1	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5005	1.65	2.128	mg/L	95.5	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5005	1.65	2.141	mg/L	98.1	85	115	0.61	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.051	mg/L	105.1	90	110			
WG312226CCB1	CCB	10/25/11 20:15				.019	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		1.023	mg/L	102.3	90	110			
WG312226CCB2	CCB	10/25/11 20:53				.012	mg/L		-0.03	0.03			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.077	mg/L	107.7	90	110			
WG312226CCB3	CCB	10/25/11 21:15				.015	mg/L		-0.03	0.03			

Cadmium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.04964	mg/L	99.3	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0003	0.0003			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.0501		.04915	mg/L	98.1	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.0501	U	.04729	mg/L	94.4	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.0501	U	.04757	mg/L	95	70	130	0.59	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.1002		.1034	mg/L	103.2	90	110			
WG312698CCB1	CCB	11/01/11 20:23				U	mg/L		-0.0003	0.0003			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.1002		.1025	mg/L	102.3	90	110			
WG312698CCB2	CCB	11/01/11 21:06				U	mg/L		-0.0003	0.0003			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.1002		.1007	mg/L	100.5	90	110			
WG312698CCB3	CCB	11/01/11 21:35				U	mg/L		-0.0003	0.0003			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Calcium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	100		97.99	mg/L	98	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.6	0.6			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	1		1.06	mg/L	106	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	201		196.5	mg/L	97.8	1	200			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	67.99734		69.12	mg/L	101.7	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	67.99734	213	270.9	mg/L	85.2	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	67.99734	213	275.3	mg/L	91.6	85	115	1.61	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	50		49.42	mg/L	98.8	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.6	0.6			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	50		49.34	mg/L	98.7	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.6	0.6			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	50		53.99	mg/L	108	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.6	0.6			

Carbon, total organic (TOC)

SM5310B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312865													
WG312865CCV1	CCV	11/03/11 12:44	WI111102-1	50		51.4	mg/L	102.8	90	110			
WG312865CCB1	CCB	11/03/11 12:44				U	mg/L		-3	3			
WG312865LFB	LFB	11/03/11 12:44	WI111102-1	50		48.5	mg/L	97	90	110			
L91389-01AS	AS	11/03/11 12:44	WI111102-1	50	6.6	62.1	mg/L	111	90	110			M1
L91466-06DUP	DUP	11/03/11 12:44			3290	2930	mg/L				11.6	20	
WG312865CCV2	CCV	11/03/11 12:44	WI111102-1	50		51.2	mg/L	102.4	90	110			
WG312865CCB2	CCB	11/03/11 12:44				U	mg/L		-3	3			
WG312865CCV3	CCV	11/03/11 12:44	WI111102-1	50		51.7	mg/L	103.4	90	110			
WG312865CCB3	CCB	11/03/11 12:44				U	mg/L		-3	3			
WG312865CCV4	CCV	11/03/11 12:44	WI111102-1	50		50.7	mg/L	101.4	90	110			
WG312865CCB4	CCB	11/03/11 12:44				U	mg/L		-3	3			

Cesium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.05095	mg/L	101.9	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0006	0.0006			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.05		.05039	mg/L	100.8	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.05	U	.05122	mg/L	102.4	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.05	U	.05242	mg/L	104.8	70	130	2.32	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.1		.1042	mg/L	104.2	90	110			
WG312698CCB1	CCB	11/01/11 20:23				U	mg/L		-0.0006	0.0006			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.1		.1028	mg/L	102.8	90	110			
WG312698CCB2	CCB	11/01/11 21:06				U	mg/L		-0.0006	0.0006			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.1		.1046	mg/L	104.6	90	110			
WG312698CCB3	CCB	11/01/11 21:35				U	mg/L		-0.0006	0.0006			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Chloride

SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312812													
WG312812ICB	ICB	11/02/11 13:16				U	mg/L		-3	3			
WG312812ICV	ICV	11/02/11 13:16	WI111003-1	55.11		58.2	mg/L	105.6	90	110			
WG312812CCV1	CCV	11/02/11 13:39	WI111102-8	50		50.1	mg/L	100.2	90	110			
WG312812CCB1	CCB	11/02/11 13:39				U	mg/L		-3	3			
WG312812CCV2	CCV	11/02/11 13:40	WI111102-8	50		50.3	mg/L	100.6	90	110			
WG312812CCB2	CCB	11/02/11 13:40				U	mg/L		-3	3			
WG312812CCV3	CCV	11/02/11 13:41	WI111102-8	50		50.2	mg/L	100.4	90	110			
WG312812CCB3	CCB	11/02/11 13:41				U	mg/L		-3	3			
L91389-01AS	AS	11/02/11 13:47	WI110802-1	30	58	81.4	mg/L	78	90	110			M2
L91468-13DUP	DUP	11/02/11 13:47			U	U	mg/L				0	20	RA
WG312812LFB1	LFB	11/02/11 13:47	WI110802-1	30		32.3	mg/L	107.7	90	110			
WG312812CCV4	CCV	11/02/11 13:47	WI111102-8	50		50.9	mg/L	101.8	90	110			
WG312812CCB4	CCB	11/02/11 13:47				U	mg/L		-3	3			
WG312812LFB2	LFB	11/02/11 13:48	WI110802-1	30		32.3	mg/L	107.7	90	110			
WG312812CCV5	CCV	11/02/11 13:48	WI111102-8	50		50.3	mg/L	100.6	90	110			
WG312812CCB5	CCB	11/02/11 13:48				U	mg/L		-3	3			
WG312812CCV6	CCV	11/02/11 13:57	WI111102-8	50		50.7	mg/L	101.4	90	110			
WG312812CCB6	CCB	11/02/11 13:57				U	mg/L		-3	3			
WG312812CCV7	CCV	11/02/11 13:59	WI111102-8	50		50.5	mg/L	101	90	110			
WG312812CCB7	CCB	11/02/11 13:59				U	mg/L		-3	3			
WG312812CCV8	CCV	11/02/11 14:05	WI111102-8	50		50.8	mg/L	101.6	90	110			
WG312812CCB8	CCB	11/02/11 14:05				U	mg/L		-3	3			
WG312812CCV9	CCV	11/02/11 14:05	WI111102-8	50		50.4	mg/L	100.8	90	110			
WG312812CCB9	CCB	11/02/11 14:05				U	mg/L		-3	3			
WG312812CCV10	CCV	11/02/11 14:11	WI111102-8	50		50.5	mg/L	101	90	110			
WG312812CCB10	CCB	11/02/11 14:11				U	mg/L		-3	3			
WG312812CCV11	CCV	11/02/11 14:16	WI111102-8	50		49.6	mg/L	99.2	90	110			
WG312812CCB11	CCB	11/02/11 14:16				U	mg/L		-3	3			

Chromium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		1.974	mg/L	98.7	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.052	mg/L	104	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.103	mg/L	103	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.492	mg/L	98.4	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	U	.514	mg/L	102.8	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	U	.509	mg/L	101.8	85	115	0.98	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		.999	mg/L	99.9	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		.992	mg/L	99.2	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.03	0.03			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.071	mg/L	107.1	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Copper, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		1.986	mg/L	99.3	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.056	mg/L	112	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.109	mg/L	109	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.5	mg/L	100	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	U	.537	mg/L	107.4	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	U	.527	mg/L	105.4	85	115	1.88	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.007	mg/L	100.7	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		.995	mg/L	99.5	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.03	0.03			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.04	mg/L	104	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.03	0.03			

Fluoride

SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312500													
WG312500ICV	ICV	10/28/11 11:17	WC111025-7	2		1.92	mg/L	96	95	105			
WG312500ICB	ICB	10/28/11 11:24				U	mg/L		-0.3	0.3			
WG312500PQV	PQV	10/28/11 11:32	WC111027-1	.5005		.47	mg/L	93.9	70	130			
WG312500LFB1	LFB	10/28/11 11:40	WC110818-4	5.005		4.73	mg/L	94.5	90	110			
L91382-01AS	AS	10/28/11 11:48	WC110818-4	5.005	1.3	5.84	mg/L	90.7	90	110			
L91382-01DUP	DUP	10/28/11 11:51			1.3	1.19	mg/L				8.8	20	
WG312500CCV1	CCV	10/28/11 12:16	WC111025-7	2		1.91	mg/L	95.5	90	110			
WG312500CCB1	CCB	10/28/11 12:23				U	mg/L		-0.3	0.3			
WG312500CCV2	CCV	10/28/11 13:03	WC111025-7	2		1.98	mg/L	99	90	110			
WG312500CCB2	CCB	10/28/11 13:11				U	mg/L		-0.3	0.3			
WG312500LFB2	LFB	10/28/11 13:34	WC110818-4	5.005		4.58	mg/L	91.5	90	110			
WG312500CCV3	CCV	10/28/11 13:49	WC111025-7	2		1.94	mg/L	97	90	110			
WG312500CCB3	CCB	10/28/11 13:57				U	mg/L		-0.3	0.3			
WG312500CCV4	CCV	10/28/11 14:44	WC111025-7	2		1.97	mg/L	98.5	90	110			
WG312500CCB4	CCB	10/28/11 14:52				U	mg/L		-0.3	0.3			
WG312500CCV5	CCV	10/28/11 15:48	WC111025-7	2		1.94	mg/L	97	90	110			
WG312500CCB5	CCB	10/28/11 15:56				U	mg/L		-0.3	0.3			
WG312500CCV6	CCV	10/28/11 16:10	WC111025-7	2		1.97	mg/L	98.5	90	110			
WG312500CCB6	CCB	10/28/11 16:17				U	mg/L		-0.3	0.3			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Iron, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		1.993	mg/L	99.7	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.06	0.06			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.054	mg/L	108	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	200.05		195.7	mg/L	97.8	1	200			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	1		1.016	mg/L	101.6	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	1	U	1.063	mg/L	106.3	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	1	U	1.054	mg/L	105.4	85	115	0.85	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.003	mg/L	100.3	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.06	0.06			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		1.002	mg/L	100.2	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.06	0.06			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.082	mg/L	108.2	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.06	0.06			

Lead, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.04659	mg/L	93.2	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0003	0.0003			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.05005		.04605	mg/L	92	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.05005	.0003	.04743	mg/L	94.2	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.05005	.0003	.04719	mg/L	93.7	70	130	0.51	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.25025		.257	mg/L	102.7	90	110			
WG312698CCB1	CCB	11/01/11 20:23				U	mg/L		-0.0003	0.0003			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.25025		.2556	mg/L	102.1	90	110			
WG312698CCB2	CCB	11/01/11 21:06				U	mg/L		-0.0003	0.0003			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.25025		.2581	mg/L	103.1	90	110			
WG312698CCB3	CCB	11/01/11 21:35				U	mg/L		-0.0003	0.0003			

Magnesium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	100		101.08	mg/L	101.1	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.6	0.6			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	1		.96	mg/L	96	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	201		204.3	mg/L	101.6	1	200			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	50.0051		52.26	mg/L	104.5	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	50.0051	256	301.1	mg/L	90.2	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	50.0051	256	303.2	mg/L	94.4	85	115	0.7	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	50		51.05	mg/L	102.1	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.6	0.6			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	50		51.11	mg/L	102.2	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.6	0.6			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.6	0.6			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Manganese, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		1.9665	mg/L	98.3	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.015	0.015			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.025		.0254	mg/L	101.6	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	50.025		47.4	mg/L	94.8	1	200			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.5164	mg/L	103.3	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	.118	.6541	mg/L	107.2	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	.118	.6482	mg/L	106	85	115	0.91	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		.996	mg/L	99.6	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.015	0.015			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		.9919	mg/L	99.2	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.015	0.015			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.054	mg/L	105.4	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.015	0.015			

Mercury, dissolved

M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312897													
WG312897ICV	ICV	11/07/11 13:50	II111013-2	.005015		.0048	mg/L	95.7	95	105			
WG312897ICB	ICB	11/07/11 13:52				U	mg/L		-0.0002	0.0002			
WG312897LRB	LRB	11/07/11 13:54				U	mg/L		-0.00044	0.00044			
WG312897LFB	LFB	11/07/11 13:56	II111102-6	.002002		.00174	mg/L	86.9	85	115			
L91382-03LFM	LFM	11/07/11 14:04	II111102-6	.002002	U	.00176	mg/L	87.9	85	115			
L91382-03LFMD	LFMD	11/07/11 14:07	II111102-6	.002002	U	.00159	mg/L	79.4	85	115	10.15	20	MA
WG312897CCV1	CCV	11/07/11 14:16	II111013-2	.005015		.00495	mg/L	98.7	90	110			
WG312897CCB1	CCB	11/07/11 14:19				U	mg/L		-0.0002	0.0002			
WG312897CCV2	CCV	11/07/11 14:44	II111013-2	.005015		.00504	mg/L	100.5	90	110			
WG312897CCB2	CCB	11/07/11 14:46				U	mg/L		-0.0002	0.0002			
WG312897CCV3	CCV	11/07/11 15:02	II111013-2	.005015		.00481	mg/L	95.9	90	110			
WG312897CCB3	CCB	11/07/11 15:04				U	mg/L		-0.0002	0.0002			

Molybdenum, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		2.009	mg/L	100.5	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.054	mg/L	108	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.096	mg/L	96	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.526	mg/L	105.2	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	U	.522	mg/L	104.4	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	U	.53	mg/L	106	85	115	1.52	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.02	mg/L	102	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		1.014	mg/L	101.4	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.03	0.03			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.096	mg/L	109.6	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Nickel, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2.002		1.975	mg/L	98.7	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.053	mg/L	106	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.104	mg/L	104	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.496	mg/L	99.2	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	U	.51	mg/L	102	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	U	.506	mg/L	101.2	85	115	0.79	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1.001		1.007	mg/L	100.6	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1.001		1.005	mg/L	100.4	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.03	0.03			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.03	0.03			

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312930													
WG312930ICV	ICV	11/03/11 20:51	WI111001-2	2.416		2.422	mg/L	100.2	90	110			
WG312930ICB	ICB	11/03/11 20:52				U	mg/L		-0.06	0.06			
WG312933													
WG312933CCV1	CCV	11/03/11 22:13	WI111027-3	2		2.072	mg/L	103.6	90	110			
WG312933CCB1	CCB	11/03/11 22:14				U	mg/L		-0.06	0.06			
WG312933LFB1	LFB	11/03/11 22:15	WI110813-3	2		2.071	mg/L	103.6	90	110			
L91331-01AS	AS	11/03/11 22:18	WI110813-3	2	U	2.047	mg/L	102.4	90	110			
L91345-01DUP	DUP	11/03/11 22:20			U	U	mg/L				0	20	RA
WG312933CCV2	CCV	11/03/11 22:27	WI111027-3	2		2.058	mg/L	102.9	90	110			
WG312933CCB2	CCB	11/03/11 22:28				U	mg/L		-0.06	0.06			
WG312933CCV3	CCV	11/03/11 22:41	WI111027-3	2		2.053	mg/L	102.7	90	110			
WG312933CCB3	CCB	11/03/11 22:42				U	mg/L		-0.06	0.06			
WG312933LFB2	LFB	11/03/11 22:49	WI110813-3	2		2.049	mg/L	102.5	90	110			
WG312933CCV4	CCV	11/03/11 22:55	WI111027-3	2		2.077	mg/L	103.9	90	110			
WG312933CCB4	CCB	11/03/11 22:56				U	mg/L		-0.06	0.06			
WG312933CCV5	CCV	11/03/11 23:10	WI111027-3	2		2.041	mg/L	102.1	90	110			
WG312933CCB5	CCB	11/03/11 23:12				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Nitrogen, ammonia

M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312722													
WG312722ICV	ICV	11/01/11 15:01	WI101121-1	1.004		.995	mg/L	99.1	90	110			
WG312722ICB	ICB	11/01/11 15:02				U	mg/L		-0.15	0.15			
WG312722LFB1	LFB	11/01/11 15:03	WI111101-3	1		1.026	mg/L	102.6	90	110			
L91331-01AS	AS	11/01/11 15:05	WI111101-3	1	U	1.044	mg/L	104.4	90	110			
WG312722CCV1	CCV	11/01/11 15:14	WI111101-1	2		1.932	mg/L	96.6	90	110			
WG312722CCB1	CCB	11/01/11 15:15				U	mg/L		-0.15	0.15			
WG312722CCV2	CCV	11/01/11 15:28	WI111101-1	2		1.939	mg/L	97	90	110			
WG312722CCB2	CCB	11/01/11 15:29				U	mg/L		-0.15	0.15			
WG312722LFB2	LFB	11/01/11 15:36	WI111101-3	1		.967	mg/L	96.7	90	110			
WG312722CCV3	CCV	11/01/11 15:41	WI111101-1	2		1.955	mg/L	97.8	90	110			
WG312722CCB3	CCB	11/01/11 15:43				U	mg/L		-0.15	0.15			
WG312722CCV4	CCV	11/01/11 15:57	WI111101-1	2		1.948	mg/L	97.4	90	110			
WG312722CCB4	CCB	11/01/11 15:58				U	mg/L		-0.15	0.15			
WG312722CCV5	CCV	11/01/11 16:06	WI111101-1	2		1.969	mg/L	98.5	90	110			
WG312722CCB5	CCB	11/01/11 16:07				U	mg/L		-0.15	0.15			
L91382-01DUP	DUP	11/01/11 16:09			U	U	mg/L				0	20	RA
WG312722CCV6	CCV	11/01/11 16:12	WI111101-1	2		1.954	mg/L	97.7	90	110			
WG312722CCB6	CCB	11/01/11 16:13				U	mg/L		-0.15	0.15			

Potassium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	20		20.03	mg/L	100.2	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.9	0.9			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	1.5		1.6	mg/L	106.7	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	1.5		1.57	mg/L	104.7	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	99.97161		103	mg/L	103	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	99.97161	.6	106.8	mg/L	106.2	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	99.97161	.6	107.7	mg/L	107.1	85	115	0.84	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	10		10.08	mg/L	100.8	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.9	0.9			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	10		10.03	mg/L	100.3	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.9	0.9			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	10		10.77	mg/L	107.7	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.9	0.9			

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG311994													
WG311994PBW	PBW	10/20/11 16:28				U	mg/L		-20	20			
WG311994LCSW	LCSW	10/20/11 16:28	PCN37651	260		262	mg/L	100.8	80	120			
WG311994PQV	PQV	10/20/11 16:28	WC111004-1	20		30	mg/L	150	50	150			
L91403-01DUP	DUP	10/20/11 16:37			210	200	mg/L				4.9	20	

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG311989													
WG311989PBW	PBW	10/20/11 16:06				U	mg/L		-15	15			
WG311989LCSW	LCSW	10/20/11 16:06	PCN37651	160		157	mg/L	98.1	80	120			
L91403-01DUP	DUP	10/20/11 16:10			5	U	mg/L				200	20	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.0528	mg/L	105.6	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0003	0.0003			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.05005		.04976	mg/L	99.4	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.05005	.0071	.05632	mg/L	98.3	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.05005	.0071	.05654	mg/L	98.8	70	130	0.39	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.25025		.2534	mg/L	101.3	90	110			
WG312698CCB1	CCB	11/01/11 20:23				.00013	mg/L		-0.0003	0.0003			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.25025		.2566	mg/L	102.5	90	110			
WG312698CCB2	CCB	11/01/11 21:06				.0001	mg/L		-0.0003	0.0003			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.25025		.2531	mg/L	101.1	90	110			
WG312698CCB3	CCB	11/01/11 21:35				.00012	mg/L		-0.0003	0.0003			

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312330													
WG312330ICV	ICV	10/26/11 14:21	II111025-1	42.8		42.48	mg/L	99.3	95	105			
WG312330ICB	ICB	10/26/11 14:25				U	mg/L		-1.2	1.2			
WG312330PQV	PQV	10/26/11 14:28	II111024-4	2.1424		2.13	mg/L	99.4	70	130			
WG312330SIC	SIC	10/26/11 14:31	II110921-3	2.1424		2.21	mg/L	103.2	80	120			
WG312330LFB	LFB	10/26/11 14:37	II111024-2	21.4		21.51	mg/L	100.5	85	115			
L91389-01AS	AS	10/26/11 14:56	II111024-2	21.4	14.3	35.22	mg/L	97.8	85	115			
L91389-01ASD	ASD	10/26/11 14:59	II111024-2	21.4	14.3	35.74	mg/L	100.2	85	115	1.47	20	
WG312330CCV1	CCV	10/26/11 15:08	II111021-2	21.4		21.88	mg/L	102.2	90	110			
WG312330CCB1	CCB	10/26/11 15:11				U	mg/L		-1.2	1.2			
WG312330CCV2	CCV	10/26/11 15:35	II111021-2	21.4		22.06	mg/L	103.1	90	110			
WG312330CCB2	CCB	10/26/11 15:38				U	mg/L		-1.2	1.2			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Sodium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	100		100.43	mg/L	100.4	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.9	0.9			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	1.5021		1.6	mg/L	106.5	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	1.5021		1.59	mg/L	105.9	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	100.018		102.8	mg/L	102.8	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	100.018	35.7	139.7	mg/L	104	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	100.018	35.7	140.5	mg/L	104.8	85	115	0.57	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	50		50.79	mg/L	101.6	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.9	0.9			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	50		50.43	mg/L	100.9	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.9	0.9			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	50		52.43	mg/L	104.9	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.9	0.9			

Sulfate

SM4500 SO4-D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312139													
L91389-01DUP	DUP	10/24/11 9:01			200	193	mg/L				3.6	20	
WG312139LCSW	LCSW	10/24/11 9:04	WC110510-2	100		111	mg/L	111	80	120			
WG312139PBW	PBW	10/24/11 9:05				U	mg/L		-30	30			

Sulfide as S

376.2 - Methylene Blue

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312145													
WG312145ICV	ICV	10/24/11 12:00	WC111024-5	.34934		.351	mg/L	100.5	90	110			
WG312145ICB	ICB	10/24/11 12:02				U	mg/L		-0.06	0.06			
WG312145LFB	LFB	10/24/11 12:04	WC111024-8	.22844		.219	mg/L	95.9	80	120			
WG312145CCV1	CCV	10/24/11 12:26	WC111024-6	.17133		.159	mg/L	92.8	90	110			
WG312145CCB1	CCB	10/24/11 12:28				U	mg/L		-0.06	0.06			
WG312145CCV2	CCV	10/24/11 12:52	WC111024-6	.17133		.158	mg/L	92.2	90	110			
WG312145CCB2	CCB	10/24/11 12:54				U	mg/L		-0.06	0.06			
L91449-02AS	AS	10/24/11 13:03	WC111024-8	3.4266	2.4	5.55	mg/L	91.9	75	125			
L91449-02DUP	DUP	10/24/11 13:05			2.4	2.24	mg/L				6.9	20	RA
WG312145CCV3	CCV	10/24/11 13:07	WC111024-6	.17133		.159	mg/L	92.8	90	110			
WG312145CCB3	CCB	10/24/11 13:09				U	mg/L		-0.06	0.06			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312698													
WG312698ICV	ICV	11/01/11 19:40	MS111007-2	.05		.0547	mg/L	109.4	90	110			
WG312698ICB	ICB	11/01/11 19:44				U	mg/L		-0.0003	0.0003			
WG312698LFB	LFB	11/01/11 19:47	MS111006-3	.05		.05303	mg/L	106.1	85	115			
L91382-01AS	AS	11/01/11 20:05	MS111006-3	.05	.0179	.07878	mg/L	121.8	70	130			
L91382-01ASD	ASD	11/01/11 20:09	MS111006-3	.05	.0179	.07856	mg/L	121.3	70	130	0.28	20	
WG312698CCV1	CCV	11/01/11 20:20	MS111018-4	.1		.1026	mg/L	102.6	90	110			
WG312698CCB1	CCB	11/01/11 20:23				U	mg/L		-0.0003	0.0003			
WG312698CCV2	CCV	11/01/11 21:03	MS111018-4	.1		.1021	mg/L	102.1	90	110			
WG312698CCB2	CCB	11/01/11 21:06				U	mg/L		-0.0003	0.0003			
WG312698CCV3	CCV	11/01/11 21:32	MS111018-4	.1		.1038	mg/L	103.8	90	110			
WG312698CCB3	CCB	11/01/11 21:35				U	mg/L		-0.0003	0.0003			

Vanadium, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		2.013	mg/L	100.7	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.015	0.015			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.025		.0253	mg/L	101.2	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.0889	mg/L	88.9	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.5217	mg/L	104.3	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	.016	.5453	mg/L	105.9	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	.016	.5473	mg/L	106.3	85	115	0.37	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		1.012	mg/L	101.2	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.015	0.015			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		1.008	mg/L	100.8	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.015	0.015			
WG312226CCV3	CCV	10/25/11 21:12	II111021-2	1		1.044	mg/L	104.4	90	110			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.015	0.015			

Zinc, dissolved

M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG312226													
WG312226ICV	ICV	10/25/11 19:23	II111025-1	2		1.946	mg/L	97.3	95	105			
WG312226ICB	ICB	10/25/11 19:29				U	mg/L		-0.03	0.03			
WG312226PQV	PQV	10/25/11 19:32	II111024-4	.05		.055	mg/L	110	70	130			
WG312226SIC	SIC	10/25/11 19:35	II110921-3	.1		.1	mg/L	100	80	120			
WG312226LFB	LFB	10/25/11 19:41	II111024-2	.5		.513	mg/L	102.6	85	115			
L91448-04AS	AS	10/25/11 20:03	II111024-2	.5	.01	.507	mg/L	99.4	85	115			
L91448-04ASD	ASD	10/25/11 20:06	II111024-2	.5	.01	.51	mg/L	100	85	115	0.59	20	
WG312226CCV1	CCV	10/25/11 20:13	II111021-2	1		.998	mg/L	99.8	90	110			
WG312226CCB1	CCB	10/25/11 20:15				U	mg/L		-0.03	0.03			
WG312226CCV2	CCV	10/25/11 20:50	II111021-2	1		.995	mg/L	99.5	90	110			
WG312226CCB2	CCB	10/25/11 20:53				U	mg/L		-0.03	0.03			
WG312226CCB3	CCB	10/25/11 21:15				U	mg/L		-0.03	0.03			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L91389-01	WG312897	Mercury, dissolved	M245.1 CVAA	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
	WG312865	Carbon, total organic (TOC)	SM5310B	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG312812	Chloride	SM4500Cl-E	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG312933	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG312722	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG311989	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG312145	Sulfide as S	376.2 - Methylene Blue	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Energy Fuels Resources Corporation

Project ID: PINION RIDGE

Sample ID: STONE SPRING

Locator:

ACZ Sample ID: **L91389-01**Date Sampled: **10/17/11 14:14**Date Received: **10/19/11**Sample Matrix: **Ground Water**

Gross Alpha & Beta, dissolved

Prep Method:

M900.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/09/11 12:00		23	6.3	2.7	pCi/L	*	thf
Gross Beta	11/09/11 12:00		25	4.6	4.8	pCi/L		thf

Lead 210, dissolved

Prep Method:

EICHROM, OTW01

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Lead 210, dissolved	11/14/11 16:12		0.98	1.6	3.4	pCi/L	*	jig

Radium 226, dissolved

Prep Method:

M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	11/07/11 15:58		0.33	0.12	0.13	pCi/L	*	jig

Radium 228, dissolved

Prep Method:

M904.0

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228, dissolved	11/03/11 14:30		0.49	0.41	0.95	pCi/L	*	zsh

Thorium 230, dissolved

Prep Method:

ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 230, dissolved	11/01/11 17:43		0.58	0.48	0.62	pCi/L	*	jig

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Alpha		M900.0										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313372																
WG312752PBW	PBW	11/09/11						.13	0.91	1			2			
WG312752LCSW	LCSW	11/09/11	RC110304-1	81.06				89	8.3	1.5	109.8	81	138			
L91323-01DUP	DUP-RE	11/09/11			0	1.7	1.8	0	2.3	1.9				0	2	
L91403-01DUP	DUP-RE	11/09/11			3.1	2.5	2.1	1	2.3	2.1				0.62	2	
L91394-01MS	MS	11/09/11	RC110304-1	101.32	0.1	2.6	3	33	7.6	3	32.5	81	138			M2

Beta		M900.0										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313372																
WG312752PBW	PBW	11/09/11						0	2.1	2.9			5.8			
WG312752LCSW	LCSW	11/09/11	RC110517-11	100				100	6.7	4.1	100	65	117			
L91323-01DUP	DUP-RE	11/09/11			1.3	2.8	4.2	.51	3.3	4.3				0.18	2	
L91403-01DUP	DUP-RE	11/09/11			0.99	3.2	4.4	1.1	2.9	4.2				0.03	2	
L91402-01MS	MS	11/09/11	RC110517-11	111.11	4.6	3.5	4.8	120	7.9	4.7	103.9	65	117			

Lead 210, dissolved		EICHROM, OTW01										Units: pCi/L				
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313618																
WG312961PBW	PBW	11/14/11						0	2.1	4.6			9.2			
L91389-01DUP	DUP-RE	11/14/11			0.98	1.6	3.4	0	2	4.5				0.38	2	
L91389-01MS	MS	11/14/11	RC100623-1	74.15	0.98	1.6	3.4	52	3.5	4.3	68.8	47	101			
WG312961LCSW	LCSW	11/14/11	RC100623-1	74.15				48	3.4	4.3	64.7	47	101			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Project ID: PINION RIDGE

Radium 226, dissolved M903.1 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313220																
WG312588PBW	PBW	11/07/11						.35	0.12	0.48			0.96			
WG312588LCSW	LCSW	11/07/11	RC110822-1	23.92				26	0.72	0.25	108.7	55	124			
L91382-03DUP	DUP-RE	11/07/11			7.1	0.39	0.24	6.4	0.3	0.27				1.42	2	
L91287-04MS	MS	11/07/11	RC110822-1	23.92	140	1.6	0.31	130	1.3	0.07	-41.8	55	124			M2

Radium 228, dissolved M904.0 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313189																
WG312664LCSW	LCSW	11/03/11	PCN35651	17.28				11	0.93	1.2	63.7	47	123			
WG312664PBW	PBW	11/03/11						1.3	0.33	0.69			1.38			
L91383-01MS	MS	11/03/11	PCN35651	17.28	0.95	0.46	1.2	8.3	0.8	0.98	42.5	47	123			M2
L91287-01DUP	DUP-RE	11/03/11			1.2	0.45	0.94	.2	0.49	1.3				1.5	2	
L91383-02DUP	DUP-RE	11/03/11			0.29	0.41	1.2	.29	0.43	1.5				0	2	

Thorium 230, dissolved ESM 4506 **Units: pCi/L**

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG313326																
WG312681PBW	PBW	11/01/11						1.6	0.6	0.66			1.32			N1
WG312681LCSW	LCSW	11/01/11	RC091215-1	162.12				170	4.6	0.63	104.9	89	123			
L91389-01DUP	DUP-RE	11/01/11			0.58	0.48	0.62	-.23	0.4	0.62				1.3	2	
L91389-01MS	MS	11/01/11	RC091215-1	162.12	0.58	0.48	0.62	180	4.8	0.66	110.7	89	123			

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L91389-01	WG313372	Gross Alpha	M900.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG313220	Radium 226, dissolved	M903.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG313189	Radium 228, dissolved	M904.0	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG313326	Thorium 230, dissolved	ESM 4506	N1	See Case Narrative.

Energy Fuels Resources Corporation

ACZ Project ID: **L91389**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Cesium, dissolved	M200.8 ICP-MS
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Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Lead 210, dissolved	EICHROM, OTW01
Thorium 230, dissolved	ESM 4506

Wet Chemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Sulfide as S	376.2 - Methylene Blue
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Energy Fuels Resources Corporation
 PINION RIDGE

ACZ Project ID: L91389
 Date Received: 10/19/2011 09:10
 Received By: ksj
 Date Printed: 10/20/2011

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
2428	1.8	18

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Energy Fuels Resources Corporation
PINION RIDGE

ACZ Project ID: L91389
Date Received: 10/19/2011 09:10
Received By: ksj
Date Printed: 10/20/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L91389-01	STONE SPRING		Y			Y			Y			☐

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: ksj

L91389

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Zach Rogers
Company: Energy Fuels Resources
E-mail: z.rogers@energyfuels.com

Address: 44 Union Blvd. Suite 600
Lakewood, CO 80228
Telephone: 303-974-2151

Copy of Report to:

Name: _____
Company: _____

E-mail: _____
Telephone: _____

Invoice to:

Name: Zach Rogers
Company: Energy Fuels Resources
E-mail: z.rogers@energyfuels.com

Address:	44 Union Blvd, Suite 600 Lakewood, CO 80228
Telephone:	303-974-2151

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES	Yes
NO	

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: Pinon-Ridge

Project/PO #: Piñon Ridge

Reporting state for compliance testing: NO

Sampler's Name: Jess W Fulbright

Are any samples NRC licensable material? NO

of Containers

non-Ridge

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

Stone Spring

10-17-11:1414MDT

GW

7

X

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

One sample contained in one cooler. All times Mountain Daylight Time.

PAGE

1
of
1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

10-18-11 1100MDT

WGS

10	19	1
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