



Energy Fuels Resources (USA) Inc.  
225 Union Blvd. Suite 600  
Lakewood, CO, US, 80228  
303 974 2140  
[www.energyfuels.com](http://www.energyfuels.com)

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May 19, 2014

**Sent VIA OVERNIGHT DELIVERY**

Mr. Rusty Lundberg  
Division of Radiation Control  
Utah Department of Environmental Quality  
195 North 1950 West  
P.O. Box 144850  
Salt Lake City, UT 84114-4820

**Re: Transmittal of 1st Quarter 2014 Groundwater Monitoring Report  
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill**

Dear Mr. Lundberg:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 1st Quarter of 2014 as required by the Groundwater Quality Discharge Permit UGW370004, as well as two CDs each containing a word searchable electronic copy of the report.

If you should have any questions regarding this report please contact me.

Yours very truly,

A handwritten signature in blue ink that reads 'Kathy Weinel'.

**ENERGY FUELS RESOURCES (USA) INC.**  
Kathy Weinel  
Quality Assurance Manager

cc: David C. Frydenlund  
Harold R. Roberts  
David E. Turk  
Dan Hillsten

**White Mesa Uranium Mill**  
**Groundwater Monitoring Report**

**State of Utah**  
**Groundwater Discharge Permit No. UGW370004**

**1st Quarter**  
**(January through March)**  
**2014**

Prepared by:



**Energy Fuels Resources (USA) Inc.**  
225 Union Boulevard, Suite 600  
Lakewood, CO 80228

**May 20, 2014**

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## ACRONYM LIST

|       |   |
|-------|---|
| AWAL  | American West Analytical Laboratory           |
| COC   | Chain-of-Custody                              |
| DRC   | Utah Division of Radiation Control            |
| EFRI  | Energy Fuels Resources (USA) Inc.             |
| GEL   | GEL Laboratories, Inc.                        |
| GWCLs | Groundwater Compliance Limits                 |
| GWDP  | Groundwater Discharge Permit                  |
| LCS   | Laboratory Control Spike                      |
| MS    | Matrix Spike                                  |
| MSD   | Matrix Spike Duplicate                        |
| QA    | Quality Assurance                             |
| QAP   | Groundwater Monitoring Quality Assurance Plan |
| QC    | Quality Control                               |
| RPD   | Relative Percent Difference                   |
| SOPs  | Standard Operating Procedures                 |
| USEPA | United States Environmental Protection Agency |

## **1.0 INTRODUCTION**

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the “GWDP”) for the first quarter of 2014 for Energy Fuels Resources (USA) Inc’s. (“EFRI’s”) White Mesa Uranium Mill (the “Mill”). As required under Parts I.E.1, I.E.2 and I.E.5 of the GWDP, this Report includes recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

## **2.0 GROUNDWATER MONITORING**

### **2.1 Samples and Measurements Taken During the Quarter**

A map showing the location of groundwater monitoring wells, piezometers, existing wells, chloroform contaminant investigation wells and nitrate contaminant investigation wells is attached under Tab A. Groundwater samples and measurements were taken during this reporting period, as discussed in the remainder of this section.

#### **2.1.1 Groundwater Compliance Monitoring**

Groundwater samples and field measurements collected during the quarter included both quarterly and accelerated monitoring. Accelerated monitoring is discussed below in Section 2.1.2. In this report, samples classified as being collected quarterly include those wells which are routinely sampled every quarter as well as semi-annual wells which are sampled on an accelerated quarterly schedule due to exceedances reported in previous quarterly reports. Wells which are sampled routinely every quarter were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2)ii of the GWDP dated August 24, 2012. The semi-annual wells which have been accelerated to quarterly are analyzed only for those parameters which exceeded the Groundwater Compliance Limits (“GWCLs”) in Table 2 and Part I.E.1.c) 2)ii of the GWDP as described in previous reports.

Table 1 of this report provides an overview of wells sampled during the current period, along with the required sampling frequency applicable to each well during the current monitoring period, the date samples were collected from each well, and the date(s) analytical data were received from the contract laboratory(ies). Table 1 also indicates which sample numbers are associated with the required duplicates.

During this quarter, one well and one duplicate were resampled multiple times due to a laboratory error and a Chain-of-Custody (“COC”) issue that was identified during routine data reviews. The following is a list of wells which were resampled and the reason for the resampling effort:

- MW-36 – MW-36 (and the duplicate MW-70) was initially sampled on February 26, 2014 as part of the routine quarterly monitoring. An error was noted on the COC during routine reviews and the analyses conducted by American West

Analytical Laboratories (“AWAL”) were cancelled. The Gross Alpha analysis conducted by GEL Laboratories, Inc. (“GEL”) was not cancelled and the Gross Alpha data for both MW-36 and MW-70 are reported in Tab E.

- MW-36 – MW-36 and MW-70 were resampled for the parameters (including Gross Alpha) listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated August 24, 2012 on March 5, 2014. AWAL informed EFRI that there was an error in the analysis of bicarbonate which resulted in the data being reported at an elevated Reporting Limit (“RL”). EFRI resampled MW-36 and MW-70 for bicarbonate analysis on March 25, 2014.

As noted above, a COC issue was identified during routine data review. Mill Field Personnel inadvertently used the wrong electronic COC form for the monthly samples of MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35 and the quarterly analysis of MW-36 and MW-70. As stated above the AWAL analytical suite for MW-36 and MW-70 was cancelled and the sample aliquot received by AWAL was discarded. The Gross Alpha analysis associated with the February 26, 2014 sample of MW-36 and MW-70 was completed and the data are included in Tab E.

Upon discovery of the COC issue, the COCs associated with the February monthly samples for wells MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, and MW-35 were thoroughly reviewed to assure the required accelerated monthly parameters were included in the requested analyses. The review indicated that two required accelerated monthly parameters were omitted from the request; however, since the sample was still within holding time, the analyses were requested and completed as required. The COC issue was resolved and no required monthly accelerated analyses were missed or omitted and the required monthly accelerated suite was completed. As a result of the COC issue, additional data not required for accelerated monthly sampling for wells MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, and MW-35 were reported by AWAL and GEL (Gross Alpha). The additional data as well as the required accelerated monthly data are included in Tab F2.

The COC issue identified above has resulted in a Corrective Action as described in Section 4.0.

### **2.1.2 Accelerated Groundwater Monitoring**

Accelerated monthly sampling was also performed (quarterly wells accelerated to monthly), and results reported, for the wells indicated in Table 1. The accelerated sampling frequency, analyte list and well list were determined based on the previous analytical results as shown in Table 2.

Table 1 provides an overview of the wells sampled for the accelerated monthly program along with the routine sampling frequency as well as the accelerated sampling frequency, the date samples were collected from each well, the associated duplicates and the date(s) which analytical data were received from the contract laboratory(ies).

### **2.1.3 Background Well Monitoring**

Monitor well MW-35 was installed in the third quarter 2010 and has been sampled quarterly (and monthly for certain constituents) since the fourth quarter 2010. Monitor wells MW-36 and MW-37 were installed in the second quarter 2011 and have been sampled quarterly since second quarter 2011. The GWDP requires the completion of a background report for each of these wells after the completion of 8 quarters of sampling. The background reports and resultant Groundwater Compliance Limits (“GWCLs”) are to be calculated based on 8 statistically valid data points.

The statistical methods used for the background assessments and calculation of the GWCLs are based on the United States Environmental Protection Agency’s (“USEPA”) *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance* (USEPA, 2009), as approved by the Utah Division of Radiation Control (“DRC”).

In wells MW-35, MW-36, and MW-37 preliminary statistics of the analytical data were analyzed every quarter since the completion of 8 quarters of sampling. The preliminary statistical results indicated that there were extreme values present in the data and as a result, there were not 8 statistically valid data points for the GWDP analytes. EFRI presented this information to DRC who agreed to delay the completion of the background report for MW-35, MW-36 and MW-37 until 8 statistically valid data points were available for every analyte in all three wells.

Eight statistically valid data points for MW-35, MW-36, and MW-37 were available after the fourth quarter 2013 sampling event. EFRI submitted the background report for MW-35, MW-36, and MW-37 on May 1, 2014.

### **2.1.4 Parameters Analyzed**

Routine quarterly groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated August 24, 2012. The accelerated monitoring samples were analyzed for a more limited and specific parameter list as shown in Table 2.

### **2.1.5 Groundwater Head Monitoring**

Depth to groundwater was measured in the following wells and/or piezometers, pursuant to Part I.E.3 of the GWDP dated August 24, 2012:

- The quarterly groundwater compliance monitoring wells (including, MW-34).
- Existing monitoring well MW-4 and the temporary chloroform investigation wells.
- Piezometers – P-1, P-2, P-3, P-4 and P-5.
- Nitrate monitoring wells.
- The DR piezometers which were installed during the Southwest Hydrogeologic Investigation.
- In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

Water levels used for groundwater contour mapping were measured and recorded within 5 calendar days of each other as indicated by the measurement dates in the summary sheet under Tab D.

## **2.2 Field Data**

Attached under Tab B are copies of field data sheets recorded in association with the quarterly effort for the groundwater compliance monitoring wells referred to in paragraph 2.1.1, above. Sampling dates are listed in Table 1.

Attached under Tab C are copies of field data sheets recorded in association with the accelerated monthly monitoring and sampling efforts.

## **2.3 Laboratory Results - Quarterly Sampling**

### **2.3.1 Copy of Laboratory Results**

Analytical results are provided by the Mill's two contract analytical laboratories: GEL and AWAL.

Table 1 lists the dates when analytical results were reported to the Quality Assurance ("QA") Manager for each well.

Results from analysis of samples collected under the GWDP (i.e., regular quarterly and accelerated semi-annual samples) are provided in Tab E. Also included under Tab E are the results of analyses for duplicate samples as identified in Table 1.

The laboratory report dates for samples collected for the monthly accelerated sampling (i.e. quarterly accelerated to monthly) are provided in Table 1. Results from analysis of samples collected for the monthly accelerated sampling (i.e. quarterly accelerated to

monthly) are provided in Tab F. Also included under Tab F are the results of analyses for duplicate samples for this sampling effort, as identified in Table 1.

Copies of laboratory QA/Quality Control (“QC”) Summaries are included with the reported data under their corresponding Tabs.

### **2.3.2 Regulatory Framework and Groundwater Background**

Under the GWDP dated August 24, 2012, background groundwater quality has been determined on a well-by-well basis, as defined by the mean plus second standard deviation concentration or the equivalent. GWCLs that reflect this background groundwater quality have been set for compliance monitoring wells except MW-35, MW-36, and MW-37. It is important to note that the GWDP dated February 15, 2011 also set GWCLs for MW-35. The GWCLs for MW-35 have been set at one-quarter of the Utah Groundwater Quality Standard, pending determination of background for the well, and are not based on eight quarters of data from that well. A background report for MW-35, MW-36 and MW-37 was completed after the collection of eight quarters of statistically valid data for the GWDP constituents at each of these wells and was submitted on May 1, 2014.

Exceedances of the GWCLs during the preceding quarter determined the accelerated monthly monitoring program implemented during this quarter as noted in Tables 1 and 2.

Exceedances of the GWCLs for this quarter are listed in Table 2 for sampling required under the revised GWDP dated August 24, 2012. Accelerated requirements resulting from this quarter are highlighted for ease of reference. Table 3 documents the accelerated sampling program that started in the second quarter 2010 and shows the results and frequency of the accelerated sampling conducted since that time.

It should be noted, however, that, because the GWCLs have been set at the mean plus second standard deviation, or the equivalent, un-impacted groundwater would normally be expected to exceed the GWCLs approximately 2.5% of the time. Therefore, exceedances are expected in approximately 2.5% of sample results, and do not necessarily represent impacts to groundwater from Mill operations. In fact, more frequent sampling of a given analyte will increase the number of exceedances due to statistical variation and not due to Mill activity. Additionally, given the slow velocity of groundwater movement, accelerated sampling monthly may result in resampling of the same water and may lead to repeat exceedances for accelerated constituents not due to Mill activities, but due to repeat sampling of the same water.

## **2.4 Laboratory Results – Accelerated Monitoring**

### **2.4.1 Copy of Laboratory Results**

The analytical results for the accelerated monthly monitoring of the various constituents in certain monitoring wells for the quarter are provided at Tab F.

## **2.4.2 Regulatory Framework and Groundwater Background**

As a result of the issuance of a revised GWDP on January 20, 2010, which sets revised GWCLs, requirements to perform accelerated monitoring under Part I.G.1 of the previous GWDP ceased effective on January 20, 2010, and the effect of the issuance of the revised GWDP was to create a “clean slate” for all constituents in all wells going forward.

This means that accelerated monitoring during this quarter was required under the revised GWDP for only those constituents that exceeded the GWCLs since January 20, 2010.

## **2.4.3 Compliance Status**

Analytes that have exceeded the GWCLs set forth in the GWDP are summarized in Table 2. The analytes which exceeded their respective GWCLs during the quarter will be sampled on an accelerated schedule as noted in Table 2. A review of the accelerated data collected during the quarter indicate that several analytes have exceeded their respective GWCLs for two consecutive sampling periods as reported in EFRI’s letter to DRC on May 5, 2014. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through first quarter 2014.

Part I.G.1 c) of the GWDP states, with respect to exceedances of GWCLs, “that the Permittee shall prepare and submit within 30 calendar days to the Executive Secretary a plan and a time schedule for assessment of the sources, extent and potential dispersion of the contamination, and an evaluation of potential remedial action to restore and maintain groundwater quality to insure that Permit limits will not be exceeded at the compliance monitoring point and that Discharge Minimization Technology or Best Available Technology will be reestablished.” EFRI submitted an exceedance notice on May 5, 2014 for the first quarter 2014 results. The summary in the Exceedance Notice includes, for each exceedance, a brief discussion of whether such a plan and schedule is required at this time in light of other actions currently being undertaken by EFRI. The determination of whether a Plan and Time Schedule is required is based on discussions with DRC Staff in teleconferences on April 27 and May 2, 2011 and the constituents covered by previously submitted Source Assessment Reports.

## **2.5 Depth to Groundwater and Water Table Contour Map**

As stated above, a listing of groundwater level readings for the quarter (shown as depth to groundwater in feet) is included under Tab D. The data from Tab D has been interpreted (kriged) and plotted in a water table contour map, provided under Tab H.

The water table contour map provides the location and identity of the wells and piezometers for which depth to groundwater is recorded. The groundwater elevation at each well and piezometer, measured in feet above mean sea level, and isocontour lines to delineate groundwater flow directions observed during the quarter’s sampling event are displayed on the map.

### **3.0 QUALITY ASSURANCE AND DATA VALIDATION**

The Mill QA Manager performed a QA/QC review to confirm compliance of the monitoring program with requirements of the Groundwater Monitoring Quality Assurance Plan (“QAP”). As required in the QAP, data QA includes preparation and analysis of QC samples in the field, review of field procedures, an analyte completeness review, and quality control review of laboratory data methods and data. Identification of field QC samples collected and analyzed is provided in Section 3.1. Discussion of adherence to Mill sampling Standard Operating Procedures (“SOPs”) is provided in Section 3.2. Analytical completeness review results are provided in Section 3.3. The steps and tests applied to check laboratory data QA/QC are discussed in Sections 3.4.4 through 3.4.9 below.

The Analytical Laboratories have provided summary reports of the analytical QA/QC measurements necessary to maintain conformance with National Environmental Laboratory Accreditation Conference certification and reporting protocol. The analytical laboratory QA/QC Summary Reports, including copies of the Mill’s COC and Analytical Request Record forms for each set of Analytical Results, follow the analytical results under Tabs E and F. Review of the laboratory QA/QC information is provided under Tab G and discussed in Section 3.4, below.

#### **3.1 Field QC Samples**

The following field QC samples were generated by Mill personnel and submitted to the analytical laboratory in order to assess the quality of data resulting from the field sampling program:

Two duplicate samples were collected during quarterly sampling as indicated in Table 1. The QC samples were sent blind to the analytical laboratory and analyzed for the same parameters as permit-required samples.

One duplicate sample was collected during each month of accelerated sampling as indicated in Table 1. The QC samples were sent blind to the analytical laboratory and analyzed for the same accelerated parameters as the parent sample.

Four trip blanks were provided by AWAL and returned and analyzed with the quarterly monitoring samples.

One trip blank for January and three for February were provided by AWAL and returned and analyzed with the accelerated monthly monitoring samples.

Rinsate samples were not collected during the quarter because equipment used during sample collection was dedicated and did not require decontamination. All wells except MW-37 have dedicated pumps for purging and sampling and as such no rinsate blank samples are required. MW-37 was sampled with a disposable bailer and no rinsate blank was required. A deionized field blank was not required because equipment

decontamination was not required and deionized water was not used during this sampling event.

### **3.2 Adherence to Mill Sampling SOPs**

On a review of adherence by Mill personnel to the existing sampling SOPs, the QA Manager observed that QA/QC requirements established in the QAP were met and that the SOP's were implemented as required.

### **3.3 Analyte Completeness Review**

Analyses required by the GWDP for the quarterly and semi-annual wells were performed. The accelerated sampling for the semi-annual wells (semi-annual to quarterly) was completed as required by the GWDP and as shown in Tables 2 and 3. The accelerated quarterly sampling (quarterly to monthly) required for this quarter, as shown in Tables 2 and 3, was performed as required except as noted below.

The monthly accelerated sampling program shown on Tables 2 and 3 is required as a result of exceedances in quarterly well monitoring results reported in previous quarters.

One item was noted during the QA/QC review of the analytical data. As discussed in Section 2.1.1 a COC issue was identified during routine data review. Mill Field Personnel inadvertently used the wrong electronic COC form for the monthly samples of MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35 and the quarterly analysis of MW-36 and MW-70.

Two required accelerated monthly parameters were omitted from the COCs; however, since the sample was still within holding time, the analyses were requested and completed as required. The COC issue was resolved and no required monthly accelerated analyses were missed or omitted and the required monthly accelerated suite was completed. As a result of the COC issue, additional data not required for accelerated monthly sampling for wells MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, and MW-35 were reported by AWAL and GEL (Gross Alpha). The additional data as well as the required accelerated monthly data are included in Tab F2.

### **3.4 Data Validation**

The QAP and GWDP identify the data validation steps and data quality control checks required for the groundwater monitoring program. Consistent with these requirements, the QA Manager completed the following evaluations: a field data QA/QC evaluation, a receipt temperature check, a holding time check, an analytical method check, a reporting limit check, a trip blank check, a QA/QC evaluation of routine sample duplicates, a QA/QC evaluation of accelerated sample duplicates, a gross alpha counting error evaluation and a review of each laboratory's reported QA/QC information. Each evaluation is discussed in the following sections. Data check tables indicating the results of each test are provided under Tab G.

### 3.4.1 Field Data QA/QC Evaluation

The QA Manager performs a review of field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and the stability of the following field parameters (based upon the purging method chosen): conductance, pH, temperature, redox potential, and turbidity. Stability of field parameters and well sampling techniques are dependent on the purging technique employed. Review of the Depth to Water data confirms that depth measurements were conducted within a five-day period. The results of this quarter's review are provided in Tab G.

There are three purging strategies specified in Revision 7.2 of the QAP that are used to remove stagnant water from the casing during groundwater sampling at the Mill. The three strategies are as follows:

1. Purging three well casing volumes with a single measurement of field parameters
2. Purging two casing volumes with stable field parameters (within 10% [Relative Percent Difference] ("RPD"))
3. Purging a well to dryness and stability (within 10% RPD) of a limited list of field parameters after recovery

During both the quarterly sampling event and the two monthly events, the purging technique used was two casing volumes with stable field parameters (pH, Conductivity, Redox, temperature and turbidity) except for the following wells that were purged to dryness: MW-03A, MW-23, MW-24, and MW-37.

Based upon the review of the Field Data Sheets, quarterly and semi-annually sampled locations conformed to the QAP requirement for purging using the two casing volume technique except for MW-23 and MW-37. MW-23 and MW-37 were evacuated to dryness before two casing volumes could be removed. MW-37 has insufficient water to purge using a pump. Due to the small volume of water present, this well is purged and sampled using a disposable bailer. MW-37 conformed to the QAP, Revision 7.2 requirement for sampling low yield wells which includes the collection of three field parameters (pH, specific conductance ["conductivity"] and temperature) immediately prior to and immediately following sample collection. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2. MW-03A and MW-24 were purged to dryness after 2 casing volumes were removed and the low yield sampling procedures were used for the collection of field parameters. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2 for wells MW-03A and MW-24.

Additionally, two casing volumes were not purged from MW-26, prior to sampling because MW-26 is a continuously pumped well. If a well is continuously pumped, it is pumped on a set schedule per the remediation plan and is considered sufficiently

evacuated to immediately collect a sample; however, if a pumping well has been out of service for 48 hours or more, EFRI follows the purging requirements outlined in Attachment 2-3 of the QAP.

The review of the field sheets for compliance with QAP, Revision 7.2 requirements resulted in the observations noted below. The QAP requirements in Attachment 2-3 specifically state that field parameters must be stabilized to within 10% over at least two consecutive measurements. The QAP Attachment 2-3 states that turbidity should be less than 5 NTU prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP Attachment 2-3 does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements greater than 5 NTU below are included for information purposes only.

- Turbidity measurements were less than 5 NTU for the quarterly and semi-annual wells except MW-25, MW-29, MW-31, and MW-32. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.
- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-25 in both of the monthly events and MW-11 in the February monthly event. As previously noted, the QAP does not require that turbidity be less than 5 NTU. Turbidity measurements prior to sampling were within a 10% RPD for the accelerated sampling wells

The other field parameters (conductance, pH, redox potential, and temperature) for the wells were within the required RPD for the quarterly, semi-annual and accelerated sampling.

During review of the field data sheets, it was observed that sampling personnel consistently recorded depth to water for the quarterly, semi-annual and accelerated sampling programs to the nearest 0.01 foot.

EFRI's letter to DRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI has completed a monitoring well redevelopment program. The redevelopment report was submitted to DRC on September 30, 2011. DRC responded to the redevelopment report via letter on November 15, 2012. Per the DRC letter dated November 15, 2012, the field data generated this quarter are compliant with the turbidity requirements of the approved QAP.

### **3.4.2 Holding Time Evaluation**

QAP Table 1 identifies the method holding times for each suite of parameters. Sample holding time checks are provided under Tab G. The samples were received and analyzed within the required holding time.

### **3.4.3 Receipt Temperature Evaluation**

COC sheets were reviewed to confirm compliance with the QAP requirement in Table 1 that samples be received at 6°C or lower. Sample receipt temperature checks are provided under Tab G. The quarterly, semi-annual and accelerated samples were received within the required temperature limit.

As noted in Tab G, samples for gross alpha analyses were shipped without using ice. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

### **3.4.4 Analytical Method Checklist**

The analytical methods reported by both laboratories were checked against the required methods specified in the QAP. Analytical method check results are provided in Tab G. The review indicated that the quarterly, semi-annual and accelerated samples were analyzed in accordance with Table 1 of the QAP.

### **3.4.5 Reporting Limit Evaluation**

The analytical method reporting limits reported by both laboratories were checked against the reporting limits specified in the QAP Table 1. Reporting limit evaluations are provided in Tab G. The analytes were measured and reported to the required reporting limits except that several sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution as noted in Section 3.4.9. In all cases the reported value for the analyte was higher than the increased detection limit.

*It should be noted that in the GEL data, the reporting limit is shown under the heading "CRDL" (client required reporting limit) in the hardcopy data packages included in Tabs E and F.*

### **3.4.6 Trip Blank Evaluation**

The trip blank results were reviewed to identify any VOC sample contamination which is the result of sample handling and shipment. Trip blank evaluations are provided in Tab G. The trip blank results associated with the quarterly, semi-annual and accelerated samples were less than detection level for the GWDP VOCs.

### **3.4.7 QA/QC Evaluation for Routine Sample Duplicates**

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured results are less than 5 times the required detection limit. This standard is based on the

EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994, 9240.1-05-01 as cited in the QAP. The RPDs are calculated for the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data will be considered noncompliant only when the results are greater than 5 times the required detection limit and the RPD is greater than 20%. The additional duplicate information is provided for information purposes.

The duplicate results were within a 20% RPD in the quarterly and semi-annual samples except fluoride in duplicate pair MW-14/MW-75. Both of the sample results reported for MW-14/MW-75 were not five times greater than the reporting limit of 0.1 and as such the deviation from the 20% RPD requirement is acceptable. Results of the RPD test are provided under Tab G.

The duplicate results were within a 20% RPD in the monthly accelerated samples. Results of the RPD test are provided under Tab G.

### **3.4.8 Radiologics Counting Error and Duplicate Evaluation**

Section 9.14 of the QAP require that gross alpha analysis be reported with an activity equal to or greater than the GWCL, shall have a counting variance that is equal to or less than 20% of the reported activity concentration. An error term may be greater than 20% of the reported activity concentration when the sum of the activity concentration and error term is less than or equal to the GWCL.

Section 9.4 of the QAP also requires a comparability check between the sample and field duplicate sample results utilizing the formula provided in the text.

Results of quarterly, semi-annual, and accelerated radiologic sample QC are provided under Tab G. The quarterly, semi-annual, and accelerated radiologic sample results met the counting error requirements specified in the QAP.

### **3.4.9 Other Laboratory QA/QC.**

Section 9.2 of the QAP requires that the laboratory's QA/QC Manager check the following items in developing data reports: (1) sample preparation information is correct and complete, (2) analysis information is correct and complete, (3) appropriate analytical laboratory procedures are followed, (4) analytical results are correct and complete, (5) QC samples are within established control limits, (6) blanks are within QC limits, (7) special sample preparation and analytical requirements have been met, and (8) documentation is complete. In addition to other laboratory checks described above, EFRI's QA Manager rechecks QC samples and blanks (items (5) and (6)) to confirm that the percent recovery for spikes and the relative percent difference for spike duplicates are within the method-specific required limits, or that the case narrative sufficiently explains any deviation from these limits. Results of this quantitative check are provided under

Tab G. The lab QA/QC results from both GEL and AWAL samples for compounds regulated under the GWDP met these requirements.

Multiple sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution. In all cases the reported value for the analyte was higher than the increased detection limit.

The check samples included at least the following: a method blank, a laboratory control spike (“LCS”), a matrix spike (“MS”) and a matrix spike duplicate (“MSD”), or the equivalent, where applicable. It should be noted that:

- Laboratory fortified blanks are equivalent to LCSs.
- Laboratory reagent blanks are equivalent to method blanks.
- Post digestion spikes are equivalent to MSs.
- Post digestion spike duplicates are equivalent to MSDs.
- Laboratory Duplicates are equivalent to MSDs.

The qualifiers, and the corresponding explanations reported in the QA/QC Summary Reports for the check samples for the analytical methods were reviewed by the QA Manager.

The QAP, Section 8.1.2 requires that a MS/MSD pair be analyzed with each analytical batch. The QAP does not specify acceptance limits for the MS/MSD pair, and the QAP does not specify that the MS/MSD pair be prepared on EFRI samples only. Acceptance limits for MS/MSDs are set by the laboratories. The review of the information provided by the laboratories in the data packages verified that the requirements in the QAP to analyze a MS/MSD pair with each analytical batch was met. While the QAP does not require it, the recoveries were reviewed for compliance with the laboratory established acceptance limits. The QAP does not require this level of review and the results of this review are provided for information only.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the quarterly and semi-annual samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The AWAL data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAPs to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the accelerated samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The recoveries and RPDs which are outside of the laboratory established acceptance

limits do not affect the quality or usability of the data because the recoveries and RPDs above the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAP to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

The QAP specifies that surrogate compounds shall be employed for all organic analyses but the QAP does not specify acceptance limits for surrogate recoveries. The information from the Laboratory QA/QC Summary Reports indicates that the surrogate recoveries for the quarterly and accelerated samples were within acceptable laboratory limits for the surrogate compounds.

The information from the Laboratory QA/QC Summary Reports indicates that the LCS recoveries for both the quarterly and accelerated samples were within acceptable laboratory limits for the LCS compounds as noted in Tab G.

The QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. The analytical batches routinely contain a blank, which is a blank sample made and carried through all analytical steps. For the Mill samples, a method blank was prepared for the analytical methods. Per the approved QAP, contamination detected in analysis of method blanks will be used to evaluate any analytical laboratory contamination of environmental samples. QAP Revision 7.2 states that non-conformance conditions will exist when contaminant levels in the sample(s) are not an order of magnitude greater than the blank result. The method blanks for the quarterly samples and the accelerated samples reported no detections of any analyte except zinc. The zinc sample results associated with this method blank were nondetect. While the sample results were not an order of magnitude greater than the method blank as specified in the QAP, the sample results were an order of magnitude below the method blank. The sample results were not affected by the method blank detection because there were no positive detections reported for zinc in the samples in the analytical batch. The data are compliant with the intent of the QAP i.e., that sample results are not affected by method blank detections. Method blank results are included in Tab E.

Laboratory duplicates are completed by the analytical laboratories as required by the analytical method specifications. Acceptance limits for laboratory duplicates are set by the laboratories. The QAP does not require the completion of laboratory duplicates or the completion of a QA assessment of them. EFRI reviews the QC data provided by the laboratories for completeness and to assess the overall quality of the data provided. Duplicate results outside of the laboratory established acceptance limits are included in Tab G. The results outside of the laboratory established acceptance limits do not affect the quality or usability of the data because the RPDs above the acceptance limits are indicative of non-homogeneity in the sample matrix. Matrix effects are applicable to the individual sample results only.

## **4.0 CORRECTIVE ACTION REPORT**

Necessary corrective actions identified during the current monitoring period are described below, in accordance with Part I.F.1.e of the GWDP.

### **4.1 Identification and Definition of the Problem**

The problem identified was:

The Mill Field Personnel used the wrong electronic COC template for the February monthly accelerated samples.

It is important to note that the wrong COC was used, no required analyses were missed. The error was noted during the QA/QC process implemented by the QA Manager as the result of the previous corrective actions.

### **4.2 Assignment of Responsibility for Investigating the Problem**

This issue was investigated by the QA Manager.

### **4.3 Investigation and Determination of Cause of the Problem**

The wrong electronic COC template was inadvertently used by the Mill Field Personnel due to an absence. The Staff member who is usually responsible for the COC completion was on leave. A Staff member, who is less familiar with the COCs, completed the COCs and used the wrong template.

### **4.4 Determination of a Corrective Action to Eliminate the Problem**

The corrective action implemented was two-fold. First, additional training of all Mill Field Personnel responsible for sample handling was conducted by The QA Manager. Second, the laboratories have been instructed to send copies of the field completed COCs and the resulting laboratory work order sheets to the QA Manager upon receipt of the samples. No analyses are to be completed until the QA Manager reviews and approves the COCs and laboratory work orders.

### **4.5 Assigning and Accepting Responsibility for Implementing the Corrective Action**

It will be the responsibility of the QA Manager to implement the corrective action.

### **4.6 Implementing the Corrective Action and Evaluating Effectiveness**

Implementation of the corrective action for the COCs began immediately following the identification of the issue.

#### **4.7 Verifying That the Corrective Action Has Eliminated the Problem**

Verification of the COC procedure occurred after the February 2014 issue was noted. The corrective action has been implemented in March, April and May of 2014.

#### **4.8 Assessment of Corrective Actions from Previous Period**

No corrective actions were identified in the fourth quarter 2013 report.

#### **5.0 TIME CONCENTRATION PLOTS**

Time concentration plots for each monitoring well for the following constituents: chloride, fluoride, sulfate, and uranium, are included under Tab I. The data points collected to date are reflected on the plots.

Time concentration plots included with quarterly groundwater reports prior to and including first quarter 2012 did not include data that were determined to be outliers using the statistical methods used for the background determinations at the Mill. Based on conversations with DRC, the data have been included in the quarterly time concentration plots since first quarter 2012. Future time concentration plots will include all data points.

#### **6.0 ELECTRONIC DATA FILES AND FORMAT**

EFRI has provided to the Director electronic copies of the laboratory results from groundwater quality monitoring conducted during the quarter in Comma Separated Values format, from the analytical laboratories. A copy of the transmittal e-mail is included under Tab J.

**7.0 SIGNATURE AND CERTIFICATION**

This document was prepared by Energy Fuels Resources (USA) Inc. on May 20, 2014.

ENERGY FUELS RESOURCES (USA) INC.

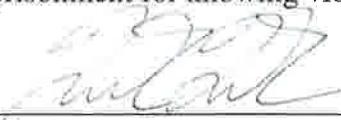
By:

A handwritten signature in black ink, appearing to read "Frank Filas", written over a light blue horizontal line.

Frank Filas, P.E  
Vice President, Permitting and Environmental Affairs

Certification:

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



---

Frank Filas, P.E  
Vice President, Permitting and Environmental Affairs  
Energy Fuels Resources (USA) Inc.

## Tables

Table 1: Summary of Well Sampling for Q1 2014

| Well                                | Normal Frequency | Purpose for sampling this quarter | Sample Date | Date of Lab Report                  |
|-------------------------------------|------------------|-----------------------------------|-------------|-------------------------------------|
| MW-01                               | Semi-annually    | Semi-annually                     | 2/20/2014   | (3/17/2014)                         |
| MW-03                               | Semi-annually    | Semi-annually                     | 2/26/2014   | (3/18/2014)                         |
| MW-03A                              | Semi-annually    | Semi-annually                     | 3/5/2014    | (3/26/2014)                         |
| MW-05                               | Semi-annually    | Semi-annually                     | 2/12/2014   | (2/28/2014) (3/11/2014)             |
| MW-11                               | Quarterly        | Quarterly                         | 3/11/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-12                               | Semi-annually    | Semi-annually                     | 3/12/2014   | (2/28/2014) (3/11/2014)             |
| MW-14                               | Quarterly        | Quarterly                         | 3/11/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-15                               | Semi-annually    | Semi-annually                     | 2/25/2014   | (3/18/2014)                         |
| MW-18                               | Semi-annually    | Semi-annually                     | 2/19/2014   | (3/17/2014)                         |
| MW-19                               | Semi-annually    | Semi-annually                     | 2/18/2014   | (3/17/2014) [3/18/2014]             |
| MW-23                               | Semi-annually    | Semi-annually                     | 3/5/2014    | (3/26/2014)                         |
| MW-24                               | Semi-annually    | Semi-annually                     | 3/6/2014    | (3/26/2014)                         |
| MW-25                               | Quarterly        | Quarterly                         | 2/10/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-26                               | Quarterly        | Quarterly                         | 3/12/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-27                               | Semi-annually    | Semi-annually                     | 2/25/2014   | (3/18/2014) [3/21/2014]             |
| MW-28                               | Semi-annually    | Semi-annually                     | 2/26/2014   | (3/18/2014)                         |
| MW-29                               | Semi-annually    | Semi-annually                     | 2/25/2014   | (3/18/2014)                         |
| MW-30                               | Quarterly        | Quarterly                         | 3/11/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-31                               | Quarterly        | Quarterly                         | 3/10/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-32                               | Semi-annually    | Semi-annually                     | 2/11/2014   | [3/18/2014]                         |
| MW-35                               | Quarterly        | Background                        | 3/11/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| MW-36                               | Quarterly        | Background                        | 2/26/2014   | (3/26/2014) [3/21/2014] [4/2/2014]  |
| MW-36 Resample                      | Quarterly        | Background                        | 3/5/2014    | (3/26/2014) [4/2/2014]              |
| MW-36 Resample                      | Quarterly        | Background                        | 3/25/2014   | (3/26/2014)                         |
| MW-37                               | Quarterly        | Background                        | 3/20/2014   | (4/5/2014) [4/18/2014]              |
| MW-70                               | 1 per Batch      | Duplicate of MW-36                | 2/26/2014   | (3/26/2014) [3/21/2014] [4/2/2014]  |
| MW-70 Resample                      | 1 per Batch      | Duplicate of MW-36                | 3/5/2014    | (3/26/2014) [4/2/2014]              |
| MW-70 Resample                      | 1 per Batch      | Duplicate of MW-36                | 3/25/2014   | (3/26/2014)                         |
| MW-75                               | Quarterly        | Duplicate of MW-14                | 3/11/2014   | (3/31/2014) (4/11/2014) [4/10/2014] |
| <b>Accelerated January Monthly</b>  |                  |                                   |             |                                     |
| MW-11                               | Monthly          | Accelerated                       | 1/8/2014    | (1/24/2014)                         |
| MW-14                               | Monthly          | Accelerated                       | 1/8/2014    | (1/24/2014)                         |
| MW-25                               | Monthly          | Accelerated                       | 1/7/2014    | (1/24/2014)                         |
| MW-26                               | Monthly          | Accelerated                       | 1/8/2014    | (1/24/2014)                         |
| MW-30                               | Monthly          | Accelerated                       | 1/8/2014    | (1/24/2014)                         |
| MW-31                               | Monthly          | Accelerated                       | 1/7/2014    | (1/24/2014)                         |
| MW-35                               | Monthly          | Accelerated                       | 1/8/2014    | (1/24/2014) [1/27/2014]             |
| MW-65                               | Monthly          | Duplicate of MW-35                | 1/8/2014    | (1/24/2014) [1/27/2014]             |
| <b>Accelerated February Monthly</b> |                  |                                   |             |                                     |
| MW-11                               | Monthly          | Accelerated                       | 2/24/2014   | (3/18/2014) [3/21/2014]             |
| MW-14                               | Monthly          | Accelerated                       | 2/24/2014   | (3/18/2014) [3/21/2014]             |
| MW-25                               | Monthly          | Accelerated                       | 2/13/2014   | (2/28/2014) (3/11/2014) [3/18/2014] |
| MW-26                               | Monthly          | Accelerated                       | 2/24/2014   | (3/18/2014) [3/21/2014]             |
| MW-30                               | Monthly          | Accelerated                       | 2/25/2014   | (3/18/2014) [3/21/2014]             |
| MW-31                               | Monthly          | Accelerated                       | 2/17/2014   | (3/17/2014) [3/18/2014]             |
| MW-35                               | Monthly          | Accelerated                       | 2/11/2014   | (2/28/2014) (3/11/2014) [3/18/2014] |
| MW-65                               | 1 per Batch      | Duplicate of MW-30                | 2/25/2014   | (3/18/2014) [3/21/2014]             |

## Notes:

Dates in italics are the original laboratory submission dates. Resubmissions were required to correct reporting errors or to address reanalyses.

Date in parenthesis depicts the date that data were reported from American West Analytical Laboratories.

Date in brackets depicts the date the data were reported from GEL Laboratories.

**Table 2**  
**Exceedances and Acceleration Requirements**

| Monitoring Well (Water Class)  | Constituent Exceeding GWCL       | GWCL in Current GWDP | First Result Exceeding the GWCL | Routine Sample Frequency | Accelerated Frequency | Exceedance Sample Period | Start of Accelerated Monitoring |
|--|----------------------------------|----------------------|---------------------------------|--------------------------|-----------------------|--------------------------|---------------------------------|
| <b>Quarterly Wells Accelerated to Monthly Sampling<sup>1</sup></b>     |                                  |                      |                                 |                          |                       |                          |                                 |
| MW-11 (Class II)   | Field pH (S.U.)                  | 6.5 - 8.5            | 6.17                            | Quarterly                | Monthly               | April 2013               | Septemehr 2013                  |
|  | Manganese (ug/L)                 | 131.29               | 134                             | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
| MW-14 (Class III)  | Manganese (ug/L)                 | 2230.30              | 2360                            | Quarterly                | Monthly               | Q2 2012                  | August 2012                     |
|  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.45                            | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
| MW-25 (Class III)  | Uranium (ug/L)                   | 6.5                  | 7.13                            | Quarterly                | Monthly               | Q4 2013                  | March 2014                      |
|  | Cadmium (ug/L)                   | 1.5                  | 1.56                            | Quarterly                | Monthly               | Q4 2012                  | March 2013                      |
|  | Chloride (mg/L)                  | 35                   | 36.1                            | Quarterly                | Monthly               | Q1 2013                  | June 2013                       |
|  | Fluoride (mg/L)                  | 0.42                 | 0.534                           | Quarterly                | Monthly               | Q3 2013                  | December 2013                   |
|  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.47                            | Quarterly                | Monthly               | Q4 2012                  | February 2013                   |
| MW-26 (Class III)  | Nitrate + Nitrite (as N) (mg/L)  | 0.62                 | 1.3                             | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | Uranium (ug/L)                   | 41.8                 | 58.7                            | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | Chloroform (ug/L)                | 70                   | 700                             | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | Chloride (mg/L)                  | 58.31                | 72                              | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | Methylene Chloride (ug/L)        | 5                    | 9.9                             | Quarterly                | Monthly               | Q2 2010                  | June 2010                       |
|  | Carbon tetrachloride (ug/L)      | 5                    | 6.86                            | Quarterly                | Monthly               | Q1 2014                  | June 2014                       |
|  | Field pH (S.U.)                  | 6.74 - 8.5           | 6.59                            | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
| MW-30 (Class II)   | Nitrate + Nitrite (as N) (mg/L)  | 2.5                  | 16.1                            | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | Chloride (mg/L)                  | 128                  | 134                             | Quarterly                | Monthly               | Q1 2011                  | May 2011                        |
|  | Uranium (ug/L)                   | 8.32                 | 8.57                            | Quarterly                | Monthly               | Q4 2013                  | March 2014                      |
|  | Selenium (ug/L)                  | 34                   | 35.3                            | Quarterly                | Monthly               | Q2 2010                  | July 2010                       |
| MW-31 (Class III)  | Nitrate + Nitrite (as N) (mg/L)  | 5                    | 21.7                            | Quarterly                | Monthly               | Q1 2010                  | May 2010                        |
|  | TDS (mg/L)                       | 1320                 | 1330                            | Quarterly                | Monthly               | Q3 2010                  | January 2011                    |
|  | Sulfate (mg/L)                   | 532                  | 539                             | Quarterly                | Monthly               | Q4 2010                  | March 2011                      |
|  | Selenium (ug/L)                  | 71                   | 74                              | Quarterly                | Monthly               | Q3 2012                  | December 2012                   |
|  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.45                            | Quarterly                | Monthly               | February 2014            | June 2014                       |
| MW-35 (Class II)   | Chloride (mg/L)                  | 143                  | 145                             | Quarterly                | Monthly               | Q1 2011                  | May 2011                        |
|  | Uranium (ug/L)                   | 7.5                  | 21.7                            | Quarterly                | Monthly               | Q3 2011                  | July 2011                       |
|  | Thallium (ug/L)                  | 0.5                  | 1.14                            | Quarterly                | Monthly               | Q4 2011                  | July 2011                       |
|  | Selenium (ug/L)                  | 12.5                 | 19.7                            | Quarterly                | Monthly               | Q1 2012                  | June 2012                       |
|  | Gross Alpha minus Rn & U (pCi/L) | 3.75                 | 4.5                             | Quarterly                | Monthly               | Q3 2011                  | Q4 2011                         |
|  | Manganese (ug/L)                 | 200                  | 369                             | Quarterly                | Monthly               | Q3 2011                  | July 2011                       |
| <b>Semi-Annual Wells Accelerated to Quarterly Sampling<sup>1</sup></b> |                                  |                      |                                 |                          |                       |                          |                                 |
| Monitoring Well (Water Class)  | Constituent Exceeding GWCL       | GWCL in Current GWDP | First Result Exceeding the GWCL | Sample Frequency         | Accelerated Frequency | Exceedance Sample Period | Start of Accelerated Monitoring |
| MW-1 (Class II)  | Tetrahydrofuran (ug/L)           | 11.5                 | 21.8                            | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
|  | Sulfate (mg/L)                   | 838                  | 846                             | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
|  | Manganese (ug/L)                 | 289                  | 315                             | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
| MW-3 (Class III)   | Selenium (ug/L)                  | 37                   | 37.2                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.14 (6.25)                     | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Nitrate + Nitrite (as N) (mg/L)  | 0.73                 | 1.21                            | Semi-Annually            | Quarterly             | Q4 2013                  | Q2 2014                         |
|  | Sulfate (mg/L)                   | 3663                 | 3760                            | Semi-Annually            | Quarterly             | Q4 2013                  | Q2 2014                         |
|  | Fluoride (mg/L)                  | 0.68                 | 0.71                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-3A (Class III)  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.23 (6.24)                     | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Sulfate (mg/L)                   | 3640                 | 3680                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | TDS (mg/L)                       | 5805                 | 5860                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Nitrate + Nitrite (as N) (mg/L)  | 1.3                  | 1.31                            | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
|  | Selenium (ug/L)                  | 89                   | 94.8                            | Semi-Annually            | Quarterly             | Q4 2010                  | Q1 2011                         |
| MW-5 (Class II)  | Uranium (ug/L)                   | 7.5                  | 11.6                            | Semi-Annually            | Quarterly             | Q4 2010                  | Q1 2011                         |
| MW-12 (Class III)  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.13                            | Semi-Annually            | Quarterly             | Q1 2014                  | Q2 2014                         |
|  | Selenium (ug/L)                  | 25                   | 25.7                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-15 (Class III)  | Selenium (ug/L)                  | 128.7                | 152                             | Semi-Annually            | Quarterly             | Q2 2012                  | Q3 2012                         |
|  | Field pH (S.U.)                  | 6.62 - 8.5           | 6.61                            | Semi-Annually            | Quarterly             | Q4 2013                  | Q2 2014                         |
|  | Iron (ug/L)                      | 81.7                 | 137                             | Semi-Annually            | Quarterly             | Q4 2011                  | Q1 2012                         |
| MW-18 (Class III)  | Thallium (ug/L)                  | 1.95                 | 3.73                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Sulfate (mg/L)                   | 1938.9               | 1950                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|  | Field pH (S.U.)                  | 6.25 - 8.5           | 6.16                            | Semi-Annually            | Quarterly             | Q1 2014                  | Q2 2014                         |
|  | TDS (mg/L)                       | 3198.77              | 3280                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-19 (Class III)  | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 | 4                               | Semi-Annually            | Quarterly             | Q4 2011                  | Q1 2012                         |
|  | Gross Alpha minus Rn & U (pCi/L) | 2.36                 | 4.86                            | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
|  | Field pH (S.U.)                  | 6.78-8.5             | 6.61 (6.66)                     | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-23 (Class III)  | Manganese (ug/L)                 | 550                  | 551                             | Semi-Annually            | Quarterly             | Q4 2011                  | Q1 2012                         |
|  | Field pH (S.U.)                  | 6.5 - 8.5            | 6.18                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |

**Table 2  
Exceedances and Acceleration Requirements**

| Monitoring Well (Water Class) | Constituent Exceeding GWCL       | GWCL in Current GWDP | First Result Exceeding the GWCL | Routine Sample Frequency | Accelerated Frequency | Exceedance Sample Period | Start of Accelerated Monitoring |
|-------------------------------|----------------------------------|----------------------|---------------------------------|--------------------------|-----------------------|--------------------------|---------------------------------|
| MW-24 (Class III)             | Cadmium (ug/L)                   | 2.5                  | 4.28                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Fluoride (mg/L)                  | 0.36                 | 0.558                           | Semi-Annually            | Quarterly             | Q4 2012                  | Q1 2013                         |
|                               | Thallium (ug/L)                  | 1                    | 1.3                             | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Field pH (S.U.)                  | 6.5 - 8.5            | 5.91 (5.78)                     | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-27 (Class III)             | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | 5.8                             | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Chloride (mg/L)                  | 38                   | 42                              | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Gross Alpha minus Rn & U (pCi/L) | 2                    | 2.4                             | Semi-Annually            | Quarterly             | Q4 2010                  | Q1 2011                         |
|                               | Sulfate (mg/L)                   | 462                  | 497                             | Semi-Annually            | Quarterly             | Q2 2013                  | Q1 2014                         |
|                               | TDS (mg/L)                       | 1075                 | 1160                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
| MW-28 (Class III)             | Chloride (mg/L)                  | 105                  | 108                             | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Manganese (ug/L)                 | 1837                 | 1850                            | Semi-Annually            | Quarterly             | Q2 2012                  | Q3 2012                         |
|                               | Field pH (S.U.)                  | 6.1 - 8.5            | 6.01                            | Semi-Annually            | Quarterly             | Q1 2014                  | Q2 2014                         |
| MW-29 (Class III)             | Field pH (S.U.)                  | 6.46 - 8.5           | 6.17                            | Semi-Annually            | Quarterly             | Q4 2010                  | Q2 2011                         |
|                               | Manganese (ug/L)                 | 5624                 | 6140                            | Semi-Annually            | Quarterly             | Q2 2012                  | Q3 2012                         |
|                               | TDS (mg/L)                       | 4400                 | 4600                            | Semi-Annually            | Quarterly             | Q2 2012                  | Q3 2012                         |
| MW-32 (Class III)             | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | 5.4                             | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |
|                               | Field pH (S.U.)                  | 6.4 - 8.5            | 6.03                            | Semi-Annually            | Quarterly             | Q2 2010                  | Q3 2010                         |

Notes:

<sup>1</sup> GWCL Values are taken from August 24, 2012 versions of the GWDP.

() Values listed in parentheses are resample results from the same sampling period. Samples were recollected due field or laboratory problems as noted in the specific report for that sample period.

Highlighted text shows accelerated requirements resulting from Q1 2014 sampling event.

Table 3 – GWCL Exceedances for First Quarter 2014 under the August 24, 2012 GWDP

| Q1 2010 Results                            |   |                              | Q2 2010 Results     |                |                     |                | Q3 2010 Results              |                         |                               |                          | Q4 2010 Results               |                          |                                 |                            |                     |                |                                  |                             |                     |                |                                   |                              |
|--|---|------------------------------|---------------------|----------------|---------------------|----------------|------------------------------|-------------------------|-------------------------------|--------------------------|-------------------------------|--------------------------|---------------------------------|----------------------------|---------------------|----------------|----------------------------------|-----------------------------|---------------------|----------------|-----------------------------------|------------------------------|
| Monitoring Well (Water Class)              | Constituent Exceeding GWCL                  | GWCL in August 24, 2012 GWDP | Q1 2010 Sample Date | Q1 2010 Result | Q2 2010 Sample Date | Q2 2010 Result | May 2010 Monthly Sample Date | May 2010 Monthly Result | June 2010 Monthly Sample Date | June 2010 Monthly Result | July 2010 Monthly Sample Date | July 2010 Monthly Result | August 2010 Monthly Sample Date | August 2010 Monthly Result | Q3 2010 Sample Date | Q3 2010 Result | October 2010 Monthly Sample Date | October 2010 Monthly Result | Q4 2010 Sample Date | Q4 2010 Result | December 2010 Monthly Sample Date | December 2010 Monthly Result |
| <b>Required Quarterly Sampling Wells</b>   |   |                              |                     |                |                     |                |                              |                         |                               |                          |                               |                          |                                 |                            |                     |                |                                  |                             |                     |                |                                   |                              |
| MW-11 (Class II)                           | Field pH (S.U.)                             | 6.5 - 8.5                    | 2/10/2010           | 7.34           | 4/28/2010           | 7.22           | 5/24/2010                    | 7.29                    | 6/16/2010                     | 8.21                     | 7/20/2010                     | 7.51                     | 8/25/2010                       | 7.32                       | 9/8/2010            | 8.34           | 10/20/2010                       | 7.49                        | 11/11/2010          | 7.44           | 12/15/10                          | 7.37                         |
|  | Manganese (ug/L)                            | 131.29                       |                     | 134            |                     | 137            |                              | 122                     |                               | 99                       |                               | 123                      |                                 | 138                        |                     | 128            |                                  | 141                         |                     | 133            |                                   | 158                          |
| MW-14 (Class III)                          | Manganese (ug/L)                            | 2230.30                      | 2/2/2010            | 2060           | 4/21/2010           | 2070           | 5/21/2010                    | NA                      | 6/16/2010                     | NA                       | 7/20/2010                     | NA                       | 8/25/2010                       | NA                         | 9/8/2010            | 1920           | 10/20/2010                       | NA                          | 11/10/2010          | 1980           | 12/15/2010                        | NA                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                     | 6.45           |                     | 6.29           |                              | 6.36                    |                               | 6.45                     |                               | 7.19                     |                                 | 6.48                       |                     | 6.51           |                                  | 6.60                        |                     | 6.37           |                                   | 6.47                         |
| MW-25 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | 2/3/2010            | 6.53           | 4/28/2010           | 7.2            | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | 9/8/2010            | 6.58           | NS                               | NA                          | 11/10/2010          | 6.36           | NS                                | NA                           |
|  | Cadmium (ug/L)                              | 1.5                          |                     | 1.26           |                     | 1.44           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 1.4            |                                  | NA                          |                     | 1.26           |                                   | NA                           |
|  | Chloride (mg/L)                             | 35                           |                     | 31             |                     | 31             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 31             |                                  | NA                          |                     | 31             |                                   | NA                           |
|  | Fluoride (mg/L)                             | 0.42                         |                     | 0.31           |                     | 0.33           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 0.34           |                                  | NA                          |                     | 31             |                                   | NA                           |
|  | Uranium                                     | 6.5                          |                     | 5.93           |                     | 6.43           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 6.57           |                                  | NA                          |                     | 5.89           |                                   | NA                           |
| MW-26 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 0.62                         | 2/2/2010            | 1.3            | 4/22/2010           | 2              | 5/21/2010                    | 0.3                     | 6/16/2010                     | 0.4                      | 7/21/2010                     | 0.6                      | 8/16/2010                       | 0.6                        | 9/26/2010           | 0.7            | 10/20/2010                       | 0.4                         | 11/15/2010          | 0.2            | 12/15/2010                        | 0.4                          |
|  | Uranium (ug/L)                              | 41.8                         |                     | 58.7           |                     | 66.7           |                              | 37.4                    |                               | 36.6                     |                               | 34.4                     |                                 | 71.8                       |                     | 72.7           |                                  | 37.5                        |                     | 30.4           |                                   | 29.6                         |
|  | Chloroform (ug/L)                           | 70                           |                     | 700            |                     | 1700           |                              | 800                     |                               | 940                      |                               | 900                      |                                 | 2800                       |                     | 2100           |                                  | 1000                        |                     | 1900           |                                   | 1400                         |
|  | Chloride (mg/L)                             | 58.31                        |                     | 72             |                     | 57             |                              | 80                      |                               | 47                       |                               | 52                       |                                 | 49                         |                     | 64             |                                  | 52                          |                     | 48             |                                   | 52                           |
|  | Carbon Tetrachloride (ug/L)                 | 5                            |                     | <1.0           |                     | <1.0           |                              | NA                      |                               | <1.0                     |                               | NA                       |                                 | NA                         |                     | <1.0           |                                  | NA                          |                     | <1.0           |                                   | NA                           |
|  | Field pH (S.U.)                             | 6.74 - 8.5                   |                     | 6.59           |                     | 7.18           |                              | 6.36                    |                               | 6.98                     |                               | 6.45                     |                                 | 6.39                       |                     | 6.60           |                                  | 6.61                        |                     | 6.49           |                                   | 6.45                         |
|  | Dichloromethane (Methylene Chloride) (ug/L) | 5                            |                     | 1              |                     | 9.9            |                              | NR                      |                               | 2.2                      |                               | 12                       |                                 | 24                         |                     | 45             |                                  | 5.5                         |                     | 16             |                                   | 1.2                          |
| MW-30 (Class II)                           | Nitrate + Nitrite (as N) (mg/L)             | 2.5                          | 2/9/2010            | 16.1           | 4/27/2010           | 15.8           | 5/21/2010                    | 17                      | 6/15/2010                     | 15.3                     | 7/21/2010                     | 16                       | 8/24/2010                       | 16                         | 9/14/2010           | 15             | 10/19/2010                       | 15                          | 11/9/2010           | 15             | 12/14/2010                        | 16                           |
|  | Chloride (mg/L)                             | 128                          |                     | 127            |                     | 97             |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 111            |                                  | NS                          |                     | 126            |                                   | NS                           |
|  | Uranium (ug/L)                              | 8.32                         |                     | 6.82           |                     | 6.82           |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 7.10           |                                  | NS                          |                     | 6.64           |                                   | NS                           |
|  | Selenium (ug/L)                             | 34                           |                     | 32             |                     | 35.3           |                              | NS                      |                               | NS                       | 7/27/2010                     | 33.5                     | 8/24/2010                       | 35.6                       |                     | 32.6           |                                  | 32.4                        |                     | 32.2           |                                   | 30.5                         |
| MW-31 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 5                            | 2/9/2010            | 21.7           | 4/20/2010           | 22.5           | 5/21/2010                    | 23                      | 6/15/2010                     | 21.1                     | 7/21/2010                     | 20                       | 8/24/2010                       | 22                         | 9/13/2010 (9/21/10) | 21             | 10/19/2010                       | 20                          | 11/9/2010           | 20             | 12/14/2010                        | 20                           |
|  | TDS (mg/L)                                  | 1320                         |                     | 1150           |                     | 1220           |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 1330           |                                  | NS                          |                     | 1320           |                                   | NS                           |
|  | Chloride (mg/L)                             | 143                          |                     | 128            |                     | 128            |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 139            |                                  | NS                          |                     | 138            |                                   | NS                           |
|  | Selenium (ug/L)                             | 71                           |                     | 60.8           |                     | 59.6           |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 64.4           |                                  | NS                          |                     | 60             |                                   | NS                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                     | 6.96           |                     | 7.38           | 5/21/2010                    | 6.95                    | 6/15/2010                     | 7.01                     | 7/21/2010                     | 7.80                     | 8/24/2010                       | 7.10                       |                     | 7.66 (7.13)    | 10/19/2010                       | 6.92                        |                     | 6.98           |                                   | 6.95                         |
|  | Sulfate (mg/L)                              | 532                          |                     | 507            |                     | 522            |                              | NS                      |                               | NS                       |                               | NS                       |                                 | NS                         |                     | 527            |                                  | NS                          |                     | 539            |                                   | NS                           |
| MW-35 (Class II)                           | Manganese (ug/L)                            | 200                          | NS                  | NA             | NS                  | NA             | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | NS                  | NA             | NS                               | NA                          | 11/30/2010          | 2.6            | NS                                | NA                           |
|  | Thallium (ug/l)                             | 0.5                          |                     | NA             |                     | NA             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 1.14           |                                   | NA                           |
|  | Gross Alpha minus Rn & U (pCi/L)            | 3.75                         |                     | NA             |                     | NA             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | ND             |                                   | NA                           |
|  | Selenium (ug/L)                             | 12.5                         |                     | NA             |                     | NA             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | ND             |                                   | NA                           |
|  | Uranium (ug/L)                              | 7.5                          |                     | NA             |                     | NA             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 27.2           |                                   | NA                           |
| <b>Required Semi-Annual Sampling Wells</b> |   |                              |                     |                |                     |                |                              |                         |                               |                          |                               |                          |                                 |                            |                     |                |                                  |                             |                     |                |                                   |                              |
| MW-01 (Class II)                           | Manganese (ug/L)                            | 289                          | NS                  | NA             | 5/5/2010            | 212            | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | NS                  | NA             | NS                               | NA                          | 11/18/2010          | 275            | NS                                | NA                           |
|  | Tetrahydrofuran (ug/L)                      | 11.5                         |                     | NA             |                     | 7.8            |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 10.7           |                                   | NA                           |
|  | Sulfate (mg/L)                              | 838                          |                     | NA             |                     | 805            |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 792            |                                   | NA                           |
| MW-03 (Class III)                          | Selenium (ug/L)                             | 37                           | NS                  | NA             | 5/3/2010            | 37.2           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | 9/20/2010           | 35.5           | NS                               | NA                          | 11/19/2010          | 38.8           | NS                                | NA                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                     | NA             |                     | 6.14 (6.25)    |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 6.39           |                                  | NA                          |                     | 6.35           |                                   | NA                           |
|  | Sulfate (mg/L)                              | 3663                         |                     | NA             |                     | 3490           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 3430           |                                   | NA                           |
|  | Nitrate + Nitrite (as N) (mg/L)             | 0.73                         |                     | NA             |                     | 0.3            |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 0.4            |                                   | NA                           |
|  | Fluoride (mg/L)                             | 0.68                         |                     | NA             |                     | 0.71           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 0.63           |                                  | NA                          |                     | 0.77           |                                   | NA                           |
| MW-3A (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | NS                  | NA             | 5/4/2010            | 6.23 (6.24)    | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | 9/21/2010           | 6.42           | NS                               | NA                          | 11/22/2010          | 6.21           | NS                                | NA                           |
|  | Sulfate (mg/L)                              | 3640                         |                     | NA             |                     | 3680           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 3630           |                                  | NA                          |                     | 3850           |                                   | NA                           |
|  | Nitrate + Nitrite (as N) (mg/L)             | 1.3                          |                     | NA             |                     | 1.0            |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 1.2            |                                   | NA                           |
|  | TDS (mg/L)                                  | 5805                         |                     | NA             |                     | 5860           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 5470           |                                  | NA                          |                     | 5330           |                                   | NA                           |
|  | Selenium (ug/L)                             | 89                           |                     | NA             |                     | 81.4           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NS             |                                  | NA                          |                     | 94.8           |                                   | NA                           |
| MW-05 (Class II)                           | Uranium (ug/L)                              | 7.5                          | NS                  | NA             | 4/26/2010           | 0.39           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | NS                  | NA             | NS                               | NA                          | 11/11/2010          | 11.6           | NS                                | NA                           |
| MW-12 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | NS                  | NA             | 4/27/2010           | 7.16           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | 9/20/2010           | 6.62           | NS                               | NA                          | 11/19/2010          | 6.47           | NS                                | NA                           |
|  | Selenium (ug/L)                             | 25                           |                     | NA             |                     | 25.7           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | 31.9           |                                  | NA                          |                     | 27.6           |                                   | NA                           |
| MW-15 (Class III)                          | Selenium (ug/L)                             | 128.7                        | NS                  | NA             | 4/21/2010           | 100            | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                              | NA                         | NS                  | NA             | NS                               | NA                          | 11/11/2010          | 99.5           | NS                                | NA                           |
|  | Field pH (S.U.)                             | 6.62 - 8.5                   |                     | NA             |                     | 6.98           |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | 6.57           |                                   | NA                           |
|  | Iron (ug/L)                                 | 81.7                         |                     | NA             |                     | ND             |                              | NA                      |                               | NA                       |                               | NA                       |                                 | NA                         |                     | NA             |                                  | NA                          |                     | ND             |                                   | NA                           |

| Monitoring Well (Water Class)                         | Constituent Exceeding GWCL       | GWCL in Current GWDP | Q1 2010 Results |           | Q2 2010 Results |             |                         |                    | Q3 2010 Results          |                     |                          |                     | Q4 2010 Results            |                       |                |           |                             |                        |                |           |                              |
|---|----------------------------------|----------------------|-----------------|-----------|-----------------|-------------|-------------------------|--------------------|--------------------------|---------------------|--------------------------|---------------------|----------------------------|-----------------------|----------------|-----------|-----------------------------|------------------------|----------------|-----------|------------------------------|
|   |                                  |                      | Q1 Sample Date  | Q1 Result | Q2 Sample Date  | Q2 Result   | May Monthly Sample Date | May Monthly Result | June Monthly Sample Date | June Monthly Result | July Monthly Sample Date | July Monthly Result | August Monthly Sample Date | August Monthly Result | Q3 Sample Date | Q3 Result | October Monthly Sample Date | October Monthly Result | Q4 Sample Date | Q4 Result | December Monthly Sample Date |
| <b>Required Semi-Annual Sampling Wells, continued</b> |                                  |                      |                 |           |                 |             |                         |                    |                          |                     |                          |                     |                            |                       |                |           |                             |                        |                |           |                              |
| MW-18 (Class III)                                     | Thallium (ug/l)                  | 1.95                 | NS              | NA        | 5/4/2010        | 3.73        | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/15/2010                  | 3.64                  | NS             | NA        | 11/18/2010                  | 3.57                   | NS             | NA        |                              |
|   | Sulfate (mg/L)                   | 1938.9               |                 | NA        |                 | 1950        |                         | NA                 |                          | NA                  |                          | NA                  |                            | 1930                  |                | NA        |                             | 1910                   |                |           |                              |
|   | Field pH (S.U.)                  | 6.25-8.5             |                 | NA        |                 | 6.2         |                         | NA                 |                          | NA                  |                          | 7.23                |                            | NA                    |                | 6.37      |                             |                        |                |           |                              |
|   | TDS (mg/L)                       | 3198.77              |                 | NA        |                 | 3280        |                         | NA                 |                          | NA                  |                          | 3190                |                            | NA                    |                | 3030      |                             |                        |                |           |                              |
| MW-19 (Class III)                                     | Field pH (S.U.)                  | 6.78-8.5             | NS              | NA        | 5/4/2010        | 6.61 (6.66) | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/15/2010                  | 6.93                  | NS             | NA        | 11/18/2010                  | 6.8                    | NS             | NA        |                              |
|   | Gross Alpha minus Rn & U (pCi/L) | 2.36                 |                 | NA        |                 | 0.9         |                         | NA                 |                          | NA                  |                          | NA                  |                            | 1.2                   |                |           |                             |                        |                |           |                              |
|   | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 |                 | NA        |                 | 2.6         |                         | NA                 |                          | NA                  |                          | 2.4                 |                            |                       |                |           |                             |                        |                |           |                              |
| MW-23 (Class III)                                     | Field pH (S.U.)                  | 6.5 - 8.5            | NS              | NA        | 4/22/2010       | 6.18        | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/14/2010                  | 7.05                  | NS             | NA        | 11/22/2010                  | 6.44                   | NS             | NA        |                              |
|   | Manganese (ug/L)                 | 550                  |                 | NA        |                 | 184         |                         | NA                 |                          | NA                  |                          | NS                  |                            | 65                    |                |           |                             |                        |                |           |                              |
| MW-24 (Class III)                                     | Cadmium (ug/L)                   | 2.5                  | NS              | NA        | 5/6/2010        | 4.28        | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/21/2010                  | 5.06                  | NS             | NA        | 11/17/2010                  | 3.22                   | NS             | NA        |                              |
|   | Fluoride (Mg/L)                  | 0.36                 |                 | NA        |                 | 0.14        |                         | NA                 |                          | NA                  |                          | NA                  |                            | 0.18                  |                |           |                             |                        |                |           |                              |
|   | Thallium (ug/L)                  | 1                    |                 | NA        |                 | 1.3         |                         | NA                 |                          | NA                  |                          | 1.57                |                            | 1.09                  |                |           |                             |                        |                |           |                              |
|   | Field pH (S.U.)                  | 6.5 - 8.5            |                 | NA        |                 | 5.91 (5.78) |                         | NA                 |                          | NA                  |                          | 6.64                |                            | 6.1                   |                |           |                             |                        |                |           |                              |
| MW-27 (Class III)                                     | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | NS              | NA        | 5/3/2010        | 5.8         | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/14/2010                  | 5.9                   | NS             | NA        | 11/12/2010                  | 5.7                    | NS             | NA        |                              |
|   | Chloride (mg/L)                  | 38                   |                 | NA        |                 | 42          |                         | NA                 |                          | NA                  |                          | 45                  |                            |                       |                |           |                             |                        |                |           |                              |
|   | Sulfate (mg/L)                   | 462                  |                 | NA        |                 | 469         |                         | NA                 |                          | NA                  |                          | 452                 |                            |                       |                |           |                             |                        |                |           |                              |
|   | TDS (mg/L)                       | 1075                 |                 | NA        |                 | 1160        |                         | NA                 |                          | NA                  |                          | 1060                |                            | 1110                  |                |           |                             |                        |                |           |                              |
|   | Gross Alpha minus Rn & U (pCi/L) | 2                    |                 | NA        |                 | 1.6         |                         | NA                 |                          | NA                  |                          | 2.4                 |                            |                       |                |           |                             |                        |                |           |                              |
| MW-28 (Class III)                                     | Chloride (mg/L)                  | 105                  | NS              | NA        | 4/19/2010       | 108         | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/14/2010                  | 106                   | NS             | NA        | 11/12/2010                  | 107                    | NS             | NA        |                              |
|   | Manganese (ug/L)                 | 1837                 |                 | NA        |                 | 1550        |                         | NA                 |                          | NA                  |                          | 1510                |                            |                       |                |           |                             |                        |                |           |                              |
|   | Field pH (S.U.)                  | 6.1 - 8.5            |                 | NA        |                 | 5.67        |                         | NA                 |                          | NA                  |                          | 5.72                |                            |                       |                |           |                             |                        |                |           |                              |
| MW-29 (Class III)                                     | Manganese (ug/L)                 | 5624                 | NS              | NA        | 4/27/2010       | 4820        | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | NS                         | NA                    | NS             | NA        | 11/9/2010                   | 4890                   | NS             | NA        |                              |
|   | TDS (mg/L)                       | 4400                 |                 | NA        |                 | 4400        |                         | NA                 |                          | NA                  |                          | 4390                |                            |                       |                |           |                             |                        |                |           |                              |
|   | Field pH (S.U.)                  | 6.46 - 8.5           |                 | NA        |                 | 6.82        |                         | NA                 |                          | NA                  |                          | 6.17                |                            |                       |                |           |                             |                        |                |           |                              |
| MW-32 (Class III)                                     | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | NS              | NA        | 4/20/2010       | 4.5         | NS                      | NA                 | NS                       | NA                  | NS                       | NA                  | 9/13/2010                  | 2.9                   | NS             | NA        | 11/10/2010                  | 8.8                    | NS             | NA        |                              |
|   | Field pH (S.U.)                  | 6.4 - 8.5            |                 | NA        |                 | 6.03        |                         | NA                 |                          | NA                  |                          | 6.33                |                            | 6.05                  |                |           |                             |                        |                |           |                              |

Notes:  
 GWCL values are taken from August 24, 2012 version of GWDP.  
 NS = Not Required and Not Sampled  
 NR = Required and Not Reported  
 NA = Not Applicable  
 Exceedances are shown in yellow  
 Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for First Quarter 2014 under the August 24, 2012 GWDP

| Monitoring Well (Water Class)              | Constituent Exceeding GWCL                  | GWCL in August 24, 2012 GWDP | Q1 2011 Results                  |                                    |                     |                |                                |                           | Q2 2011 Results     |                |                              |                         |                               |                          | Q3 2011 Results               |                          |                     |                |                                    |                               | Q4 2011 Results     |                |                                   |                              |                                   |                              |
|--|---|------------------------------|----------------------------------|------------------------------------|---------------------|----------------|--------------------------------|---------------------------|---------------------|----------------|------------------------------|-------------------------|-------------------------------|--------------------------|-------------------------------|--------------------------|---------------------|----------------|------------------------------------|-------------------------------|---------------------|----------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------|
|  |   |                              | January 2011 Monthly Sample Date | January 2011 Monthly Sample Result | Q1 2011 Sample Date | Q1 2011 Result | March 2011 Monthly Sample Date | March 2011 Monthly Result | Q2 2011 Sample Date | Q2 2011 Result | May 2011 Monthly Sample Date | May 2011 Monthly Result | June 2011 Monthly Sample Date | June 2011 Monthly Result | July 2011 Monthly Sample Date | July 2011 Monthly Result | Q3 2011 Sample Date | Q3 2011 Result | September 2011 Monthly Sample Date | September 2011 Monthly Result | Q4 2011 Sample Date | Q4 2011 Result | November 2011 Monthly Sample Date | November 2011 Monthly Result | December 2011 Monthly Sample Date | December 2011 Monthly Result |
| <b>Required Quarterly Sampling Wells</b>   |   |                              |                                  |                                    |                     |                |                                |                           |                     |                |                              |                         |                               |                          |                               |                          |                     |                |                                    |                               |                     |                |                                   |                              |                                   |                              |
| MW-11 (Class II)                           | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/11/2011                        | 7.43                               | 2/2/2011            | 7.47           | 3/15/2011                      | 7.94                      | 4/4/2011            | 7.50           | 5/10/2011                    | 7.25                    | 6/15/2011                     | 6.86                     | 7/6/2011                      | 7.07                     | 8/3/2011            | 7.25           | 9/7/2011                           | 7.29                          | 10/4/2011           | 7.52           | 11/9/2011                         | 7.47                         | 12/14/2011                        | 7.88                         |
|  | Manganese (ug/L)                            | 131.29                       |                                  | 121                                | 2/2/2011            | 145            | 3/15/2011                      | 68                        | 4/4/2011            | 148            | 5/10/2011                    | 170                     | 6/15/2011                     | 121                      | 7/6/2011                      | 151                      | 8/3/2011            | 118            | 9/7/2011                           | 106                           | 10/4/2011           | 112            | 11/9/2011                         | 105                          | 12/14/2011                        | 100                          |
| MW-14 (Class III)                          | Manganese (ug/L)                            | 2230.30                      | 1/1/2011                         | NA                                 | 2/7/2011            | 2020           | 3/14/2011                      | NA                        | 4/4/2011            | 2140           | 5/10/2011                    | NA                      | 6/15/2011                     | NA                       | 7/5/2011                      | NA                       | 8/3/2011            | 1990           | 9/8/2011                           | NA                            | 10/4/2011           | 1960           | 11/9/2011                         | NA                           | 12/12/2011                        | NA                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 6.37                               |                     | 6.22           |                                | 6.76                      |                     | 6.63           |                              | 6.37                    |                               | 5.83                     |                               | 6.4                      |                     | 6.23           |                                    | 6.50                          |                     | 6.71 (6.82)    |                                   | 6.63                         |                                   | 6.84                         |
| MW-25 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/11/2011                        | 6.44                               | 2/2/2011            | 6.66           | 3/15/2011                      | 6.79                      | 4/4/2011            | 6.7            | 5/11/2011                    | 6.1                     | 6/20/2011                     | 5.77                     | 7/6/2011                      | 6.29                     | 8/3/2011            | 6.42 (6.54)    | 9/7/2011                           | 6.54                          | 10/4/2011           | 6.6            | 11/9/2011                         | 6.51                         | 12/12/2011                        | 6.87                         |
|  | Cadmium (ug/L)                              | 1.5                          |                                  | NA                                 |                     | 1.34           |                                | NA                        |                     | 1.27           |                              | NA                      |                               | NA                       |                               | NA                       | 8/30/2012           | 1.19           |                                    | NA                            |                     | 1.27           |                                   | NA                           |                                   | NA                           |
|  | Chloride (mg/L)                             | 35                           |                                  | NA                                 |                     | 30             |                                | NA                        |                     | 31             |                              | NA                      |                               | NA                       |                               | NA                       | 8/3/2011            | 32             |                                    | NA                            |                     | 32             |                                   | NA                           |                                   | NA                           |
|  | Fluoride (mg/L)                             | 0.42                         |                                  | NA                                 |                     | 0.31           |                                | NA                        |                     | 0.28           |                              | NA                      |                               | NA                       |                               | NA                       | 8/3/2011            | 0.31           |                                    | NA                            |                     | 0.32           |                                   | NA                           |                                   | NA                           |
|  | Uranium                                     | 6.5                          |                                  | 7.02                               |                     | 4.77           |                                | 6.8                       |                     | 5.56           |                              | 6.72                    |                               | 7.06                     |                               | 6.74                     |                     | 6.37           |                                    | 5.96                          |                     | 5.27           |                                   | 6.56                         |                                   | 6.1                          |
| MW-26 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 0.62                         | 1/12/2011                        | 0.2                                | 2/16/2011           | 0.25           | 3/15/2011                      | 0.6                       | 4/1/2011            | 0.8            | 5/10/2011                    | 0.4                     | 6/20/2011                     | 0.3                      | 7/6/2011                      | 0.9                      | 8/3/2011            | 0.6            | 9/7/2011                           | 2.4                           | 10/12/2011          | 0.9            | 11/9/2011                         | 1.3                          | 12/14/2011                        | 2.3                          |
|  | Uranium (ug/L)                              | 41.8                         |                                  | 32                                 |                     | 69.3           |                                | 31.8                      |                     | 60.2           |                              | 57.4                    |                               | 18.5                     |                               | 57.1                     |                     | 19.0           |                                    | 56.1                          |                     | 58.9           |                                   | 55.6                         |                                   | 57                           |
|  | Chloroform (ug/L)                           | 70                           |                                  | 800                                |                     | 730            |                                | 1200                      |                     | 390            |                              | 1900                    |                               | 730                      |                               | 300                      |                     | 1000           |                                    | 1300                          |                     | 440            |                                   | 1200                         |                                   | 1400                         |
|  | Chloride (mg/L)                             | 58.31                        |                                  | 52                                 |                     | 59             |                                | 64                        |                     | 64             |                              | 54                      |                               | 39                       |                               | 64                       |                     | 60             |                                    | 66                            |                     | 61             |                                   | 55                           |                                   | 62                           |
|  | Carbon Tetrachloride (ug/L)                 | 5                            |                                  | <1.0                               |                     | <1.0           |                                | <1.0                      |                     | <1.0           |                              | <1.0                    |                               | <1.0                     |                               | <1.0                     |                     | <1.0           |                                    | <1.0                          |                     | <1.0           |                                   | <1.0                         |                                   | <1.0                         |
|  | Field pH (S.U.)                             | 6.74 - 8.5                   |                                  | 6.83                               |                     | 6.06           |                                | 6.89                      |                     | 6.22           |                              | 6.43                    |                               | 6.52                     |                               | 6.35                     |                     | 6.07 (6.58)    |                                    | 6.71                          |                     | 6.82           |                                   | 6.75                         |                                   | 7.1                          |
|  | Dichloromethane (Methylene Chloride) (ug/L) | 5                            |                                  | <1.0                               |                     | 10             |                                | 14                        |                     | 3.1            |                              | 20                      |                               | 7                        |                               | 2.4                      |                     | 10             |                                    | 7.9                           |                     | 2.6            |                                   | 8.9                          |                                   | 11                           |
| MW-30 (Class II)                           | Nitrate + Nitrite (as N) (mg/L)             | 2.5                          | 1/10/2011                        | 15                                 | 2/1/2011            | 16             | 3/14/2011                      | 17                        | 4/11/2011           | 16             | 5/10/2011                    | 16                      | 6/20/2011                     | 17                       | 7/5/2011                      | 17                       | 8/3/2011            | 14             | 9/7/2011                           | 16                            | 10/4/2011           | 16             | 11/8/2011                         | 16                           | 12/12/2011                        | 16                           |
|  | Chloride (mg/L)                             | 128                          |                                  | NS                                 |                     | 134            |                                | NS                        |                     | 134            |                              | 128                     |                               | 127                      |                               | 127                      |                     | 126            |                                    | 145                           |                     | 129            |                                   | 122                          |                                   | 124                          |
|  | Uranium (ug/L)                              | 8.32                         |                                  | NS                                 |                     | 5.97           |                                | NS                        |                     | 6.49           |                              | NS                      |                               | NS                       |                               | NS                       |                     | 8              |                                    | NS                            |                     | 9.83           |                                   | NS                           |                                   | NS                           |
|  | Selenium (ug/L)                             | 34                           |                                  | 36.2                               |                     | 34.7           |                                | 34                        |                     | 44.4           |                              | 38.3                    |                               | 38.7                     |                               | 32.4                     |                     | 39.7           |                                    | 32.4                          |                     | 36.6           |                                   | 36.8                         |                                   | 38                           |
| MW-31 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 5                            | 1/10/2011                        | 19                                 | 2/1/2011            | 21             | 3/14/2011                      | 22                        | 4/1/2011            | 21             | 5/10/2011                    | 20                      | 6/20/2011                     | 22                       | 7/5/2011                      | 22                       | 8/2/2011            | 20             | 9/6/2011                           | 21                            | 10/3/2011           | 21             | 11/8/2011 (11/29/12)              | 21                           | 12/12/2011                        | 21                           |
|  | TDS (mg/L)                                  | 1320                         |                                  | 1240                               |                     | 1220           |                                | 1250                      |                     | 1370           |                              | 1290                    |                               | 1330                     |                               | 1280                     |                     | 1300           |                                    | 1300                          |                     | 1320           |                                   | 1290                         |                                   | 1330                         |
|  | Chloride (mg/L)                             | 143                          |                                  | NS                                 |                     | 145            |                                | NS                        |                     | 143            |                              | NS                      |                               | 143                      |                               | 148                      |                     | 148            |                                    | 148                           |                     | 145            |                                   | 145                          |                                   | 148                          |
|  | Selenium (ug/L)                             | 71                           |                                  | NS                                 |                     | 64.6           |                                | NS                        |                     | 65.2           |                              | NS                      |                               | NS                       |                               | NS                       |                     | 66.2           |                                    | NS                            |                     | 68.8           |                                   | NS                           |                                   | NS                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 6.65                               |                     | 7.21           |                                | 7.43                      |                     | 7.01           |                              | 6.73                    |                               | 6.16                     |                               | 6.64                     |                     | 6.67           |                                    | 7.03                          |                     | 7.28           |                                   | 7.01 (7.34)                  |                                   | 7.46                         |
|  | Sulfate (mg/L)                              | 532                          |                                  | NS                                 |                     | 538            |                                | 531                       |                     | 503            |                              | 512                     |                               | 540                      |                               | 532                      |                     | 537            |                                    | 541                           |                     | 539            |                                   | 552                          |                                   | 530                          |
| MW-35 (Class II)                           | Manganese (ug/L)                            | 200                          | NS                               | NA                                 | 2/15/2011           | 248            | NS                             | NA                        | 6/7/2011            | 369            | NS                           | NA                      | NS                            | NA                       | 7/20/11                       | 348                      | 8/30/2011           | 267            | 9/7/11                             | 270                           | 10/3/11             | 271            | 11/8/2011                         | 283                          | 12/14/11                          | 247                          |
|  | Thallium (ug/l)                             | 0.5                          |                                  | NA                                 |                     | < 0.50         |                                | NA                        |                     | < 0.50         |                              | NA                      |                               | NA                       |                               | NA                       |                     | 0.52           |                                    | NA                            |                     | 0.57           |                                   | < 0.50                       |                                   | 0.63                         |
|  | Gross Alpha minus Rn & U (pCi/L)            | 3.75                         |                                  | NA                                 |                     | 2.6            |                                | NA                        |                     | 3.7            |                              | NA                      |                               | NA                       |                               | NA                       |                     | 4.5            |                                    | NA                            |                     | 4.4            |                                   | 4.7                          |                                   | 4.2                          |
|  | Selenium (ug/L)                             | 12.5                         |                                  | NA                                 |                     | ND             |                                | NA                        |                     | ND             |                              | NA                      |                               | NA                       |                               | NA                       |                     | 9.3            |                                    | NA                            |                     | 10.5           |                                   | NA                           |                                   | NA                           |
|  | Uranium (ug/L)                              | 7.5                          |                                  | NA                                 |                     | 12.7           |                                | NA                        |                     | 21.7           |                              | NA                      |                               | NA                       |                               | 24.2                     |                     | 18.3           |                                    | 22.3                          |                     | 20.1           |                                   | 24                           |                                   | 23.6                         |
| <b>Required Semi-Annual Sampling Wells</b> |   |                              |                                  |                                    |                     |                |                                |                           |                     |                |                              |                         |                               |                          |                               |                          |                     |                |                                    |                               |                     |                |                                   |                              |                                   |                              |
| MW-01 (Class II)                           | Manganese (ug/L)                            | 289                          | NS                               | NA                                 | NS                  | NA             | NS                             | NA                        | 4/11/2011           | 218            | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | NS                  | NA             | NS                                 | NA                            | 10/11/2011          | 206            | NS                                | NA                           | NS                                | NA                           |
|  | Tetrahydrofuran (ug/L)                      | 11.5                         |                                  | NA                                 |                     | NA             |                                | NA                        | 4/19/2011           | 10.7           |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 7.82           |                                   | NA                           |                                   | NA                           |
|  | Sulfate (mg/L)                              | 838                          |                                  | NA                                 |                     | NA             |                                | NA                        | 4/11/2011           | 704            |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 713            |                                   | NA                           |                                   | NA                           |
| MW-03 (Class III)                          | Selenium (ug/L)                             | 37                           | NS                               | NA                                 | 2/15/2011           | 40.5           | NS                             | NA                        | 4/13/2011           | 45.4           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | 8/10/2011           | 46             | NS                                 | NA                            | 10/10/2011          | 46.7           | NS                                | NA                           | NS                                | NA                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                                 |                     | 6.09           |                                | NA                        |                     | 6.46           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 6.32           |                                    | NA                            |                     | 6.53 (6.83)    |                                   | NA                           |                                   | NA                           |
|  | Sulfate (mg/L)                              | 3663                         |                                  | NA                                 |                     | NA             |                                | NA                        |                     | 3060           |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 3470           |                                   | NA                           |                                   | NA                           |
|  | Nitrate + Nitrite (as N) (mg/L)             | 0.73                         |                                  | NA                                 |                     | NA             |                                | NA                        |                     | 0.3            |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 0.3            |                                   | NA                           |                                   | NA                           |
| MW-03A (Class III)                         | Fluoride (Mg/L)                             | 0.68                         |                                  | NA                                 |                     | 0.69           |                                | NA                        |                     | 0.68           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 0.96           |                                    | NA                            |                     | 0.91           |                                   | NA                           |                                   | NA                           |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                                 |                     | 6.05           |                                | NA                        |                     | 6.58           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 6.19           |                                    | NA                            |                     | 6.5 (6.92)     |                                   | NA                           |                                   | NA                           |
|  | Sulfate (mg/L)                              | 3640                         |                                  | NA                                 |                     | 3730           |                                | NA                        |                     | 3350           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 3560           |                                    | NA                            |                     | 3750           |                                   | NA                           |                                   | NA                           |
|  | Nitrate + Nitrite (as N) (mg/L)             | 1.3                          |                                  | NA                                 | 2/16/2011           | NA             | NS                             | NA                        | 4/13/2011           | 1.2            | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | 8/11/2011           | NA             | NS                                 | NA                            | 10/11/2011          | 1.1            | NS                                | NA                           | NS                                | NA                           |
|  | TDS (mg/L)                                  | 5805                         |                                  | NA                                 |                     | 5770           |                                | NA                        |                     | 5720           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 5810           |                                    | NA                            |                     | 5630           |                                   | NA                           |                                   | NA                           |
| MW-05 (Class II)                           | Selenium (ug/L)                             | 89                           |                                  | NA                                 |                     | 99             |                                | NA                        |                     | 85.8           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 88.5           |                                    | NA                            |                     | 95             |                                   | NA                           |                                   | NA                           |
|  | Uranium (ug/L)                              | 7.5                          |                                  | NA                                 | 2/14/2011           | 29.5           | NS                             | NA                        | 4/12/2011           | 7.16           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | 8/9/2011            | 0.5            | NS                                 | NA                            | 10/10/2011          | 4.52           | NS                                | NA                           | NS                                | NA                           |
| MW-12 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | NS                               | NA                                 | 2/15/2011           | 6.43           | NS                             | NA                        | 4/5/2011            | 6.67           | NS                           | NA                      | NS                            | NA                       | NS                            | NA                       | 8/9/2011            | 6.13           | NS                                 | NA                            | 10/6/2011           | 6.7 (6.97)     | NS                                | NA                           | NS                                | NA                           |
|  | Selenium (ug/L)                             | 25                           |                                  | NA                                 |                     | 39             |                                | NA                        |                     | 21.7           |                              | NA                      |                               | NA                       |                               | NA                       |                     | 25.4           |                                    | NA                            |                     | 35.4           |                                   | NA                           |                                   | NA                           |
| MW-15 (Class III)                          | Selenium (ug/L)                             | 128.7                        |                                  | NA                                 |                     | NA             |                                | NA                        |                     | 116            |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 112            |                                   | NA                           |                                   | NA                           |
|  | Field pH (S.U.)                             | 6.62 - 8.5                   |                                  | NA                                 |                     | NA             |                                | NA                        | 4/12/2011           | 6.88           |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 6.70           |                                   | NA                           |                                   | NA                           |
|  | Iron (ug/L)                                 | 81.7                         |                                  | NA                                 |                     | NA             |                                | NA                        |                     | <0.50          |                              | NA                      |                               | NA                       |                               | NA                       |                     | NA             |                                    | NA                            |                     | 137            |                                   | NA                           |                                   | NA                           |

| Monitoring Well (Water Class)                  | Constituent Exceeding GWCL       | GWCL in Current GWDP | Q1 2011 Results                  |                                    |                     |                |                                |                           | Q2 2011 Results     |                |                              |                         |                               |                          | Q3 2011 Results               |                          |                     |                |                                    |                               | Q4 2011 Results     |                |                                   |                              |                                   |                              |
|--|----------------------------------|----------------------|----------------------------------|------------------------------------|---------------------|----------------|--------------------------------|---------------------------|---------------------|----------------|------------------------------|-------------------------|-------------------------------|--------------------------|-------------------------------|--------------------------|---------------------|----------------|------------------------------------|-------------------------------|---------------------|----------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------|
|  |                                  |                      | January 2011 Monthly Sample Date | January 2011 Monthly Sample Result | Q1 2011 Sample Date | Q1 2011 Result | March 2011 Monthly Sample Date | March 2011 Monthly Result | Q2 2011 Sample Date | Q2 2011 Result | May 2011 Monthly Sample Date | May 2011 Monthly Result | June 2011 Monthly Sample Date | June 2011 Monthly Result | July 2011 Monthly Sample Date | July 2011 Monthly Result | Q3 2011 Sample Date | Q3 2011 Result | September 2011 Monthly Sample Date | September 2011 Monthly Result | Q4 2011 Sample Date | Q4 2011 Result | November 2011 Monthly Sample Date | November 2011 Monthly Result | December 2011 Monthly Sample Date | December 2011 Monthly Result |
| Required Semi-Annual Sampling Wells, continued |                                  |                      |                                  |                                    |                     |                |                                |                           |                     |                |                              |                         |                               |                          |                               |                          |                     |                |                                    |                               |                     |                |                                   |                              |                                   |                              |
| MW-18 (Class III)                              | Thallium (ug/l)                  | 1.95                 | NS                               | NA                                 | 2/15/2011           | 3.49           | NS                             | NA                        | 4/6/2011            | 3.74           | NS                           | NA                      | NS                            | NA                       | 8/10/2011                     | 4.0 3.39                 | NS                  | NA             | 10/11/2011                         | 3.83                          | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Sulfate (mg/L)                   | 1938.9               |                                  | NA                                 |                     | 1770           |                                | NA                        |                     | 1780           |                              | NA                      |                               | 1910                     |                               | NA                       |                     | 2020           |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | Field pH (S.U.)                  | 6.25-8.5             |                                  | NA                                 |                     | 6.27           |                                | NA                        |                     | 6.71           |                              | NA                      |                               | 5.95                     |                               | NA                       |                     | 6.55 (6.63)    |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | TDS (mg/L)                       | 3198.77              |                                  | NA                                 |                     | 3250           |                                | NA                        |                     | 3250           |                              | NA                      |                               | 3190                     |                               | NA                       |                     | 3220           |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
| MW-19 (Class III)                              | Field pH (S.U.)                  | 6.78-8.5             | NS                               | NA                                 | 2/21/2011           | 6.78           | NS                             | NA                        | 4/5/2011            | 7.03           | NS                           | NA                      | NS                            | NA                       | 7/20/3011                     | 6.65                     | NS                  | NA             | 10/12/2011                         | 6.88 (7.02)                   | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Gross Alpha minus Rn & U (pCi/L) | 2.36                 |                                  | NA                                 |                     | NA             |                                | 0.5                       |                     | NA             |                              | NA                      |                               | NA                       |                               | NA                       |                     | 0.6            |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 |                                  | NA                                 |                     | NS             |                                | 2.6                       |                     | NA             |                              | NS                      |                               | NA                       |                               | NA                       |                     | 4.0            |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
| MW-23 (Class III)                              | Field pH (S.U.)                  | 6.5 - 8.5            | NS                               | NA                                 | 2/9/2011            | 6.13           | NS                             | NA                        | 4/5/2011            | 7.14           | NS                           | NA                      | NS                            | NA                       | 8/4/2011                      | 6.38                     | NS                  | NA             | 10/6/2011                          | 6.56 (6.77)                   | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Manganese (ug/L)                 | 550                  |                                  | NA                                 |                     | NS             |                                | 32                        |                     | NA             |                              | NS                      |                               | NA                       |                               | NS                       |                     | 551            |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
| MW-24 (Class III)                              | Cadmium (ug/L)                   | 2.5                  | NS                               | NA                                 | 2/10/2011           | 2.78           | NS                             | NA                        | 4/5/2011            | 2.61           | NS                           | NA                      | NS                            | NA                       | 8/4/2011                      | 1.46                     | NS                  | NA             | 10/11/2011                         | 1.78                          | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Fluoride (Mg/L)                  | 0.36                 |                                  | NA                                 |                     | 0.19           |                                | NA                        |                     | NA             |                              | NA                      |                               | NA                       |                               | 0.36                     |                     | NA             |                                    | NA                            |                     |                |                                   |                              |                                   |                              |
|  | Thallium (ug/L)                  | 1                    |                                  | NA                                 |                     | 1.07           |                                | NA                        |                     | NA             |                              | NA                      |                               | NA                       |                               | 0.62                     |                     | NA             |                                    | NA                            |                     |                |                                   |                              |                                   |                              |
|  | Field pH (S.U.)                  | 6.5 - 8.5            |                                  | NA                                 |                     | 5.73           |                                | NA                        |                     | 6.12           |                              | NA                      |                               | NA                       |                               | 6.45                     |                     | NA             |                                    | 6.44                          |                     | NA             |                                   |                              |                                   |                              |
| MW-27 (Class III)                              | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | NS                               | NA                                 | 2/9/2011            | 6              | NS                             | NA                        | 4/5/2011            | 6.4            | NS                           | NA                      | NS                            | NA                       | 8/8/2011                      | 6                        | NS                  | NA             | 10/5/2011                          | 6.3                           | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Chloride (mg/L)                  | 38                   |                                  | NA                                 |                     | 46             |                                | NA                        |                     | 43             |                              | NA                      |                               | 43                       |                               | NA                       |                     | 44             |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | Sulfate (mg/L)                   | 462                  |                                  | NA                                 |                     | 455            |                                | NA                        |                     | 442            |                              | NA                      |                               | 424                      |                               | NA                       |                     | 456            |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | TDS (mg/L)                       | 1075                 |                                  | NA                                 |                     | 1090           |                                | NA                        |                     | 1190           |                              | NA                      |                               | 1090                     |                               | NA                       |                     | 1110           |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
|  | Gross Alpha minus Rn & U (pCi/L) | 2                    |                                  | NA                                 |                     | 0.7            |                                | NA                        |                     | 1.1            |                              | NA                      |                               | 0.8                      |                               | NA                       |                     | 1.5            |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
| MW-28 (Class III)                              | Chloride (mg/L)                  | 105                  | NS                               | NA                                 | 2/14/2011           | 114            | NS                             | NA                        | 4/11/2011           | 109            | NS                           | NA                      | NS                            | NA                       | 8/8/2011                      | 105                      | NS                  | NA             | 10/5/2011                          | 143                           | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Manganese (ug/L)                 | 1837                 |                                  | NA                                 |                     | NA             |                                | 1690                      |                     | NA             |                              | NA                      |                               | NA                       |                               | 1540                     |                     | NA             |                                    | NA                            |                     |                |                                   |                              |                                   |                              |
|  | Field pH (S.U.)                  | 6.1 - 8.5            |                                  | NA                                 |                     | 5.69           |                                | NA                        |                     | 6.01           |                              | NA                      |                               | NA                       |                               | 5.78                     |                     | NA             |                                    | 6.07 (6.11)                   |                     | NA             |                                   |                              |                                   |                              |
| MW-29 (Class III)                              | Manganese (ug/L)                 | 5624                 | NS                               | NA                                 | NS                  | NA             | NS                             | NA                        | 4/18/2011           | 4900           | NS                           | NA                      | NS                            | NA                       | 8/9/2011                      | NA                       | NS                  | NA             | 10/5/2011                          | 4800                          | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | TDS (mg/L)                       | 4400                 |                                  | NA                                 |                     | NA             |                                | 4080                      |                     | NA             |                              | NA                      |                               | 4280                     |                               | NA                       |                     | NA             |                                    | NA                            |                     |                |                                   |                              |                                   |                              |
|  | Field pH (S.U.)                  | 6.46 - 8.5           |                                  | NA                                 |                     | NA             |                                | 6.45                      |                     | NA             |                              | NA                      |                               | 6.20                     |                               | NA                       |                     | 6.52           |                                    | NA                            |                     | NA             |                                   |                              |                                   |                              |
| MW-32 (Class III)                              | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | NS                               | NA                                 | 2/9/2011            | 1.5            | NS                             | NA                        | 4/1/2011            | 4.6            | NS                           | NA                      | NS                            | NA                       | 8/2/2011                      | 1.9                      | NS                  | NA             | 10/3/2011                          | 3.7                           | NS                  | NA             | NS                                | NA                           | December 2011 Monthly Result      |                              |
|  | Field pH (S.U.)                  | 6.4 - 8.5            |                                  | NA                                 |                     | 5.99           |                                | NA                        |                     | 6.14           |                              | NA                      |                               | NA                       |                               | 6.10 (6.20)              |                     | NA             |                                    | 6.35                          |                     | NA             |                                   | NA                           |                                   |                              |

Notes:  
 GWCL values are taken from August 24, 2012 version of GWDP.  
 NS = Not Required and Not Sampled  
 NR = Required and Not Reported  
 NA = Not Applicable  
 Exceedances are shown in yellow  
 Values in () parentheses are the field pH measurements for the resampled analyses.



| Q1 2012 Results                                |                                  |                      |                                  |                             |                     |                |                                |                           | Q2 2012 Results                |                           |                     |                |                               |                          | Q3 2012 Results     |                |                                 |                            |                                    |                               | Q4 2012 Results                  |                             |                     |                |                                   |                              |  |
|--|----------------------------------|----------------------|----------------------------------|-----------------------------|---------------------|----------------|--------------------------------|---------------------------|--------------------------------|---------------------------|---------------------|----------------|-------------------------------|--------------------------|---------------------|----------------|---------------------------------|----------------------------|------------------------------------|-------------------------------|----------------------------------|-----------------------------|---------------------|----------------|-----------------------------------|------------------------------|--|
| Monitoring Well (Water Class)                  | Constituent Exceeding GWCL       | GWCL in Current GWDP | January 2012 Monthly Sample Date | January 2012 Monthly Result | Q1 2012 Sample Date | Q1 2012 Result | March 2012 Monthly Sample Date | March 2012 Monthly Result | April 2012 Monthly Sample Date | April 2012 Monthly Result | Q2 2012 Sample Date | Q2 2012 Result | June 2012 Monthly Sample Date | June 2012 Monthly Result | Q3 2012 Sample Date | Q3 2012 Result | August 2012 Monthly Sample Date | August 2012 Monthly Result | September 2012 Monthly Sample Date | September 2012 Monthly Result | October 2012 Monthly Sample Date | October 2012 Monthly Result | Q4 2012 Sample Date | Q4 2012 Result | December 2012 Monthly Sample Date | December 2012 Monthly Result |  |
| Required Semi-Annual Sampling Wells, continued |                                  |                      |                                  |                             |                     |                |                                |                           |                                |                           |                     |                |                               |                          |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-18 (Class III)                              | Thallium (ug/l)                  | 1.95                 | NS                               | NA                          | 2/27/2012           | 3.63           | NS                             | NA                        | NS                             | NA                        | 4/30/2012           | 3.51           | NS                            | NA                       | 7/18/2012           | 3.73           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/26/2012          | 3.2            | NS                                | NA                           |  |
|  | Sulfate (mg/L)                   | 1938.9               |                                  | NA                          |                     | NA             |                                | 1790                      |                                | NA                        |                     | 1900           |                               | NA                       |                     | NA             |                                 | NA                         |                                    | 1210                          |                                  | NA                          |                     |                |                                   |                              |  |
|  | Field pH (S.U.)                  | 6.25-8.5             |                                  | 6.6                         |                     | NA             |                                | 6.59                      |                                | NA                        |                     | 6.64           |                               | NA                       |                     | NA             |                                 | 6.51                       |                                    | NA                            |                                  |                             |                     |                |                                   |                              |  |
|  | TDS (mg/L)                       | 3198.77              |                                  | 3230                        |                     | NA             |                                | 3280                      |                                | NA                        |                     | 3220           |                               | NA                       |                     | 3160           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-19 (Class III)                              | Field pH (S.U.)                  | 6.78-8.5             | NS                               | NA                          | 2/28/2012           | 6.83           | NS                             | NA                        | NS                             | NA                        | 5/16/2012           | 6.86           | NS                            | NA                       | 7/19/2012           | 7.21           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/13/2012          | 6.71           | NS                                | NA                           |  |
|  | Gross Alpha minus Rn & U (pCi/L) | 2.36                 |                                  | NA                          |                     | NA             |                                | 0.9                       |                                | NA                        |                     | NA             |                               | NA                       |                     | 4.86           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 |                                  | 3.9                         |                     | NA             |                                | 3.7                       |                                | NA                        |                     | 4              |                               | NA                       |                     | 3.96           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-23 (Class III)                              | Field pH (S.U.)                  | 6.5 - 8.5            | NS                               | NA                          | 2/20/2012           | 6.61           | NS                             | NA                        | NS                             | NA                        | 5/16/2012           | 6.74           | NS                            | NA                       | 7/17/2012           | 7.10           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/5/2012           | 6.61           | NS                                | NA                           |  |
|  | Manganese (ug/L)                 | 550                  |                                  | 51                          |                     | NA             |                                | 49                        |                                | NA                        |                     | 117            |                               | NA                       |                     | 54.3           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-24 (Class III)                              | Cadmium (ug/L)                   | 2.5                  | NS                               | NA                          | 2/23/2012           | 2.25           | NS                             | NA                        | NS                             | NA                        | 5/10/2012           | 2.01           | NS                            | NA                       | 7/18/2012           | 4.7            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/29/2012          | 1.35           | NS                                | NA                           |  |
|  | Fluoride (Mg/L)                  | 0.36                 |                                  | NA                          |                     | 0.14           |                                | NA                        |                                | 0.558                     |                     | NA             |                               |                          |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Thallium (ug/L)                  | 1                    |                                  | 0.96                        |                     | NA             |                                | 0.74                      |                                | NA                        |                     | 1.36           |                               | NA                       |                     | 0.666          |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Field pH (S.U.)                  | 6.5 - 8.5            |                                  | 6.03                        |                     | NA             |                                | 6.21                      |                                | NA                        |                     | 6.45           |                               | NA                       |                     | 6.01           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-27 (Class III)                              | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | NS                               | NA                          | 2/28/2012           | 6.4            | NS                             | NA                        | NS                             | NA                        | 5/1/2012            | 6.2            | NS                            | NA                       | 7/16/2012           | 6.7            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/13/2012          | 6.9            | NS                                | NA                           |  |
|  | Chloride (mg/L)                  | 38                   |                                  | 45                          |                     | NA             |                                | 46                        |                                | NA                        |                     | 47             |                               | NA                       |                     | 44.2           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Sulfate (mg/L)                   | 462                  |                                  | 451                         |                     | NA             |                                | 446                       |                                | NA                        |                     | 453            |                               | NA                       |                     | 451            |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | TDS (mg/L)                       | 1075                 |                                  | 1140                        |                     | NA             |                                | 1170                      |                                | NA                        |                     | 1150           |                               | NA                       |                     | 1070           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Gross Alpha minus Rn & U (pCi/L) | 2                    |                                  | 2.3                         |                     | NA             |                                | 0.8                       |                                | NA                        |                     | 1.2            |                               | NA                       |                     | 1.33           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-28 (Class III)                              | Chloride (mg/L)                  | 105                  | NS                               | NA                          | 2/28/2012           | 109            | NS                             | NA                        | NS                             | NA                        | 5/8/2012            | 114            | NS                            | NA                       | 7/16/2012           | 105            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/14/2012          | 115            | NS                                | NA                           |  |
|  | Manganese (ug/L)                 | 1837                 |                                  | NA                          |                     | 1850           |                                | NA                        |                                | 1660                      |                     | NA             |                               | 1680                     |                     | NA             |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Field pH (S.U.)                  | 6.1 - 8.5            |                                  | 6.22                        |                     | NA             |                                | 6.15                      |                                | NA                        |                     | 6.38 (5.81)    |                               | NA                       |                     | 5.98           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-29 (Class III)                              | Manganese (ug/L)                 | 5624                 | NS                               | NA                          | 2/22/2012           | NA             | NS                             | NA                        | NS                             | NA                        | 5/8/2012            | 6140           | NS                            | NA                       | 8/1/2012            | 5190           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/14/2012          | 5040           | NS                                | NA                           |  |
|  | TDS (mg/L)                       | 4400                 |                                  | NA                          |                     | 4600           |                                | NA                        |                                | 4420                      |                     | NA             |                               | 4430                     |                     | NA             |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
|  | Field pH (S.U.)                  | 6.46 - 8.5           |                                  | 7.12                        |                     | 6.47           |                                | NA                        |                                | 6.68 (6.45)               |                     | NA             |                               | 6.48                     |                     | NA             |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |  |
| MW-32 (Class III)                              | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | NS                               | NA                          | 2/21/2012           | 1.8            | NS                             | NA                        | NS                             | NA                        | 4/30/2012           | 2.4            | NS                            | NA                       | 7/9/2012            | 1.4            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/6/2012           | 2.97           | NS                                | NA                           |  |
|  | Field pH (S.U.)                  | 6.4 - 8.5            |                                  | 6.57                        |                     | NA             |                                | 6.40                      |                                | NA                        |                     | 6.72           |                               | NA                       |                     | 6.23           |                                 | NA                         |                                    |                               |                                  |                             |                     |                |                                   |                              |  |

Notes:  
 GWCL values are taken from August 24, 2012 version of GWDP.  
 NS = Not Required and Not Sampled  
 NR = Required and Not Reported  
 NA = Not Applicable  
 Exceedances are shown in yellow  
 Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for First Quarter 2014 under the August 24, 2012 GWDP

| Monitoring Well (Water Class)              | Constituent Exceeding GWCL                  | GWCL in August 24, 2012 GWDP | Q1 2013 Results                  |                             |                     |                |                                |                           | Q2 2013 Results                |                           |                     |                |                               |                          | Q3 2013 Results     |                |                                 |                            |                                    |                               | Q4 2013 Results                  |                             |                     |                |                                   |                              | Sample Frequency |
|--|---|------------------------------|----------------------------------|-----------------------------|---------------------|----------------|--------------------------------|---------------------------|--------------------------------|---------------------------|---------------------|----------------|-------------------------------|--------------------------|---------------------|----------------|---------------------------------|----------------------------|------------------------------------|-------------------------------|----------------------------------|-----------------------------|---------------------|----------------|-----------------------------------|------------------------------|------------------|
|  |   |                              | January 2013 Monthly Sample Date | January 2013 Monthly Result | Q1 2013 Sample Date | Q1 2013 Result | March 2013 Monthly Sample Date | March 2013 Monthly Result | April 2013 Monthly Sample Date | April 2013 Monthly Result | Q2 2013 Sample Date | Q2 2013 Result | June 2013 Monthly Sample Date | June 2013 Monthly Result | Q3 2013 Sample Date | Q3 2013 Result | August 2013 Monthly Sample Date | August 2013 Monthly Result | September 2013 Monthly Sample Date | September 2013 Monthly Result | October 2013 Monthly Sample Date | October 2013 Monthly Result | Q4 2013 Sample Date | Q4 2013 Result | December 2013 Monthly Sample Date | December 2013 Monthly Result |                  |
| <b>Required Quarterly Sampling Wells</b>   |   |                              |                                  |                             |                     |                |                                |                           |                                |                           |                     |                |                               |                          |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
| MW-11 (Class II)                           | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/23/2013                        | 7.45                        | 2/20/2013           | 7.46           | 3/20/2013                      | 7.33                      | 4/16/2013                      | 6.17                      | 5/14/2013           | 7.88           | 6/25/2013                     | 7.47                     | 7/10/2013           | 7.40           | 8/20/2013                       | 7.70                       | 9/18/2013                          | 7.39                          | 10/22/2013                       | 7.62                        | 11/19/2013          | 7.33           | 12/18/2013                        | 7.74                         | Quarterly        |
|  | Manganese (ug/L)                            | 131.29                       |                                  | 115                         |                     | 139            |                                | 164                       |                                | 181                       |                     | 144            |                               | 135                      |                     | 138            |                                 | 158                        |                                    | 129                           |                                  | 152                         |                     | 196            |                                   | Quarterly                    |                  |
| MW-14 (Class III)                          | Manganese (ug/L)                            | 2230.30                      | 1/23/2013                        | 1930                        | 2/26/2013           | 2250           | 3/20/2013                      | 2110                      | 4/16/2013                      | 2060                      | 5/14/2013           | 2200           | 6/25/2013                     | 1990                     | 7/11/2013           | 2100           | 8/20/2013                       | 2100                       | 9/19/2013                          | 2190                          | 10/22/2013                       | 2030                        | 11/19/2013          | 1960           | 12/18/2013                        | 2030                         | Quarterly        |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 6.48                        |                     | 6.52           |                                | 6.48                      |                                | 7.58                      |                     | 7.39           |                               | 6.54                     |                     | 6.47           |                                 | 6.86                       |                                    | 6.48                          |                                  | 6.77                        |                     | 6.51           |                                   | 6.74                         | Quarterly        |
| MW-25 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/22/2013                        | 6.65                        | 2/20/2013           | 6.62           | 3/19/2013                      | 6.41                      | 4/17/2013                      | 7.00                      | 5/14/2013           | 7.19           | 6/24/2013                     | 6.61                     | 7/10/2013           | 6.32           | 8/19/2013                       | 6.74                       | 9/17/2013                          | 6.54                          | 10/22/2013                       | 6.81                        | 11/19/2013          | 6.62           | 12/17/2013                        | 6.73                         | Quarterly        |
|  | Cadmium (ug/L)                              | 1.5                          |                                  | NA                          |                     | 1.35           |                                | 1.40                      |                                | 1.36                      |                     | 1.52           |                               | 1.31                     |                     | 1.41           |                                 | 1.57                       |                                    | 1.31                          |                                  | 1.31                        |                     | 1.50           |                                   | 1.23                         | Quarterly        |
|  | Chloride (mg/L)                             | 35                           |                                  | NA                          |                     | 36.1           |                                | NA                        |                                | NA                        |                     | 28.1           |                               | 30.4                     |                     | 28.0           |                                 | 31.1                       |                                    | 29.6                          |                                  | 28.6                        |                     | 29.0           |                                   | 31.2                         | Quarterly        |
|  | Fluoride (mg/L)                             | 0.42                         |                                  | NA                          |                     | 0.32           |                                | NA                        |                                | NA                        |                     | 0.392          |                               | NA                       |                     | 0.392          |                                 | NA                         |                                    | NA                            |                                  | NA                          |                     | 0.329          |                                   | 0.296                        | Quarterly        |
|  | Uranium                                     | 6.5                          |                                  | 5.97                        |                     | 5.39           |                                | 5.68                      |                                | 5.56                      |                     | 5.88           |                               | 5.35                     |                     | 6.22           |                                 | 6.42                       |                                    | 5.99                          |                                  | 5.94                        |                     | 7.13           |                                   | NA                           | Quarterly        |
| MW-26 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 0.62                         | 1/24/2013                        | 1.66                        | 2/20/2013           | 1.38           | 3/20/2013                      | 1.61                      | 4/17/2013                      | 1.73                      | 5/23/2013           | 2.01           | 6/5/2013<br>6/25/2013         | 3.04 2.11*               | 7/11/2013           | 1.98           | 8/20/2013                       | 1.77                       | 9/18/2013                          | 3.60                          | 10/23/2013                       | 4.10                        | 11/20/2013          | 1.38           | 12/18/2013                        | 2.56                         | Quarterly        |
|  | Uranium (ug/L)                              | 41.8                         |                                  | 65.7                        |                     | 57.8           |                                | 69                        |                                | 58.8                      |                     | 64.3           |                               | 71.3                     |                     | 70             |                                 | 72.3                       |                                    | 19.9                          |                                  | 58.8                        |                     | 75.8           |                                   | 70.4                         | Quarterly        |
|  | Chloroform (ug/L)                           | 70                           |                                  | 1270                        |                     | 1500           |                                | 1340                      |                                | 1680                      |                     | 1210           |                               | 4030*                    |                     | 2410           |                                 | 2110                       |                                    | 4170                          |                                  | 3420                        |                     | 1220           |                                   | 1680                         | Quarterly        |
|  | Chloride (mg/L)                             | 58.31                        |                                  | 63.5                        |                     | 77             |                                | 73.6                      |                                | 70.4                      |                     | 63.1           |                               | 87.8 77.9*               |                     | 72.1           |                                 | 70.8                       |                                    | 77.3                          |                                  | 63.8                        |                     | 62.3           |                                   | 65.7                         | Quarterly        |
|  | Carbon Tetrachloride (ug/L)                 | 5                            |                                  | NA                          |                     | 3.15           |                                | NA                        |                                | NA                        |                     | <1.0           |                               | <1.0                     |                     | <1.0           |                                 | NA                         |                                    | NA                            |                                  | NA                          |                     | <1.0           |                                   | NA                           | Quarterly        |
|  | Field pH (S.U.)                             | 6.74 - 8.5                   |                                  | 6.51                        |                     | 6.71           |                                | 6.70                      |                                | 6.96                      |                     | 7.31           |                               | 6.85                     |                     | 6.43           |                                 | 7.41                       |                                    | 6.71                          |                                  | 6.82                        |                     | 6.83           |                                   | 6.93                         | Quarterly        |
|  | Dichloromethane (Methylene Chloride) (ug/L) | 5                            |                                  | 6.49                        |                     | 5.53           |                                | 8.31                      |                                | 10.2                      |                     | 4.07           |                               | 52.4* [12.1]             |                     | 14.2           |                                 | 14.6                       |                                    | 42.4                          |                                  | 29.8                        |                     | 7.64           |                                   | 7.48                         | Quarterly        |
| MW-30 (Class II)                           | Nitrate + Nitrite (as N) (mg/L)             | 2.5                          | 1/23/2013                        | 19.2                        | 2/26/2013           | 21.4           | 3/20/2013                      | 14.3                      | 4/17/2013                      | 16.8                      | 5/15/2013           | 18.8           | 6/25/2013                     | 16.1                     | 7/10/2013           | 17.6           | 8/20/2013                       | 16.4                       | 9/18/2013                          | 16.9                          | 10/22/2013                       | 19.7                        | 11/20/2013          | 19.5           | 12/18/2013                        | 20.7                         | Quarterly        |
|  | Chloride (mg/L)                             | 128                          |                                  | 128                         |                     | 129            |                                | 126                       |                                | 117                       |                     | 119            |                               | 127                      |                     | 130            |                                 | 126                        |                                    | 131                           |                                  | 128                         |                     | 124            |                                   | 134                          | Quarterly        |
|  | Uranium (ug/L)                              | 8.32                         |                                  | 8.36                        |                     | 7.4            |                                | 6.85                      |                                | 7.08                      |                     | 6.31           |                               | 8.22                     |                     | 7.48           |                                 | 7.07                       |                                    | 7.00                          |                                  | 6.91                        |                     | 8.57           |                                   | NA                           | Quarterly        |
|  | Selenium (ug/L)                             | 34                           |                                  | 37.2                        |                     | 42.3           |                                | 39                        |                                | 37.3                      |                     | 39.4           |                               | 32.1                     |                     | 36.5           |                                 | 36.3                       |                                    | 35.2                          |                                  | 39.5                        |                     | 36.6           |                                   | 35.1                         | Quarterly        |
| MW-31 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 5                            | 1/22/2013                        | 22.8                        | 2/19/2013           | 19.3           | 3/19/2013                      | 19.1                      | 4/16/2013                      | 18.8                      | 5/13/2013           | 23.8           | 6/24/2013                     | 20.0                     | 7/9/2013            | 21.7           | 8/19/2013                       | 16.0                       | 9/17/2013                          | 21.2                          | 10/23/2013                       | 21.2                        | 11/18/2013          | 23.9           | 12/17/2013                        | 24.2                         | Quarterly        |
|  | TDS (mg/L)                                  | 1320                         |                                  | 1270                        |                     | 1390           |                                | 1420                      |                                | 1260                      |                     | 1540           |                               | 1380                     |                     | 1510           |                                 | 1440                       |                                    | 1500                          |                                  | 1460                        |                     | 1320           |                                   | 1500                         | Quarterly        |
|  | Chloride (mg/L)                             | 143                          |                                  | 176                         |                     | 174            |                                | 168                       |                                | 171                       |                     | 169            |                               | 179                      |                     | 182            |                                 | 183                        |                                    | 193                           |                                  | 188                         |                     | 174            |                                   | 203                          | Quarterly        |
|  | Selenium (ug/L)                             | 71                           |                                  | NS                          |                     | 74.1           |                                | 81.8                      |                                | 72.9                      |                     | 75.9           |                               | 73.7                     |                     | 75.7           |                                 | 73.2                       |                                    | 72.6                          |                                  | 80.7                        |                     | 74.5           |                                   | 79.8                         | Quarterly        |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 6.94                        |                     | 7.32           |                                | 7.28                      |                                | 6.37                      |                     | 7.92           |                               | 7.10                     |                     | 6.98           |                                 | 7.36                       |                                    | 7.06                          |                                  | 7.35                        |                     | 6.99           |                                   | 7.23                         | Quarterly        |
| MW-35 (Class II)                           | Sulfate (mg/L)                              | 532                          | 611                              | 644                         | 611                 | 668            | 630                            | 659                       | 659                            | 656                       | 666                 | 637            | 609                           | 656                      | Quarterly           |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
|  | Manganese (ug/L)                            | 200                          | 247                              | 272                         | 246                 | 243            | 252                            | 243                       | 250                            | 262                       | 257                 | 240            | 251                           | 260                      | Quarterly           |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
|  | Thallium (ug/l)                             | 0.5                          | <0.5                             | <0.5                        | 0.505               | <0.5           | 0.715                          | 0.946                     | <0.5                           | <0.5                      | <0.5                | <0.5           | <0.5                          | <0.5                     | Quarterly           |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
|  | Gross Alpha minus Rn & U (pCi/L)            | 3.75                         | 6.62                             | 5.09                        | 9.51                | 4.75           | 4.92                           | 3.24                      | 5.70                           | 3.92                      | 5.10                | 3.73           | 5.39                          | 4.74                     | Quarterly           |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
| MW-35 (Class II)                           | Selenium (ug/L)                             | 12.5                         | 11.0                             | 10.8                        | 22.6                | 11.8           | 16.1                           | 13.6                      | 8.01                           | <5                        | <5                  | 19.8           | <5                            | Quarterly                |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
|  | Uranium (ug/L)                              | 7.5                          | 23.6                             | 21.3                        | 22.1                | 20.0           | 22.0                           | 19.3                      | 23.0                           | 21.4                      | 20.2                | 21.8           | 24.1                          | 20                       | Quarterly           |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
| <b>Required Semi-Annual Sampling Wells</b> |   |                              |                                  |                             |                     |                |                                |                           |                                |                           |                     |                |                               |                          |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
| MW-01 (Class II)                           | Manganese (ug/L)                            | 289                          | NS                               | NA                          | 3/12/2013           | 173            | NS                             | NA                        | NS                             | NA                        | 5/21/2013           | 127            | NS                            | NA                       | 7/23/2013           | 83.9           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/4/2013           | 113            | NS                                | NA                           | Semi-Annually    |
|  | Tetrahydrofuran (ug/L)                      | 11.5                         |                                  | NA                          |                     | 12.6           |                                | NA                        |                                | NA                        |                     | 3.26           |                               | NA                       |                     | 1.86           |                                 | NA                         |                                    | NA                            |                                  | 5.51                        |                     | NA             |                                   | Semi-Annually                |                  |
|  | Sulfate (mg/L)                              | 838                          |                                  | NA                          |                     | 761            |                                | NA                        |                                | NA                        |                     | 839            |                               | NA                       |                     | 911            |                                 | NA                         |                                    | NA                            |                                  | 930                         |                     | NA             |                                   | Semi-Annually                |                  |
| MW-03 (Class III)                          | Selenium (ug/L)                             | 37                           | NS                               | NA                          | 3/12/2013           | 51.8           | NS                             | NA                        | NS                             | NA                        | 5/22/2013           | 46.3           | NS                            | NA                       | 7/18/2013           | 52.0           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/11/2013          | 32.8           | NS                                | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                          |                     | 6.20           |                                | NA                        |                                | NA                        |                     | 7.14           |                               | NA                       |                     | 6.46           |                                 | NA                         |                                    | NA                            |                                  | 6.78                        |                     | NA             |                                   | Semi-Annually                |                  |
|  | Sulfate (mg/L)                              | 3663                         |                                  | NA                          |                     | NA             |                                | NA                        |                                | NA                        |                     | 2180           |                               | NA                       |                     | NA             |                                 | NA                         |                                    | NA                            |                                  | 3760                        |                     | NA             |                                   | Semi-Annually                |                  |
|  | Nitrate + Nitrite (as N) (mg/L)             | 0.73                         |                                  | NA                          |                     | NA             |                                | NA                        |                                | NA                        |                     | 0.456          |                               | NA                       |                     | NA             |                                 | NA                         |                                    | NA                            |                                  | 1.21                        |                     | NA             |                                   | Semi-Annually                |                  |
| MW-03A (Class III)                         | Fluoride (Mg/L)                             | 0.68                         | NS                               | NA                          | 3/13/2013           | 0.902          | NS                             | NA                        | NS                             | NA                        | 5/23/2013           | 0.994          | NS                            | NA                       | 7/19/2013           | 1.18           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/11/2013          | 1.28           | NS                                | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                          |                     | 6.84           |                                | NA                        |                                | NA                        |                     | 7.10           |                               | NA                       |                     | 6.50           |                                 | NA                         |                                    | 6.98                          |                                  | NA                          |                     | 6.98           |                                   | NA                           | Semi-Annually    |
|  | Sulfate (mg/L)                              | 3640                         |                                  | NA                          |                     | 3480           |                                | NA                        |                                | NA                        |                     | 3120           |                               | NA                       |                     | 3670           |                                 | NA                         |                                    | 3360                          |                                  | NA                          |                     | 3360           |                                   | NA                           | Semi-Annually    |
|  | Nitrate + Nitrite (as N) (mg/L)             | 1.3                          |                                  | NA                          |                     | 1.22           |                                | NA                        |                                | NA                        |                     | 1.11           |                               | NA                       |                     | 1.09           |                                 | NA                         |                                    | NA                            |                                  | 1.52                        |                     | NA             |                                   | NA                           | Semi-Annually    |
| MW-05 (Class II)                           | TDS (mg/L)                                  | 5805                         | NS                               | NA                          | 3/11/2013           | 5750           | NS                             | NA                        | NS                             | NA                        | 5/14/2013           | 6020           | NS                            | NA                       | 7/18/2013           | 5860           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/4/2013           | 5940           | NS                                | NA                           | Semi-Annually    |
|  | Selenium (ug/L)                             | 89                           |                                  | NA                          |                     | 88.7           |                                | NA                        |                                | NA                        |                     | 75.6           |                               | NA                       |                     | 79.7           |                                 | NA                         |                                    | 77.9                          |                                  | NA                          |                     | 77.9           |                                   | NA                           | Semi-Annually    |
|  | Uranium (ug/L)                              | 7.5                          |                                  | NA                          |                     | 36             |                                | NA                        |                                | NA                        |                     | 1.33           |                               | NA                       |                     | 0.574          |                                 | NA                         |                                    | NA                            |                                  | 20.1                        |                     | NA             |                                   | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                          |                     | 6.56           |                                | NA                        |                                | NA                        |                     | 7.19           |                               | NA                       |                     | 6.60           |                                 | NA                         |                                    | 6.69                          |                                  | NA                          |                     | 6.69           |                                   | NA                           | Semi-Annually    |
| MW-12 (Class III)                          | Selenium (ug/L)                             | 25                           | NS                               | NA                          | 3/6/2013            | 19.6           | NS                             | NA                        | NS                             | NA                        | 5/15/2013           | 19.0           | NS                            | NA                       | 7/17/2013           | 20.5           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/9/2013           | 21.7           | NS                                | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.62 - 8.5                   |                                  | NA                          |                     | 6.75           |                                | NA                        |                                | NA                        |                     | 7.27           |                               | NA                       |                     | 6.68           |                                 | NA                         |                                    | 6.68                          |                                  | NA                          |                     | 6.68           |                                   | NA                           | Semi-Annually    |
| MW-15 (Class III)                          | Selenium (ug/L)                             | 128.7                        | NS                               | NA                          | 3/5/2013            | 137            | NS                             | NA                        | NS                             | NA                        | 5/15/2013           | 120            | NS                            | NA                       | 7/18/2013           | 100            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/20/2013          | 106            | NS                                | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.62 - 8.5                   |                                  | NA                          |                     | 6.75           |                                | NA                        |                                | NA                        |                     | 7.27           |                               | NA                       |                     | 6.68           |                                 | NA                         |                                    | 6.68                          |                                  | NA                          |                     | 6.68           |                                   | NA                           | Semi-Annually    |
| MW-15 (Class III)                          | Iron (ug/L)                                 | 81.7                         | NS                               | NA                          | 3/5/2013            | <30            | NS                             | NA                        | NS                             | NA                        | 5/15/2013           | <30            | NS                            | NA                       | 7/18/2013           | <30            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/20/2013          | <30            | NS                                | NA                           | Semi-Annually    |

| Q1 2013 Results                                |                                  |                      |                                  |                             |                     |                |                                |                           |                                | Q2 2013 Results           |                     |                |                               |                          | Q3 2013 Results     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
|--|----------------------------------|----------------------|----------------------------------|-----------------------------|---------------------|----------------|--------------------------------|---------------------------|--------------------------------|---------------------------|---------------------|----------------|-------------------------------|--------------------------|---------------------|----------------|---------------------------------|----------------------------|------------------------------------|-------------------------------|----------------------------------|-----------------------------|---------------------|----------------|-----------------------------------|------------------------------|------------------|
| Monitoring Well (Water Class)                  | Constituent Exceeding GWCL       | GWCL in Current GWDP | January 2013 Monthly Sample Date | January 2013 Monthly Result | Q1 2013 Sample Date | Q1 2013 Result | March 2013 Monthly Sample Date | March 2013 Monthly Result | April 2013 Monthly Sample Date | April 2013 Monthly Result | Q2 2013 Sample Date | Q2 2013 Result | June 2013 Monthly Sample Date | June 2013 Monthly Result | Q3 2013 Sample Date | Q3 2013 Result | August 2013 Monthly Sample Date | August 2013 Monthly Result | September 2013 Monthly Sample Date | September 2013 Monthly Result | October 2013 Monthly Sample Date | October 2013 Monthly Result | Q4 2013 Sample Date | Q4 2013 Result | December 2013 Monthly Sample Date | December 2013 Monthly Result | Sample Frequency |
| Required Semi-Annual Sampling Wells, continued |                                  |                      |                                  |                             |                     |                |                                |                           |                                |                           |                     |                |                               |                          |                     |                |                                 |                            |                                    |                               |                                  |                             |                     |                |                                   |                              |                  |
| MW-18 (Class III)                              | Thallium (ug/l)                  | 1.95                 | NS                               | NA                          | 2/25/2013           | 3.26           | NS                             | NA                        | NS                             | NA                        | 5/20/2013           | 2.81           | NS                            | NA                       | 7/15/2013           | 3.32           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/3/2013           | 3.06           | NS                                | NA                           | Semi-Annually    |
|  | Sulfate (mg/L)                   | 1938.9               |                                  | NA                          |                     | 1270           |                                | NA                        |                                | 1860                      |                     | NA             |                               | 1860                     |                     | NA             |                                 | 1860                       |                                    | NA                            |                                  | 2000                        |                     | NA             |                                   | NA                           |                  |
|  | Field pH (S.U.)                  | 6.25-8.5             |                                  | NA                          |                     | 6.35           |                                | NA                        |                                | 6.97                      |                     | NA             |                               | 6.45                     |                     | NA             |                                 | 6.45                       |                                    | NA                            |                                  | 6.38                        |                     | NA             |                                   | NA                           |                  |
|  | TDS (mg/L)                       | 3198.77              |                                  | NA                          |                     | 3350           |                                | NA                        |                                | 3160                      |                     | NA             |                               | 3170                     |                     | NA             |                                 | 3170                       |                                    | NA                            |                                  | 3240                        |                     | NA             |                                   | NA                           |                  |
| MW-19 (Class III)                              | Field pH (S.U.)                  | 6.78-8.5             | NS                               | NA                          | 3/13/2013           | 6.50           | NS                             | NA                        | NS                             | NA                        | 5/20/2013           | 7.16           | NS                            | NA                       | 7/15/2013           | 6.91           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/3/2013           | 6.58           | NS                                | NA                           | Semi-Annually    |
|  | Gross Alpha minus Rn & U (pCi/L) | 2.36                 |                                  | NA                          |                     | 1.11           |                                | NA                        |                                | 1.19                      |                     | NA             |                               | <1.00                    |                     | NA             |                                 | NA                         |                                    | NA                            |                                  | <1.00                       |                     | NA             |                                   |                              |                  |
|  | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 |                                  | NA                          |                     | 3.61           |                                | NA                        |                                | 4.21                      |                     | NA             |                               | 3.66                     |                     | NA             |                                 | NA                         |                                    | NA                            |                                  | 3.70                        |                     | NA             |                                   |                              |                  |
| MW-23 (Class III)                              | Field pH (S.U.)                  | 6.5 - 8.5            | NS                               | NA                          | 3/11/2013           | 6.37           | NS                             | NA                        | NS                             | NA                        | 5/23/2013           | 7.23           | NS                            | NA                       | 7/18/2013           | 6.61           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/18/2013          | 7.21           | NS                                | NA                           | Semi-Annually    |
|  | Manganese (ug/L)                 | 550                  |                                  | NA                          |                     | 137            |                                | NA                        |                                | 24.3                      |                     | NA             |                               | 129                      |                     | NA             |                                 | 129                        |                                    | NA                            |                                  | 19.2                        |                     | NA             |                                   |                              |                  |
| MW-24 (Class III)                              | Cadmium (ug/L)                   | 2.5                  | NS                               | NA                          | 3/13/2013           | 2.0            | NS                             | NA                        | NS                             | NA                        | 5/22/2013           | 1.32           | NS                            | NA                       | 7/19/2013           | 6.72           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/12/2013          | 1.15           | NS                                | NA                           | Semi-Annually    |
|  | Fluoride (Mg/L)                  | 0.36                 |                                  | NA                          |                     | 0.355          |                                | NA                        |                                | 0.211                     |                     | NA             |                               | 0.288                    |                     | NA             |                                 | NA                         |                                    | 0.310                         |                                  | NA                          |                     |                |                                   |                              |                  |
|  | Thallium (ug/L)                  | 1                    |                                  | NA                          |                     | 0.88           |                                | NA                        |                                | 0.618                     |                     | NA             |                               | 1.64                     |                     | NA             |                                 | NA                         |                                    | 0.707                         |                                  | NA                          |                     |                |                                   |                              |                  |
|  | Field pH (S.U.)                  | 6.5 - 8.5            |                                  | NA                          |                     | 6.29           |                                | NA                        |                                | 6.77                      |                     | NA             |                               | 5.80                     |                     | NA             |                                 | NA                         |                                    | 6.08                          |                                  | NA                          |                     |                |                                   |                              |                  |
| MW-27 (Class III)                              | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | NS                               | NA                          | 2/25/2013           | 7.94           | NS                             | NA                        | NS                             | NA                        | 5/21/2013           | 7.09           | NS                            | NA                       | 7/17/2013           | 6.97           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/4/2013           | 7.89           | NS                                | NA                           | Semi-Annually    |
|  | Chloride (mg/L)                  | 38                   |                                  | NA                          |                     | 50.3           |                                | NA                        |                                | 44.3                      |                     | NA             |                               | 44.2                     |                     | NA             |                                 | NA                         |                                    | 45.0                          |                                  | NA                          |                     |                |                                   |                              |                  |
|  | Sulfate (mg/L)                   | 462                  |                                  | NA                          |                     | 431            |                                | NA                        |                                | 497                       |                     | NA             |                               | NA                       |                     | NA             |                                 | 442                        |                                    | NA                            |                                  |                             |                     |                |                                   |                              |                  |
|  | TDS (mg/L)                       | 1075                 |                                  | NA                          |                     | 1140           |                                | NA                        |                                | 1110                      |                     | NA             |                               | 1110                     |                     | NA             |                                 | NA                         |                                    | 1100                          |                                  | NA                          |                     |                |                                   |                              |                  |
|  | Gross Alpha minus Rn & U (pCi/L) | 2                    |                                  | NA                          |                     | <1.0           |                                | NA                        |                                | 1.57                      |                     | NA             |                               | <1.00                    |                     | NA             |                                 | NA                         |                                    | 1.28                          |                                  | NA                          |                     |                |                                   |                              |                  |
| MW-28 (Class III)                              | Chloride (mg/L)                  | 105                  | NS                               | NA                          | 3/5/2013            | 110            | NS                             | NA                        | NS                             | NA                        | 5/15/2013           | 102            | NS                            | NA                       | 7/17/2013           | 107            | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 12/4/2013           | 109            | NS                                | NA                           | Semi-Annually    |
|  | Manganese (ug/L)                 | 1837                 |                                  | NA                          |                     | 1680           |                                | NA                        |                                | 1730                      |                     | NA             |                               | 1650                     |                     | NA             |                                 | 1530                       |                                    | NA                            |                                  |                             |                     |                |                                   |                              |                  |
|  | Field pH (S.U.)                  | 6.1 - 8.5            |                                  | NA                          |                     | 6.00           |                                | NA                        |                                | 6.63                      |                     | NA             |                               | 5.97                     |                     | NA             |                                 | NA                         |                                    | 6.10                          |                                  | NA                          |                     |                |                                   |                              |                  |
| MW-29 (Class III)                              | Manganese (ug/L)                 | 5624                 | NS                               | NA                          | 3/6/2013            | 5340           | NS                             | NA                        | NS                             | NA                        | 5/23/2013           | 5140           | NS                            | NA                       | 7/17/2013           | 5140           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/20/2013          | 5320           | NS                                | NA                           | Semi-Annually    |
|  | TDS (mg/L)                       | 4400                 |                                  | NA                          |                     | 4500           |                                | NA                        |                                | 4340                      |                     | NA             |                               | 4270                     |                     | NA             |                                 | 4370                       |                                    | NA                            |                                  |                             |                     |                |                                   |                              |                  |
|  | Field pH (S.U.)                  | 6.46 - 8.5           |                                  | NA                          |                     | 6.36           |                                | NA                        |                                | 6.88                      |                     | NA             |                               | 6.37                     |                     | NA             |                                 | NA                         |                                    | 6.35                          |                                  | NA                          |                     |                |                                   |                              |                  |
| MW-32 (Class III)                              | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | NS                               | NA                          | 2/19/2013           | 5.02           | NS                             | NA                        | NS                             | NA                        | 5/13/2013           | 3.72           | NS                            | NA                       | 7/9/2013            | 6.46           | NS                              | NA                         | NS                                 | NA                            | NS                               | NA                          | 11/18/2013          | 1.86           | NS                                | NA                           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.4 - 8.5            |                                  | NA                          |                     | 6.52           |                                | NA                        |                                | 7.10                      |                     | NA             |                               | 6.39                     |                     | NA             |                                 | NA                         |                                    | 6.29                          |                                  | NA                          |                     |                |                                   |                              |                  |

Notes:  
 GWCL values are taken from August 24, 2012 version of GWDP.  
 NS = Not Required and Not Sampled  
 NR = Required and Not Reported  
 NA = Not Applicable

Exceedances are shown in yellow  
 Values in () parentheses are the field pH measurements for the resampled analyses.

\* Data are reported from the 6/5/13 chlorofrm program sample.

This constituent was removed from accelerated monitoring pursuant to the DRC letter dated November 14, 2013. The constituent exceeded the GWCL in the 4th quarter sample and will be sampled monthly beginning on or before March 2014.

Pursuant to the RC letter of November 18, 2013, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

Table 3 – GWCL Exceedances for First Quarter 2014 under the August 24, 2012 GWDP

| Q1 2014 Results                            |   |                              |                                  |                             |                                   |                              |                     |                |                  |
|--|---|------------------------------|----------------------------------|-----------------------------|-----------------------------------|------------------------------|---------------------|----------------|------------------|
| Monitoring Well (Water Class)              | Constituent Exceeding GWCL                  | GWCL in August 24, 2012 GWDP | January 2014 Monthly Sample Date | January 2014 Monthly Result | February 2014 Monthly Sample Date | February 2014 Monthly Result | Q1 2014 Sample Date | Q1 2014 Result | Sample Frequency |
| <b>Required Quarterly Sampling Wells</b>   |   |                              |                                  |                             |                                   |                              |                     |                |                  |
| MW-11 (Class II)                           | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/8/2014                         | 7.77                        | 2/24/2014                         | 7.08                         | 3/11/2014           | 7.10           | Quarterly        |
|  | Manganese (ug/L)                            | 131.29                       |                                  | 141                         |                                   | 163                          |                     | 134            | Quarterly        |
| MW-14 (Class III)                          | Manganese (ug/L)                            | 2230.30                      | 1/8/2014                         | 2040                        | 2/24/2014                         | 2000                         | 3/11/2014           | 1930           | Quarterly        |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 6.60                        |                                   | 6.16                         |                     | 6.33           | Quarterly        |
| MW-25 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | 1/7/2014                         | 6.37                        | 2/13/2014                         | 6.10                         | 3/10/2014           | 6.27           | Quarterly        |
|  | Cadmium (ug/L)                              | 1.5                          |                                  | 1.39                        |                                   | 1.29                         |                     | 1.29           | Quarterly        |
|  | Chloride (mg/L)                             | 35                           |                                  | 31.0                        |                                   | 30.4                         |                     | 31.5           | Quarterly        |
|  | Fluoride (mg/L)                             | 0.42                         |                                  | 0.297                       |                                   | 0.313                        |                     | 0.355          | Quarterly        |
|  | Uranium                                     | 6.5                          |                                  | NA                          |                                   | 5.83                         |                     | 6.26           | Quarterly        |
| MW-26 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 0.62                         | 1/8/2014                         | 2.42                        | 2/24/2014                         | 2.12                         | 3/12/2014           | 1.30           | Quarterly        |
|  | Uranium (ug/L)                              | 41.8                         |                                  | 81.7                        |                                   | 72.2                         |                     | 51.8           | Quarterly        |
|  | Chloroform (ug/L)                           | 70                           |                                  | 1580                        |                                   | 2810                         |                     | 2800           | Quarterly        |
|  | Chloride (mg/L)                             | 58.31                        |                                  | 69.7                        |                                   | 70.4                         |                     | 61.0           | Quarterly        |
|  | Carbon Tetrachloride (ug/L)                 | 5                            |                                  | NA                          |                                   | NA                           |                     | 6.86           | Quarterly        |
|  | Field pH (S.U.)                             | 6.74 - 8.5                   |                                  | 6.80                        |                                   | 6.78                         |                     | 6.50           | Quarterly        |
|  | Dichloromethane (Methylene Chloride) (ug/L) | 5                            |                                  | 6.52                        |                                   | 25.8                         |                     | 15.5           | Quarterly        |
| MW-30 (Class II)                           | Nitrate + Nitrite (as N) (mg/L)             | 2.5                          | 1/8/2014                         | 20.3                        | 2/25/2014                         | 18.4                         | 3/11/2014           | 21.3           | Quarterly        |
|  | Chloride (mg/L)                             | 128                          |                                  | 131                         |                                   | 135                          |                     | 144            | Quarterly        |
|  | Uranium (ug/L)                              | 8.32                         |                                  | NA                          |                                   | 6.83                         |                     | 7.84           | Quarterly        |
|  | Selenium (ug/L)                             | 34                           |                                  | 35.6                        |                                   | 35.8                         |                     | 38.0           | Quarterly        |
| MW-31 (Class III)                          | Nitrate + Nitrite (as N) (mg/L)             | 5                            | 1/7/2014                         | 24.0                        | 2/17/2014                         | 20.6                         | 3/10/2014           | 26.2           | Quarterly        |
|  | TDS (mg/L)                                  | 1320                         |                                  | 1510                        |                                   | 1460                         |                     | 1490           | Quarterly        |
|  | Chloride (mg/L)                             | 143                          |                                  | 194                         |                                   | 197                          |                     | 230            | Quarterly        |
|  | Selenium (ug/L)                             | 71                           |                                  | 74.4                        |                                   | 75.8                         |                     | 77.2           | Quarterly        |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | 7.13                        |                                   | 6.45                         |                     | 6.53           | Quarterly        |
|  | Sulfate (mg/L)                              | 532                          |                                  | 558                         |                                   | 480                          |                     | 681            | Quarterly        |
| MW-35 (Class II)                           | Manganese (ug/L)                            | 200                          | 1/8/2014                         | 252                         | 2/11/2014                         | 247                          | 2/26/14             | 204            | Quarterly        |
|  | Thallium (ug/l)                             | 0.5                          |                                  | 0.535                       |                                   | <0.5                         |                     | <0.5           | Quarterly        |
|  | Gross Alpha minus Rn & U (pCi/L)            | 3.75                         |                                  | 4.12                        |                                   | 3.98                         |                     | 4.33           | Quarterly        |
|  | Selenium (ug/L)                             | 12.5                         |                                  | 8.95                        |                                   | 12.3                         |                     | 14.1           | Quarterly        |
|  | Uranium (ug/L)                              | 7.5                          |                                  | 20.8                        |                                   | 20.6                         |                     | 21.5           | Quarterly        |
| <b>Required Semi-Annual Sampling Wells</b> |   |                              |                                  |                             |                                   |                              |                     |                |                  |
| MW-01 (Class II)                           | Manganese (ug/L)                            | 289                          | NS                               | NA                          | NS                                | NA                           | 2/20/2014           | 76.8           | Semi-Annually    |
|  | Tetrahydrofuran (ug/L)                      | 11.5                         |                                  | NA                          |                                   | NA                           |                     | 3.25           | Semi-Annually    |
|  | Sulfate (mg/L)                              | 838                          |                                  | NA                          |                                   | NA                           |                     | 836            | Semi-Annually    |
| MW-03 (Class III)                          | Selenium (ug/L)                             | 37                           | NS                               | NA                          | NS                                | NA                           | 2/26/2014           | 37.0           | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.5 - 8.5                    |                                  | NA                          |                                   | NA                           |                     | 6.23           | Semi-Annually    |
|  | Sulfate (mg/L)                              | 3663                         |                                  | NA                          |                                   | NA                           |                     | NA             | Semi-Annually    |
|  | Nitrate + Nitrite (as N) (mg/L)             | 0.73                         |                                  | NA                          |                                   | NA                           |                     | NA             | Semi-Annually    |
|  | Fluoride (Mg/L)                             | 0.68                         |                                  | NA                          |                                   | NA                           |                     | 0.771          | Semi-Annually    |
| MW-03A (Class III)                         | Field pH (S.U.)                             | 6.5 - 8.5                    | NS                               | NA                          | NS                                | NA                           | 3/5/2014            | 6.58           | Semi-Annually    |
|  | Sulfate (mg/L)                              | 3640                         |                                  | NA                          |                                   | NA                           |                     | 3100           | Semi-Annually    |
|  | Nitrate + Nitrite (as N) (mg/L)             | 1.3                          |                                  | NA                          |                                   | NA                           |                     | 0.849          | Semi-Annually    |
|  | TDS (mg/L)                                  | 5805                         |                                  | NA                          |                                   | NA                           |                     | 5600           | Semi-Annually    |
|  | Selenium (ug/L)                             | 89                           |                                  | NA                          |                                   | NA                           |                     | 92.1           | Semi-Annually    |
| MW-05 (Class II)                           | Uranium (ug/L)                              | 7.5                          | NS                               | NA                          | NS                                | NA                           | 2/12/2014           | 22.0           | Semi-Annually    |
| MW-12 (Class III)                          | Field pH (S.U.)                             | 6.5 - 8.5                    | NS                               | NA                          | NS                                | NA                           | 2/12/2014           | 6.13           | Semi-Annually    |
|  | Selenium (ug/L)                             | 25                           |                                  | NA                          |                                   | NA                           |                     | 23.7           | Semi-Annually    |
| MW-15 (Class III)                          | Selenium (ug/L)                             | 128.7                        | NS                               | NA                          | NS                                | NA                           | 2/25/2014           | 110            | Semi-Annually    |
|  | Field pH (S.U.)                             | 6.62 - 8.5                   |                                  | NA                          |                                   | NA                           |                     | 6.51           | Semi-Annually    |
|  | Iron (ug/L)                                 | 81.7                         |                                  | NA                          |                                   | NA                           |                     | <30            | Semi-Annually    |

| Q1 2014 Results                                |                                  |                      |                                  |                             |                                   |                              |                     |                |                  |
|--|----------------------------------|----------------------|----------------------------------|-----------------------------|-----------------------------------|------------------------------|---------------------|----------------|------------------|
| Monitoring Well (Water Class)                  | Constituent Exceeding GWCL       | GWCL in Current GWDP | January 2014 Monthly Sample Date | January 2014 Monthly Result | February 2014 Monthly Sample Date | February 2014 Monthly Result | Q1 2014 Sample Date | Q1 2014 Result | Sample Frequency |
| Required Semi-Annual Sampling Wells, continued |                                  |                      |                                  |                             |                                   |                              |                     |                |                  |
| MW-18 (Class III)                              | Thallium (ug/l)                  | 1.95                 | NS                               | NA                          | NS                                | NA                           | 2/19/2014           | 2.77           | Semi-Annually    |
|  | Sulfate (mg/L)                   | 1938.9               |                                  | NA                          |                                   | NA                           |                     | 1650           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.25-8.5             |                                  | NA                          |                                   | NA                           |                     | 6.16           | Semi-Annually    |
|  | TDS (mg/L)                       | 3198.77              |                                  | NA                          |                                   | NA                           |                     | 3080           | Semi-Annually    |
| MW-19 (Class III)                              | Field pH (S.U.)                  | 6.78-8.5             | NS                               | NA                          | NS                                | NA                           | 2/18/2014           | 6.29           | Semi-Annually    |
|  | Gross Alpha minus Rn & U (pCi/L) | 2.36                 |                                  | NA                          |                                   | NA                           |                     | <1.0           | Semi-Annually    |
|  | Nitrate + Nitrite (as N) (mg/L)  | 2.83                 |                                  | NA                          |                                   | NA                           |                     | 3.82           | Semi-Annually    |
| MW-23 (Class III)                              | Field pH (S.U.)                  | 6.5 - 8.5            | NS                               | NA                          | NS                                | NA                           | 3/5/2014            | 6.52           | Semi-Annually    |
|  | Manganese (ug/L)                 | 550                  |                                  | NA                          |                                   | NA                           |                     | 31.5           | Semi-Annually    |
| MW-24 (Class III)                              | Cadmium (ug/L)                   | 2.5                  | NS                               | NA                          | NS                                | NA                           | 3/6/2014            | 5.92           | Semi-Annually    |
|  | Fluoride (mg/L)                  | 0.36                 |                                  | NA                          |                                   | NA                           |                     | 0.234          | Semi-Annually    |
|  | Thallium (ug/L)                  | 1                    |                                  | NA                          |                                   | NA                           |                     | 1.85           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.5 - 8.5            |                                  | NA                          |                                   | NA                           |                     | 5.89           | Semi-Annually    |
| MW-27 (Class III)                              | Nitrate + Nitrite (as N) (mg/L)  | 5.6                  | NS                               | NA                          | NS                                | NA                           | 2/25/2014           | 7.98           | Semi-Annually    |
|  | Chloride (mg/L)                  | 38                   |                                  | NA                          |                                   | NA                           |                     | 47.0           | Semi-Annually    |
|  | Sulfate (mg/L)                   | 462                  |                                  | NA                          |                                   | NA                           |                     | 411            | Semi-Annually    |
|  | TDS (mg/L)                       | 1075                 |                                  | NA                          |                                   | NA                           |                     | 1040           | Semi-Annually    |
|  | Gross Alpha minus Rn & U (pCi/L) | 2                    |                                  | NA                          |                                   | NA                           |                     | 1.08           | Semi-Annually    |
| MW-28 (Class III)                              | Chloride (mg/L)                  | 105                  | NS                               | NA                          | NS                                | NA                           | 2/26/2014           | 113            | Semi-Annually    |
|  | Manganese (ug/L)                 | 1837                 |                                  | NA                          |                                   | NA                           |                     | 1650           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.1 - 8.5            |                                  | NA                          |                                   | NA                           |                     | 6.01           | Semi-Annually    |
| MW-29 (Class III)                              | Manganese (ug/L)                 | 5624                 | NS                               | NA                          | NS                                | NA                           | 2/25/2014           | 5170           | Semi-Annually    |
|  | TDS (mg/L)                       | 4400                 |                                  | NA                          |                                   | NA                           |                     | 4500           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.46 - 8.5           |                                  | NA                          |                                   | NA                           |                     | 6.78           | Semi-Annually    |
| MW-32 (Class III)                              | Gross Alpha minus Rn & U (pCi/L) | 3.33                 | NS                               | NA                          | NS                                | NA                           | 2/11/2014           | 1.94           | Semi-Annually    |
|  | Field pH (S.U.)                  | 6.4 - 8.5            |                                  | NA                          |                                   | NA                           |                     | 6.15           | Semi-Annually    |

Notes:  
 GWCL values are taken from August 24, 2012 version of GWDP.  
 NS = Not Required and Not Sampled  
 NR = Required and Not Reported  
 NA = Not Applicable  
 Exceedances are shown in yellow  
 Values in () parentheses are the field pH measurements for the resampled analyses.  
 \* Data are reported from the 6/5/13 chloroform program sample.

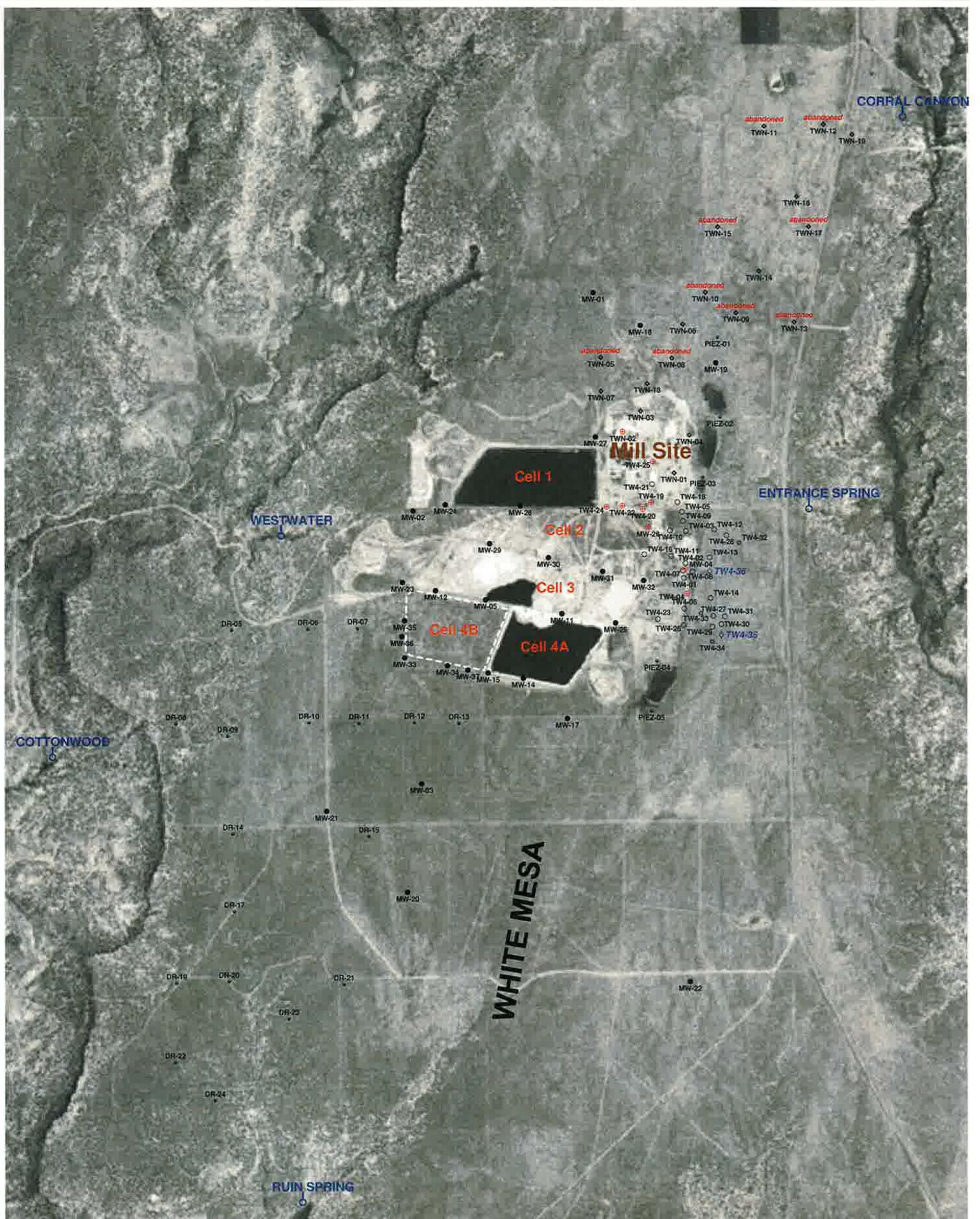
Pursuant to the DRC letter of March 10, 2014, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

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Tab A

Site Plan and Perched Well Locations White Mesa Site



**EXPLANATION**

- TW4-35 proposed temporary perched monitoring well
- TW4-19 perched chloroform or nitrate pumping well
- MW-5 perched monitoring well
- TW4-12 temporary perched monitoring well
- TWN-7 temporary perched nitrate monitoring well
- PIEZ-1 perched piezometer
- TW4-32 temporary perched monitoring well installed September, 2013
- RUIN SPRING seep or spring



**HYDRO  
GEO  
CHEM, INC.**

**SITE PLAN SHOWING PERCHED WELL  
AND PIEZOMETER LOCATIONS  
WHITE MESA SITE**

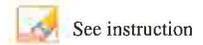
| APPROVED | DATE | REFERENCE                     | FIGURE |
|----------|------|-------------------------------|--------|
|          |      | H:/718000/may14/Uwelloc14.srf | A-1    |

Tab B

Field Data Worksheets Quarterly Sampling



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-01 Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-01-02202014

Date and Time for Purging 2/20/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-18

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 118.00

Depth to Water Before Purging 63.88 Casing Volume (V) 4" Well: 0 (.653h)  
 3" Well: 19.86 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0927</u>  | Gal. Purged | <u>39.49</u> |
| Conductance             | <u>1942</u>  | pH          | <u>6.37</u>  |
| Temp. °C                | <u>13.20</u> |             |              |
| Redox Potential Eh (mV) | <u>262</u>   |             |              |
| Turbidity (NTU)         | <u>5.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0928</u>  | Gal. Purged | <u>39.71</u> |
| Conductance             | <u>1940</u>  | pH          | <u>6.52</u>  |
| Temp. °C                | <u>13.34</u> |             |              |
| Redox Potential Eh (mV) | <u>256</u>   |             |              |
| Turbidity (NTU)         | <u>4.9</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0929</u>  | Gal. Purged | <u>39.92</u> |
| Conductance             | <u>1992</u>  | pH          | <u>6.55</u>  |
| Temp. °C                | <u>13.31</u> |             |              |
| Redox Potential Eh (mV) | <u>250</u>   |             |              |
| Turbidity (NTU)         | <u>4.8</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0930</u>  | Gal. Purged | <u>40.19</u> |
| Conductance             | <u>1941</u>  | pH          | <u>6.61</u>  |
| Temp. °C                | <u>13.29</u> |             |              |
| Redox Potential Eh (mV) | <u>238</u>   |             |              |
| Turbidity (NTU)         | <u>4.8</u>   |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

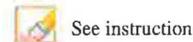
Comment

Arrived on site at 0620. Tanner and Garrin present for purge and sampling event. Purge began at 0625. Purged well for a total of 185 minutes. Purge ended and samples collected at 0930. water was clear. Left site at 0935

**MW-01 02-20-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1257"/>  | Gal. Purged | <input type="text" value="10.81"/> |
| Conductance             | <input type="text" value="5762"/>  | pH          | <input type="text" value="6.16"/>  |
| Temp. °C                | <input type="text" value="14.86"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="275"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1258"/>  | Gal. Purged | <input type="text" value="11.02"/> |
| Conductance             | <input type="text" value="5772"/>  | pH          | <input type="text" value="6.20"/>  |
| Temp. °C                | <input type="text" value="14.88"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="272"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1259"/>  | Gal. Purged | <input type="text" value="11.23"/> |
| Conductance             | <input type="text" value="5766"/>  | pH          | <input type="text" value="6.21"/>  |
| Temp. °C                | <input type="text" value="14.86"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="270"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1300"/>  | Gal. Purged | <input type="text" value="11.44"/> |
| Conductance             | <input type="text" value="5769"/>  | pH          | <input type="text" value="6.23"/>  |
| Temp. °C                | <input type="text" value="14.80"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="268"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

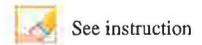
Comment

Arrived on site at 1201. Tanner and Garrin present for purge and sampling event. Purge began at 1205. Purged well for a total of 55 minutes. Purge ended and samples collected at 1300, water was clear. Left site at 1304

**MW-03 02-26-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID MW-03A\_03052014

Date and Time for Purging 3/4/2014

and Sampling (if different) 3/5/2014

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-37

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging 84.90

Casing Volume (V) 4" Well: 6.59 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 11°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1330</u>  | Gal. Purged | <u>12.46</u> |
| Conductance             | <u>5901</u>  | pH          | <u>6.58</u>  |
| Temp. °C                | <u>15.14</u> |             |              |
| Redox Potential Eh (mV) | <u>258</u>   |             |              |
| Turbidity (NTU)         | <u>3.8</u>   |             |              |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>0804</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>6000</u>  | pH          | <u>6.57</u> |
| Temp. °C                | <u>12.56</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>0808</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>5989</u>  | pH          | <u>6.58</u> |
| Temp. °C                | <u>12.68</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

Before

After

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1225. Tanner and Garrin present for purge.  
 Purge began at 1230. Purged well for 65 minutes. Flow Rate decreased until well ran dry. Purge ended at 1335. water was clear. Left site at 1340  
 Arrived on site at 0800 Tanner and Garrin present to collect samples. Depth to water was 88.35 samples collected at 0805. Left site at 0809

**MW-03A 03-04-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1207"/>  | Gal. Purged | <input type="text" value="41.66"/> |
| Conductance             | <input type="text" value="2947"/>  | pH          | <input type="text" value="6.67"/>  |
| Temp. °C                | <input type="text" value="14.19"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="346"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1208"/>  | Gal. Purged | <input type="text" value="41.88"/> |
| Conductance             | <input type="text" value="2937"/>  | pH          | <input type="text" value="6.79"/>  |
| Temp. °C                | <input type="text" value="14.16"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="338"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1209"/>  | Gal. Purged | <input type="text" value="42.09"/> |
| Conductance             | <input type="text" value="2939"/>  | pH          | <input type="text" value="6.81"/>  |
| Temp. °C                | <input type="text" value="14.23"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="334"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1210"/>  | Gal. Purged | <input type="text" value="42.31"/> |
| Conductance             | <input type="text" value="2935"/>  | pH          | <input type="text" value="6.87"/>  |
| Temp. °C                | <input type="text" value="14.30"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="330"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 =

Time to evacuate two casing volumes (2V)  
T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

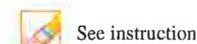
Comment

Arrived on site at 0850. Tanner and Garrin present for purge and sampling event  
Purge began at 0855. Purged well for a total of 195 minutes  
Purge ended and sample collected at 1210. Water was clear  
Left site at 1212

**MW-05 02-12-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground water 2014

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID MW-11\_03/1/2014

Date and Time for Purging 3/11/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 86.76  
86.76

Casing Volume (V) 4" Well: 28.23 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 0

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1157</u>  | Gal. Purged | <u>57.93</u> |
| Conductance             | <u>2922</u>  | pH          | <u>7.02</u>  |
| Temp. °C                | <u>14.22</u> |             |              |
| Redox Potential Eh (mV) | <u>270</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1158</u>  | Gal. Purged | <u>58.15</u> |
| Conductance             | <u>2919</u>  | pH          | <u>7.04</u>  |
| Temp. °C                | <u>14.25</u> |             |              |
| Redox Potential Eh (mV) | <u>269</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1159</u>  | Gal. Purged | <u>58.37</u> |
| Conductance             | <u>2923</u>  | pH          | <u>7.06</u>  |
| Temp. °C                | <u>14.27</u> |             |              |
| Redox Potential Eh (mV) | <u>265</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1200</u>  | Gal. Purged | <u>58.59</u> |
| Conductance             | <u>2918</u>  | pH          | <u>7.10</u>  |
| Temp. °C                | <u>14.30</u> |             |              |
| Redox Potential Eh (mV) | <u>256</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics.*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

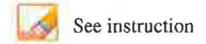
Comment

Arrived on site at 0724 Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 270 minutes. Purge ended and samples collected at 1200. water was clear. Left site at 1210

**MW-11 03-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-12 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-12-02122014

Date and Time for Purging 2/12/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 130.40

Depth to Water Before Purging 108.54 Casing Volume (V) 4" Well: 14.27 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

Time 0842 Gal. Purged 28.64

Conductance 4145 pH 6.07

Temp. °C 14.60

Redox Potential Eh (mV) 336

Turbidity (NTU) 2.5

Time 0843 Gal. Purged 28.86

Conductance 4155 pH 6.07

Temp. °C 14.38

Redox Potential Eh (mV) 327

Turbidity (NTU) 2.5

Time 0844 Gal. Purged 29.07

Conductance 4177 pH 6.10

Temp. °C 14.40

Redox Potential Eh (mV) 326

Turbidity (NTU) 2.5

Time 0845 Gal. Purged 29.29

Conductance 4180 pH 6.13

Temp. °C 14.42

Redox Potential Eh (mV) 324

Turbidity (NTU) 2.5

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0622 Tanner and Garrin present for purge and sampling event. Purge began at 0630. Purged well for a total of 135 minutes. Purge ended and sample collected at 0845. Left site at 0848 water was clear

**MW-12 02-12-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-14 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-14\_03112014

Date and Time for Purging 3/11/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.39 Casing Volume (V) 4" Well: 16.52 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 0

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1007</u>  | Gal. Purged | <u>32.98</u> |
| Conductance             | <u>3936</u>  | pH          | <u>6.36</u>  |
| Temp. °C                | <u>14.35</u> |             |              |
| Redox Potential Eh (mV) | <u>292</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1008</u>  | Gal. Purged | <u>33.20</u> |
| Conductance             | <u>3934</u>  | pH          | <u>6.32</u>  |
| Temp. °C                | <u>14.37</u> |             |              |
| Redox Potential Eh (mV) | <u>286</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1009</u>  | Gal. Purged | <u>33.47</u> |
| Conductance             | <u>3934</u>  | pH          | <u>6.33</u>  |
| Temp. °C                | <u>14.31</u> |             |              |
| Redox Potential Eh (mV) | <u>284</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1010</u>  | Gal. Purged | <u>33.63</u> |
| Conductance             | <u>3930</u>  | pH          | <u>6.33</u>  |
| Temp. °C                | <u>14.28</u> |             |              |
| Redox Potential Eh (mV) | <u>282</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment  
 Arrived on site at 0731. Tanner and Garrin present for purge and sampling event.  
 Purge began at 0735. Purged well for a total of 155 minutes.  
 Purge ended and samples collected at 1010. water was clear  
 Left site at 1027

**MW-14 03-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-15 Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-15\_02252014

Date and Time for Purging 2/25/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-29

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 137.00

Depth to Water Before Purging 106.24 Casing Volume (V) 4" Well: 20.08 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 12°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1537</u>  | Gal. Purged | <u>40.57</u> |
| Conductance             | <u>4294</u>  | pH          | <u>6.50</u>  |
| Temp. °C                | <u>14.95</u> |             |              |
| Redox Potential Eh (mV) | <u>233</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1538</u>  | Gal. Purged | <u>40.79</u> |
| Conductance             | <u>4306</u>  | pH          | <u>6.50</u>  |
| Temp. °C                | <u>14.97</u> |             |              |
| Redox Potential Eh (mV) | <u>233</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1539</u>  | Gal. Purged | <u>41.01</u> |
| Conductance             | <u>4306</u>  | pH          | <u>6.49</u>  |
| Temp. °C                | <u>14.98</u> |             |              |
| Redox Potential Eh (mV) | <u>232</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1540</u>  | Gal. Purged | <u>41.23</u> |
| Conductance             | <u>4316</u>  | pH          | <u>6.51</u>  |
| Temp. °C                | <u>14.97</u> |             |              |
| Redox Potential Eh (mV) | <u>231</u>   |             |              |
| Turbidity (NTU)         | <u>1.0</u>   |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

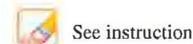
Comment

Arrived on site at 1225. Tanner and Carrin present for purge and sampling event.  
 Purge began at 1230. Purged well for a total of 190 minutes  
 Purge ended and sample collected at 1540. water was clear  
 Left site at 1542

**MW-15 02-25-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-18

Sampler Name and initials: Tanner Holiday/TH

Field Sample ID MW-18\_02192014

Date and Time for Purging 2/19/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly Ground Water

Prev. Well Sampled in Sampling Event MW-19

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging 70.67

Casing Volume (V) 4" Well: 41.35 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly cloudy

Ext'l Amb. Temp. °C (prior sampling event) 1°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1302</u>  | Gal. Purged | <u>83.97</u> |
| Conductance             | <u>3489</u>  | pH          | <u>6.15</u>  |
| Temp. °C                | <u>14.10</u> |             |              |
| Redox Potential Eh (mV) | <u>261</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1303</u>  | Gal. Purged | <u>84.19</u> |
| Conductance             | <u>3487</u>  | pH          | <u>6.15</u>  |
| Temp. °C                | <u>14.15</u> |             |              |
| Redox Potential Eh (mV) | <u>258</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1304</u>  | Gal. Purged | <u>84.41</u> |
| Conductance             | <u>3493</u>  | pH          | <u>6.15</u>  |
| Temp. °C                | <u>14.15</u> |             |              |
| Redox Potential Eh (mV) | <u>257</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1305</u>  | Gal. Purged | <u>84.63</u> |
| Conductance             | <u>3496</u>  | pH          | <u>6.16</u>  |
| Temp. °C                | <u>14.11</u> |             |              |
| Redox Potential Eh (mV) | <u>256</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

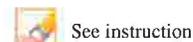
Comment

Arrived on site at 0630. Tanner and Garrin present for purge and sampling event  
 Purge began at 0635. Purged well for a total of 390 minutes. Purge ended and samples collected at 1305. Water was clear  
 Left site at 1309

**MW-18 02-19-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-19\_02.18.2014

Date and Time for Purging 2/18/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-31

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging 58.35

Casing Volume (V) 4" Well: 59.19 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) -3°

|                         |              |             |               |
|-------------------------|--------------|-------------|---------------|
| Time                    | <u>1557</u>  | Gal. Purged | <u>129.54</u> |
| Conductance             | <u>1622</u>  | pH          | <u>6.23</u>   |
| Temp. °C                | <u>14.62</u> |             |               |
| Redox Potential Eh (mV) | <u>287</u>   |             |               |
| Turbidity (NTU)         | <u>1.3</u>   |             |               |

|                         |              |             |               |
|-------------------------|--------------|-------------|---------------|
| Time                    | <u>1558</u>  | Gal. Purged | <u>129.76</u> |
| Conductance             | <u>1623</u>  | pH          | <u>6.27</u>   |
| Temp. °C                | <u>14.62</u> |             |               |
| Redox Potential Eh (mV) | <u>279</u>   |             |               |
| Turbidity (NTU)         | <u>1.2</u>   |             |               |

|                         |              |             |               |
|-------------------------|--------------|-------------|---------------|
| Time                    | <u>1559</u>  | Gal. Purged | <u>129.98</u> |
| Conductance             | <u>1619</u>  | pH          | <u>6.28</u>   |
| Temp. °C                | <u>14.53</u> |             |               |
| Redox Potential Eh (mV) | <u>276</u>   |             |               |
| Turbidity (NTU)         | <u>1.1</u>   |             |               |

|                         |              |             |               |
|-------------------------|--------------|-------------|---------------|
| Time                    | <u>1600</u>  | Gal. Purged | <u>130.20</u> |
| Conductance             | <u>1622</u>  | pH          | <u>6.29</u>   |
| Temp. °C                | <u>14.50</u> |             |               |
| Redox Potential Eh (mV) | <u>275</u>   |             |               |
| Turbidity (NTU)         | <u>1.1</u>   |             |               |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Heavy Metals              | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/>            |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

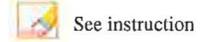
Comment

Arrived on site at 0555. Tanner and Garrin present for purge. Purge began at 0600. Purged well for a total of 600 minutes. Purge ended and samples were collected at 1600. water was clear  
 Left site at 1604

**MW-19 02-18-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-23\_03052014

Date and Time for Purging 2/26/2014

and Sampling (if different) 3/5/2014

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-36

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging 114.05

Casing Volume (V) 4" Well: 11.72 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 5°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1045</u>  | Gal. Purged | <u>22.88</u> |
| Conductance             | <u>3946</u>  | pH          | <u>6.87</u>  |
| Temp. °C                | <u>15.01</u> |             |              |
| Redox Potential Eh (mV) | <u>237</u>   |             |              |
| Turbidity (NTU)         | <u>5.0</u>   |             |              |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    |              | Gal. Purged |             |
| Conductance             | <u>3915</u>  | pH          | <u>6.46</u> |
| Temp. °C                | <u>14.80</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>1319</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>3916</u>  | pH          | <u>6.46</u> |
| Temp. °C                | <u>14.80</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>1317</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>3925</u>  | pH          | <u>6.52</u> |
| Temp. °C                | <u>14.85</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

Before

After

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$    $.208$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0850. Tanner and Garrin present for purge and sampling event. Purge began at 0855. Purged well for a total of 115 minutes. Purged well dry. Purge ended at 1050. Left site at 1052, water was mostly clear. Flow of water decreased throughout Purge until well ran dry. Arrived on site at 1311. Tanner and Garrin Present to collect sample. Depth to water was 124.35 sample collected at 1315 Left site at 1317

**MW-23 02-26-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event:

Location (well name):

Sampler Name and initials:

Field Sample ID

Date and Time for Purging

and Sampling (if different)

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event

Prev. Well Sampled in Sampling Event

pH Buffer 7.0

pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm

Well Depth(0.01ft):

Depth to Water Before Purging

Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.

Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1055"/>  | Gal. Purged | <input type="text" value="11.52"/> |
| Conductance             | <input type="text" value="4463"/>  | pH          | <input type="text" value="5.43"/>  |
| Temp. °C                | <input type="text" value="15.33"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="310"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="6.2"/>   |             |                                    |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                                    |             |                                   |
|-------------------------|------------------------------------|-------------|-----------------------------------|
| Time                    | <input type="text" value="0729"/>  | Gal. Purged | <input type="text" value="0"/>    |
| Conductance             | <input type="text" value="4411"/>  | pH          | <input type="text" value="5.92"/> |
| Temp. °C                | <input type="text" value="15.95"/> |             |                                   |
| Redox Potential Eh (mV) | <input type="text"/>               |             |                                   |
| Turbidity (NTU)         | <input type="text"/>               |             |                                   |

|                         |                                    |             |                                   |
|-------------------------|------------------------------------|-------------|-----------------------------------|
| Time                    | <input type="text" value="0734"/>  | Gal. Purged | <input type="text" value="0"/>    |
| Conductance             | <input type="text" value="4425"/>  | pH          | <input type="text" value="5.89"/> |
| Temp. °C                | <input type="text" value="14.00"/> |             |                                   |
| Redox Potential Eh (mV) | <input type="text"/>               |             |                                   |
| Turbidity (NTU)         | <input type="text"/>               |             |                                   |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Fluoride

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0950, Tanner and Garrin present for purge. Purge began at 0955, Purged well for a total of 60 minutes. Purged well dry! Flow rate decreased until well ran dry. water was mostly clear. Left site at 1100 Arrived on site at 0727, Tanner and Garrin present to collect samples. Depth to water was 113.97, samples collected at 0730. Left site at 0735

**MW-24 03-05-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1212"/>  | Gal. Purged | <input type="text" value="53.59"/> |
| Conductance             | <input type="text" value="3176"/>  | pH          | <input type="text" value="6.13"/>  |
| Temp. °C                | <input type="text" value="14.65"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="307"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="33"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1213"/>  | Gal. Purged | <input type="text" value="53.81"/> |
| Conductance             | <input type="text" value="3190"/>  | pH          | <input type="text" value="6.20"/>  |
| Temp. °C                | <input type="text" value="14.60"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="299"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="34"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1214"/>  | Gal. Purged | <input type="text" value="54.03"/> |
| Conductance             | <input type="text" value="3194"/>  | pH          | <input type="text" value="6.26"/>  |
| Temp. °C                | <input type="text" value="14.55"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="298"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="34"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1215"/>  | Gal. Purged | <input type="text" value="54.25"/> |
| Conductance             | <input type="text" value="3178"/>  | pH          | <input type="text" value="6.27"/>  |
| Temp. °C                | <input type="text" value="14.53"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="295"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="36"/>    |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

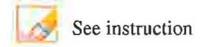
Comment

Arrived on site at 0800. Tanner and Garrin present for purge and sampling event.  
 Purge began at 0805. Purged well for a total of 250 minutes.  
 Purge ended and samples collected at 1215. water was a little murky  
 Left site at 1225

**MW-25 03-10-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: Quarterly Ground Water 2014 1st Quarter

Location (well name): MW-26 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26\_03122014

Date and Time for Purging 3/12/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Continuous

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 72.40 Casing Volume (V) 4" Well: 31.95 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 8°

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>1229</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>3348</u>  | pH          | <u>6.50</u> |
| Temp. °C                | <u>15.55</u> |             |             |
| Redox Potential Eh (mV) | <u>273</u>   |             |             |
| Turbidity (NTU)         | <u>0</u>     |             |             |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

Arrived on site at 1225 Tanner and Garrin present to collect samples  
 samples collected at 1230. water was clear. Left site at 1236

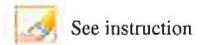
Continuous Pumping Well

MW-26 03-12-2014

Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1137"/>  | Gal. Purged | <input type="text" value="64.44"/> |
| Conductance             | <input type="text" value="1539"/>  | pH          | <input type="text" value="6.44"/>  |
| Temp. °C                | <input type="text" value="15.00"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="234"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1138"/>  | Gal. Purged | <input type="text" value="64.66"/> |
| Conductance             | <input type="text" value="1540"/>  | pH          | <input type="text" value="6.55"/>  |
| Temp. °C                | <input type="text" value="14.95"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="230"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1139"/>  | Gal. Purged | <input type="text" value="64.88"/> |
| Conductance             | <input type="text" value="1541"/>  | pH          | <input type="text" value="6.60"/>  |
| Temp. °C                | <input type="text" value="14.93"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="227"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1140"/>  | Gal. Purged | <input type="text" value="65.10"/> |
| Conductance             | <input type="text" value="1540"/>  | pH          | <input type="text" value="6.62"/>  |
| Temp. °C                | <input type="text" value="14.95"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="227"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics  
 Sulfat Chloride  
 TDS

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

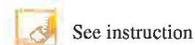
Comment

Arrived on site at 0635. Tanner and Garrin present for purge and sampling event. Purge began at 0640. Purged well for a total of 300 minutes, water was clear. Purge ended and samples collected at 1140. Left site at 1146

**MW-27 02-25-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-28 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-28\_02262014

Date and Time for Purging 2/26/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-15

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.80 Casing Volume (V) 4" Well: 22.33 (.653h)  
 3" Well: 6 (.367h)

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) 2°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1017</u>  | Gal. Purged | <u>44.91</u> |
| Conductance             | <u>3998</u>  | pH          | <u>6.13</u>  |
| Temp. °C                | <u>14.24</u> |             |              |
| Redox Potential Eh (mV) | <u>270</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1018</u>  | Gal. Purged | <u>45.13</u> |
| Conductance             | <u>3986</u>  | pH          | <u>6.04</u>  |
| Temp. °C                | <u>14.28</u> |             |              |
| Redox Potential Eh (mV) | <u>271</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1019</u>  | Gal. Purged | <u>45.35</u> |
| Conductance             | <u>3999</u>  | pH          | <u>6.03</u>  |
| Temp. °C                | <u>14.30</u> |             |              |
| Redox Potential Eh (mV) | <u>274</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1020</u>  | Gal. Purged | <u>45.57</u> |
| Conductance             | <u>3998</u>  | pH          | <u>6.01</u>  |
| Temp. °C                | <u>14.28</u> |             |              |
| Redox Potential Eh (mV) | <u>275</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

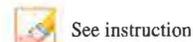
Comment

Arrived on site at 0647. Tanner and Garrin present for purge and sampling event. Purge began at 0650. Purged well for a total of 210 minutes. Water was clear. Purge ended and samples collected at 1020. Left site at 1025

**MW-28 02-26-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):

Sampler Name and initials:

Field Sample ID

Date and Time for Purging

and Sampling (if different)

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event

Prev. Well Sampled in Sampling Event

pH Buffer 7.0

pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm

Well Depth(0.01ft):

Depth to Water Before Purging

Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.

Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1322"/>  | Gal. Purged | <input type="text" value="34.06"/> |
| Conductance             | <input type="text" value="4001"/>  | pH          | <input type="text" value="6.77"/>  |
| Temp. °C                | <input type="text" value="15.05"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="200"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="68"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1323"/>  | Gal. Purged | <input type="text" value="34.28"/> |
| Conductance             | <input type="text" value="4052"/>  | pH          | <input type="text" value="6.79"/>  |
| Temp. °C                | <input type="text" value="15.11"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="200"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="70"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1324"/>  | Gal. Purged | <input type="text" value="34.50"/> |
| Conductance             | <input type="text" value="4101"/>  | pH          | <input type="text" value="6.81"/>  |
| Temp. °C                | <input type="text" value="15.08"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="197"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="72"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1325"/>  | Gal. Purged | <input type="text" value="34.72"/> |
| Conductance             | <input type="text" value="4199"/>  | pH          | <input type="text" value="6.78"/>  |
| Temp. °C                | <input type="text" value="15.07"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="198"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="74"/>    |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time   
 1325

 See instruction

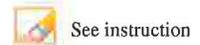
Comment

Arrived on site at 1041. Tanner and Garrin present for purge and sampling event  
 Purge began at 1045. Purged well for a total of 160 minutes  
 Purge ended and samples collected at 1325. Left site at 1331  
 water was a little murky

**MW-29 02-25-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1357"/>  | Gal. Purged | <input type="text" value="44.91"/> |
| Conductance             | <input type="text" value="2054"/>  | pH          | <input type="text" value="6.49"/>  |
| Temp. °C                | <input type="text" value="14.40"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="280"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1358"/>  | Gal. Purged | <input type="text" value="45.13"/> |
| Conductance             | <input type="text" value="2062"/>  | pH          | <input type="text" value="6.51"/>  |
| Temp. °C                | <input type="text" value="14.38"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="278"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1359"/>  | Gal. Purged | <input type="text" value="45.35"/> |
| Conductance             | <input type="text" value="2050"/>  | pH          | <input type="text" value="6.53"/>  |
| Temp. °C                | <input type="text" value="14.41"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="276"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1400"/>  | Gal. Purged | <input type="text" value="45.57"/> |
| Conductance             | <input type="text" value="2048"/>  | pH          | <input type="text" value="6.56"/>  |
| Temp. °C                | <input type="text" value="14.40"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="273"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1028. Tanner and Garrin present for purge and sampling event. Purge began at 1030. Purged well for a total of 210 minutes. Purge ended and samples collected at 1400. Left site at 1410 water was clear.

**MW-30 03-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):

Sampler Name and initials:

Field Sample ID

Date and Time for Purging

and Sampling (if different)

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event

Prev. Well Sampled in Sampling Event

pH Buffer 7.0

pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm

Well Depth(0.01ft):

Depth to Water Before Purging

Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.

Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1407"/>  | Gal. Purged | <input type="text" value="81.80"/> |
| Conductance             | <input type="text" value="2071"/>  | pH          | <input type="text" value="6.36"/>  |
| Temp. °C                | <input type="text" value="15.10"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="298"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="8.7"/>   |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1408"/>  | Gal. Purged | <input type="text" value="82.02"/> |
| Conductance             | <input type="text" value="2073"/>  | pH          | <input type="text" value="6.42"/>  |
| Temp. °C                | <input type="text" value="15.12"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="293"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="9.0"/>   |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1409"/>  | Gal. Purged | <input type="text" value="82.24"/> |
| Conductance             | <input type="text" value="2076"/>  | pH          | <input type="text" value="6.48"/>  |
| Temp. °C                | <input type="text" value="15.05"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="282"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="9.1"/>   |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1410"/>  | Gal. Purged | <input type="text" value="82.46"/> |
| Conductance             | <input type="text" value="2075"/>  | pH          | <input type="text" value="6.53"/>  |
| Temp. °C                | <input type="text" value="15.03"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="281"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="9.5"/>   |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0745. Tanner and Garrin present for purge and sampling event. Purge began at 0750. Purged well for a total of 380 minutes. Water was mostly clear. Purge ended and samples collected at 1410. Left site at 1421

**MW-31 03-10-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1232"/>  | Gal. Purged | <input type="text" value="77.46"/> |
| Conductance             | <input type="text" value="3828"/>  | pH          | <input type="text" value="6.01"/>  |
| Temp. °C                | <input type="text" value="14.51"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="249"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="60"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1233"/>  | Gal. Purged | <input type="text" value="77.68"/> |
| Conductance             | <input type="text" value="3851"/>  | pH          | <input type="text" value="6.10"/>  |
| Temp. °C                | <input type="text" value="14.32"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="232"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="58"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1234"/>  | Gal. Purged | <input type="text" value="77.90"/> |
| Conductance             | <input type="text" value="3849"/>  | pH          | <input type="text" value="6.11"/>  |
| Temp. °C                | <input type="text" value="14.26"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="225"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="56"/>    |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1235"/>  | Gal. Purged | <input type="text" value="78.12"/> |
| Conductance             | <input type="text" value="3847"/>  | pH          | <input type="text" value="6.15"/>  |
| Temp. °C                | <input type="text" value="14.28"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="214"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="58"/>    |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0630 Tanner and Garrin palmer present for purge and sampling event. Purge began at 0635, Purged well for a total of 360 minutes. water was a little murky. Purge ended and sample collected at 1235. Left site at 1240

**MW-32 02-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-35 Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-35\_03112014

Date and Time for Purging 3/11/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.29 Casing Volume (V) 4" Well: 7.97 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Clear and Windy Ext'l Amb. Temp. °C (prior sampling event) 7°

Time 1337 Gal. Purged 15.61

Conductance 4190 pH 6.24

Temp. °C 14.26

Redox Potential Eh (mV) 505

Turbidity (NTU) 0

Time 1338 Gal. Purged 15.83

Conductance 4181 pH 6.21

Temp. °C 14.25

Redox Potential Eh (mV) 501

Turbidity (NTU) 0

Time 1339 Gal. Purged 16.05

Conductance 4186 pH 6.30

Temp. °C 14.25

Redox Potential Eh (mV) 297

Turbidity (NTU) 0

Time 1340 Gal. Purged 16.27

Conductance 4189 pH 6.32

Temp. °C 14.25

Redox Potential Eh (mV) 295

Turbidity (NTU) 0

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

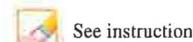
Comment

Arrived on site at 1220. Tanner and Garrin present for purge and sampling event. Purge began at 1225. Purged well for a total of 75 minutes. Purge ended and samples collected at 1340. water was clear. Left site at 1349

**MW-35 03-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-36\_02262014

Date and Time for Purging 2/26/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-28

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.45

Casing Volume (V) 4" Well: 7.28 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Clear

Ext'l Amb. Temp. °C (prior sampling event) 3°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0812</u>  | Gal. Purged | <u>15.62</u> |
| Conductance             | <u>4964</u>  | pH          | <u>6.63</u>  |
| Temp. °C                | <u>14.38</u> |             |              |
| Redox Potential Eh (mV) | <u>236</u>   |             |              |
| Turbidity (NTU)         | <u>1.5</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0813</u>  | Gal. Purged | <u>15.84</u> |
| Conductance             | <u>4952</u>  | pH          | <u>6.64</u>  |
| Temp. °C                | <u>14.30</u> |             |              |
| Redox Potential Eh (mV) | <u>234</u>   |             |              |
| Turbidity (NTU)         | <u>1.5</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0814</u>  | Gal. Purged | <u>16.05</u> |
| Conductance             | <u>4959</u>  | pH          | <u>6.63</u>  |
| Temp. °C                | <u>14.24</u> |             |              |
| Redox Potential Eh (mV) | <u>235</u>   |             |              |
| Turbidity (NTU)         | <u>1.4</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0815</u>  | Gal. Purged | <u>16.27</u> |
| Conductance             | <u>4948</u>  | pH          | <u>6.63</u>  |
| Temp. °C                | <u>14.30</u> |             |              |
| Redox Potential Eh (mV) | <u>232</u>   |             |              |
| Turbidity (NTU)         | <u>1.4</u>   |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

Arrived on site at 0657. Tanner and Garrin present for purge and sampling event  
 Purge began at 0700. Purged well for a total of 75 minutes.  
 Purge ended and samples collected at 0815. water was clear  
 Left site at 0830

MW-36 02-26-2014

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**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-36 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-36\_03052014

Date and Time for Purging 3/5/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-03A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.64 Casing Volume (V) 4" Well: 7.15 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 5°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0927</u>  | Gal. Purged | <u>14.53</u> |
| Conductance             | <u>4972</u>  | pH          | <u>6.58</u>  |
| Temp. °C                | <u>13.98</u> |             |              |
| Redox Potential Eh (mV) | <u>285</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |                            |             |              |
|-------------------------|----------------------------|-------------|--------------|
| Time                    | <u>0928</u>                | Gal. Purged | <u>14.75</u> |
| Conductance             | <u>4866</u><br><u>4965</u> | pH          | <u>6.58</u>  |
| Temp. °C                | <u>13.95</u>               |             |              |
| Redox Potential Eh (mV) | <u>281</u>                 |             |              |
| Turbidity (NTU)         | <u>0</u>                   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0929</u>  | Gal. Purged | <u>14.97</u> |
| Conductance             | <u>4963</u>  | pH          | <u>6.59</u>  |
| Temp. °C                | <u>13.98</u> |             |              |
| Redox Potential Eh (mV) | <u>280</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0930</u>  | Gal. Purged | <u>15.19</u> |
| Conductance             | <u>4969</u>  | pH          | <u>6.59</u>  |
| Temp. °C                | <u>14.00</u> |             |              |
| Redox Potential Eh (mV) | <u>278</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

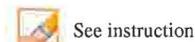
Arrived on site at 0816. Tanner and Garrin present for purge and sampling event  
 Purge began at 0820. Purged well for a total of 70 minutes.  
 water was clear. Purge ended and samples collected at 0930  
 Left site at 0948

MW-36 03-05-2014

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**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014 Resample

Location (well name): MW-36 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-36\_03252014

Date and Time for Purging 3/25/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event N/A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.50 Casing Volume (V) 4" Well: 7.24 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) 1°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0827</u>  | Gal. Purged | <u>15.62</u> |
| Conductance             | <u>4963</u>  | pH          | <u>5.75</u>  |
| Temp. °C                | <u>13.89</u> |             |              |
| Redox Potential Eh (mV) | <u>506</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0828</u>  | Gal. Purged | <u>15.84</u> |
| Conductance             | <u>4962</u>  | pH          | <u>5.78</u>  |
| Temp. °C                | <u>13.90</u> |             |              |
| Redox Potential Eh (mV) | <u>504</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0829</u>  | Gal. Purged | <u>16.05</u> |
| Conductance             | <u>4965</u>  | pH          | <u>5.79</u>  |
| Temp. °C                | <u>14.00</u> |             |              |
| Redox Potential Eh (mV) | <u>502</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0830</u>  | Gal. Purged | <u>16.27</u> |
| Conductance             | <u>4963</u>  | pH          | <u>5.80</u>  |
| Temp. °C                | <u>13.98</u> |             |              |
| Redox Potential Eh (mV) | <u>501</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                 |                                     | Preservative Type | Preservative Added       |                                     |
|---------------------------|-------------------------------------|--------------------------|--|--------------------------|-------------------------------------|-------------------|--------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                        | N                                   |                   | Y                        | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/> | <input type="checkbox"/>            | HCL               | <input type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/> | <input type="checkbox"/>            |                   | <input type="checkbox"/> | <input type="checkbox"/>            |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

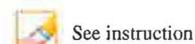
Arrived on site at 0710 Tanner and Garrin present for purge and sampling event.  
 Purge began at 0715. Purged well for a total of 75 minutes, water was clear  
 Purge ended and sample collected at 0730 0830. Left site at 0834

MW-36 03-25-2014

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**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-37 Sampler Name and initials: Tanner Holiday/TH

Field Sample ID MW-37\_03202014

Date and Time for Purging 3/4/2014 and Sampling (if different) 3/20/2014

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) N/A

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-03

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.80

Depth to Water Before Purging 106.74 Casing Volume (V) 4" Well: 9.83 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 10°

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>1207</u>  | Gal. Purged | <u>5</u>    |
| Conductance             | <u>4447</u>  | pH          | <u>6.62</u> |
| Temp. °C                | <u>14.44</u> |             |             |
| Redox Potential Eh (mV) | <u>252</u>   |             |             |
| Turbidity (NTU)         | <u>31</u>    |             |             |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>0800</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>4418</u>  | pH          | <u>6.78</u> |
| Temp. °C                | <u>14.01</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>0806</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>4430</u>  | pH          | <u>6.76</u> |
| Temp. °C                | <u>13.99</u> |             |             |
| Redox Potential Eh (mV) |              |             |             |
| Turbidity (NTU)         |              |             |             |

Before

After

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

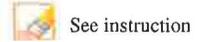
Comment

Arrived on site at 1157. Tanner and Garrin present for bailing. Started bailing well at 1200. Bailed 5 Gallons Then took a set of parameters straight from 5 Gallon bucket. Continued to bail well until well ran dry, bailed a total of 14 Gallons. Left site at 1218 Arrived on site at 0756. Tanner and Garrin present to collect samples. Depth to water was 116.73 samples bailed at 0800. Left site at 0808

**MW-37 03-04-2014** Do not touch this cell (SheetName)



ATTACHMENT 1-2  
WHITE MESA URANIUM MILL  
FIELD DATA WORKSHEET FOR GROUNDWATER



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-70 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70\_02262014

Date and Time for Purging: 2/26/2014 and Sampling (if different): N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet): QED

Purging Method Used:  2 casings  3 casings

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.45 Casing Volume (V) 4" Well: 7.28 (.653h)  
3" Well: 0 (.367h)

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) 3°

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
|                           |                                     |                          |  |                                     |                                     |                   |                                     |                                     |
|                           |                                     |                          |  |                                     |                                     |                   |                                     |                                     |
|                           |                                     |                          |  |                                     |                                     |                   |                                     |                                     |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

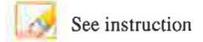
Comment

Duplicate of MW-36

**MW-70 02-26-2014** Do not touch this cell (SheetName)



ATTACHMENT 1-2  
WHITE MESA URANIUM MILL  
FIELD DATA WORKSHEET FOR GROUNDWATER



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-70 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-70\_03052014

Date and Time for Purging 3/5/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-03A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.64 Casing Volume (V) 4" Well: 7.15 (.653h)  
3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 5°

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-36

**MW-70 03-05-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                 |                                     | Preservative Type | Preservative Added       |                                     |
|---------------------------|-------------------------------------|--------------------------|--|--------------------------|-------------------------------------|-------------------|--------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                        | N                                   |                   | Y                        | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/> | <input type="checkbox"/>            | HCL               | <input type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | H2SO4             | <input type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/> | <input type="checkbox"/>            |                   | <input type="checkbox"/> | <input type="checkbox"/>            |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

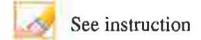
Comment

Duplicate of MW-36  
 Resample.

**MW-70 03-25-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

*Duplicate of MW-14*

**MW-75 03-11-2014** Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

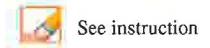
Tab C1

Field Data Worksheets Accelerated Monitoring

January 2014



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-11 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-11\_01082014

Date and Time for Purging 1/8/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 86.81 Casing Volume (V) 4" Well: 28.20 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -5°

Time 1207 Gal. Purged 55.76

Conductance 2885 pH 7.78

Temp. °C 14.38

Redox Potential Eh (mV) 248

Turbidity (NTU) 0

Time 1208 Gal. Purged 55.98

Conductance 2878 pH 7.74

Temp. °C 14.32

Redox Potential Eh (mV) 239

Turbidity (NTU) 0

Time 1209 Gal. Purged 56.20

Conductance 2883 pH 7.75

Temp. °C 14.50

Redox Potential Eh (mV) 230

Turbidity (NTU) 0

Time 1210 Gal. Purged 56.42

Conductance 2879 pH 7.77

Temp. °C 14.59

Redox Potential Eh (mV) 225

Turbidity (NTU) 0

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

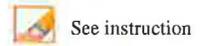
Comment

Arrived on site at 0745 Tanner and Garrin present for purge. Purge began at 0750. Purged well for a total of ~~260~~ 260 minutes. Water was clear. Purge ended at 1210 and samples were collected. Left site at 1213.

**MW-11 01-08-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-14 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-14-01082013 MW-14\_01082014

Date and Time for Purging 1/8/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.40 Casing Volume (V) 4" Well: 16.52 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 3°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1452</u>  | Gal. Purged | <u>32.98</u> |
| Conductance             | <u>3920</u>  | pH          | <u>6.61</u>  |
| Temp. °C                | <u>14.14</u> |             |              |
| Redox Potential Eh (mV) | <u>388</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1453</u>  | Gal. Purged | <u>33.20</u> |
| Conductance             | <u>3906</u>  | pH          | <u>6.61</u>  |
| Temp. °C                | <u>14.16</u> |             |              |
| Redox Potential Eh (mV) | <u>392</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1454</u>  | Gal. Purged | <u>33.41</u> |
| Conductance             | <u>3901</u>  | pH          | <u>6.61</u>  |
| Temp. °C                | <u>14.20</u> |             |              |
| Redox Potential Eh (mV) | <u>391</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1455</u>  | Gal. Purged | <u>33.63</u> |
| Conductance             | <u>3910</u>  | pH          | <u>6.60</u>  |
| Temp. °C                | <u>14.19</u> |             |              |
| Redox Potential Eh (mV) | <u>399</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

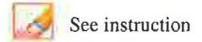
Comment

Arrived on site at 1217. Tanner and Garrin present for purge and sampling event. Purge began at 1220. Purged well for a total of 155 minutes. Purge ended and samples collected at 1455. water was clear. Left site at 1500

Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-25 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-25\_01072014

Date and Time for Purging 1/7/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GD Prev. Well Sampled in Sampling Event MW-31

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging 73.70 Casing Volume (V) 4" Well: 26.96 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly cloudy Ext'l Amb. Temp. °C (prior sampling event) -3°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1257</u>  | Gal. Purged | <u>53.59</u> |
| Conductance             | <u>3190</u>  | pH          | <u>6.42</u>  |
| Temp. °C                | <u>14.34</u> |             |              |
| Redox Potential Eh (mV) | <u>490</u>   |             |              |
| Turbidity (NTU)         | <u>27</u>    |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1258</u>  | Gal. Purged | <u>53.81</u> |
| Conductance             | <u>3192</u>  | pH          | <u>6.40</u>  |
| Temp. °C                | <u>14.25</u> |             |              |
| Redox Potential Eh (mV) | <u>489</u>   |             |              |
| Turbidity (NTU)         | <u>31</u>    |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1259</u>  | Gal. Purged | <u>54.03</u> |
| Conductance             | <u>3195</u>  | pH          | <u>6.39</u>  |
| Temp. °C                | <u>14.23</u> |             |              |
| Redox Potential Eh (mV) | <u>489</u>   |             |              |
| Turbidity (NTU)         | <u>32</u>    |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1300</u>  | Gal. Purged | <u>54.25</u> |
| Conductance             | <u>3180</u>  | pH          | <u>6.37</u>  |
| Temp. °C                | <u>14.24</u> |             |              |
| Redox Potential Eh (mV) | <u>489</u>   |             |              |
| Turbidity (NTU)         | <u>32</u>    |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

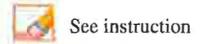
Comment

Arrived on site at 0845. Tanner and Garrin present for purge and sampling event. Purge began at 0850. Purged well for a total of 250 minutes. Purge ended and samples collected at 1300. Water was mostly clear. Left site at 1305

Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                   |
|-------------------------|------------------------------------|-------------|-----------------------------------|
| Time                    | <input type="text" value="1429"/>  | Gal. Purged | <input type="text" value="0"/>    |
| Conductance             | <input type="text" value="3494"/>  | pH          | <input type="text" value="6.80"/> |
| Temp. °C                | <input type="text" value="14.24"/> |             |                                   |
| Redox Potential Eh (mV) | <input type="text" value="345"/>   |             |                                   |
| Turbidity (NTU)         | <input type="text" value="3.9"/>   |             |                                   |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

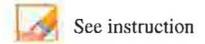
Comment

Arrived on site at 1425. Tanner and Garrin present to collect samples. Samples collected at 1430. water was clear. Left site at 1435.  
 Continuous Pumping Well.

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**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-30 Sampler Name and initials: Tanner Holliday TH

Field Sample ID MW-30\_01082014

Date and Time for Purging 1/8/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.20 Casing Volume (V) 4" Well: 22.72 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -1°

Time 1342 Gal. Purged 44.91

Conductance 2051 pH 6.72

Temp. °C 14.47

Redox Potential Eh (mV) 416

Turbidity (NTU) 0

Time 1343 Gal. Purged 45.13

Conductance 2038 pH 6.71

Temp. °C 14.37

Redox Potential Eh (mV) 419

Turbidity (NTU) 0

Time 1344 Gal. Purged 45.35

Conductance 2050 pH 6.71

Temp. °C 14.44

Redox Potential Eh (mV) 413

Turbidity (NTU) 0

Time 1345 Gal. Purged 45.57

Conductance 2043 pH 6.74

Temp. °C 14.36

Redox Potential Eh (mV) 410

Turbidity (NTU) 0

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Chloride

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1010. Tanner and Garrin present for purge and sampling event.  
 Purge began at 1015. Purged well for a total of 210 minutes.  
 water was clear. Purge ended and samples collected at 1345.  
 Left site at 1351

MW-30 01-08-2014

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**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-31 Sampler Name and initials: Tanner Holiday/TH

Field Sample ID: MW-31-01072014

Date and Time for Purging: 1/7/2014 and Sampling (if different): N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet): QED

Purging Method Used:  2 casings  3 casings

Sampling Event: Monthly G-W Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.74 Casing Volume (V) 4" Well: 40.65 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -4°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1457</u>  | Gal. Purged | <u>81.80</u> |
| Conductance             | <u>2105</u>  | pH          | <u>7.08</u>  |
| Temp. °C                | <u>13.30</u> |             |              |
| Redox Potential Eh (mV) | <u>493</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1458</u>  | Gal. Purged | <u>82.02</u> |
| Conductance             | <u>2089</u>  | pH          | <u>7.10</u>  |
| Temp. °C                | <u>13.60</u> |             |              |
| Redox Potential Eh (mV) | <u>494</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1459</u>  | Gal. Purged | <u>82.24</u> |
| Conductance             | <u>2075</u>  | pH          | <u>7.11</u>  |
| Temp. °C                | <u>13.59</u> |             |              |
| Redox Potential Eh (mV) | <u>496</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1500</u>  | Gal. Purged | <u>82.46</u> |
| Conductance             | <u>2083</u>  | pH          | <u>7.13</u>  |
| Temp. °C                | <u>13.69</u> |             |              |
| Redox Potential Eh (mV) | <u>498</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 =$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/>            | HCL               | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Gross Alpha               | <input type="checkbox"/>            | <input type="checkbox"/> | 1,000 ml   | <input type="checkbox"/>            | <input type="checkbox"/>            | HNO3              | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0833. Tanner and Garrin present for purge and sampling event. Purge began at 0840. Purged well for a total of 380 minutes. Purge ended and Samples collected at 1500. water was clear. Left site at 1507

**MW-31 01-07-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-35 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-35\_01082014

Date and Time for Purging 1/8/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.24 Casing Volume (V) 4" Well: 8.00 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -4°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0957</u>  | Gal. Purged | <u>15.62</u> |
| Conductance             | <u>3793</u>  | pH          | <u>6.55</u>  |
| Temp. °C                | <u>18.10</u> |             |              |
| Redox Potential Eh (mV) | <u>315</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0958</u>  | Gal. Purged | <u>15.84</u> |
| Conductance             | <u>3801</u>  | pH          | <u>6.52</u>  |
| Temp. °C                | <u>18.09</u> |             |              |
| Redox Potential Eh (mV) | <u>371</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0959</u>  | Gal. Purged | <u>16.05</u> |
| Conductance             | <u>3790</u>  | pH          | <u>6.54</u>  |
| Temp. °C                | <u>18.05</u> |             |              |
| Redox Potential Eh (mV) | <u>378</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1000</u>  | Gal. Purged | <u>16.27</u> |
| Conductance             | <u>3791</u>  | pH          | <u>6.56</u>  |
| Temp. °C                | <u>18.01</u> |             |              |
| Redox Potential Eh (mV) | <u>370</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologies | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0840. Tanner and Garrin present for purge and sampling event. Purge began at 0845. Purged well for a total of 75 Minutes. Water was clear. Purge ended and samples collected at 1000. Left site at 1008

**MW-35 01-08-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: January Monthly Ground Water 2014

Location (well name): MW-65 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65\_01082014

Date and Time for Purging 1/8/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.24 Casing Volume (V) 4" Well: 8.00 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -4°

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                          | Preservative Type | Preservative Added                  |                          |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|--------------------------|-------------------|-------------------------------------|--------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                        |                   | Y                                   | N                        |
| VOCs                      | <input type="checkbox"/>            | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input type="checkbox"/> | HCL               | <input type="checkbox"/>            | <input type="checkbox"/> |
| Nutrients                 | <input type="checkbox"/>            | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | H2SO4             | <input type="checkbox"/>            | <input type="checkbox"/> |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| All Other Non Radiologics | <input type="checkbox"/>            | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Other (specify)           | <input type="checkbox"/>            | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input type="checkbox"/> |                   | <input type="checkbox"/>            | <input type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-35

MW-65 01-08-2014 Do not touch this cell (SheetName)

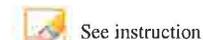
Tab C2

Field Data Worksheets Accelerated Monitoring

February 2014



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday AH

Field Sample ID MW-11-02242014

Date and Time for Purging 2/24/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 86.75

Casing Volume (V) 4" Well: 28.24 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Clear

Ext'l Amb. Temp. °C (prior sampling event) -2°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1127</u>  | Gal. Purged | <u>57.93</u> |
| Conductance             | <u>2924</u>  | pH          | <u>6.92</u>  |
| Temp. °C                | <u>14.48</u> |             |              |
| Redox Potential Eh (mV) | <u>243</u>   |             |              |
| Turbidity (NTU)         | <u>7.8</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1128</u>  | Gal. Purged | <u>58.15</u> |
| Conductance             | <u>2935</u>  | pH          | <u>7.02</u>  |
| Temp. °C                | <u>14.49</u> |             |              |
| Redox Potential Eh (mV) | <u>238</u>   |             |              |
| Turbidity (NTU)         | <u>7.9</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1129</u>  | Gal. Purged | <u>58.37</u> |
| Conductance             | <u>2933</u>  | pH          | <u>7.04</u>  |
| Temp. °C                | <u>14.46</u> |             |              |
| Redox Potential Eh (mV) | <u>232</u>   |             |              |
| Turbidity (NTU)         | <u>7.9</u>   |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1130</u>  | Gal. Purged | <u>58.59</u> |
| Conductance             | <u>2933</u>  | pH          | <u>7.08</u>  |
| Temp. °C                | <u>14.45</u> |             |              |
| Redox Potential Eh (mV) | <u>227</u>   |             |              |
| Turbidity (NTU)         | <u>8.0</u>   |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0655. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 270 minutes. Purge ended and samples collect at 1130. water was clear. Left site at 1140

Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-14\_02242014

Date and Time for Purging 2/24/2014

and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-01

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.40

Casing Volume (V) 4" Well: 16.52 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. clear

Ext'l Amb. Temp. °C (prior sampling event) -2°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0927</u>  | Gal. Purged | <u>34.06</u> |
| Conductance             | <u>3927</u>  | pH          | <u>6.09</u>  |
| Temp. °C                | <u>14.46</u> |             |              |
| Redox Potential Eh (mV) | <u>281</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0928</u>  | Gal. Purged | <u>34.28</u> |
| Conductance             | <u>3932</u>  | pH          | <u>6.11</u>  |
| Temp. °C                | <u>14.41</u> |             |              |
| Redox Potential Eh (mV) | <u>278</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0929</u>  | Gal. Purged | <u>34.50</u> |
| Conductance             | <u>3929</u>  | pH          | <u>6.13</u>  |
| Temp. °C                | <u>14.39</u> |             |              |
| Redox Potential Eh (mV) | <u>275</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>0930</u>  | Gal. Purged | <u>34.72</u> |
| Conductance             | <u>3932</u>  | pH          | <u>6.16</u>  |
| Temp. °C                | <u>14.28</u> |             |              |
| Redox Potential Eh (mV) | <u>272</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

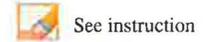
Comment

Arrived on site at 0646. Tanner and Garrin present for purge and sampling event.  
 Purge began at 0650. Purged well for a total of 160 minutes  
 Purge ended and samples collected at 0930. Left site at 0940  
 water was clear

**MW-14 02-24-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1<sup>st</sup> Quarter Ground Water 2014

Location (well name): MW-25 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-25\_02132014

Date and Time for Purging: 2/13/2014 and Sampling (if different): N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet): QED

Purging Method Used:  2 casings  3 casings

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-05

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 73.75 Casing Volume (V) 4" Well: 26.93 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 5°

Time 53:59 Gal. Purged 53.59  
1402  
 Conductance 3137 pH 6.08  
 Temp. °C 14.95  
 Redox Potential Eh (mV) 316  
 Turbidity (NTU) 38

Time 1403 Gal. Purged 53.81  
 Conductance 3181 pH 6.08  
 Temp. °C 14.99  
 Redox Potential Eh (mV) 309  
 Turbidity (NTU) 39

Time 1404 Gal. Purged 54.03  
 Conductance 3192 pH 6.06  
 Temp. °C 14.89  
 Redox Potential Eh (mV) 309  
 Turbidity (NTU) 39

Time 1405 Gal. Purged 54.25  
 Conductance 3185 pH 6.10  
 Temp. °C 14.90  
 Redox Potential Eh (mV) 14.90 302  
 Turbidity (NTU) 40

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

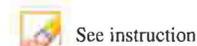
Arrived on site at 0950. Turner and Garrin present for purge and sampling event. Purge began at 0955. Purged well for a total of 250 minutes. Purge ended and samples collected at 1405. Water was a little murky. Left site at 1415.

**MW-25 02-13-2014**

Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-26-027 MW-26 Sampler Name and initials: Tanner Holliday/TJ

Field Sample ID MW-26\_02242014

Date and Time for Purging 2/24/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Continuous

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 68.15 Casing Volume (V) 4" Well: 34.72 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 12°

|                         |              |             |             |
|-------------------------|--------------|-------------|-------------|
| Time                    | <u>1435</u>  | Gal. Purged | <u>0</u>    |
| Conductance             | <u>3669</u>  | pH          | <u>6.78</u> |
| Temp. °C                | <u>16.42</u> |             |             |
| Redox Potential Eh (mV) | <u>228</u>   |             |             |
| Turbidity (NTU)         | <u>1.5</u>   |             |             |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

|                         |  |             |  |
|-------------------------|--|-------------|--|
| Time                    |  | Gal. Purged |  |
| Conductance             |  | pH          |  |
| Temp. °C                |  |             |  |
| Redox Potential Eh (mV) |  |             |  |
| Turbidity (NTU)         |  |             |  |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth   
103.41

Sample Time

 See instruction

Comment

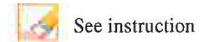
Arrived on site at 1431 Tanner and Garin present for sampling event.  
 samples pulled at 1435, water was clear. Left site at 1440

Continuous Pumping Well

**MW-26 02-24-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1027"/>  | Gal. Purged | <input type="text" value="46.00"/> |
| Conductance             | <input type="text" value="2062"/>  | pH          | <input type="text" value="6.78"/>  |
| Temp. °C                | <input type="text" value="14.12"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="241"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1028"/>  | Gal. Purged | <input type="text" value="46.22"/> |
| Conductance             | <input type="text" value="2057"/>  | pH          | <input type="text" value="6.80"/>  |
| Temp. °C                | <input type="text" value="14.20"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="238"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1029"/>  | Gal. Purged | <input type="text" value="46.43"/> |
| Conductance             | <input type="text" value="2054"/>  | pH          | <input type="text" value="6.80"/>  |
| Temp. °C                | <input type="text" value="14.24"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="237"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1030"/>  | Gal. Purged | <input type="text" value="46.65"/> |
| Conductance             | <input type="text" value="2058"/>  | pH          | <input type="text" value="6.80"/>  |
| Temp. °C                | <input type="text" value="14.23"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="236"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0651. Tanner and Garrin present for purge and sampling event.  
 Purge began at 0655. Purged well for a total of 215 minutes  
 Purge ended and samples collected at 1030. Water was clear  
 Left site at 1040

**MW-30 02-25-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



See instruction

Description of Sampling Event: 1st Quarter Ground Water 2014

Location (well name): MW-31 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-31-02172014

Date and Time for Purging 2/17/2014 and Sampling (if different) N/A

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) QED

Purging Method Used:  2 casings  3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999  $\mu$ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 67.80 Casing Volume (V) 4" Well: 40.61 (.653h)  
 3" Well: 0 (.367h)

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) -2°

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1302</u>  | Gal. Purged | <u>81.80</u> |
| Conductance             | <u>2080</u>  | pH          | <u>6.45</u>  |
| Temp. °C                | <u>14.61</u> |             |              |
| Redox Potential Eh (mV) | <u>287</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1303</u>  | Gal. Purged | <u>82.02</u> |
| Conductance             | <u>2078</u>  | pH          | <u>6.45</u>  |
| Temp. °C                | <u>14.58</u> |             |              |
| Redox Potential Eh (mV) | <u>281</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1304</u>  | Gal. Purged | <u>82.24</u> |
| Conductance             | <u>2077</u>  | pH          | <u>6.45</u>  |
| Temp. °C                | <u>14.56</u> |             |              |
| Redox Potential Eh (mV) | <u>277</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

|                         |              |             |              |
|-------------------------|--------------|-------------|--------------|
| Time                    | <u>1305</u>  | Gal. Purged | <u>82.46</u> |
| Conductance             | <u>2073</u>  | pH          | <u>6.45</u>  |
| Temp. °C                | <u>14.53</u> |             |              |
| Redox Potential Eh (mV) | <u>275</u>   |             |              |
| Turbidity (NTU)         | <u>0</u>     |             |              |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 =

Time to evacuate two casing volumes (2V)  
T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

*General Inorg.*  
*General Inorganics*

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

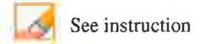
Comment

Arrived on site at 0640. Tanner and Garrin present for purge and sampling event. Purge began at 0645. Purged well for a total of 380 minutes. Purge ended and samples collected at 1305. water was clear. Left site at 1315

**MW-31 02-17-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):  Sampler Name and initials:

Field Sample ID

Date and Time for Purging  and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event  Prev. Well Sampled in Sampling Event

pH Buffer 7.0  pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm Well Depth(0.01ft):

Depth to Water Before Purging  Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.  Ext'l Amb. Temp. °C (prior sampling event)

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1402"/>  | Gal. Purged | <input type="text" value="15.62"/> |
| Conductance             | <input type="text" value="4175"/>  | pH          | <input type="text" value="5.98"/>  |
| Temp. °C                | <input type="text" value="14.61"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="358"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1403"/>  | Gal. Purged | <input type="text" value="15.84"/> |
| Conductance             | <input type="text" value="4179"/>  | pH          | <input type="text" value="6.01"/>  |
| Temp. °C                | <input type="text" value="14.40"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="351"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1404"/>  | Gal. Purged | <input type="text" value="16.05"/> |
| Conductance             | <input type="text" value="4171"/>  | pH          | <input type="text" value="6.05"/>  |
| Temp. °C                | <input type="text" value="14.28"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="343"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

|                         |                                    |             |                                    |
|-------------------------|------------------------------------|-------------|------------------------------------|
| Time                    | <input type="text" value="1405"/>  | Gal. Purged | <input type="text" value="16.27"/> |
| Conductance             | <input type="text" value="4179"/>  | pH          | <input type="text" value="6.07"/>  |
| Temp. °C                | <input type="text" value="14.27"/> |             |                                    |
| Redox Potential Eh (mV) | <input type="text" value="338"/>   |             |                                    |
| Turbidity (NTU)         | <input type="text" value="0"/>     |             |                                    |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time

 See instruction

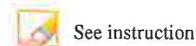
Comment

Arrived on site at 1245. Tanner and Garrin present for purge and sampling event. Purge began at 1250. Purged well for a total of 75 minutes. water was clear. Purge ended and samples collected at 1405. Left site at 1416

**MW-35 02-11-2014** Do not touch this cell (SheetName)



**ATTACHMENT 1-2  
 WHITE MESA URANIUM MILL  
 FIELD DATA WORKSHEET FOR GROUNDWATER**



Description of Sampling Event:

Location (well name):

Sampler Name and initials:

Field Sample ID

Date and Time for Purging

and Sampling (if different)

Well Purging Equip Used:  pump or  bailer

Well Pump (if other than Bennet)

Purging Method Used:  2 casings  3 casings

Sampling Event

Prev. Well Sampled in Sampling Event

pH Buffer 7.0

pH Buffer 4.0

Specific Conductance   $\mu$ MHOS/ cm

Well Depth(0.01ft):

Depth to Water Before Purging

Casing Volume (V) 4" Well:  (.653h)  
 3" Well:  (.367h)

Weather Cond.

Ext'l Amb. Temp. °C (prior sampling event)

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

|                         |                      |             |                      |
|-------------------------|----------------------|-------------|----------------------|
| Time                    | <input type="text"/> | Gal. Purged | <input type="text"/> |
| Conductance             | <input type="text"/> | pH          | <input type="text"/> |
| Temp. °C                | <input type="text"/> |             |                      |
| Redox Potential Eh (mV) | <input type="text"/> |             |                      |
| Turbidity (NTU)         | <input type="text"/> |             |                      |

Volume of Water Purged  gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 S/60 =

Time to evacuate two casing volumes (2V)  
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

| Type of Sample            | Sample Taken                        |                          | Sample Vol (indicate if other than as specified below) | Filtered                            |                                     | Preservative Type | Preservative Added                  |                                     |
|---------------------------|-------------------------------------|--------------------------|--|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|-------------------------------------|
|                           | Y                                   | N                        |  | Y                                   | N                                   |                   | Y                                   | N                                   |
| VOCs                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3x40 ml  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | HCL               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Nutrients                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 100 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | H2SO4             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Heavy Metals              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| All Other Non Radiologies | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 250 ml   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | No Preserv.       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Gross Alpha               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,000 ml   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | HNO3              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Other (specify)           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample volume  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

General Inorganics

If preservative is used, specify Type and Quantity of Preservative:

Final Depth

Sample Time



See instruction

Comment

Duplicate of MW-30

MW-65 02-25-2014

Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday, Clayton Most

DATE: 3/27/2014

| TIME | WELL  | Static level | TIME | WELL   | Static Level | TIME | WELL   | Static Level | TIME | WELL  | Static Level |
|------|-------|--------------|------|--------|--------------|------|--------|--------------|------|-------|--------------|
| 1309 | MW-1  | 63.81        | 718  | MW-4   | 70.42        | 1421 | PIEZ-1 | 63.16        | NA   | DR-1  | ABANDON      |
| 1438 | MW-2  | 109.80       | 755  | TW4-1  | 65.38        | 1237 | PIEZ-2 | 33.62        | NA   | DR-2  | ABANDON      |
| 1456 | MW-3  | 82.67        | 759  | TW4-2  | 65.80        | 1415 | PIEZ-3 | 45.16        |      |       |              |
| 1457 | MW-3A | 84.61        | 744  | TW4-3  | 52.61        | 1508 | PIEZ-4 | 51.81        |      |       |              |
| 1443 | MW-5  | 106.05       | 1050 | TW4-4  | 69.38        | 1510 | PIEZ-5 | 49.80        | 1232 | DR-5  | 82.83        |
| 1438 | MW-11 | 86.40        | 739  | TW4-5  | 61.26        | 1431 | TWN-1  | 58.06        | 1229 | DR-6  | 94.29        |
| 1445 | MW-12 | 108.20       | 804  | TW4-6  | 69.13        | 702  | TWN-2  | 28.90        | 1446 | DR-7  | 92.10        |
| 1452 | MW-14 | 103.30       | 751  | TW4-7  | 65.67        | 1224 | TWN-3  | 36.50        | 1237 | DR-8  | 51.02        |
| 1453 | MW-15 | 106.18       | 942  | TW4-8  | 65.02        | 1230 | TWN-4  | 50.02        | 1240 | DR-9  | 86.25        |
| 1500 | MW-17 | 72.40        | 741  | TW4-9  | 58.98        |      | TWN-5  | Abandon      | 1242 | DR-10 | 77.91        |
| 1426 | MW-18 | 70.67        | 736  | TW4-10 | 58.88        | 1423 | TWN-6  | 76.44        | 1453 | DR-11 | 98.20        |
| 1418 | MW-19 | 58.31        | 801  | TW4-11 | 58.59        | 1428 | TWN-7  | 86.41        | 1451 | DR-12 | 90.08        |
| 1306 | MW-20 | 85.95        | 818  | TW4-12 | 42.56        |      | TWN-8  | Abandon      | 1449 | DR-13 | 69.55        |
| 1321 | MW-22 | 66.55        | 829  | TW4-13 | 47.04        |      | TWN-9  | Abandon      | 1249 | DR-14 | 76.08        |
| 1442 | MW-23 | 116.60       | 831  | TW4-14 | 84.02        |      | TWN-10 | Abandon      | 1246 | DR-15 | 92.65        |
| 1436 | MW-24 | 113.74       | 704  | TW4-15 | 68.80        |      | TWN-11 | Abandon      | NA   | DR-16 | ABANDON      |
| 955  | MW-25 | 73.44        | 947  | TW4-16 | 62.85        |      | TWN-12 | Abandon      | 1251 | DR-17 | 64.62        |
| 704  | MW-26 | 68.80        | 951  | TW4-17 | 74.27        |      | TWN-13 | Abandon      | NA   | DR-18 | ABANDON      |
| 727  | MW-27 | 52.59        | 1204 | TW4-18 | 62.02        | 1253 | TWN-14 | 61.62        | 1254 | DR-19 | 63.00        |
| 1433 | MW-28 | 75.59        | 700  | TW4-19 | 66.28        |      | TWN-15 | Abandon      | 1256 | DR-20 | 55.02        |
| 1034 | MW-29 | 100.98       | 712  | TW4-20 | 67.36        | 1259 | TWN-16 | 46.99        | 1303 | DR-21 | 100.98       |
| 1030 | MW-30 | 74.73        | 1208 | TW4-21 | 63.34        |      | TWN-17 | Abandon      | 1315 | DR-22 | DRY          |
| 1436 | MW-31 | 67.45        | 709  | TW4-22 | 59.64        | 1218 | TWN-18 | 58.58        | 1300 | DR-23 | 70.30        |
| 951  | MW-32 | 74.27        | 807  | TW4-23 | 65.02        | 1150 | TWN-19 | 52.48        | 1313 | DR-24 | 43.80        |
| 1002 | MW-33 | DRY          | 708  | TW4-24 | 65.50        |      |        |              | NA   | DR-25 | ABANDON      |
| 1459 | MW-34 | 107.79       | 710  | TW4-25 | 60.12        |      |        |              |      |       |              |
| 1443 | MW-35 | 112.22       | 811  | TW4-26 | 63.15        |      |        |              |      |       |              |
| 1514 | MW-36 | 110.50       | 929  | TW4-27 | 80.39        |      |        |              |      |       |              |
| 1456 | MW-37 | 113.85       | 821  | TW4-28 | 37.17        |      |        |              |      |       |              |
|      |       |              | 838  | TW4-29 | 71.72        |      |        |              |      |       |              |
|      |       |              | 843  | TW4-30 | 76.83        |      |        |              |      |       |              |
|      |       |              | 919  | TW4-31 | 82.33        |      |        |              |      |       |              |
|      |       |              | 823  | TW4-32 | 48.60        |      |        |              |      |       |              |
|      |       |              | 840  | TW4-33 | 70.24        |      |        |              |      |       |              |
|      |       |              | 835  | TW4-34 | 69.45        |      |        |              |      |       |              |

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Tab E

Laboratory Analytical Reports – Quarterly Sampling



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-001  
**Client Sample ID:** MW-01\_02202014  
**Collection Date:** 2/20/2014 930h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared |       | Date Analyzed |      | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|---------------|-------|---------------|------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 2/21/2014     | 1120h | 2/24/2014     | 416h | E200.8      | 0.0100          | <b>0.0768</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-001  
**Client Sample ID:** MW-01\_02202014  
**Collection Date:** 2/20/2014 930h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### Analytical Results

| <b>Compound</b> | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Sulfate         | mg/L         |                      | 2/28/2014 841h       | SM4500-SO4-E       | 250                    | 836                      |             |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)

web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-001C  
**Client Sample ID:** MW-01\_02202014  
**Collection Date:** 2/20/2014 930h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/24/2014 921h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | 3.25              |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6   | 50.00         | 101   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 52.6   | 50.00         | 105   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.1   | 50.00         | 100   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.2   | 50.00         | 96.5  | 77-129 |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-002  
**Client Sample ID:** MW-03\_02262014  
**Collection Date:** 2/26/2014 1300h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Selenium | mg/L  | 2/28/2014 1355h | 3/6/2014 1925h | E200.8      | 0.00500         | <b>0.0370</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-002  
**Client Sample ID:** MW-03\_02262014  
**Collection Date:** 2/26/2014 1300h  
**Received Date:** 2/28/2014 927h

### Analytical Results

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Salt Lake City, UT 84115

| <u>Compound</u> | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Fluoride        | mg/L         |                      | 3/4/2014 1040h       | SM4500-F-C         | 0.100                  | <b>0.771</b>             |             |

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
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## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-001  
**Client Sample ID:** MW-03A\_03052014  
**Collection Date:** 3/5/2014 805h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| <u>Compound</u> | <u>Units</u> | <u>Date</u>     |                 | <u>Method</u> | <u>Reporting</u> | <u>Analytical</u> | <u>Qual</u> |
|-----------------|--------------|-----------------|-----------------|---------------|------------------|-------------------|-------------|
|                 |              | <u>Prepared</u> | <u>Analyzed</u> | <u>Used</u>   | <u>Limit</u>     | <u>Result</u>     |             |
| Selenium        | mg/L         | 3/7/2014 1255h  | 3/17/2014 1757h | E200.8        | 0.00500          | <b>0.0921</b>     |             |

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-001  
**Client Sample ID:** MW-03A\_03052014  
**Collection Date:** 3/5/2014 805h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### **Analytical Results**

| <b>Compound</b>        | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Nitrate/Nitrite (as N) | mg/L         |                      | 3/10/2014 2042h      | E353.2             | 0.100                  | <b>0.849</b>             |             |
| Sulfate                | mg/L         |                      | 3/10/2014 1000h      | SM4500-SO4-E       | 625                    | <b>3,100</b>             |             |
| Total Dissolved Solids | mg/L         |                      | 3/7/2014 1200h       | SM2540C            | 20.0                   | <b>5,600</b>             |             |

463 West 3600 South  
Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249B-004  
**Client Sample ID:** MW-05\_02122014  
**Collection Date:** 2/12/2014 1210h  
**Received Date:** 2/14/2014 1055h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound | Units | Date           |                | Method | Reporting | Analytical    | Qual |
|----------|-------|----------------|----------------|--------|-----------|---------------|------|
|          |       | Prepared       | Analyzed       | Used   | Limit     | Result        |      |
| Uranium  | mg/L  | 2/17/2014 930h | 2/20/2014 034h | E200.8 | 0.000300  | <b>0.0220</b> |      |

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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-001  
**Client Sample ID:** MW-11\_03112014  
**Collection Date:** 3/11/2014 1200h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director  
  
 Jose Rocha  
 QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2153h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 826h  | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1129h | E200.7      | 50.0            | <b>66.5</b>       | 2    |
| Chromium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 826h  | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2003h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 632h  | E200.8      | 0.0300          | <b>0.0907</b>     |      |
| Lead       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 632h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1557h | E200.7      | 1.00            | <b>21.7</b>       |      |
| Manganese  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 826h  | E200.8      | 0.0100          | <b>0.134</b>      |      |
| Mercury    | mg/L  | 3/17/2014     | 1335h | 3/18/2014     | 928h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1557h | E200.7      | 1.00            | <b>6.72</b>       |      |
| Selenium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.00500         | < 0.00500         |      |
| Silver     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 450h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1129h | E200.7      | 50.0            | <b>540</b>        | 2    |
| Thallium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1300h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 826h  | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2257h | E200.8      | 0.000300        | <b>0.000671</b>   |      |
| Vanadium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1557h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014     | 825h  | 3/21/2014     | 1710h | E200.8      | 0.0100          | < 0.0100          |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-001  
**Client Sample ID:** MW-11\_03112014  
**Collection Date:** 3/11/2014 1200h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1346h | E350.1       | 0.0500          | <b>0.582</b>      |      |
| Bicarbonate (as CaCO <sub>3</sub> )               | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | <b>301</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )                 | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1609h | SM4500-Cl-E  | 5.00            | <b>32.6</b>       | !    |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C   | 0.100           | <b>0.541</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.        | -100            | <b>5.55</b>       |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1904h | E353.2       | 0.100           | < 0.100           | @    |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO4-E | 250             | <b>904</b>        |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>25.7</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>28.8</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C      | 20.0            | <b>1,940</b>      | @    |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.        |                 | <b>1.11</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.        |                 | <b>1,750</b>      |      |

<sup>!</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.      **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-001A  
**Client Sample ID:** MW-11\_03112014  
**Collection Date:** 3/11/2014 1200h  
**Received Date:** 3/14/2014 1115h

Test Code: 8260-W

**Analytical Results**

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 821h

**Units:** µg/L      **Dilution Factor:** 1      **Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 54.9   | 50.00         | 110   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.7   | 50.00         | 103   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 53.2   | 50.00         | 106   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 50.1   | 50.00         | 100   | 77-129 |      |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-11\_03112014 Project: DNMI00100  
Sample ID: 344755001 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 11-MAR-14 12:00  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|--------------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |              |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |              |        |
| Gross Radium Alpha                             |           | 1.04   | +/-0.265    | 0.582 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 1373541 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|
|                           | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 103       | (25%-125%)        |  |  |  |  |  |  |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249B-005  
**Client Sample ID:** MW-12\_02122014  
**Collection Date:** 2/12/2014 845h  
**Received Date:** 2/14/2014 1055h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound | Units | Date           |                 | Method | Reporting | Analytical    | Qual |
|----------|-------|----------------|-----------------|--------|-----------|---------------|------|
|          |       | Prepared       | Analyzed        | Used   | Limit     | Result        |      |
| Selenium | mg/L  | 2/17/2014 930h | 2/19/2014 2357h | E200.8 | 0.00500   | <b>0.0237</b> |      |

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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer





## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-002  
**Client Sample ID:** MW-14\_03112014  
**Collection Date:** 3/11/2014 1010h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used               | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|---------------------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1342h | E350.1                    | 0.0500          | < 0.0500          | '@   |
| Bicarbonate (as CaCO <sub>3</sub> )               | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | <b>379</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )                 | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1614h | SM4500-Cl-E               | 5.00            | <b>19.5</b>       |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C                | 0.100           | <b>0.188</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.                     | -100            | <b>2.77</b>       |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1905h | E353.2                    | 0.100           | < 0.100           |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO <sub>4</sub> -E | 250             | <b>2,020</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>50.2</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>53.0</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C                   | 20.0            | <b>3,570</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1.09</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.                     |                 | <b>3,280</b>      |      |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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 Salt Lake City, UT 84115  
  
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 Fax: (801) 263-8687  
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web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-002A  
**Client Sample ID:** MW-14\_03112014  
**Collection Date:** 3/11/2014 1010h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/15/2014 121h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.1   | 50.00         | 102   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 49.8   | 50.00         | 99.6  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.8   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 49.1   | 50.00         | 98.3  | 77-129 |      |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-14\_03112014 Project: DNMI00100  
Sample ID: 344755002 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 11-MAR-14 10:10  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.195    | 0.610 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 99.3      | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-006  
**Client Sample ID:** MW-15\_02252014  
**Collection Date:** 2/25/2014 1540h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Iron     | mg/L  | 2/28/2014 1355h | 3/6/2014 2126h | E200.8      | 0.0300          | < 0.0300          |      |
| Selenium | mg/L  | 2/28/2014 1355h | 3/6/2014 2006h | E200.8      | 0.00500         | <b>0.110</b>      |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-003  
**Client Sample ID:** MW-18\_02192014  
**Collection Date:** 2/19/2014 1305h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| <u>Compound</u> | <u>Units</u> | <u>Date</u>     |                 | <u>Method</u> | <u>Reporting</u> | <u>Analytical</u> | <u>Qual</u> |
|-----------------|--------------|-----------------|-----------------|---------------|------------------|-------------------|-------------|
|                 |              | <u>Prepared</u> | <u>Analyzed</u> | <u>Used</u>   | <u>Limit</u>     | <u>Result</u>     |             |
| Thallium        | mg/L         | 2/21/2014 1120h | 2/24/2014 514h  | E200.8        | 0.000500         | <b>0.00277</b>    |             |

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-003  
**Client Sample ID:** MW-18\_02192014  
**Collection Date:** 2/19/2014 1305h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### **Analytical Results**

| <b>Compound</b>        | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Sulfate                | mg/L         |                      | 2/28/2014 841h       | SM4500-SO4-E       | 250                    | <b>1,650</b>             |             |
| Total Dissolved Solids | mg/L         |                      | 2/21/2014 1040h      | SM2540C            | 20.0                   | <b>3,080</b>             |             |

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-004  
**Client Sample ID:** MW-19\_02182014  
**Collection Date:** 2/18/2014 1600h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### Analytical Results

| <u>Compound</u>        | <u>Units</u> | <u>Date Prepared</u> | <u>Date Analyzed</u> | <u>Method Used</u> | <u>Reporting Limit</u> | <u>Analytical Result</u> | <u>Qual</u> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Nitrate-Nitrite (as N) | mg/L         |                      | 2/21/2014 1453h      | E353.2             | 1.00                   | 3.82                     |             |

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Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-19_02182014 | Project: DNMI00100 |
| Sample ID: 343541001             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 18-FEB-14 16:00    |                    |
| Receive Date: 25-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.130    | 0.316 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| 1                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 99.3      | (25%-125%)        |  |  |  |  |  |  |  |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-002  
**Client Sample ID:** MW-23\_03052014  
**Collection Date:** 3/5/2014 1315h  
**Received Date:** 3/7/2014 935h

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 3/7/2014 1255h | 3/13/2014 1920h | E200.8      | 0.0100          | <b>0.0315</b>     |      |

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Salt Lake City, UT 84115

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 web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-003  
**Client Sample ID:** MW-24\_03062014  
**Collection Date:** 3/6/2014 730h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Cadmium  | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1931h | E200.8      | 0.000500        | <b>0.00592</b>    |      |
| Thallium | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1647h | E200.8      | 0.000500        | <b>0.00185</b>    |      |

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Salt Lake City, UT 84115

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Kyle F. Gross  
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## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-003  
**Client Sample ID:** MW-24\_03062014  
**Collection Date:** 3/6/2014 730h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### **Analytical Results**

| <b>Compound</b> | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Fluoride        | mg/L         |                      | 3/10/2014 709h       | SM4500-F-C         | 0.100                  | <b>0.234</b>             |             |

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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-003  
**Client Sample ID:** MW-25\_03102014  
**Collection Date:** 3/10/2014 1215h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2204h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 937h  | E200.8      | 0.000500        | <b>0.00129</b>    |      |
| Calcium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1226h | E200.7      | 50.0            | <b>349</b>        |      |
| Chromium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 937h  | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2043h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 642h  | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 642h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1226h | E200.7      | 50.0            | <b>124</b>        |      |
| Manganese  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 937h  | E200.8      | 0.0100          | <b>1.46</b>       |      |
| Mercury    | mg/L  | 3/17/2014     | 1335h | 3/18/2014     | 936h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.0100          | <b>0.0120</b>     |      |
| Nickel     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1613h | E200.7      | 1.00            | <b>9.58</b>       |      |
| Selenium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.00500         | < 0.00500         |      |
| Silver     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 522h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1226h | E200.7      | 50.0            | <b>298</b>        |      |
| Thallium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1321h | E200.8      | 0.000500        | <b>0.000895</b>   |      |
| Tin        | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 937h  | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2308h | E200.8      | 0.000300        | <b>0.00626</b>    |      |
| Vanadium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1613h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014     | 825h  | 3/21/2014     | 1742h | E200.8      | 0.0100          | < 0.0100          |      |



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-003  
**Client Sample ID:** MW-25\_03102014  
**Collection Date:** 3/10/2014 1215h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

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 Laboratory Director  
  
 Jose Rocha  
 QA Officer

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1347h | E350.1       | 0.0500          | <b>0.374</b>      |      |
| Bicarbonate (as CaCO3)                            | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | <b>323</b>        |      |
| Carbonate (as CaCO3)                              | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1615h | SM4500-Cl-E  | 5.00            | <b>31.5</b>       |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C   | 0.100           | <b>0.355</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.        | -100            | <b>1.25</b>       |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1906h | E353.2       | 0.100           | < 0.100           |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO4-E | 250             | <b>1,560</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>39.8</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>40.8</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C      | 20.0            | <b>2,810</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.        |                 | <b>1.10</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.        |                 | <b>2,570</b>      |      |



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-003A  
**Client Sample ID:** MW-25\_03102014  
**Collection Date:** 3/10/2014 1215h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

**Analytical Results**

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/15/2014 140h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 53.1   | 50.00         | 106   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.2   | 50.00         | 100   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 51.7   | 50.00         | 103   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.6   | 50.00         | 97.3  | 77-129 |      |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-25\_03102014 Project: DNMI00100  
Sample ID: 344755003 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 10-MAR-14 12:15  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.228    | 0.579 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | I      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 103       | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-004  
**Client Sample ID:** MW-26\_03122014  
**Collection Date:** 3/12/2014 1230h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2209h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014     | 825h  | 3/31/2014     | 558h  | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1230h | E200.7      | 50.0            | <b>476</b>        |      |
| Chromium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 947h  | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2048h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.100           | <b>0.671</b>      |      |
| Lead       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 648h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1230h | E200.7      | 50.0            | <b>166</b>        |      |
| Manganese  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 947h  | E200.8      | 0.0100          | <b>0.886</b>      |      |
| Mercury    | mg/L  | 3/17/2014     | 1335h | 3/18/2014     | 941h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1617h | E200.7      | 1.00            | <b>11.2</b>       |      |
| Selenium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.00500         | <b>0.00545</b>    |      |
| Silver     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 527h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1230h | E200.7      | 50.0            | <b>185</b>        |      |
| Thallium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1331h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 947h  | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2313h | E200.8      | 0.000300        | <b>0.0518</b>     |      |
| Vanadium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1617h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014     | 825h  | 3/21/2014     | 1747h | E200.8      | 0.0100          | < 0.0100          |      |

*Reissue of a previously generated report. Sample ID has been updated. Information herein supersedes that of the previously issued reports.*



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-004  
**Client Sample ID:** MW-26\_03122014  
**Collection Date:** 3/12/2014 1230h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director  
  
 Jose Rocha  
 QA Officer

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/17/2014 1300h | 3/18/2014 1348h | E350.1       | 0.0500          | <b>0.288</b>      |      |
| Bicarbonate (as CaCO3)                            | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | <b>318</b>        |      |
| Carbonate (as CaCO3)                              | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1616h | SM4500-Cl-E  | 5.00            | <b>61.0</b>       |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C   | 0.100           | <b>0.310</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.        | -100            | <b>1.19</b>       |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1908h | E353.2       | 0.100           | <b>1.30</b>       |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO4-E | 250             | <b>1,760</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>44.7</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>45.7</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C      | 20.0            | <b>2,800</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.        |                 | <b>0.985</b>      |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.        |                 | <b>2,850</b>      |      |

*Reissue of a previously generated report. Sample ID has been updated. Information herein supersedes that of the previously issued reports.*



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-004A  
**Client Sample ID:** MW-26\_03122014  
**Collection Date:** 3/12/2014 1230h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

## Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 1034h

**Units:** µg/L      **Dilution Factor:** 50      **Method:** SW8260C

| Compound   | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|------|
| Chloroform | 67-66-3    | 50.0            | 2,800             | ~    |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 2,800  | 2,500         | 112   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 2,530  | 2,500         | 101   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 2,730  | 2,500         | 109   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 2,460  | 2,500         | 98.5  | 77-129 |      |

*Reissue of a previously generated report. Sample ID has been updated. Information herein supersedes that of the previously issued reports.*

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 3/17/2014 840h

**Units:** µg/L      **Dilution Factor:** 1      **Method:** SW8260C

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | 6.86              |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | 15.5              |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 55.1   | 50.00         | 110   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.2   | 50.00         | 102   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 55.5   | 50.00         | 111   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 49.0   | 50.00         | 98.0  | 77-129 |      |

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463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-26\_03122014 Project: DNMI00100  
Sample ID: 344755004 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 12-MAR-14 12:30  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 2.84   | +/-0.413    | 0.724 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
|                           | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 101       | (25%-125%)        |  |  |  |  |  |  |  |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-011  
**Client Sample ID:** MW-27\_02252014  
**Collection Date:** 2/25/2014 1140h  
**Received Date:** 2/28/2014 927h

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 3/1/2014 324h   | E300.0       | 10.0            | <b>47.0</b>       |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 3/4/2014 1809h  | E353.2       | 1.00            | <b>7.98</b>       |      |
| Sulfate                | mg/L  |               | 3/5/2014 720h   | SM4500-SO4-E | 125             | <b>411</b>        |      |
| Total Dissolved Solids | mg/L  |               | 2/28/2014 1400h | SM2540C      | 20.0            | <b>1,040</b>      |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-27\_02252014      Project: DNMI00100  
Sample ID: 343800001      Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 25-FEB-14 11:40  
Receive Date: 28-FEB-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 1.08   | +/-0.141    | 0.351 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |  |  |  |  |  |  |  |  |  |  |
|--------|--------------------|------------------|--|--|--|--|--|--|--|--|--|--|
| 1      | EPA 900.1 Modified |                  |  |  |  |  |  |  |  |  |  |  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 101       | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-012  
**Client Sample ID:** MW-28\_02262014  
**Collection Date:** 2/26/2014 1020h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 2/28/2014 1355h | 3/6/2014 2032h | E200.8      | 0.0100          | 1.65              |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-012  
**Client Sample ID:** MW-28\_02262014  
**Collection Date:** 2/26/2014 1020h  
**Received Date:** 2/28/2014 927h

### Analytical Results

| <b>Compound</b> | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride        | mg/L         |                      | 3/1/2014 346h        | E300.0             | 50.0                   | 113                      |             |

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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
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## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-013  
**Client Sample ID:** MW-29\_02252014  
**Collection Date:** 2/25/2014 1325h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 2/28/2014     | 1355h | 3/9/2014      | 2146h | E200.8      | 0.0100          | 5.17              |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

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QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473B-013  
**Client Sample ID:** MW-29\_02252014  
**Collection Date:** 2/25/2014 1325h  
**Received Date:** 2/28/2014 927h

### Analytical Results

| <b>Compound</b>        | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Total Dissolved Solids | mg/L         |                      | 2/28/2014 1400h      | SM2540C            | 20.0                   | <b>4,500</b>             |             |

463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-005  
**Client Sample ID:** MW-30\_03112014  
**Collection Date:** 3/11/2014 1400h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

| Compound   | Units | Date Prepared   | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014 825h  | 3/27/2014 2214h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014 825h  | 3/24/2014 958h  | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/17/2014 825h  | 3/24/2014 1234h | E200.7      | 50.0            | <b>260</b>        |      |
| Chromium   | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014 825h  | 3/24/2014 958h  | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014 825h  | 3/27/2014 2054h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014 825h  | 3/27/2014 653h  | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/17/2014 825h  | 3/27/2014 653h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1234h | E200.7      | 50.0            | <b>69.5</b>       |      |
| Manganese  | mg/L  | 3/17/2014 825h  | 3/24/2014 958h  | E200.8      | 0.0100          | <b>0.0187</b>     |      |
| Mercury    | mg/L  | 3/17/2014 1335h | 3/18/2014 942h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1621h | E200.7      | 1.00            | <b>6.54</b>       |      |
| Selenium   | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.00500         | <b>0.0380</b>     |      |
| Silver     | mg/L  | 3/17/2014 825h  | 3/27/2014 549h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014 825h  | 3/24/2014 1234h | E200.7      | 50.0            | <b>98.1</b>       |      |
| Thallium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1341h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014 825h  | 3/24/2014 958h  | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014 825h  | 3/27/2014 2319h | E200.8      | 0.000300        | <b>0.00784</b>    |      |
| Vanadium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1621h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014 825h  | 3/21/2014 1809h | E200.8      | 0.0100          | < 0.0100          |      |

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-005  
**Client Sample ID:** MW-30\_03112014  
**Collection Date:** 3/11/2014 1400h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used               | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|---------------------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1349h | E350.1                    | 0.0500          | < 0.0500          |      |
| Bicarbonate (as CaCO <sub>3</sub> )               | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | <b>150</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )                 | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1623h | SM4500-Cl-E               | 10.0            | <b>144</b>        |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C                | 0.100           | <b>0.357</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.                     | -100            | <b>-0.761</b>     |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1909h | E353.2                    | 2.00            | <b>21.3</b>       |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO <sub>4</sub> -E | 250             | <b>772</b>        |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>23.5</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>23.1</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C                   | 20.0            | <b>1,470</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1.00</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1,460</b>      |      |

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-005A  
**Client Sample ID:** MW-30\_03112014  
**Collection Date:** 3/11/2014 1400h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

## Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 1131h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 54.9   | 50.00         | 110   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.9   | 50.00         | 102   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 53.0   | 50.00         | 106   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.5   | 50.00         | 97.1  | 77-129 |      |

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-30\_03112014 Project: DNMI00100  
Sample ID: 344755005 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 11-MAR-14 14:00  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.253    | 0.683 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 102       | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-006  
**Client Sample ID:** MW-31\_03102014  
**Collection Date:** 3/11/2014 1410h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound   | Units | Date Prepared   | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014 825h  | 3/27/2014 2220h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014 825h  | 3/24/2014 1008h | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/17/2014 825h  | 3/24/2014 1238h | E200.7      | 50.0            | <b>195</b>        |      |
| Chromium   | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014 825h  | 3/24/2014 1008h | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014 825h  | 3/27/2014 2059h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014 825h  | 3/27/2014 659h  | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/17/2014 825h  | 3/27/2014 659h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1238h | E200.7      | 50.0            | <b>93.9</b>       |      |
| Manganese  | mg/L  | 3/17/2014 825h  | 3/24/2014 1008h | E200.8      | 0.0100          | < 0.0100          |      |
| Mercury    | mg/L  | 3/17/2014 1335h | 3/18/2014 944h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1625h | E200.7      | 1.00            | <b>5.83</b>       |      |
| Selenium   | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.00500         | <b>0.0772</b>     |      |
| Silver     | mg/L  | 3/17/2014 825h  | 3/27/2014 554h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014 825h  | 3/24/2014 1238h | E200.7      | 50.0            | <b>94.1</b>       |      |
| Thallium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1351h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014 825h  | 3/24/2014 1008h | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014 825h  | 3/27/2014 2324h | E200.8      | 0.000300        | <b>0.00796</b>    |      |
| Vanadium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1625h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014 825h  | 3/21/2014 1814h | E200.8      | 0.0100          | < 0.0100          |      |

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
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 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-006  
**Client Sample ID:** MW-31\_03102014  
**Collection Date:** 3/11/2014 1410h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used               | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|---------------------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1351h | E350.1                    | 0.0500          | < 0.0500          |      |
| Bicarbonate (as CaCO <sub>3</sub> )               | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | <b>166</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )                 | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1624h | SM4500-Cl-E               | 50.0            | <b>230</b>        |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C                | 0.100           | <b>0.824</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.                     | -100            | <b>-5.94</b>      |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1910h | E353.2                    | 2.00            | <b>26.2</b>       |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO <sub>4</sub> -E | 125             | <b>681</b>        |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>24.4</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>21.7</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C                   | 20.0            | <b>1,490</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1.04</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1,430</b>      |      |

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director  
  
 Jose Rocha  
 QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-006A  
**Client Sample ID:** MW-31\_03102014  
**Collection Date:** 3/11/2014 1410h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 918h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 54.5   | 50.00         | 109   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.1   | 50.00         | 100   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 52.4   | 50.00         | 105   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.3   | 50.00         | 96.6  | 77-129 |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-31\_03102014 Project: DNMI00100  
Sample ID: 344755006 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 10-MAR-14 14:10  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|--------------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |              |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |              |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.231    | 0.603 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 103       | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-32_02112014 | Project: DNMI00100 |
| Sample ID: 343541002             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 11-FEB-14 12:35    |                    |
| Receive Date: 25-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 1.94   | +/-0.177    | 0.384 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| 1                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 102       | (25%-125%)        |  |  |  |  |  |  |  |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-007  
**Client Sample ID:** MW-35\_03112014  
**Collection Date:** 3/11/2014 1340h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound   | Units | Date Prepared   | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014 825h  | 3/27/2014 2225h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014 825h  | 3/24/2014 1139h | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/17/2014 825h  | 3/24/2014 1242h | E200.7      | 50.0            | <b>492</b>        |      |
| Chromium   | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014 825h  | 3/24/2014 1139h | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014 825h  | 3/27/2014 2104h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014 825h  | 3/27/2014 704h  | E200.8      | 0.0300          | <b>0.117</b>      |      |
| Lead       | mg/L  | 3/17/2014 825h  | 3/27/2014 704h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1242h | E200.7      | 50.0            | <b>153</b>        |      |
| Manganese  | mg/L  | 3/17/2014 825h  | 3/24/2014 1139h | E200.8      | 0.0100          | <b>0.204</b>      |      |
| Mercury    | mg/L  | 3/17/2014 1335h | 3/18/2014 946h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014 825h  | 3/24/2014 1629h | E200.7      | 1.00            | <b>12.1</b>       |      |
| Selenium   | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.00500         | <b>0.0141</b>     |      |
| Silver     | mg/L  | 3/17/2014 825h  | 3/27/2014 600h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014 825h  | 3/24/2014 1242h | E200.7      | 50.0            | <b>366</b>        |      |
| Thallium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1401h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014 825h  | 3/24/2014 1139h | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014 825h  | 3/27/2014 2329h | E200.8      | 0.000300        | <b>0.0215</b>     |      |
| Vanadium   | mg/L  | 3/17/2014 825h  | 3/24/2014 1629h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014 825h  | 3/21/2014 1820h | E200.8      | 0.0100          | < 0.0100          |      |

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-007  
**Client Sample ID:** MW-35\_03112014  
**Collection Date:** 3/11/2014 1340h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1356h | E350.1       | 0.0500          | < 0.0500          |      |
| Bicarbonate (as CaCO3)                            | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | <b>328</b>        |      |
| Carbonate (as CaCO3)                              | mg/L  |                 | 3/21/2014 516h  | SM2320B      | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1620h | SM4500-Cl-E  | 5.00            | <b>64.0</b>       |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C   | 0.100           | <b>0.370</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.        | -100            | <b>-3.48</b>      |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1912h | E353.2       | 0.100           | < 0.100           |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO4-E | 250             | <b>2,350</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>57.2</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.        |                 | <b>53.4</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C      | 20.0            | <b>3,650</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.        |                 | <b>1.01</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.        |                 | <b>3,630</b>      |      |

Kyle F. Gross  
 Laboratory Director  
  
 Jose Rocha  
 QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-007A  
**Client Sample ID:** MW-35\_03112014  
**Collection Date:** 3/11/2014 1340h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 937h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 55.0   | 50.00         | 110   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.1   | 50.00         | 100   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 53.8   | 50.00         | 108   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 49.0   | 50.00         | 97.9  | 77-129 |      |

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 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-35\_03112014 Project: DNMI00100  
Sample ID: 344755007 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 11-MAR-14 13:40  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|--------------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |              |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |              |        |
| Gross Radium Alpha                             |           | 4.33   | +/-0.543    | 0.868 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 1373541 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|
| Surrogate/Tracer Recovery | Test   |                  |         |           |                   |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |
|                           |  |                  |         | 98.9      | (25%-125%)        |  |  |  |  |  |  |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-004  
**Client Sample ID:** MW-36\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1802h | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1845h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1941h | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1241h | E200.7      | 50.0            | <b>425</b>        |      |
| Chromium   | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1802h | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1941h | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2120h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1845h | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2203h | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1241h | E200.7      | 50.0            | <b>137</b>        | 2    |
| Manganese  | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1941h | E200.8      | 0.0100          | < 0.0100          |      |
| Mercury    | mg/L  | 3/11/2014     | 1500h | 3/12/2014     | 1211h | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1802h | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1802h | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1313h | E200.7      | 1.00            | <b>8.72</b>       |      |
| Selenium   | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1802h | E200.8      | 0.00500         | <b>0.244</b>      |      |
| Silver     | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1941h | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1241h | E200.7      | 50.0            | <b>647</b>        | 2    |
| Thallium   | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1657h | E200.8      | 0.000500        | <b>0.000843</b>   |      |
| Tin        | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1941h | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2235h | E200.8      | 0.000300        | <b>0.0248</b>     |      |
| Vanadium   | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1313h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2120h | E200.8      | 0.0100          | < 0.0100          |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-007  
**Client Sample ID:** MW-36\_03252014  
**Collection Date:** 3/25/2014 830h  
**Received Date:** 3/25/2014 1230h

### Analytical Results

| Compound                            | Units | Date Prepared | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-------------------------------------|-------|---------------|-----------------|-------------|-----------------|-------------------|------|
| Bicarbonate (as CaCO <sub>3</sub> ) | mg/L  |               | 3/26/2014 1004h | SM2320B     | 1.00            | <b>290</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )   | mg/L  |               | 3/26/2014 1004h | SM2320B     | 1.00            | < 1.00            |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-004  
**Client Sample ID:** MW-36\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
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 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

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Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/7/2014 1345h | 3/12/2014 1724h | E350.1       | 0.0500          | < 0.0500          |      |
| Chloride  | mg/L  |                | 3/12/2014 1550h | SM4500-Cl-E  | 5.00            | <b>57.7</b>       | 1    |
| Fluoride  | mg/L  |                | 3/10/2014 709h  | SM4500-F-C   | 0.100           | <b>0.287</b>      |      |
| Ion Balance                                       | %     |                | 3/17/2014 920h  | Calc.        | -100            | <b>-3.74</b>      |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                | 3/10/2014 2044h | E353.2       | 0.100           | <b>0.149</b>      | 1    |
| Sulfate   | mg/L  |                | 3/10/2014 1000h | SM4500-SO4-E | 625             | <b>2,790</b>      |      |
| Total Anions, Measured                            | meq/L |                | 3/17/2014 920h  | Calc.        |                 | <b>65.6</b>       |      |
| Total Cations, Measured                           | meq/L |                | 3/17/2014 920h  | Calc.        |                 | <b>60.8</b>       |      |
| Total Dissolved Solids                            | mg/L  |                | 3/7/2014 1200h  | SM2540C      | 20.0            | <b>4,460</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                | 3/17/2014 920h  | Calc.        |                 | <b>1.05</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                | 3/17/2014 920h  | Calc.        |                 | <b>4,240</b>      |      |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-004E  
**Client Sample ID:** MW-36\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/7/2014 1356h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.7   | 50.00         | 105   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.2   | 50.00         | 100   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 51.0   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.7   | 50.00         | 97.3  | 77-129 |      |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-36_02262014 | Project: DNMI00100 |
| Sample ID: 343800006             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 26-FEB-14 08:15    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 2.80   | +/-0.194    | 0.384 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |  |  |  |  |  |  |  |  |  |  |
|--------|--------------------|------------------|--|--|--|--|--|--|--|--|--|--|
| 1      | EPA 900.1 Modified |                  |  |  |  |  |  |  |  |  |  |  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 101       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: April 1, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-36_03052014 | Project: DNMI00100 |
| Sample ID: 344274001             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 05-MAR-14 09:30    |                    |
| Receive Date: 10-MAR-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.263    | 0.700 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 102       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403421-001  
**Client Sample ID:** MW-37\_03202014  
**Collection Date:** 3/20/2014 800h  
**Received Date:** 3/21/2014 930h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 625h  | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/21/2014     | 1155h | 3/26/2014     | 1104h | E200.7      | 50.0            | <b>445</b>        | 2    |
| Chromium   | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 1535h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 625h  | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 625h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/21/2014     | 1155h | 3/26/2014     | 1104h | E200.7      | 50.0            | <b>130</b>        | 2    |
| Manganese  | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0100          | < 0.0100          |      |
| Mercury    | mg/L  | 3/24/2014     | 1215h | 3/26/2014     | 843h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/21/2014     | 1155h | 3/26/2014     | 1624h | E200.7      | 1.00            | <b>14.3</b>       |      |
| Selenium   | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.00200         | <b>0.00706</b>    |      |
| Silver     | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 532h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/21/2014     | 1155h | 3/26/2014     | 1104h | E200.7      | 50.0            | <b>476</b>        | 2    |
| Thallium   | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 625h  | E200.8      | 0.000500        | <b>0.000693</b>   |      |
| Tin        | mg/L  | 3/21/2014     | 1155h | 4/2/2014      | 747h  | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/21/2014     | 1155h | 3/31/2014     | 652h  | E200.8      | 0.000200        | <b>0.0116</b>     |      |
| Vanadium   | mg/L  | 3/21/2014     | 1155h | 3/26/2014     | 1624h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/21/2014     | 1155h | 4/2/2014      | 1327h | E200.8      | 0.0100          | <b>0.0276</b>     |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.





## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403421-001A  
**Client Sample ID:** MW-37\_03202014  
**Collection Date:** 3/20/2014 800h  
**Received Date:** 3/21/2014 930h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/21/2014 1448h

**Units:** µg/L      **Dilution Factor:** 1      **Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.4   | 50.00         | 105   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 52.4   | 50.00         | 105   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.0   | 50.00         | 100   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 51.6   | 50.00         | 103   | 77-129 |      |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 18, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-37\_03202014      Project: DNMI00100  
Sample ID: 345273001      Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 20-MAR-14 08:00  
Receive Date: 26-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.219    | 0.616 | 1.00 | pCi/L |    | CXP3    | 04/17/14 | 1315 | 1379797 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| 1                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 100       | (25%-125%)        |  |  |  |  |  |  |  |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-005  
**Client Sample ID:** MW-70\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1818h | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1851h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 2103h | E200.8      | 0.000500        | < 0.000500        |      |
| Calcium    | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1257h | E200.7      | 50.0            | <b>431</b>        |      |
| Chromium   | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1818h | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 2103h | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2125h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1851h | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2208h | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1257h | E200.7      | 50.0            | <b>139</b>        |      |
| Manganese  | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 2103h | E200.8      | 0.0100          | < 0.0100          |      |
| Mercury    | mg/L  | 3/11/2014     | 1500h | 3/12/2014     | 1217h | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1818h | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1818h | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1325h | E200.7      | 1.00            | <b>9.73</b>       |      |
| Selenium   | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 1818h | E200.8      | 0.00500         | <b>0.241</b>      |      |
| Silver     | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 2103h | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1257h | E200.7      | 50.0            | <b>639</b>        |      |
| Thallium   | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 1707h | E200.8      | 0.000500        | <b>0.000849</b>   |      |
| Tin        | mg/L  | 3/7/2014      | 1255h | 3/13/2014     | 2103h | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2240h | E200.8      | 0.000300        | <b>0.0231</b>     |      |
| Vanadium   | mg/L  | 3/7/2014      | 1255h | 3/14/2014     | 1325h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/7/2014      | 1255h | 3/17/2014     | 2125h | E200.8      | 0.0100          | < 0.0100          |      |



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-008  
**Client Sample ID:** MW-70\_03252014  
**Collection Date:** 3/25/2014 830h  
**Received Date:** 3/25/2014 1230h

### Analytical Results

| <b>Compound</b>                     | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|-------------------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Bicarbonate (as CaCO <sub>3</sub> ) | mg/L         |                      | 3/26/2014 1004h      | SM2320B            | 1.00                   | <b>302</b>               |             |
| Carbonate (as CaCO <sub>3</sub> )   | mg/L         |                      | 3/26/2014 1004h      | SM2320B            | 1.00                   | < 1.00                   |             |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-005  
**Client Sample ID:** MW-70\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

### Analytical Results

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|--------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/11/2014 1330h | 3/12/2014 1721h | E350.1       | 0.0500          | < 0.0500          | *    |
| Chloride  | mg/L  |                 | 3/12/2014 1551h | SM4500-Cl-E  | 5.00            | <b>57.6</b>       |      |
| Fluoride  | mg/L  |                 | 3/10/2014 709h  | SM4500-F-C   | 0.100           | <b>0.279</b>      |      |
| Ion Balance                                       | %     |                 | 3/17/2014 920h  | Calc.        | -100            | <b>-1.47</b>      |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/10/2014 2112h | E353.2       | 0.100           | <b>0.135</b>      |      |
| Sulfate   | mg/L  |                 | 3/10/2014 1000h | SM4500-SO4-E | 625             | <b>2,640</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/17/2014 920h  | Calc.        |                 | <b>62.8</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/17/2014 920h  | Calc.        |                 | <b>61.0</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/7/2014 1200h  | SM2540C      | 20.0            | <b>4,630</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/17/2014 920h  | Calc.        |                 | <b>1.13</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/17/2014 920h  | Calc.        |                 | <b>4,100</b>      |      |

\* - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-005E  
**Client Sample ID:** MW-70\_03052014  
**Collection Date:** 3/5/2014 930h  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/7/2014 1415h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 53.7   | 50.00         | 107   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.5   | 50.00         | 103   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 51.2   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.9   | 50.00         | 97.9  | 77-129 |      |

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-70\_02262014      Project: DNMI00100  
Sample ID: 343800008      Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 26-FEB-14 08:15  
Receive Date: 28-FEB-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 2.76   | +/-0.205    | 0.440 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1524 | 1370170 | I      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| 1                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 101       | (25%-125%)        |  |  |  |  |  |  |  |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 1, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-70_03052014 | Project: DNMI00100 |
| Sample ID: 344274002             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 05-MAR-14 09:30    |                    |
| Receive Date: 10-MAR-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.237    | 0.616 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |  |  |  |  |  |  |  |  |  |  |
|--------|--------------------|------------------|--|--|--|--|--|--|--|--|--|--|
| 1      | EPA 900.1 Modified |                  |  |  |  |  |  |  |  |  |  |  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 102       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-008  
**Client Sample ID:** MW-75\_03112014  
**Collection Date:** 3/11/2014 1010h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
 Salt Lake City, UT 84115  
  
 Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound   | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|------------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Arsenic    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.00500         | < 0.00500         |      |
| Beryllium  | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2230h | E200.8      | 0.000500        | < 0.000500        |      |
| Cadmium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1149h | E200.8      | 0.000500        | <b>0.00129</b>    |      |
| Calcium    | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1246h | E200.7      | 50.0            | <b>501</b>        |      |
| Chromium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.0250          | < 0.0250          |      |
| Cobalt     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1149h | E200.8      | 0.0100          | < 0.0100          |      |
| Copper     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2110h | E200.8      | 0.0100          | < 0.0100          |      |
| Iron       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 709h  | E200.8      | 0.0300          | < 0.0300          |      |
| Lead       | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 709h  | E200.8      | 0.00100         | < 0.00100         |      |
| Magnesium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1246h | E200.7      | 50.0            | <b>154</b>        |      |
| Manganese  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1149h | E200.8      | 0.0100          | <b>1.89</b>       |      |
| Mercury    | mg/L  | 3/17/2014     | 1335h | 3/18/2014     | 947h  | E245.1      | 0.000500        | < 0.000500        |      |
| Molybdenum | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.0100          | < 0.0100          |      |
| Nickel     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.0200          | < 0.0200          |      |
| Potassium  | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1633h | E200.7      | 1.00            | <b>12.0</b>       |      |
| Selenium   | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.00500         | < 0.00500         |      |
| Silver     | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 605h  | E200.8      | 0.0100          | < 0.0100          |      |
| Sodium     | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1246h | E200.7      | 50.0            | <b>336</b>        |      |
| Thallium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1411h | E200.8      | 0.000500        | < 0.000500        |      |
| Tin        | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1149h | E200.8      | 0.100           | < 0.100           |      |
| Uranium    | mg/L  | 3/17/2014     | 825h  | 3/27/2014     | 2335h | E200.8      | 0.000300        | <b>0.0648</b>     |      |
| Vanadium   | mg/L  | 3/17/2014     | 825h  | 3/24/2014     | 1633h | E200.7      | 0.0150          | < 0.0150          |      |
| Zinc       | mg/L  | 3/17/2014     | 825h  | 3/21/2014     | 1825h | E200.8      | 0.0100          | <b>0.0137</b>     |      |



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-008  
**Client Sample ID:** MW-75\_03112014  
**Collection Date:** 3/11/2014 1010h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

### Analytical Results

| Compound  | Units | Date Prepared   | Date Analyzed   | Method Used               | Reporting Limit | Analytical Result | Qual |
|---|-------|-----------------|-----------------|---------------------------|-----------------|-------------------|------|
| Ammonia (as N)                                    | mg/L  | 3/14/2014 1400h | 3/18/2014 1357h | E350.1                    | 0.0500          | < 0.0500          |      |
| Bicarbonate (as CaCO <sub>3</sub> )               | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | <b>342</b>        |      |
| Carbonate (as CaCO <sub>3</sub> )                 | mg/L  |                 | 3/21/2014 516h  | SM2320B                   | 1.00            | < 1.00            |      |
| Chloride  | mg/L  |                 | 3/14/2014 1621h | SM4500-Cl-E               | 5.00            | <b>19.6</b>       |      |
| Fluoride  | mg/L  |                 | 3/17/2014 804h  | SM4500-F-C                | 0.100           | <b>0.147</b>      |      |
| Ion Balance                                       | %     |                 | 3/25/2014 1211h | Calc.                     | -100            | <b>5.94</b>       |      |
| Nitrate/Nitrite (as N)                            | mg/L  |                 | 3/18/2014 1913h | E353.2                    | 0.100           | < 0.100           |      |
| Sulfate   | mg/L  |                 | 3/18/2014 752h  | SM4500-SO <sub>4</sub> -E | 250             | <b>1,890</b>      |      |
| Total Anions, Measured                            | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>46.7</b>       |      |
| Total Cations, Measured                           | meq/L |                 | 3/25/2014 1211h | Calc.                     |                 | <b>52.6</b>       |      |
| Total Dissolved Solids                            | mg/L  |                 | 3/14/2014 1300h | SM2540C                   | 20.0            | <b>3,700</b>      |      |
| Total Dissolved Solids Ratio, Measured/Calculated |       |                 | 3/25/2014 1211h | Calc.                     |                 | <b>1.19</b>       |      |
| Total Dissolved Solids, Calculated                | mg/L  |                 | 3/25/2014 1211h | Calc.                     |                 | <b>3,120</b>      |      |

463 West 3600 South

Salt Lake City, UT 84115

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-008A  
**Client Sample ID:** MW-75\_03112014  
**Collection Date:** 3/11/2014 1010h  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 956h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 55.1   | 50.00         | 110   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.7   | 50.00         | 101   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 53.1   | 50.00         | 106   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.2   | 50.00         | 96.4  | 77-129 |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: April 9, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

Client Sample ID: MW-75\_03112014 Project: DNMI00100  
Sample ID: 344755008 Client ID: DNMI001  
Matrix: Ground Water  
Collect Date: 11-MAR-14 10:10  
Receive Date: 18-MAR-14  
Collector: Client

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.217    | 0.707 | 1.00 | pCi/L |    | CXP3    | 03/31/14 | 1556 | 1373541 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 100       | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354A-005A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 2/17/2014  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/24/2014 902h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8   | 50.00         | 102   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.9   | 50.00         | 104   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.8   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.8   | 50.00         | 97.6  | 77-129 |      |

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Toll Free: (888) 263-8686  
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403270-009A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 3/10/2014  
**Received Date:** 3/14/2014 1115h

**Contact:** Garrin Palmer

Test Code: 8260-W

**Analytical Results**

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/17/2014 1015h

**Units:** µg/L      **Dilution Factor:** 1      **Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 53.0   | 50.00         | 106   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 48.8   | 50.00         | 97.7  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.8   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 46.6   | 50.00         | 93.3  | 77-129 |      |



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403121-006A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 3/5/2014  
**Received Date:** 3/7/2014 935h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/7/2014 1434h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.4   | 50.00         | 103   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 49.0   | 50.00         | 98.1  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.1   | 50.00         | 98.2  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 46.8   | 50.00         | 93.6  | 77-129 |      |



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1403421-002A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 3/20/2014  
**Received Date:** 3/21/2014 930h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/21/2014 1507h

**Units:** µg/L                      **Dilution Factor:** 1                      **Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound             | CAS Number | Reporting Limit | Analytical Result | Qual |
|----------------------|------------|-----------------|-------------------|------|
| 2-Butanone           | 78-93-3    | 20.0            | < 20.0            |      |
| Acetone              | 67-64-1    | 20.0            | < 20.0            |      |
| Benzene              | 71-43-2    | 1.00            | < 1.00            |      |
| Carbon tetrachloride | 56-23-5    | 1.00            | < 1.00            |      |
| Chloroform           | 67-66-3    | 1.00            | < 1.00            |      |
| Chloromethane        | 74-87-3    | 1.00            | < 1.00            |      |
| Methylene chloride   | 75-09-2    | 1.00            | < 1.00            |      |
| Naphthalene          | 91-20-3    | 1.00            | < 1.00            |      |
| Tetrahydrofuran      | 109-99-9   | 1.00            | < 1.00            |      |
| Toluene              | 108-88-3   | 1.00            | < 1.00            |      |
| Xylenes, Total       | 1330-20-7  | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 53.5   | 50.00         | 107   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 52.9   | 50.00         | 106   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.9   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 51.0   | 50.00         | 102   | 77-129 |      |



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Groundwater 2014

Dear Garrin Palmer:

Lab Set ID: 1402249B

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 5 sample(s) on 2/14/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revised report to a report originally issued on 2/28/2014. By client request, samples -004 & -005 are being reported out on this report. All pages have been updated for pagination.

Thank You,

**Kyle F. Gross**  
Digitally signed by Kyle F. Gross  
DN: cn=Kyle F. Gross, o=AWAL,  
ou=AWAL-Laboratory Director,  
email=kyle@awal-labs.com, c=US  
Date: 2014.03.13 11:55:36 -06'00'

Approved by:

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Set ID:** 1402249B  
**Date Received:** 2/14/2014 1055h

463 West 3600 South  
Salt Lake City, UT 84115

| <u>Lab Sample ID</u> | <u>Client Sample ID</u> | <u>Date Collected</u> | <u>Matrix</u> | <u>Analysis</u>         |
|----------------------|-------------------------|-----------------------|---------------|-------------------------|
| 1402249-004A         | MW-05_02122014          | 2/12/2014 1210h       | Aqueous       | ICPMS Metals, Dissolved |
| 1402249-005A         | MW-12_02122014          | 2/12/2014 845h        | Aqueous       | ICPMS Metals, Dissolved |

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Revised Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Set ID:** 1402249B

---

463 West 3600 South  
Salt Lake City, UT 84115

### **Sample Receipt Information:**

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

**Date of Receipt:** 2/14/2014  
**Date of Collection:** 2/12/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

web: www.awal-labs.com

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Kyle F. Gross  
Laboratory Director

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD:

Jose Rocha  
QA Officer

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: On sample 1402249A-001E, the MSD was outside of its control limits for manganese due to high analyte concentration.

**Corrective Action:** None required.



463 West 3600 South

Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249B  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/19/2014 2320h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.206  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 103  | 85 - 115 |              |       |           |      |
| Manganese                       | 0.208  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 104  | 85 - 115 |              |       |           |      |
| Selenium                        | 0.200  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 99.9 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.197  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0                 | 98.6 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/23/2014 2219h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.190  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0                 | 95.2 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/28/2014 1021h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Iron                            | 0.966  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 96.6 | 85 - 115 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249B  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                         | Result     | Units | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|------------|-------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-30576</b>  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/19/2014 2315h |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 02/17/2014 930h  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                         | < 0.000500 | mg/L  | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                       | < 0.0100   | mg/L  | E200.8 | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                        | < 0.00500  | mg/L  | E200.8 | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30576</b>  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/20/2014 018h  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 02/17/2014 930h  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                         | < 0.000300 | mg/L  | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30576</b>  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/23/2014 2203h |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 02/17/2014 930h  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Thallium                        | < 0.000500 | mg/L  | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30576</b>  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/28/2014 1015h |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 02/17/2014 930h  |            |       |        |            |                 |               |                   |      |        |              |       |           |      |
| Iron                            | < 0.0300   | mg/L  | E200.8 | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |



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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249B  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/19/2014 2341h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.203  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0.00129           | 101  | 75 - 125 |              |       |           |      |
| Manganese                            | 1.75   | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 1.58              | 84.4 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.214  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 107  | 75 - 125 |              |       |           |      |
| Uranium                              | 0.194  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.00583           | 93.9 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/23/2014 2224h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                             | 0.187  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.00083           | 93.3 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/28/2014 1031h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Iron                                 | 0.970  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 97.0 | 75 - 125 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249B  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: | 02/19/2014 2347h |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: | 02/17/2014 930h  |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                               | 0.208  | mg/L           | E200.8           | 0.0000726 | 0.000500        | 0.2000        | 0.00129           | 103  | 75 - 125 | 0.203        | 2.18  | 20        |      |
| Manganese                             | 1.84   | mg/L           | E200.8           | 0.00166   | 0.00200         | 0.2000        | 1.58              | 131  | 75 - 125 | 1.75         | 5.15  | 20        | 2    |
| Selenium                              | 0.212  | mg/L           | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0                 | 106  | 75 - 125 | 0.214        | 1.27  | 20        |      |
| Uranium                               | 0.202  | mg/L           | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0.00583           | 97.9 | 75 - 125 | 0.194        | 4.04  | 20        |      |
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: | 02/23/2014 2230h |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: | 02/17/2014 930h  |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                              | 0.189  | mg/L           | E200.8           | 0.000222  | 0.00200         | 0.2000        | 0.00083           | 93.9 | 75 - 125 | 0.187        | 0.628 | 20        |      |
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: | 02/28/2014 1037h |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: | 02/17/2014 930h  |           |                 |               |                   |      |          |              |       |           |      |
| Iron                                  | 0.963  | mg/L           | E200.8           | 0.0472    | 0.100           | 1.000         | 0                 | 96.3 | 75 - 125 | 0.97         | 0.678 | 20        |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

**WORK ORDER Summary**

Work Order: **1402249 B** Page 1 of 2

**Client:** Energy Fuels Resources, Inc.

Due Date: 2/25/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Groundwater 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples were field filtered for the metals. 4-26-14 - Fluoride method updated / 3-3-14 per instructions from Kathy Weinel, samples -001, -002 & -003 will be reported out as 1402249 A and samples -004 & -005 will be reported out as 1402249 B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1402249-001A | MW-25_02132014   | 2/13/2014 1405h | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-001B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402249-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402249-001D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402249-001E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402249-002A | MW-35_02112014   | 2/11/2014 1405h | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-002B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402249-002C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402249-002D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402249-002E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402249-003A | Trip Blank       | 2/11/2014       | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-004A | MW-05_02122014   | 2/12/2014 1210h | 2/14/2014 1055h | 200.8-DIS   | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: U</i>  |         |                                     |                    |   |

**WORK ORDER Summary**

Work Order: **1402249 B** Page 2 of 2

**Client:** Energy Fuels Resources, Inc.

**Due Date:** 2/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code                 | Matrix  | Sel                                 | Storage      |
|--------------|------------------|-----------------|-----------------|---------------------------|---------|-------------------------------------|--------------|
| 1402249-004A | MW-05_02122014   | 2/12/2014 1210h | 2/14/2014 1055h | 200.8-DIS-PR              | Aqueous | <input type="checkbox"/>            | df / dis met |
| 1402249-005A | MW-12_02122014   | 2/12/2014 0845h | 2/14/2014 1055h | 200.8-DIS                 | Aqueous | <input checked="" type="checkbox"/> | df / dis met |
|              |                  |                 |                 | <i>1 SEL Analytes: SE</i> |         |                                     |              |
|              |                  |                 |                 | 200.8-DIS-PR              |         | <input type="checkbox"/>            | df / dis met |



# AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

## CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1402249 B  
 AWAL LAB SAMPLE SET #  
 PAGE 1 OF 1

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #: \_\_\_\_\_  
 EMAIL: **gpalmer@energyfuels.com; kweinel@energyfuels.com;**  
**dturk@energyfuels.com**  
 PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
 PROJECT #: \_\_\_\_\_  
 PO #: \_\_\_\_\_  
 SAMPLER NAME: **TANNER HOLLIDAY**

| QC LEVEL:                   |                      | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 | DUE DATE:                         |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
|-----------------------------|----------------------|-------------------|-----------------|--|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------|------------------------------|------------------|--|---|
| 3                           |                      | STANDARD          |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| SAMPLE ID:                  | DATE SAMPLED         | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C) | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO <sub>4</sub> (4500 or 300.0) | FI (4500 or 300.0) | Dissolved Iron (200.7/200.8) | VOCs THF (8260C) | KNOWN HAZARDS & SAMPLE COMMENTS  | LABORATORY USE ONLY   |
| <del>1 MW-25_02132014</del> | <del>2/13/2014</del> | <del>1405</del>   | 7               | W  | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                               | X                  | X                            | X                | X INCLUDE EDD:<br>LOCUS UPLOAD<br>EXCEL<br>X FIELD FILTERED FOR:<br>Dissolved Metals<br><br>FOR COMPLIANCE WITH:<br><input type="checkbox"/> NELAP<br><input type="checkbox"/> RCRA<br><input type="checkbox"/> CWA<br><input type="checkbox"/> SDWA<br><input type="checkbox"/> ELAP / A2LA<br><input type="checkbox"/> NLLAP<br><input type="checkbox"/> NON-COMPLIANCE<br><input type="checkbox"/> OTHER:<br><br>KNOWN HAZARDS &<br>SAMPLE COMMENTS<br><br>Per Kathy Weinel,<br>samples -001, -002 &<br>-003 are on 1402249 A.<br>MH 3-3-14 | SAMPLES WERE:<br>1 SHIPPED OR HAND DELIVERED<br>2 AMBIENT OR CHILLED<br>3 TEMPERATURE <u>2.6</u> °C<br>4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED)<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N<br>5 PROPERLY PRESERVED<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N<br>6 CHECKED AT BENCH<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N<br>7 RECEIVED WITHIN STIPULATED TIMES<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N  |
| <del>2 MW-35_02112014</del> | <del>2/11/2014</del> | <del>1405</del>   | 7               | W  | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                               | X                  | X                            | X                |  | COC TAPE WAS:<br>1 PRESENT ON OUTER PACKAGE<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA<br>2 UNBROKEN ON OUTER PACKAGE<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA<br>3 PRESENT ON SAMPLE<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA<br>4 UNBROKEN ON SAMPLE<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA |
| <del>3 TRIP BLANK</del>     | <del>2/11/2014</del> |                   | 3               | W  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  | DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD?<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N   |
| 4 MW-05_02122014            | 2/12/2014            | 1210              | 1               | W  |                 |                                   |                    |             | X                               |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 5 MW-12_02122014            | 2/12/2014            | 845               | 1               | W  |                 |                                   |                    |             |                                 |                                 | X                                |                                  |                                 |                    |                              |                  |  |   |
| 6 TEMP BLANK                |                      |                   | 1               | W  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 7                           |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 8                           |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 9                           |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 10                          |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 11                          |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |
| 12                          |                      |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |  |   |

|   |   |   |   |   |
|---|---|---|---|---|
| RELINQUISHED BY:<br>SIGNATURE: <i>Tanner Holliday</i> | DATE: <u>2/14/14</u><br>TIME: <u>1055</u> | RECEIVED BY:<br>SIGNATURE: <i>Elova Hay</i> | DATE: <u>2/14/14</u><br>TIME: <u>1855</u> | SPECIAL INSTRUCTIONS:<br><br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.<br><br><i>FI method updated - DB 2/24/13</i> |
| PRINT NAME: <u>Tanner Holliday</u>                    | DATE: _____<br>TIME: _____                | PRINT NAME: _____                           | DATE: _____<br>TIME: _____                |   |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE: _____<br>TIME: _____                | RECEIVED BY:<br>SIGNATURE: _____            | DATE: _____<br>TIME: _____                |   |
| PRINT NAME: _____                                     | DATE: _____<br>TIME: _____                | PRINT NAME: _____                           | DATE: _____<br>TIME: _____                |   |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE: _____<br>TIME: _____                | RECEIVED BY:<br>SIGNATURE: _____            | DATE: _____<br>TIME: _____                |   |
| PRINT NAME: _____                                     | DATE: _____<br>TIME: _____                | PRINT NAME: _____                           | DATE: _____<br>TIME: _____                |   |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE: _____<br>TIME: _____                | RECEIVED BY:<br>SIGNATURE: _____            | DATE: _____<br>TIME: _____                |   |
| PRINT NAME: _____                                     | DATE: _____<br>TIME: _____                | PRINT NAME: _____                           | DATE: _____<br>TIME: _____                |   |

Preservation Check Sheet

**Sample Set Extension and pH**

| Analysis                          | Preservative                         | 1   | 2   | 4   | 5   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide                           | pH >12<br>NaOH                       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metals                            | pH <2 HNO <sub>3</sub>               | yes | yes | yes | yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> | yes | yes | yes | yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| O & G                             | pH <2 HCL                            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation

- \* The sample required additional preservative upon receipt.
- + The sample was received unpreserved
- ▲ The Sample was received unpreserved and therefore preserved upon receipt.
- # The sample pH was unadjustable to a pH < 2 due to the sample matrix
- The sample pH was unadjustable to a pH > \_\_\_\_ due to the sample matrix interference



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1402354A

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 5 sample(s) on 2/21/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

|                          |   |
|--------------------------|---|
| <b>Jose G.<br/>Rocha</b> | Digitally signed by Jose G. Rocha   |
|                          | DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US |
|                          | Date: 2014.03.17 14:23:02 -06'00'   |

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354A  
**Date Received:** 2/21/2014 920h

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                           |
|---------------|------------------|-----------------|---------|------------------------------------|
| 1402354-001A  | MW-01_02202014   | 2/20/2014 930h  | Aqueous | ICPMS Metals, Dissolved            |
| 1402354-001B  | MW-01_02202014   | 2/20/2014 930h  | Aqueous | Sulfate, Aqueous                   |
| 1402354-001C  | MW-01_02202014   | 2/20/2014 930h  | Aqueous | VOA by GC/MS Method<br>8260C/5030C |
| 1402354-003A  | MW-18_02192014   | 2/19/2014 1305h | Aqueous | ICPMS Metals, Dissolved            |
| 1402354-003B  | MW-18_02192014   | 2/19/2014 1305h | Aqueous | Sulfate, Aqueous                   |
| 1402354-003C  | MW-18_02192014   | 2/19/2014 1305h | Aqueous | Total Dissolved Solids, A2540C     |
| 1402354-004A  | MW-19_02182014   | 2/18/2014 1600h | Aqueous | Nitrite/Nitrate (as N), E353.2     |
| 1402354-005A  | Trip Blank       | 2/17/2014       | Aqueous | VOA by GC/MS Method<br>8260C/5030C |

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354A

463 West 3600 South  
Salt Lake City, UT 84115

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**Sample Receipt Information:**

**Date of Receipt:** 2/21/14  
**Date(s) of Collection:** 2/17/14 - 2/20/14  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

**Holding Time and Preservation Requirements:** The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

web: www.awal-labs.com

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Kyle F. Gross  
Laboratory Director

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

Jose Rocha  
QA Officer

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Duplicate (DUP):** The RPD for Total Dissolved Solids was outside of its control range on sample 1402354-002D due to suspected sample non-homogeneity.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354A

---

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### Sample Receipt Information:

|                               |                            |
|-------------------------------|----------------------------|
| <b>Date of Receipt:</b>       | 2/21/14                    |
| <b>Date(s) of Collection:</b> | 2/17/14 - 2/20/14          |
| <b>Sample Condition:</b>      | Intact                     |
| <b>C-O-C Discrepancies:</b>   | None                       |
| <b>Method:</b>                | SW-846 8260C/5030C         |
| <b>Analysis:</b>              | Volatile Organic Compounds |

**General Set Comments:** The target analyte was observed above reporting limits on sample 1402354-001C.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result         | Units | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|----------------|-------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-30666 | Date Analyzed: |       | 02/24/2014 410h  |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS     | Date Prepared: |       | 02/21/2014 1120h |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.190          | mg/L  | E200.8           | 0.0000726 | 0.000500        | 0.2000        | 0                 | 94.9 | 85 - 115 |              |       |           |      |
| Iron                            | 0.976          | mg/L  | E200.8           | 0.0472    | 0.100           | 1.000         | 0                 | 97.6 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.193          | mg/L  | E200.8           | 0.00166   | 0.00200         | 0.2000        | 0                 | 96.7 | 85 - 115 |              |       |           |      |
| Selenium                        | 0.200          | mg/L  | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0                 | 100  | 85 - 115 |              |       |           |      |
| Thallium                        | 0.186          | mg/L  | E200.8           | 0.000222  | 0.00200         | 0.2000        | 0                 | 93.1 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.190          | mg/L  | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0                 | 94.8 | 85 - 115 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: | 02/24/2014 | 405h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/21/2014 | 1120h  |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L       | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L       | E200.8 | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L       | E200.8 | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: | 02/24/2014 | 503h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/21/2014 | 1120h  |            |                 |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300       | mg/L       | E200.8 | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L       | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: | 02/24/2014 | 535h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/21/2014 | 1120h  |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L       | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result         | Units | Method           | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|----------------|-------|------------------|----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001AMS | Date Analyzed: |       | 02/24/2014 431h  |          |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          | Date Prepared: |       | 02/21/2014 1120h |          |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.190          | mg/L  | E200.8           | 0.000182 | 0.00125         | 0.2000        | 0.000274          | 95.0 | 75 - 125 |              |       |           |      |
| Iron                                 | 1.12           | mg/L  | E200.8           | 0.118    | 0.250           | 1.000         | 0.141             | 98.4 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.279          | mg/L  | E200.8           | 0.00416  | 0.00500         | 0.2000        | 0.0768            | 101  | 75 - 125 |              |       |           |      |
| Selenium                             | 0.209          | mg/L  | E200.8           | 0.00172  | 0.00500         | 0.2000        | 0                 | 104  | 75 - 125 |              |       |           |      |
| Thallium                             | 0.185          | mg/L  | E200.8           | 0.000555 | 0.00500         | 0.2000        | 0.000401          | 92.5 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.187          | mg/L  | E200.8           | 0.000150 | 0.00500         | 0.2000        | 0.000662          | 93.3 | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result                          | Units | Method | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|---------------------------------|-------|--------|----------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001AMSD | Date Analyzed: 02/24/2014 437h  |       |        |          |                 |               |                   |      |          |              |        |           |      |
| <b>Test Code:</b> 200.8-DIS           | Date Prepared: 02/21/2014 1120h |       |        |          |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.194                           | mg/L  | E200.8 | 0.000182 | 0.00125         | 0.2000        | 0.000274          | 97.1 | 75 - 125 | 0.19         | 2.14   | 20        |      |
| Iron                                  | 1.12                            | mg/L  | E200.8 | 0.118    | 0.250           | 1.000         | 0.141             | 98.2 | 75 - 125 | 1.12         | 0.107  | 20        |      |
| Manganese                             | 0.268                           | mg/L  | E200.8 | 0.00416  | 0.00500         | 0.2000        | 0.0768            | 95.8 | 75 - 125 | 0.279        | 3.83   | 20        |      |
| Selenium                              | 0.202                           | mg/L  | E200.8 | 0.00172  | 0.00500         | 0.2000        | 0                 | 101  | 75 - 125 | 0.209        | 3.22   | 20        |      |
| Thallium                              | 0.185                           | mg/L  | E200.8 | 0.000555 | 0.00500         | 0.2000        | 0.000401          | 92.5 | 75 - 125 | 0.185        | 0.0264 | 20        |      |
| Uranium                               | 0.190                           | mg/L  | E200.8 | 0.000150 | 0.00500         | 0.2000        | 0.000662          | 94.7 | 75 - 125 | 0.187        | 1.53   | 20        |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-002DDUP</b> |        | Date Analyzed: 02/21/2014 1040h |         |      |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C                |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 1,540  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 1460         | 5.87  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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Salt Lake City, UT 84115

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Kyle F. Gross  
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Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte                           | Result | Units                           | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|--------|---------------------------------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-R65489  |        | Date Analyzed: 02/27/2014 1237h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 300.0-W         |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                          | 5.12   | mg/L                            | E300.0       | 0.0623  | 0.100           | 5.000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65501  |        | Date Analyzed: 02/28/2014 1100h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> F-W-4500FC      |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                          | 1.08   | mg/L                            | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 108  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65271  |        | Date Analyzed: 02/21/2014 1429h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> NO2/NO3-W-353.2 |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)            | 0.982  | mg/L                            | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 98.2 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65493  |        | Date Analyzed: 02/28/2014 841h  |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> SO4-W-4500SO4E  |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                           | 1.090  | mg/L                            | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 109  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65341  |        | Date Analyzed: 02/21/2014 1040h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C     |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids            | 190    | mg/L                            | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 92.7 | 80 - 120 |              |       |           |      |



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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1402354A

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** MBLK

| Analyte                         | Result  | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|---------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R65489</b> |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/27/2014 1215h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W              |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 0.100 | mg/L  | E300.0       | 0.0623  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65501</b> |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/28/2014 1100h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC           |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride                        | < 0.100 | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65271</b> |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/21/2014 1428h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2      |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate-Nitrite (as N)          | < 0.100 | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65493</b> |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/28/2014 841h  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E       |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate                         | < 5.00  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65341</b> |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/21/2014 1040h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C          |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids          | < 10.0  | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-002BMS</b> Date Analyzed: 02/28/2014 220h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 2,740  | mg/L  | E300.0       | 31.2   | 50.0            | 2,500         | 197               | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402354-002BMS</b> Date Analyzed: 02/28/2014 1100h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.84   | mg/L  | SM4500-F-C   | 0.0125 | 0.100           | 1.000         | 0.811             | 103  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1402354-004AMS</b> Date Analyzed: 02/21/2014 1454h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)   | 14.2   | mg/L  | E353.2       | 0.0368 | 1.00            | 10.00         | 3.82              | 104  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402354-001BMS</b> Date Analyzed: 02/28/2014 841h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 1,710  | mg/L  | SM4500-SO4-E | 136    | 250             | 1,000         | 836               | 87.5 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method       | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-002BMSD</b> Date Analyzed: 02/28/2014 243h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 2,750  | mg/L  | E300.0       | 31.2   | 50.0            | 2,500         | 197               | 102  | 90 - 110 | 2740         | 0.436 | 20        |      |
| <b>Lab Sample ID: 1402354-002BMSD</b> Date Analyzed: 02/28/2014 1100h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.89   | mg/L  | SM4500-F-C   | 0.0125 | 0.100           | 1.000         | 0.811             | 108  | 80 - 120 | 1.84         | 2.68  | 10        |      |
| <b>Lab Sample ID: 1402354-004AMSD</b> Date Analyzed: 02/21/2014 1455h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)  | 14.6   | mg/L  | E353.2       | 0.0368 | 1.00            | 10.00         | 3.82              | 108  | 90 - 110 | 14.2         | 2.57  | 10        |      |
| <b>Lab Sample ID: 1402354-001BMSD</b> Date Analyzed: 02/28/2014 841h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 1,840  | mg/L  | SM4500-SO4-E | 136    | 250             | 1,000         | 836               | 100  | 80 - 120 | 1710         | 7.05  | 10        |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                                 | Result | Units                                 | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|---------------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC-D 022414A</b> |        | <b>Date Analyzed: 02/24/2014 805h</b> |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>                |        |                                       |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                         | 14.6   | µg/L                                  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 72.9 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 49.7   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 99.4 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 51.3   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 51.2   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 102  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 49.3   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 98.6 | 81 - 135 |              |       |           |      |



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Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                                | Result                         | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------------------------------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB VOC-D 022414A | Date Analyzed: 02/24/2014 843h |       |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 8260-W               |                                |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 1.00                         | µg/L  | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 51.7                           | µg/L  | SW8260C |       |                 | 50.00         |                   | 103  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 54.2                           | µg/L  | SW8260C |       |                 | 50.00         |                   | 108  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 52.4                           | µg/L  | SW8260C |       |                 | 50.00         |                   | 105  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 49.8                           | µg/L  | SW8260C |       |                 | 50.00         |                   | 99.7 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-001CMS</b> |        | Date Analyzed: 02/24/2014 1108h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                    |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                      | 17.1   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 3.25              | 69.3 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 49.5   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 99.0 | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 50.5   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 50.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 47.5   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 94.9 | 77 - 129 |              |       |           |      |



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Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1402354A

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** MSVOA

**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-001CMSD</b> |        | Date Analyzed: 02/24/2014 1127h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                     |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                       | 19.3   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 3.25              | 80.1 | 43 - 146 | 17.1         | 11.9  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 51.2   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 102  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 50.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 52.1   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 104  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 49.2   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 98.4 | 77 - 129 |              |       |           |      |

1402354A reports samples -001, -003, -004 & -005. MH

**WORK ORDER Summary**

Work Order: **1402354A** Page 1 of 1

**Client:** Energy Fuels Resources, Inc. **Due Date:** 3/4/2014  
**Client ID:** DEN100 **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014 **QC Level:** III **WO Type:** Project  
**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Samples for metals have been field filtered. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group./ 3-3-14 per instructions from Kathy Weinel, samples -001, -003, -004 & -005 will be reported out as 1402354A and samples -002 & -005 will be reported out as 1402354B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage      |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------|---|
| 1402354-001A | MW-01_02202014   | 2/20/2014 0930h | 2/21/2014 0920h | 200.8-DIS<br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
| 1402354-001B |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
| 1402354-001C |                  |                 |                 | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         | <input checked="" type="checkbox"/> | vOC          | 3 |
| 1402354-002A | MW-31_02172014   | 2/17/2014 1305h | 2/21/2014 0920h | 200.8-DIS<br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
| 1402354-002B |                  |                 |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df / so4     |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df / so4     |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
| 1402354-002C |                  |                 |                 | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         | <input checked="" type="checkbox"/> | vOC          | 3 |
| 1402354-002D |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds     | 1 |
| 1402354-002E |                  |                 |                 | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           |         | <input checked="" type="checkbox"/> | df / no2/no3 |   |
| 1402354-003A | MW-18_02192014   | 2/19/2014 1305h | 2/21/2014 0920h | 200.8-DIS<br><i>1 SEL Analytes: TL</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
| 1402354-003B |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
| 1402354-003C |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds     |   |
| 1402354-004A | MW-19_02182014   | 2/18/2014 1600h | 2/21/2014 0920h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3 | 1 |
| 1402354-005A | Trip Blank       | 2/17/2014       | 2/21/2014 0920h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | vOC          | 3 |







Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1402473B

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 13 sample(s) on 2/28/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

|                          |  |
|--------------------------|--|
| <b>Jose G.<br/>Rocha</b> | Digitally signed by Jose G. Rocha  |
|                          | DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US<br>Date: 2014.03.18 16:58:29 -08'00' |

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473B  
**Date Received:** 2/28/2014 927h

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                       |
|---------------|------------------|-----------------|---------|--------------------------------|
| 1402473-002A  | MW-03_02262014   | 2/26/2014 1300h | Aqueous | ICPMS Metals, Dissolved        |
| 1402473-002B  | MW-03_02262014   | 2/26/2014 1300h | Aqueous | Fluoride, Aqueous              |
| 1402473-006A  | MW-15_02252014   | 2/25/2014 1540h | Aqueous | ICPMS Metals, Dissolved        |
| 1402473-011A  | MW-27_02252014   | 2/25/2014 1140h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1402473-011B  | MW-27_02252014   | 2/25/2014 1140h | Aqueous | Sulfate, Aqueous               |
| 1402473-011B  | MW-27_02252014   | 2/25/2014 1140h | Aqueous | Anions, E300.0                 |
| 1402473-011C  | MW-27_02252014   | 2/25/2014 1140h | Aqueous | Total Dissolved Solids, A2540C |
| 1402473-012A  | MW-28_02262014   | 2/26/2014 1020h | Aqueous | ICPMS Metals, Dissolved        |
| 1402473-012B  | MW-28_02262014   | 2/26/2014 1020h | Aqueous | Anions, E300.0                 |
| 1402473-013A  | MW-29_02252014   | 2/25/2014 1325h | Aqueous | ICPMS Metals, Dissolved        |
| 1402473-013B  | MW-29_02252014   | 2/25/2014 1325h | Aqueous | Total Dissolved Solids, A2540C |

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473B

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 2/28/2014  
**Date(s) of Collection:** 2/25 & 2/26/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Duplicate (DUP):** The RPD for Total Dissolved Solids was outside of its control range on sample 1402473-001C due to suspected sample non-homogeneity or matrix interference.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units          | Method | MDL              | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|----------------|--------|------------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-30788 |        | Date Analyzed: |        | 03/07/2014 2000h |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS     |        | Date Prepared: |        | 02/28/2014 1355h |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.185  | mg/L           | E200.8 | 0.000222         | 0.00200         | 0.2000        | 0                 | 92.5 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-30788 |        | Date Analyzed: |        | 03/06/2014 1853h |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS     |        | Date Prepared: |        | 02/28/2014 1355h |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.197  | mg/L           | E200.8 | 0.0000726        | 0.000500        | 0.2000        | 0                 | 98.4 | 85 - 115 |              |       |           |      |
| Iron                            | 1.01   | mg/L           | E200.8 | 0.0472           | 0.100           | 1.000         | 0                 | 101  | 85 - 115 |              |       |           |      |
| Manganese                       | 0.201  | mg/L           | E200.8 | 0.00166          | 0.00200         | 0.2000        | 0                 | 100  | 85 - 115 |              |       |           |      |
| Selenium                        | 0.196  | mg/L           | E200.8 | 0.000686         | 0.00200         | 0.2000        | 0                 | 98.2 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.191  | mg/L           | E200.8 | 0.0000598        | 0.00200         | 0.2000        | 0                 | 95.7 | 85 - 115 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/07/2014 | 1951h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L       | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 1848h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L       | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L       | E200.8 | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L       | E200.8 | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 2059h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300       | mg/L       | E200.8 | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 2153h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L       | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-009EMS</b> |        | Date Analyzed: 03/07/2014 2133h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                             | 0.192  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000727          | 95.5 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402473-001EMS</b> |        | Date Analyzed: 03/06/2014 1914h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.196  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 98.0 | 75 - 125 |              |       |           |      |
| Iron                                 | 1.11   | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0.113             | 100  | 75 - 125 |              |       |           |      |
| Manganese                            | 0.350  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.163             | 93.8 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.203  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 102  | 75 - 125 |              |       |           |      |
| Uranium                              | 0.201  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.000996          | 99.8 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402473-009EMS</b> |        | Date Analyzed: 03/06/2014 2022h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.194  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 96.8 | 75 - 125 |              |       |           |      |
| Iron                                 | 0.975  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0848            | 89.0 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.198  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 99.0 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.431  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.249             | 91.4 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.222  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0223            | 100  | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units            | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|--------|------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID: 1402473-009EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/07/2014 2143h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Thallium                              | 0.192  | mg/L             | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000727          | 95.4 | 75 - 125 | 0.192        | 0.0637 | 20        |      |
| <b>Lab Sample ID: 1402473-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/06/2014 1920h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.199  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 99.5 | 75 - 125 | 0.196        | 1.55   | 20        |      |
| Iron                                  | 1.12   | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.113             | 101  | 75 - 125 | 1.11         | 0.623  | 20        |      |
| Manganese                             | 0.367  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.163             | 102  | 75 - 125 | 0.35         | 4.60   | 20        |      |
| Selenium                              | 0.207  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 103  | 75 - 125 | 0.203        | 1.81   | 20        |      |
| Uranium                               | 0.207  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.000996          | 103  | 75 - 125 | 0.201        | 3.07   | 20        |      |
| <b>Lab Sample ID: 1402473-009EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/06/2014 2027h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.197  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 98.3 | 75 - 125 | 0.194        | 1.49   | 20        |      |
| Iron                                  | 0.973  | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0848            | 88.8 | 75 - 125 | 0.975        | 0.139  | 20        |      |
| Manganese                             | 0.193  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 96.4 | 75 - 125 | 0.198        | 2.63   | 20        |      |
| Selenium                              | 0.437  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.249             | 94.2 | 75 - 125 | 0.431        | 1.31   | 20        |      |
| Uranium                               | 0.221  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0223            | 99.6 | 75 - 125 | 0.222        | 0.451  | 20        |      |



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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1402473B

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402473-001CDUP |        | Date Analyzed: 02/28/2014 1400h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 2,000  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 1840         | 8.75  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.





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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte                          | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|----------------------------------|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-R65564 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 02/28/2014 1807h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W               |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                         | 4.84   | mg/L  | E300.0       | 0.0623  | 0.100           | 5.000         | 0                 | 96.8 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65602 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/04/2014 1040h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC            |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                         | 0.961  | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 96.1 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65631 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/04/2014 1801h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2       |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)           | 0.972  | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 97.2 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65655 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/05/2014 720h   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E        |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                          | 1,020  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65625 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 02/28/2014 1400h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C           |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids           | 200    | mg/L  | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 97.6 | 80 - 120 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte   | Result  | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R65564</b> Date Analyzed: 02/28/2014 1745h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride  | < 0.100 | mg/L  | E300.0       | 0.0623  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65602</b> Date Analyzed: 03/04/2014 1040h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC   |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride  | < 0.100 | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65631</b> Date Analyzed: 03/04/2014 1800h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                      |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)  | < 0.100 | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65655</b> Date Analyzed: 03/05/2014 720h  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E                                       |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | < 5.00  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65625</b> Date Analyzed: 02/28/2014 1400h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | < 10.0  | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte   | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402473-001BMS      Date Analyzed: 02/28/2014 2341h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 279    | mg/L  | E300.0       | 3.12    | 5.00            | 250.0         | 30.8              | 99.4 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> 1402473-001BMS      Date Analyzed: 03/04/2014 1040h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.52   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.483             | 104  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID:</b> 1402473-003DMS      Date Analyzed: 03/04/2014 1822h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.06   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.0429            | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> 1402473-001BMS      Date Analyzed: 03/05/2014 720h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 2,270  | mg/L  | SM4500-SO4-E | 136     | 250             | 1,000         | 1150              | 112  | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/01/2014 004h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 283    | mg/L  | E300.0       | 3.12    | 5.00            | 250.0         | 30.8              | 101  | 90 - 110 | 279          | 1.21  | 20        |      |
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/04/2014 1040h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.57   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.483             | 109  | 80 - 120 | 1.52         | 3.24  | 10        |      |
| <b>Lab Sample ID: 1402473-003DMSD</b> Date Analyzed: 03/04/2014 1823h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.06   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.0429            | 102  | 90 - 110 | 1.06         | 0.566 | 10        |      |
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/05/2014 720h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 2,130  | mg/L  | SM4500-SO4-E | 136     | 250             | 1,000         | 1150              | 98.4 | 80 - 120 | 2270         | 5.97  | 10        |      |

1402473B reports samples -002, -006, -011, -012 & -013. MH

**WORK ORDER Summary**

Work Order: **1402473B** Page 1 of 3

**Client:** Energy Fuels Resources, Inc.

Due Date: 3/11/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Ground Water 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for dissolved metals have been field filtered. Run Fe by 200.8 for necessary reporting limits. / 3-3-14 per instructions from Kathy Weinel, -007 & -009 are cancelled; the VOC analyte list is updated for -004 & -010; Report samples -001, -003, -004, -005, -008 & -010 as 1402473A and samples -002, -006, -011, -012 & -013 as 1402473B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1402473-001A | MW-11_02242014   | 2/24/2014 1130h | 2/28/2014 0927h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402473-001B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402473-001D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402473-001E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402473-002A | MW-03_02262014   | 2/26/2014 1300h | 2/28/2014 0927h | 200.8-DIS   | Aqueous | <input checked="" type="checkbox"/> | df / dis mct       | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: SE</i>   |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis mct       |   |
| 1402473-002B |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df / wc            |   |
| 1402473-003A | MW-14_02242014   | 2/24/2014 0930h | 2/28/2014 0927h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402473-003B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-003C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402473-003D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |

# WORK ORDER Summary

Work Order: **1402473B** Page 2 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 3/11/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code  | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|--|---------|-------------------------------------|--------------------|---|
| 1402473-003E | MW-14_02242014   | 2/24/2014 0930h | 2/28/2014 0927h | 200.8-DIS<br>6 SEL Analytes: CD FE MN SE TL U                        | Aqueous | <input checked="" type="checkbox"/> | df-mct             | 1 |
|              |                  |                 |                 | 200.8-DIS-PR   |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402473-004A | MW-26_02242014   | 2/24/2014 1435h | 2/28/2014 0927h | 8260-W<br>Test Group: 8260-W-Custom; # of Analytes: 3 / # of Surr: 4 | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-004B |                  |                 |                 | 300.0-W<br>1 SEL Analytes: CL  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC   |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E   |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-004C |                  |                 |                 | TDS-W-2540C<br>1 SEL Analytes: TDS                                   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
| 1402473-004D |                  |                 |                 | NO2/NO3-W-353.2<br>1 SEL Analytes: NO3NO2N                           |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
| 1402473-004E |                  |                 |                 | 200.8-DIS<br>6 SEL Analytes: CD FE MN SE TL U                        |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | 200.8-DIS-PR   |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402473-005A | MW-30_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | 8260-W<br>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4 | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-005B |                  |                 |                 | 300.0-W<br>1 SEL Analytes: CL  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC   |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E   |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-005C |                  |                 |                 | TDS-W-2540C<br>1 SEL Analytes: TDS                                   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
| 1402473-005D |                  |                 |                 | NO2/NO3-W-353.2<br>1 SEL Analytes: NO3NO2N                           |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
| 1402473-005E |                  |                 |                 | 200.8-DIS<br>6 SEL Analytes: CD FE MN SE TL U                        |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | 200.8-DIS-PR   |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402473-006A | MW-15_02252014   | 2/25/2014 1540h | 2/28/2014 0927h | 200.8-DIS<br>2 SEL Analytes: FE SE                                   | Aqueous | <input checked="" type="checkbox"/> | df / dis mct       | 1 |
|              |                  |                 |                 | 200.8-DIS-PR   |         | <input type="checkbox"/>            | df / dis mct       |   |
| 1402473-007A | MW-36_02262014   | 2/26/2014 0815h | 2/28/2014 0927h |  | Aqueous | <input type="checkbox"/>            | sample cancelled   | 1 |
| 1402473-008A | MW-65_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | 8260-W<br>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4 | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-008B |                  |                 |                 | 300.0-W<br>1 SEL Analytes: CL  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC   |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E   |         | <input type="checkbox"/>            | df - wc            |   |

# WORK ORDER Summary

Work Order: **1402473B** Page 3 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 3/11/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code  | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|--|---------|-------------------------------------|--------------------|---|
| 1402473-008C | MW-65_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | <b>TDS-W-2540C</b><br><i>1 SEL Analytes: TDS</i>                                   | Aqueous | <input checked="" type="checkbox"/> | ww - tds           | 1 |
| 1402473-008D |                  |                 |                 | <b>NO2/NO3-W-353.2</b><br><i>1 SEL Analytes: NO3NO2N</i>                           |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
| 1402473-008E |                  |                 |                 | <b>200.8-DIS</b><br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <b>200.8-DIS-PR</b>  |         | <input checked="" type="checkbox"/> | df-met             |   |
| 1402473-009A | MW-70_02262014   | 2/26/2014 0815h | 2/28/2014 0927h |  | Aqueous | <input type="checkbox"/>            | sample cancelled   | 1 |
| 1402473-010A | Trip Blank       | 2/24/2014       | 2/28/2014 0927h | <b>8260-W</b><br><i>Test Group: 8260-W-Custom; # of Analytes: 3 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-011A | MW-27_02252014   | 2/25/2014 1140h | 2/28/2014 0927h | <b>NO2/NO3-W-353.2</b><br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3       | 1 |
| 1402473-011B |                  |                 |                 | <b>300.0-W</b><br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df / wc            |   |
|              |                  |                 |                 | <b>SO4-W-4500SO4E</b>  |         | <input type="checkbox"/>            | df / wc            |   |
| 1402473-011C |                  |                 |                 | <b>TDS-W-2540C</b><br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
| 1402473-012A | MW-28_02262014   | 2/26/2014 1020h | 2/28/2014 0927h | <b>200.8-DIS</b><br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |
|              |                  |                 |                 | <b>200.8-DIS-PR</b>  |         | <input type="checkbox"/>            | df / dis met       |   |
| 1402473-012B |                  |                 |                 | <b>300.0-W</b><br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df / wc            |   |
| 1402473-013A | MW-29_02252014   | 2/25/2014 1325h | 2/28/2014 0927h | <b>200.8-DIS</b><br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |
|              |                  |                 |                 | <b>200.8-DIS-PR</b>  |         | <input type="checkbox"/>            | df / dis met       |   |
| 1402473-013B |                  |                 |                 | <b>TDS-W-2540C</b><br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | df / wc            |   |



**AMERICAN WEST  
ANALYTICAL LABORATORIES**

463 W. 3600 S. SALT LAKE CITY, UT 84115  
PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
WWW.AWAL-LABS.COM

**CHAIN OF CUSTODY**

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1402473 B

AWAL LAB SAMPLE SET #  
PAGE 1 OF 1

CLIENT: **Energy Fuels Resources, Inc.**  
ADDRESS: **6425 S. Hwy. 191  
Blanding, UT 84511**  
CONTACT: **Garrin Palmer**  
PHONE #: **(435) 678-2221** CELL #:  
EMAIL: **gpalmer@energyfuels.com; KWeinel@energyfuels.com;  
dturk@energyfuels.com**  
PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
PROJECT #:  
PO #:  
SAMPLER NAME: **TANNER HOLLIDAY**

| QC LEVEL:                 |                      | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 | DUE DATE:                         |                    |              |                                 |                                 |                                  |                                  |                     |                    |                     |                              |  |
|---------------------------|----------------------|-------------------|-----------------|--|-----------------|-----------------------------------|--------------------|--------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------|--------------------|---------------------|------------------------------|--|
| 3                         |                      | STANDARD          |                 |  |                 |                                   |                    |              |                                 |                                 |                                  |                                  |                     |                    |                     |                              |  |
| SAMPLE ID                 | DATE SAMPLED         | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | ANALYTES        |                                   |                    |              |                                 |                                 |                                  |                                  |                     |                    | LABORATORY USE ONLY |                              |  |
|                           |                      |                   |                 |  | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C)  | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO4 (4500 or 300.0) | F1 (4500 or 300.0) |                     | Dissolved Iron (200.7/200.8) | VOCs THF (8260C)   |
| <del>MW-11_02242014</del> | <del>2/24/2014</del> | <del>1120</del>   | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        | <del>X</del>                 | LABORATORY USE ONLY<br>SAMPLE WERE: <b>FedEx</b><br>SHIPPED OR HAND DELIVERED: <input checked="" type="checkbox"/><br>2. AMBIENT OR COOLED: <input checked="" type="checkbox"/><br>3. TEMPERATURE: <b>24</b> °C<br>4. RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED): <input checked="" type="checkbox"/><br>5. PROPERLY PRESERVED: <input checked="" type="checkbox"/><br>6. CHECKED AT BENCH: <input checked="" type="checkbox"/><br>7. RECEIVED WITHIN HOURLY TIMES: <input checked="" type="checkbox"/><br>8. PRESENT ON OUTER PACKAGE: <input checked="" type="checkbox"/><br>9. UNBROKEN ON OUTER PACKAGE: <input checked="" type="checkbox"/><br>10. PRESENT ON SAMPLE: <input checked="" type="checkbox"/><br>11. UNBROKEN ON SAMPLE: <input checked="" type="checkbox"/><br>DISCREPANCIES BETWEEN SAMPLE LABEL AND CQC RECORD: <input checked="" type="checkbox"/> |
| <del>MW-03_02262014</del> | <del>2/26/2014</del> | <del>1300</del>   | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-14_02242014</del> | <del>2/24/2014</del> | <del>090</del>    | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-26_02242014</del> | <del>2/24/2014</del> | <del>1425</del>   | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-09_02252014</del> | <del>2/25/2014</del> | <del>1980</del>   | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-15_02252014</del> | <del>2/25/2014</del> | <del>1540</del>   | <del>1</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-06_02262014</del> | <del>2/26/2014</del> | <del>015</del>    | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-05_02252014</del> | <del>2/25/2014</del> | <del>1020</del>   | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>MW-70_02262014</del> | <del>2/26/2014</del> | <del>015</del>    | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| <del>TRIT BLANK</del>     | <del>2/24/2014</del> | <del></del>       | <del>2</del>    | <del>W</del>   | <del>X</del>    | <del>X</del>                      | <del>X</del>       | <del>X</del> | <del>X</del>                    | <del>X</del>                    | <del>X</del>                     | <del>X</del>                     | <del>X</del>        | <del>X</del>       | <del>X</del>        |                              |  |
| MW-27_02252014            | 2/25/2014            | 1140              | 3               | W  | X               |                                   | X                  | X            |                                 |                                 |                                  | X                                |                     |                    |                     |                              |  |
| MW-28_02262014            | 2/26/2014            | 1020              | 2               | W  |                 | X                                 | X                  |              |                                 |                                 |                                  |                                  |                     |                    |                     |                              |  |
| MW-29_02252014            | 2/25/2014            | 1325              | 2               | W  |                 | X                                 | X                  |              |                                 |                                 |                                  |                                  |                     |                    |                     |                              |  |

Per Kathy Weinel, Samples -007 & -009 are cancelled. Samples -001, -003, -004, -005, -008 & -010 have been moved to 1402473A. MH 3-3-14

MH 3-3-14

|  |                 |   |               |
|--|-----------------|---|---------------|
| RELINQUISHED BY: <i>Tanner Holliday</i><br>SIGNATURE | DATE: 2/27/2014 | RECEIVED BY: <i>Denise Bruun</i><br>SIGNATURE | DATE: 2/28/14 |
| PRINT NAME: <i>Tanner Holliday</i>                   | TIME: 1000      | PRINT NAME: <i>Denise Bruun</i>               | TIME: 9:27    |
| RELINQUISHED BY: _____<br>SIGNATURE                  | DATE: _____     | RECEIVED BY: _____<br>SIGNATURE               | DATE: _____   |
| PRINT NAME: _____                                    | TIME: _____     | PRINT NAME: _____                             | TIME: _____   |
| RELINQUISHED BY: _____<br>SIGNATURE                  | DATE: _____     | RECEIVED BY: _____<br>SIGNATURE               | DATE: _____   |
| PRINT NAME: _____                                    | TIME: _____     | PRINT NAME: _____                             | TIME: _____   |

SPECIAL INSTRUCTIONS:  
Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.  
*Temp Blank included in cooler.*

Sample Set: 1402473

Preservation Check Sheet

Sample Set Extension and pH

| Bottle Type                       | Preservative                         | All<br>OK | Except |  |
|-----------------------------------|--------------------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|                                   |                                      |           | -001   | -002   | -003   | -004   | -005   | -006   | -007   | -008   | -009   | -011   | -012   |        |        |        |        |  |
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cyanide                           | pH >12 NaOH                          |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Metals                            | pH <2 HNO <sub>3</sub>               |           | yes    |        |        |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> |           | yes    |        | yes    | yes    | yes    |        | yes    | yes    | yes    |        |        |        |        |        |        |  |
| Nutrients                         | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| O & G                             | pH <2 HCL                            |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TOC                               | pH <2 H <sub>3</sub> PO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TOX                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TPH                               | pH <2 HCL                            |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |

see 2/28/14

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1403270

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 9 sample(s) on 3/14/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued on 3/31/2014. The sample ID has been updated on AWAL 1403270-004. Pages 1-5, 11, 19 & 27 have been updated.

Thank You,

**Kyle F. Gross**  
Digitally signed by Kyle F. Gross  
DN: cn=Kyle F. Gross, o=AWAL,  
ou=AWAL-Laboratory Director,  
email=kyle@awal-labs.com, c=US  
Date: 2014.04.11 15:52:30 -06'00'

Approved by:

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270  
**Date Received:** 3/14/2014 1115h

| 463 West 3600 South<br>Salt Lake City, UT 84115 | Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                                   |
|---|---------------|------------------|-----------------|---------|--|
|   | 1403270-001A  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
|   | 1403270-001B  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
|   | 1403270-001B  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Chloride, Aqueous                          |
| Phone: (801) 263-8686                           | 1403270-001B  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Fluoride, Aqueous                          |
| Toll Free: (888) 263-8686                       | 1403270-001B  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Sulfate, Aqueous                           |
| Fax: (801) 263-8687                             | 1403270-001C  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Total Dissolved Solids, A2540C             |
| e-mail: awal@awal-labs.com                      | 1403270-001D  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
|   | 1403270-001D  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Ammonia, Aqueous                           |
| web: www.awal-labs.com                          | 1403270-001E  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Ion Balance                                |
|   | 1403270-001E  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | ICP Metals, Dissolved                      |
|   | 1403270-001E  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | ICPMS Metals, Dissolved                    |
| Kyle F. Gross<br>Laboratory Director            | 1403270-001E  | MW-11_03112014   | 3/11/2014 1200h | Aqueous | Mercury, Drinking Water Dissolved          |
|   | 1403270-002A  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| Jose Rocha                                      | 1403270-002B  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Chloride, Aqueous                          |
| QA Officer                                      | 1403270-002B  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Fluoride, Aqueous                          |
|   | 1403270-002B  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Sulfate, Aqueous                           |
|   | 1403270-002B  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
|   | 1403270-002C  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Total Dissolved Solids, A2540C             |
|   | 1403270-002D  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
|   | 1403270-002D  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Ammonia, Aqueous                           |
|   | 1403270-002E  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Ion Balance                                |
|   | 1403270-002E  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | ICP Metals, Dissolved                      |
|   | 1403270-002E  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | ICPMS Metals, Dissolved                    |
|   | 1403270-002E  | MW-14_03112014   | 3/11/2014 1010h | Aqueous | Mercury, Drinking Water Dissolved          |
|   | 1403270-003A  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
|   | 1403270-003B  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
|   | 1403270-003B  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Chloride, Aqueous                          |
|   | 1403270-003B  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Sulfate, Aqueous                           |
|   | 1403270-003B  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Fluoride, Aqueous                          |
|   | 1403270-003C  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Total Dissolved Solids, A2540C             |



**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270  
**Date Received:** 3/14/2014 1115h

**Contact:** Garrin Palmer

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686

Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                                   |
|---------------|------------------|-----------------|---------|--|
| 1403270-003D  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-003D  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Ammonia, Aqueous                           |
| 1403270-003E  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Ion Balance                                |
| 1403270-003E  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-003E  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403270-003E  | MW-25_03102014   | 3/10/2014 1215h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403270-004A  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403270-004B  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Chloride, Aqueous                          |
| 1403270-004B  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Fluoride, Aqueous                          |
| 1403270-004B  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Sulfate, Aqueous                           |
| 1403270-004B  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403270-004C  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403270-004D  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-004D  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Ammonia, Aqueous                           |
| 1403270-004E  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Ion Balance                                |
| 1403270-004E  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-004E  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403270-004E  | MW-26_03122014   | 3/12/2014 1230h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403270-005A  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403270-005B  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403270-005B  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Chloride, Aqueous                          |
| 1403270-005B  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Sulfate, Aqueous                           |
| 1403270-005B  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Fluoride, Aqueous                          |
| 1403270-005C  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403270-005D  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-005D  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Ammonia, Aqueous                           |
| 1403270-005E  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Ion Balance                                |
| 1403270-005E  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-005E  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403270-005E  | MW-30_03112014   | 3/11/2014 1400h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403270-006A  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403270-006B  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Chloride, Aqueous                          |



**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270  
**Date Received:** 3/14/2014 1115h

**Contact:** Garrin Palmer

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Salt Lake City, UT 84115

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 Toll Free: (888) 263-8686  
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 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                                   |
|---------------|------------------|-----------------|---------|--|
| 1403270-006B  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Sulfate, Aqueous                           |
| 1403270-006B  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Fluoride, Aqueous                          |
| 1403270-006B  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403270-006C  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403270-006D  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-006D  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Ammonia, Aqueous                           |
| 1403270-006E  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Ion Balance                                |
| 1403270-006E  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-006E  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403270-006E  | MW-31_03102014   | 3/11/2014 1410h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403270-007A  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403270-007B  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403270-007B  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Chloride, Aqueous                          |
| 1403270-007B  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Sulfate, Aqueous                           |
| 1403270-007B  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Fluoride, Aqueous                          |
| 1403270-007C  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403270-007D  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-007D  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Ammonia, Aqueous                           |
| 1403270-007E  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Ion Balance                                |
| 1403270-007E  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-007E  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403270-007E  | MW-35_03112014   | 3/11/2014 1340h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403270-008A  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403270-008B  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Chloride, Aqueous                          |
| 1403270-008B  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Sulfate, Aqueous                           |
| 1403270-008B  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Fluoride, Aqueous                          |
| 1403270-008B  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403270-008C  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403270-008D  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403270-008D  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Ammonia, Aqueous                           |
| 1403270-008E  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | ICP Metals, Dissolved                      |
| 1403270-008E  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | ICPMS Metals, Dissolved                    |



**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270  
**Date Received:** 3/14/2014 1115h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                          |
|---------------|------------------|-----------------|---------|-----------------------------------|
| 1403270-008E  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Mercury, Drinking Water Dissolved |
| 1403270-008E  | MW-75_03112014   | 3/11/2014 1010h | Aqueous | Ion Balance                       |
| 1403270-009A  | Trip Blank       | 3/10/2014       | Aqueous | VOA by GC/MS Method 8260C/5030C   |

*Reissue of a previously generated report. Sample ID on sampe 1403270-004 has been updated. Information herein supersedes that of the previously issued reports.*

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270

463 West 3600 South  
Salt Lake City, UT 84115

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Fax: (801) 263-8687  
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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### Sample Receipt Information:

**Date of Receipt:** 3/14/2014  
**Date(s) of Collection:** 3/10, 3/11 & 3/12/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, LCSD, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD):** All LCS and LCSD recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

| Sample ID    | Analyte                | QC     | Explanation                |
|--------------|------------------------|--------|----------------------------|
| 1403270-001B | Chloride               | MS/MSD | Sample matrix interference |
| 1403270-001D | Nitrate-Nitrite (as N) | RPD    | Sample non-homogeneity     |
| 1403270-001E | Calcium                | MSD    | High analyte concentration |
| 1403270-001E | Sodium                 | MS/MSD | High analyte concentration |
| 1403270-002D | Ammonia                | MS/RPD | Sample matrix interference |

**Duplicate (DUP):** The RPD was outside of its control range for Total Dissolved Solids on sample 1403270-001C due to suspected sample non-homogeneity or matrix interference.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403270

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Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 3/14/2014  
**Date(s) of Collection:** 3/10, 3/11 & 3/12/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None  
**Method:** SW-846 8260C/5030C  
**Analysis:** Volatile Organic Compounds

**General Set Comments:** Multiple target analytes were observed above reporting limits on sample 1403270-004A.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-31099</b> |        | Date Analyzed: 03/24/2014 1121h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.7-DIS            |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                         | 9.10   | mg/L                            | E200.7 | 0.00892   | 1.00            | 10.00         | 0                 | 91.0 | 85 - 115 |              |       |           |      |
| Magnesium                       | 8.89   | mg/L                            | E200.7 | 0.0389    | 1.00            | 10.00         | 0                 | 88.9 | 85 - 115 |              |       |           |      |
| Potassium                       | 8.78   | mg/L                            | E200.7 | 0.0721    | 1.00            | 10.00         | 0                 | 87.8 | 85 - 115 |              |       |           |      |
| Sodium                          | 8.64   | mg/L                            | E200.7 | 0.0269    | 1.00            | 10.00         | 0                 | 86.4 | 85 - 115 |              |       |           |      |
| Vanadium                        | 0.176  | mg/L                            | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 88.0 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31087</b> |        | Date Analyzed: 03/24/2014 816h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.175  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 87.7 | 85 - 115 |              |       |           |      |
| Cobalt                          | 0.181  | mg/L                            | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 90.3 | 85 - 115 |              |       |           |      |
| Lead                            | 0.185  | mg/L                            | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 92.7 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.176  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 88.2 | 85 - 115 |              |       |           |      |
| Tin                             | 0.888  | mg/L                            | E200.8 | 0.000620  | 0.00200         | 1.000         | 0                 | 88.8 | 85 - 115 |              |       |           |      |
| Zinc                            | 0.865  | mg/L                            | E200.8 | 0.00368   | 0.00500         | 1.000         | 0                 | 86.5 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31087</b> |        | Date Analyzed: 03/24/2014 1210h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.174  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0                 | 87.1 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31087</b> |        | Date Analyzed: 03/27/2014 445h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                         | 0.186  | mg/L                            | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 92.8 | 85 - 115 |              |       |           |      |
| Chromium                        | 0.177  | mg/L                            | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 88.7 | 85 - 115 |              |       |           |      |
| Iron                            | 0.897  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 89.7 | 85 - 115 |              |       |           |      |
| Molybdenum                      | 0.197  | mg/L                            | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0                 | 98.6 | 85 - 115 |              |       |           |      |
| Nickel                          | 0.181  | mg/L                            | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0                 | 90.3 | 85 - 115 |              |       |           |      |
| Selenium                        | 0.190  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 94.9 | 85 - 115 |              |       |           |      |
| Silver                          | 0.194  | mg/L                            | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 97.0 | 85 - 115 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                           | Result  | Units          | Method           | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|---------|----------------|------------------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-31087</b>   |         | Date Analyzed: | 03/27/2014 1946h |            |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>       |         | Date Prepared: | 03/17/2014 825h  |            |                 |               |                   |      |          |              |       |           |      |
| Copper                            | 0.184   | mg/L           | E200.8           | 0.00152    | 0.00200         | 0.2000        | 0                 | 92.1 | 85 - 115 |              |       |           |      |
| Uranium                           | 0.185   | mg/L           | E200.8           | 0.0000598  | 0.00200         | 0.2000        | 0                 | 92.6 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31087</b>   |         | Date Analyzed: | 03/21/2014 1705h |            |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>       |         | Date Prepared: | 03/17/2014 825h  |            |                 |               |                   |      |          |              |       |           |      |
| Beryllium                         | 0.173   | mg/L           | E200.8           | 0.0000698  | 0.00200         | 0.2000        | 0                 | 86.6 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31102</b>   |         | Date Analyzed: | 03/18/2014 924h  |            |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: Hg-DW-DIS-245.1</b> |         | Date Prepared: | 03/17/2014 1335h |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                           | 0.00343 | mg/L           | E245.1           | 0.00000675 | 0.000150        | 0.003330      | 0                 | 103  | 85 - 115 |              |       |           |      |



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Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                         | Result     | Units | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|------------|-------|--------|-----------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-31099</b>  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/24/2014 1117h |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.7-DIS            |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/17/2014 825h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Calcium                         | < 1.00     | mg/L  | E200.7 | 0.00892   | 1.00            |               |                   |      |        |              |       |           |      |
| Magnesium                       | < 1.00     | mg/L  | E200.7 | 0.0389    | 1.00            |               |                   |      |        |              |       |           |      |
| Potassium                       | < 1.00     | mg/L  | E200.7 | 0.0721    | 1.00            |               |                   |      |        |              |       |           |      |
| Sodium                          | < 1.00     | mg/L  | E200.7 | 0.0269    | 1.00            |               |                   |      |        |              |       |           |      |
| Vanadium                        | < 0.00500  | mg/L  | E200.7 | 0.000596  | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31087</b>  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/24/2014 806h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/17/2014 825h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Cadmium                         | < 0.000500 | mg/L  | E200.8 | 0.0000726 | 0.000500        |               |                   |      |        |              |       |           |      |
| Cobalt                          | < 0.0100   | mg/L  | E200.8 | 0.00364   | 0.0100          |               |                   |      |        |              |       |           |      |
| Manganese                       | < 0.0100   | mg/L  | E200.8 | 0.00166   | 0.0100          |               |                   |      |        |              |       |           |      |
| Tin                             | < 0.100    | mg/L  | E200.8 | 0.000620  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31087</b>  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/24/2014 1200h |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/17/2014 825h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Thallium                        | < 0.000500 | mg/L  | E200.8 | 0.0000555 | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31087</b>  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/27/2014 439h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/17/2014 825h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Arsenic                         | < 0.00500  | mg/L  | E200.8 | 0.00118   | 0.00500         |               |                   |      |        |              |       |           |      |
| Chromium                        | < 0.0250   | mg/L  | E200.8 | 0.000938  | 0.0250          |               |                   |      |        |              |       |           |      |
| Molybdenum                      | < 0.0100   | mg/L  | E200.8 | 0.000496  | 0.0100          |               |                   |      |        |              |       |           |      |
| Nickel                          | < 0.0200   | mg/L  | E200.8 | 0.000898  | 0.0200          |               |                   |      |        |              |       |           |      |
| Selenium                        | < 0.00500  | mg/L  | E200.8 | 0.000686  | 0.00500         |               |                   |      |        |              |       |           |      |
| Silver                          | < 0.0100   | mg/L  | E200.8 | 0.000101  | 0.0100          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31087</b>  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/27/2014 626h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS            |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/17/2014 825h  |            |       |        |           |                 |               |                   |      |        |              |       |           |      |
| Iron                            | < 0.0300   | mg/L  | E200.8 | 0.0118    | 0.0300          |               |                   |      |        |              |       |           |      |
| Lead                            | < 0.00100  | mg/L  | E200.8 | 0.000316  | 0.00100         |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
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Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                           | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-31087    | Date Analyzed: | 03/21/2014 | 1659h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/17/2014 | 825h   |            |                 |               |                   |      |        |              |       |           |      |
| Beryllium                         | < 0.00200      | mg/L       | E200.8 | 0.0000698  | 0.00200         |               |                   |      |        |              |       |           |      |
| Zinc                              | < 0.0100       | mg/L       | E200.8 | 0.00368    | 0.0100          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31087    | Date Analyzed: | 03/27/2014 | 1951h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/17/2014 | 825h   |            |                 |               |                   |      |        |              |       |           |      |
| Copper                            | < 0.0100       | mg/L       | E200.8 | 0.00152    | 0.0100          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31087    | Date Analyzed: | 03/27/2014 | 2147h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/17/2014 | 825h   |            |                 |               |                   |      |        |              |       |           |      |
| Beryllium                         | < 0.000500     | mg/L       | E200.8 | 0.0000174  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31087    | Date Analyzed: | 03/27/2014 | 2252h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/17/2014 | 825h   |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                           | < 0.000300     | mg/L       | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31102    | Date Analyzed: | 03/18/2014 | 923h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> Hg-DW-DIS-245.1 | Date Prepared: | 03/17/2014 | 1335h  |            |                 |               |                   |      |        |              |       |           |      |
| Mercury                           | < 0.000150     | mg/L       | E245.1 | 0.00000675 | 0.000150        |               |                   |      |        |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|-------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001EMS</b> |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/24/2014 1137h      |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.7-DIS                 |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/17/2014 825h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                              | 77.9   | mg/L  | E200.7 | 0.446     | 50.0            | 10.00         | 66.5              | 114  | 70 - 130 |              |       |           |      |
| Sodium                               | 556    | mg/L  | E200.7 | 1.34      | 50.0            | 10.00         | 540               | 160  | 70 - 130 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001EMS</b> |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/24/2014 1601h      |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.7-DIS                 |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/17/2014 825h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Magnesium                            | 31.0   | mg/L  | E200.7 | 0.0389    | 1.00            | 10.00         | 21.7              | 92.4 | 70 - 130 |              |       |           |      |
| Potassium                            | 16.3   | mg/L  | E200.7 | 0.0721    | 1.00            | 10.00         | 6.72              | 95.6 | 70 - 130 |              |       |           |      |
| Vanadium                             | 0.176  | mg/L  | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 88.1 | 70 - 130 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001EMS</b> |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/24/2014 837h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/17/2014 825h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.174  | mg/L  | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 87.0 | 75 - 125 |              |       |           |      |
| Cobalt                               | 0.173  | mg/L  | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 86.3 | 75 - 125 |              |       |           |      |
| Lead                                 | 0.179  | mg/L  | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 89.7 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.304  | mg/L  | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.134             | 84.9 | 75 - 125 |              |       |           |      |
| Thallium                             | 0.163  | mg/L  | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000196          | 81.4 | 75 - 125 |              |       |           |      |
| Tin                                  | 0.914  | mg/L  | E200.8 | 0.000620  | 0.00200         | 1.000         | 0.00183           | 91.3 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001EMS</b> |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/27/2014 506h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/17/2014 825h       |        |       |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                              | 0.182  | mg/L  | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 91.1 | 75 - 125 |              |       |           |      |
| Chromium                             | 0.173  | mg/L  | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 86.5 | 75 - 125 |              |       |           |      |
| Iron                                 | 0.971  | mg/L  | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0907            | 88.1 | 75 - 125 |              |       |           |      |
| Molybdenum                           | 0.182  | mg/L  | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0.00243           | 90.0 | 75 - 125 |              |       |           |      |
| Nickel                               | 0.175  | mg/L  | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0                 | 87.4 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.192  | mg/L  | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 95.9 | 75 - 125 |              |       |           |      |
| Silver                               | 0.162  | mg/L  | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 81.2 | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result  | Units          | Method           | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|---------|----------------|------------------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001EMS</b> |         | Date Analyzed: | 03/21/2014 1726h |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |         | Date Prepared: | 03/17/2014 825h  |            |                 |               |                   |      |          |              |       |           |      |
| Beryllium                            | 0.169   | mg/L           | E200.8           | 0.0000698  | 0.00200         | 0.2000        | 0                 | 84.7 | 75 - 125 |              |       |           |      |
| Zinc                                 | 0.797   | mg/L           | E200.8           | 0.00368    | 0.0100          | 1.000         | 0                 | 79.7 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001EMS</b> |         | Date Analyzed: | 03/27/2014 2008h |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |         | Date Prepared: | 03/17/2014 825h  |            |                 |               |                   |      |          |              |       |           |      |
| Copper                               | 0.184   | mg/L           | E200.8           | 0.00152    | 0.00200         | 0.2000        | 0                 | 92.2 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.197   | mg/L           | E200.8           | 0.0000598  | 0.00200         | 0.2000        | 0.000671          | 98.0 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001EMS</b> |         | Date Analyzed: | 03/18/2014 931h  |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: Hg-DW-DIS-245.1           |         | Date Prepared: | 03/17/2014 1335h |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                              | 0.00348 | mg/L           | E245.1           | 0.00000675 | 0.000150        | 0.003330      | 0                 | 104  | 85 - 115 |              |       |           |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



463 West 3600 South

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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001EMSD</b> |        | Date Analyzed: 03/24/2014 1141h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.7-DIS                  |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                               | 80.3   | mg/L                            | E200.7 | 0.446     | 50.0            | 10.00         | 66.5              | 138  | 70 - 130 | 77.9         | 3.03  | 20        | 2    |
| Sodium                                | 582    | mg/L                            | E200.7 | 1.34      | 50.0            | 10.00         | 540               | 420  | 70 - 130 | 556          | 4.57  | 20        | 2    |
| <b>Lab Sample ID: 1403270-001EMSD</b> |        | Date Analyzed: 03/24/2014 1605h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.7-DIS                  |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Magnesium                             | 32.0   | mg/L                            | E200.7 | 0.0389    | 1.00            | 10.00         | 21.7              | 103  | 70 - 130 | 31           | 3.34  | 20        |      |
| Potassium                             | 16.6   | mg/L                            | E200.7 | 0.0721    | 1.00            | 10.00         | 6.72              | 98.7 | 70 - 130 | 16.3         | 1.86  | 20        |      |
| Vanadium                              | 0.176  | mg/L                            | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 87.8 | 70 - 130 | 0.176        | 0.280 | 20        |      |
| <b>Lab Sample ID: 1403270-001EMSD</b> |        | Date Analyzed: 03/24/2014 917h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                               | 0.175  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 87.7 | 75 - 125 | 0.174        | 0.734 | 20        |      |
| Cobalt                                | 0.174  | mg/L                            | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 87.1 | 75 - 125 | 0.173        | 0.878 | 20        |      |
| Lead                                  | 0.181  | mg/L                            | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 90.7 | 75 - 125 | 0.179        | 1.06  | 20        |      |
| Manganese                             | 0.307  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.134             | 86.5 | 75 - 125 | 0.304        | 1.09  | 20        |      |
| Thallium                              | 0.164  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000196          | 81.8 | 75 - 125 | 0.163        | 0.405 | 20        |      |
| Tin                                   | 0.922  | mg/L                            | E200.8 | 0.000620  | 0.00200         | 1.000         | 0.00183           | 92.1 | 75 - 125 | 0.914        | 0.886 | 20        |      |
| <b>Lab Sample ID: 1403270-001EMSD</b> |        | Date Analyzed: 03/27/2014 511h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: 03/17/2014 825h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                               | 0.189  | mg/L                            | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 94.5 | 75 - 125 | 0.182        | 3.62  | 20        |      |
| Chromium                              | 0.179  | mg/L                            | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 89.4 | 75 - 125 | 0.173        | 3.25  | 20        |      |
| Iron                                  | 1.01   | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0907            | 92.0 | 75 - 125 | 0.971        | 3.96  | 20        |      |
| Molybdenum                            | 0.192  | mg/L                            | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0.00243           | 94.7 | 75 - 125 | 0.182        | 5.00  | 20        |      |
| Nickel                                | 0.181  | mg/L                            | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0                 | 90.7 | 75 - 125 | 0.175        | 3.74  | 20        |      |
| Selenium                              | 0.197  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 98.7 | 75 - 125 | 0.192        | 2.85  | 20        |      |
| Silver                                | 0.174  | mg/L                            | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 87.1 | 75 - 125 | 0.162        | 7.08  | 20        |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result  | Units                           | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|---------|---------------------------------|--------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001EMSD</b> |         | Date Analyzed: 03/21/2014 1731h |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         | Date Prepared: 03/17/2014 825h  |        |            |                 |               |                   |      |          |              |       |           |      |
| Beryllium                             | 0.183   | mg/L                            | E200.8 | 0.0000698  | 0.00200         | 0.2000        | 0                 | 91.5 | 75 - 125 | 0.169        | 7.82  | 20        |      |
| Zinc                                  | 0.865   | mg/L                            | E200.8 | 0.00368    | 0.0100          | 1.000         | 0                 | 86.5 | 75 - 125 | 0.797        | 8.21  | 20        |      |
| <b>Lab Sample ID: 1403270-001EMSD</b> |         | Date Analyzed: 03/27/2014 2014h |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         | Date Prepared: 03/17/2014 825h  |        |            |                 |               |                   |      |          |              |       |           |      |
| Copper                                | 0.186   | mg/L                            | E200.8 | 0.00152    | 0.00200         | 0.2000        | 0                 | 92.9 | 75 - 125 | 0.184        | 0.734 | 20        |      |
| Uranium                               | 0.198   | mg/L                            | E200.8 | 0.0000598  | 0.00200         | 0.2000        | 0.000671          | 98.5 | 75 - 125 | 0.197        | 0.520 | 20        |      |
| <b>Lab Sample ID: 1403270-001EMSD</b> |         | Date Analyzed: 03/18/2014 932h  |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: Hg-DW-DIS-245.1            |         | Date Prepared: 03/17/2014 1335h |        |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                               | 0.00352 | mg/L                            | E245.1 | 0.00000675 | 0.000150        | 0.003330      | 0                 | 106  | 85 - 115 | 0.00348      | 1.20  | 20        |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1403270-001CDUP |        | Date Analyzed: 03/14/2014 1300h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 2,080  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 1940         | 6.97  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-R66101</b> Date Analyzed: 03/17/2014 949h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 51,900 | mg/L  | SM2320B      | 0.719   | 10.0            | 50,000        | 0                 | 104  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66316</b> Date Analyzed: 03/21/2014 516h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 51,000 | mg/L  | SM2320B      | 0.719   | 10.0            | 50,000        | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66064</b> Date Analyzed: 03/14/2014 1603h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 25.8   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            | 25.00         | 0                 | 103  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66099</b> Date Analyzed: 03/17/2014 804h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.10   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 110  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-31100</b> Date Analyzed: 03/18/2014 1341h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/17/2014 1300h           |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)   | 0.908  | mg/L  | E350.1       | 0.0214  | 0.0500          | 1.000         | 0                 | 90.8 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66196</b> Date Analyzed: 03/18/2014 1902h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                       |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.02   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66151</b> Date Analyzed: 03/18/2014 752h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 1,030  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 103  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66115</b> Date Analyzed: 03/14/2014 1300h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids   | 216    | mg/L  | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 105  | 80 - 120 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCSD

| Analyte                           | Result | Units                           | Method      | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|--------|---------------------------------|-------------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCSD-R66064 |        | Date Analyzed: 03/14/2014 1604h |             |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> CL-W-4500CLE    |        |                                 |             |       |                 |               |                   |      |          |              |       |           |      |
| Chloride                          | 26.0   | mg/L                            | SM4500-Cl-E | 0.965 | 5.00            | 25.00         | 0                 | 104  | 90 - 110 | 25.8         | 0.734 | 10        |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte                         | Result   | Units                           | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|----------|---------------------------------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R66316</b> |          | Date Analyzed: 03/21/2014 516h  |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: ALK-W-2320B          |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Bicarbonate (as CaCO3)          | < 10.0   | mg/L                            | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| Carbonate (as CaCO3)            | < 10.0   | mg/L                            | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66064</b> |          | Date Analyzed: 03/14/2014 1602h |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: CL-W-4500CLE         |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 5.00   | mg/L                            | SM4500-Cl-E  | 0.965   | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66099</b> |          | Date Analyzed: 03/17/2014 804h  |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC           |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride                        | < 0.100  | mg/L                            | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31100</b>  |          | Date Analyzed: 03/18/2014 1340h |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NH3-W-350.1          |          | Date Prepared: 03/17/2014 1300h |              |         |                 |               |                   |      |        |              |       |           |      |
| Ammonia (as N)                  | < 0.0500 | mg/L                            | E350.1       | 0.0214  | 0.0500          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66196</b> |          | Date Analyzed: 03/18/2014 1901h |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2      |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)          | < 0.100  | mg/L                            | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66151</b> |          | Date Analyzed: 03/18/2014 752h  |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E       |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate                         | < 5.00   | mg/L                            | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66115</b> |          | Date Analyzed: 03/14/2014 1300h |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C          |          |                                 |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids          | < 10.0   | mg/L                            | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001BMS</b> Date Analyzed: 03/17/2014 949h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 501    | mg/L  | SM2320B      | 2.88    | 40.0            | 200.0         | 301               | 100  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001BMS</b> Date Analyzed: 03/21/2014 516h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 351    | mg/L  | SM2320B      | 0.719   | 10.0            | 50.00         | 301               | 100  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001BMS</b> Date Analyzed: 03/14/2014 1634h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 39.7   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            | 10.00         | 32.6              | 71.4 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1403270-002BMS</b> Date Analyzed: 03/17/2014 804h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.26   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.188             | 107  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403270-002DMS</b> Date Analyzed: 03/18/2014 1343h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/17/2014 1300h               |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)   | 0.839  | mg/L  | E350.1       | 0.0214  | 0.0500          | 1.000         | 0.0222            | 81.7 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1403270-001DMS</b> Date Analyzed: 03/18/2014 1931h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.08   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 108  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1403270-001BMS</b> Date Analyzed: 03/18/2014 752h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 1,890  | mg/L  | SM4500-SO4-E | 136     | 250             | 1,000         | 904               | 98.4 | 80 - 120 |              |       |           |      |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-001BMSD</b> |        | Date Analyzed: 03/17/2014 949h  |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B                |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)                 | 512    | mg/L                            | SM2320B      | 2.88    | 40.0            | 200.0         | 301               | 106  | 80 - 120 | 501          | 2.11  | 10        |      |
| <b>Lab Sample ID: 1403270-001BMSD</b> |        | Date Analyzed: 03/21/2014 516h  |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B                |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)                 | 353    | mg/L                            | SM2320B      | 0.719   | 10.0            | 50.00         | 301               | 104  | 80 - 120 | 351          | 0.512 | 10        |      |
| <b>Lab Sample ID: 1403270-001BMSD</b> |        | Date Analyzed: 03/14/2014 1635h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE               |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                              | 39.6   | mg/L                            | SM4500-Cl-E  | 0.965   | 5.00            | 10.00         | 32.6              | 70.4 | 90 - 110 | 39.7         | 0.252 | 10        |      |
| <b>Lab Sample ID: 1403270-002BMSD</b> |        | Date Analyzed: 03/17/2014 804h  |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC                 |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                              | 1.20   | mg/L                            | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.188             | 101  | 80 - 120 | 1.26         | 4.88  | 10        |      |
| <b>Lab Sample ID: 1403270-002DMSD</b> |        | Date Analyzed: 03/18/2014 1345h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1                |        | Date Prepared: 03/17/2014 1300h |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)                        | 0.943  | mg/L                            | E350.1       | 0.0214  | 0.0500          | 1.000         | 0.0222            | 92.1 | 90 - 110 | 0.839        | 11.7  | 10        | @    |
| <b>Lab Sample ID: 1403270-001DMSD</b> |        | Date Analyzed: 03/18/2014 1937h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2            |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)                | 0.912  | mg/L                            | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 91.2 | 90 - 110 | 1.08         | 16.6  | 10        | @    |
| <b>Lab Sample ID: 1403270-001BMSD</b> |        | Date Analyzed: 03/18/2014 752h  |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E             |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                               | 1,950  | mg/L                            | SM4500-SO4-E | 136     | 250             | 1,000         | 904               | 105  | 80 - 120 | 1890         | 3.42  | 10        |      |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

1 - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Salt Lake City, UT 84115

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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                                 | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC-D 031414B</b> |        | Date Analyzed: 03/14/2014 1648h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                       |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                                 | 20.3   | µg/L                            | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 101  | 62 - 127 |              |       |           |      |
| Chloroform                              | 21.8   | µg/L                            | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 109  | 67 - 132 |              |       |           |      |
| Methylene chloride                      | 23.9   | µg/L                            | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 119  | 32 - 185 |              |       |           |      |
| Naphthalene                             | 16.1   | µg/L                            | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 80.4 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran                         | 17.7   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 88.6 | 43 - 146 |              |       |           |      |
| Toluene                                 | 20.6   | µg/L                            | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 103  | 64 - 129 |              |       |           |      |
| Xylenes, Total                          | 63.3   | µg/L                            | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 106  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 53.2   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 106  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 47.8   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 95.6 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 52.8   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 106  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 48.0   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 96.0 | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: LCS VOC-D 031714A</b> |        | Date Analyzed: 03/17/2014 724h  |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                       |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                                 | 22.6   | µg/L                            | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 113  | 62 - 127 |              |       |           |      |
| Chloroform                              | 23.8   | µg/L                            | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 119  | 67 - 132 |              |       |           |      |
| Methylene chloride                      | 23.9   | µg/L                            | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 120  | 32 - 185 |              |       |           |      |
| Naphthalene                             | 17.8   | µg/L                            | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 88.8 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran                         | 19.8   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 98.8 | 43 - 146 |              |       |           |      |
| Toluene                                 | 22.3   | µg/L                            | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 112  | 64 - 129 |              |       |           |      |
| Xylenes, Total                          | 69.6   | µg/L                            | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 116  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 55.1   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 110  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 48.4   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 96.8 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 53.7   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 107  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 49.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 99.1 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                                | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 031414B</b> |        | Date Analyzed: 03/14/2014 1745h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                      |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| 2-Butanone                             | < 20.0 | µg/L                            | SW8260C | 0.806 | 20.0            |               |                   |      |          |              |       |           |      |
| Acetone                                | < 20.0 | µg/L                            | SW8260C | 3.62  | 20.0            |               |                   |      |          |              |       |           |      |
| Benzene                                | < 1.00 | µg/L                            | SW8260C | 0.847 | 1.00            |               |                   |      |          |              |       |           |      |
| Carbon tetrachloride                   | < 1.00 | µg/L                            | SW8260C | 0.378 | 1.00            |               |                   |      |          |              |       |           |      |
| Chloroform                             | < 1.00 | µg/L                            | SW8260C | 1.28  | 1.00            |               |                   |      |          |              |       |           |      |
| Chloromethane                          | < 1.00 | µg/L                            | SW8260C | 1.26  | 1.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                     | < 1.00 | µg/L                            | SW8260C | 1.76  | 1.00            |               |                   |      |          |              |       |           |      |
| Naphthalene                            | < 1.00 | µg/L                            | SW8260C | 0.671 | 1.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 1.00 | µg/L                            | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Toluene                                | < 1.00 | µg/L                            | SW8260C | 1.41  | 1.00            |               |                   |      |          |              |       |           |      |
| Xylenes, Total                         | < 1.00 | µg/L                            | SW8260C | 1.05  | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 56.4   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 113  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 51.4   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 54.8   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 110  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 50.0   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 99.9 | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: MB VOC-D 031714A</b> |        | Date Analyzed: 03/17/2014 802h  |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                      |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| 2-Butanone                             | < 10.0 | µg/L                            | SW8260C | 0.806 | 10.0            |               |                   |      |          |              |       |           |      |
| Acetone                                | < 10.0 | µg/L                            | SW8260C | 3.62  | 10.0            |               |                   |      |          |              |       |           |      |
| Benzene                                | < 2.00 | µg/L                            | SW8260C | 0.847 | 2.00            |               |                   |      |          |              |       |           |      |
| Carbon tetrachloride                   | < 2.00 | µg/L                            | SW8260C | 0.378 | 2.00            |               |                   |      |          |              |       |           |      |
| Chloroform                             | < 2.00 | µg/L                            | SW8260C | 1.28  | 2.00            |               |                   |      |          |              |       |           |      |
| Chloromethane                          | < 3.00 | µg/L                            | SW8260C | 1.26  | 3.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                     | < 2.00 | µg/L                            | SW8260C | 1.76  | 2.00            |               |                   |      |          |              |       |           |      |
| Naphthalene                            | < 2.00 | µg/L                            | SW8260C | 0.671 | 2.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 2.00 | µg/L                            | SW8260C | 0.567 | 2.00            |               |                   |      |          |              |       |           |      |
| Toluene                                | < 2.00 | µg/L                            | SW8260C | 1.41  | 2.00            |               |                   |      |          |              |       |           |      |
| Xylenes, Total                         | < 2.00 | µg/L                            | SW8260C | 1.05  | 2.00            |               |                   |      |          |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                                | Result | Units                          | Method  | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|--------------------------------|---------|-----|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 031714A</b> |        | Date Analyzed: 03/17/2014 802h |         |     |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                      |        |                                |         |     |                 |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 53.5   | µg/L                           | SW8260C |     |                 | 50.00         |                   | 107  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 49.7   | µg/L                           | SW8260C |     |                 | 50.00         |                   | 99.3 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 52.1   | µg/L                           | SW8260C |     |                 | 50.00         |                   | 104  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 49.2   | µg/L                           | SW8260C |     |                 | 50.00         |                   | 98.4 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                                  | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|--|---------|------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403270-004AMS</b> |        | <b>Date Analyzed: 03/17/2014 1053h</b> |         |      |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>             |        |  |         |      |                 |               |                   |      |          |              |       |           |      |
| Benzene                              | 1,060  | µg/L                                   | SW8260C | 42.4 | 100             | 1,000         | 0                 | 106  | 66 - 145 |              |       |           |      |
| Chloroform                           | 3,770  | µg/L                                   | SW8260C | 64.0 | 100             | 1,000         | 2800              | 96.4 | 50 - 146 |              |       |           |      |
| Methylene chloride                   | 1,260  | µg/L                                   | SW8260C | 88.0 | 100             | 1,000         | 15.5              | 124  | 30 - 192 |              |       |           |      |
| Naphthalene                          | 750    | µg/L                                   | SW8260C | 33.6 | 100             | 1,000         | 0                 | 75.0 | 41 - 131 |              |       |           |      |
| Tetrahydrofuran                      | 959    | µg/L                                   | SW8260C | 28.4 | 100             | 1,000         | 0                 | 95.9 | 43 - 146 |              |       |           |      |
| Toluene                              | 1,060  | µg/L                                   | SW8260C | 70.5 | 100             | 1,000         | 0                 | 106  | 18 - 192 |              |       |           |      |
| Xylenes, Total                       | 3,290  | µg/L                                   | SW8260C | 52.5 | 100             | 3,000         | 0                 | 110  | 42 - 167 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 2,700  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 108  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 2,310  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 92.5 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 2,660  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 107  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 2,380  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 95.2 | 77 - 129 |              |       |           |      |



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QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403270  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                                  | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|--------|--|---------|------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID: 1403270-004AMSD</b> |        | <b>Date Analyzed: 03/17/2014 1112h</b> |         |      |                 |               |                   |      |          |              |        |           |      |
| <b>Test Code: 8260-W</b>              |        |  |         |      |                 |               |                   |      |          |              |        |           |      |
| Benzene                               | 1,060  | µg/L                                   | SW8260C | 42.4 | 100             | 1,000         | 0                 | 106  | 66 - 145 | 1060         | 0.0470 | 25        |      |
| Chloroform                            | 3,750  | µg/L                                   | SW8260C | 64.0 | 100             | 1,000         | 2800              | 94.4 | 50 - 146 | 3770         | 0.559  | 25        |      |
| Methylene chloride                    | 1,260  | µg/L                                   | SW8260C | 88.0 | 100             | 1,000         | 15.5              | 125  | 30 - 192 | 1260         | 0.357  | 25        |      |
| Naphthalene                           | 790    | µg/L                                   | SW8260C | 33.6 | 100             | 1,000         | 0                 | 79.0 | 41 - 131 | 750          | 5.26   | 25        |      |
| Tetrahydrofuran                       | 1,010  | µg/L                                   | SW8260C | 28.4 | 100             | 1,000         | 0                 | 101  | 43 - 146 | 959          | 5.63   | 25        |      |
| Toluene                               | 1,060  | µg/L                                   | SW8260C | 70.5 | 100             | 1,000         | 0                 | 106  | 18 - 192 | 1060         | 0.283  | 25        |      |
| Xylenes, Total                        | 3,300  | µg/L                                   | SW8260C | 52.5 | 100             | 3,000         | 0                 | 110  | 42 - 167 | 3290         | 0.0759 | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 2,720  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 109  | 72 - 151 |              |        |           |      |
| Surr: 4-Bromofluorobenzene            | 2,310  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 92.4 | 80 - 128 |              |        |           |      |
| Surr: Dibromofluoromethane            | 2,680  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 107  | 80 - 124 |              |        |           |      |
| Surr: Toluene-d8                      | 2,390  | µg/L                                   | SW8260C |      |                 | 2,500         |                   | 95.5 | 77 - 129 |              |        |           |      |

Updated Sample #4s Sample ID on Work Order to Match  
COC - DB

**WORK ORDER Summary**

Work Order: **1403270** Page 1 of 6

**Client:** Energy Fuels Resources, Inc.

Due Date: 3/25/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Ground Water 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Samples for dissolved metals have been field filtered. Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. 4-10-14 - Updated Sample #4s Sample ID on Workorder to Match Chain of Custody.;

DB

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1403270-001A | MW-11_03112014   | 3/11/2014 1200h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>            |         |                                     |                    |   |
| 1403270-001B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403270-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1403270-001D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NH3N</i>   |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>  |         |                                     |                    |   |
| 1403270-001E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: CA MG K NA V</i>   |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>1 SEL Analytes: HG</i>   |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>            |         |                                     |                    |   |
| 1403270-002A | MW-14_03112014   | 3/11/2014 1010h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>            |         |                                     |                    |   |
| 1403270-002B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |

# WORK ORDER Summary

Work Order: **1403270** Page 2 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 3/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |  |  |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|--|--|
| 1403270-002B | MW-14_03112014   | 3/11/2014 1010h | 3/14/2014 1115h | CL-W-4500CLE  | Aqueous | <input type="checkbox"/>            | df - wc            | 1 |  |  |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |  |  |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |  |  |
| 1403270-002C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |  |  |
| 1403270-002D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: NH3N</i>   |         |                                     |                    |   |  |  |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>  |         |                                     |                    |   |  |  |
| 1403270-002E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | <i>5 SEL Analytes: CA MG K NA V</i>                                       |         |                                     |                    |   |  |  |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> |         |                                     |                    |   |  |  |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: HG</i>   |         |                                     |                    |   |  |  |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>        |         |                                     |                    |   |  |  |
| 1403270-003A | MW-25_03102014   | 3/10/2014 1215h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |  |  |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>        |         |                                     |                    |   |  |  |
| 1403270-003B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |  |  |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |  |  |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |  |  |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |  |  |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |  |  |
| 1403270-003C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |  |  |
| 1403270-003D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: NH3N</i>   |         |                                     |                    |   |  |  |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>  |         |                                     |                    |   |  |  |
| 1403270-003E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 | <i>5 SEL Analytes: CA MG K NA V</i>                                       |         |                                     |                    |   |  |  |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |

# WORK ORDER Summary

Work Order: **1403270** Page 3 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 3/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1403270-003E | MW-25_03102014   | 3/10/2014 1215h | 3/14/2014 1115h | 200.8-DIS   | Aqueous | <input checked="" type="checkbox"/> | df-met             | 1 |
|              |                  |                 |                 | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>1 SEL Analytes: HG</i>   |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>            |         |                                     |                    |   |
| 1403270-004A | MW-26_03122014   | 3/12/2014 1230h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>            |         |                                     |                    |   |
| 1403270-004B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403270-004C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1403270-004D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NH3N</i>   |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>  |         |                                     |                    |   |
| 1403270-004E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: CA MG K NA V</i>   |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>1 SEL Analytes: HG</i>   |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>            |         |                                     |                    |   |
| 1403270-005A | MW-30_03112014   | 3/11/2014 1400h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>            |         |                                     |                    |   |
| 1403270-005B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |

# WORK ORDER Summary

Work Order: **1403270** Page 4 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 3/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1403270-005B | MW-30_03112014   | 3/11/2014 1400h | 3/14/2014 1115h | F-W-4500FC  | Aqueous | <input type="checkbox"/>            | df - wc            | 1 |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403270-005C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | 1 SEL Analytes: TDS   |         |                                     |                    |   |
| 1403270-005D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NH3N  |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NO3NO2N   |         |                                     |                    |   |
| 1403270-005E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: CA MG K NA V  |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br>TL SN U ZN |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 1 SEL Analytes: HG  |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc           |         |                                     |                    |   |
| 1403270-006A | MW-31_03102014   | 3/11/2014 1410h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4           |         |                                     |                    |   |
| 1403270-006B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | 2 SEL Analytes: ALKB ALKC   |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403270-006C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | 1 SEL Analytes: TDS   |         |                                     |                    |   |
| 1403270-006D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NH3N  |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NO3NO2N   |         |                                     |                    |   |
| 1403270-006E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: CA MG K NA V  |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br>TL SN U ZN |         |                                     |                    |   |

# WORK ORDER Summary

Work Order: **1403270** Page 5 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 3/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1403270-006E | MW-31_03102014   | 3/11/2014 1410h | 3/14/2014 1115h | 200.8-DIS-PR  | Aqueous | <input checked="" type="checkbox"/> | df-met             | 1 |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 1 SEL Analytes: HG  |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc           |         |                                     |                    |   |
| 1403270-007A | MW-35_03112014   | 3/11/2014 1340h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4           |         |                                     |                    |   |
| 1403270-007B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | 2 SEL Analytes: ALKB ALKC   |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403270-007C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | 1 SEL Analytes: TDS   |         |                                     |                    |   |
| 1403270-007D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NH3N  |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | 1 SEL Analytes: NO3NO2N   |         |                                     |                    |   |
| 1403270-007E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: CA MG K NA V  |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br>TL SN U ZN |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 1 SEL Analytes: HG  |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc           |         |                                     |                    |   |
| 1403270-008A | MW-75_03112014   | 3/11/2014 1010h | 3/14/2014 1115h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4           |         |                                     |                    |   |
| 1403270-008B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | 2 SEL Analytes: ALKB ALKC   |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |

# WORK ORDER Summary

Work Order: **1403270** Page 6 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 3/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code  | Matrix    | Sel                                 | Storage  |         |                                     |          |   |
|--------------|------------------|-----------------|-----------------|--|-----------|-------------------------------------|--|---------|-------------------------------------|----------|---|
| 1403270-008C | MW-75_03112014   | 3/11/2014 1010h | 3/14/2014 1115h | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>  | Aqueous   | <input checked="" type="checkbox"/> | ww - tds   | 1       |                                     |          |   |
| 1403270-008D |                  |                 |                 | NH3-W-350.1<br><i>1 SEL Analytes: NH3N</i>   |           | <input checked="" type="checkbox"/> | df - no2/no3 & nh3   |         |                                     |          |   |
|              |                  |                 |                 | NH3-W-PR   |           | <input checked="" type="checkbox"/> | df - no2/no3 & nh3   |         |                                     |          |   |
|              |                  |                 |                 | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>  |           | <input checked="" type="checkbox"/> | df - no2/no3 & nh3   |         |                                     |          |   |
| 1403270-008E |                  |                 |                 | 200.7-DIS<br><i>5 SEL Analytes: CA MG K NA V</i>   |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | 200.7-DIS-PR   |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | 200.8-DIS<br><i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | 200.8-DIS-PR   |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | HG-DW-DIS-245.1<br><i>1 SEL Analytes: HG</i>   |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | HG-DW-DIS-PR   |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
|              |                  |                 |                 | IONBALANCE<br><i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>           |           | <input checked="" type="checkbox"/> | df-met   |         |                                     |          |   |
| 1403270-009A |                  |                 |                 | Trip Blank   | 3/10/2014 | 3/14/2014 1115h                     | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFrige | 3 |



**AMERICAN WEST  
ANALYTICAL LABORATORIES**  
463 W. 3600 S. SALT LAKE CITY, UT 84115  
PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
WWW.AWAL-LABS.COM

**CHAIN OF CUSTODY**

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1403270  
AWAL LAB SAMPLE SET #  
PAGE 1 OF 1

CLIENT: **Energy Fuels Resources, Inc.**  
ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
CONTACT: **Garrin Palmer**  
PHONE #: **(435) 678-2221** CELL #:  
EMAIL: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**  
PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
PROJECT #:  
PO #:  
SAMPLER NAME: **TANNER HOLLIDAY**

| QC LEVEL:       |                | TURN AROUND TIME: |                      | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |             |                     |                                      |   |   |             |              |   |                          |   |                          |
|-----------------|----------------|-------------------|----------------------|--|-------------|---------------------|--------------------------------------|---|---|-------------|--------------|---|--------------------------|---|--------------------------|
| 3               |                | STANDARD          |                      |  |             |                     |                                      |   |   |             |              |   |                          |   |                          |
| # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2)   | NH3 (4500G or 350.1) | F1, Cl, SO4 (4500 or 300.0)  | TDS (2540C) | Carb/Bicarb (2320B) | Dissolved Metals (200.7/200.8/245.1) | As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, | Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca | Ion Balance | VOCs (8260C) | X INCLUDE EDD:<br>LOCUS UPLOAD<br>EXCEL |                          | X FIELD FILTERED FOR:<br>Dissolved Metals |                          |
|                 |                |                   |                      |  |             |                     |                                      |   |   |             |              | FOR COMPLIANCE WITH:                    |                          |   |                          |
|                 |                |                   |                      |  |             |                     |                                      |   |   |             |              | <input type="checkbox"/>                | <input type="checkbox"/> | <input type="checkbox"/>                  | <input type="checkbox"/> |
| 1               | MW-11_03112014 | 3/11/2014         | 1200                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 2               | MW-14_03112014 | 3/11/2014         | 1010                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 3               | MW-25_03102014 | 3/10/2014         | 1215                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 4               | MW-26_03122014 | 3/12/2014         | 1230                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 5               | MW-30_03112014 | 3/11/2014         | 1400                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 6               | MW-31_03102014 | 3/10/2014         | 1410                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 7               | MW-35_03112014 | 3/11/2014         | 1340                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 8               | MW-75_03112014 | 3/11/2014         | 1010                 | 7  | W           | X                   | X                                    | X   | X   | X           | X            | X                                       | X                        | X   |                          |
| 9               | TRIP BLANK     | 3/10/2014         |                      | 3  | W           |                     |                                      |   |   |             |              |   |                          | X   |                          |
| 10              | TEMP BLANK     | 3/14/2014         |                      | 1  | W           |                     |                                      |   |   |             |              |   |                          |   |                          |
| 11              |                |                   |                      |  |             |                     |                                      |   |   |             |              |   |                          |   |                          |
| 12              |                |                   |                      |  |             |                     |                                      |   |   |             |              |   |                          |   |                          |

|   |                 |   |               |  |
|---|-----------------|---|---------------|--|
| RELINQUISHED BY:<br>SIGNATURE: <i>Tanner Holliday</i> | DATE: 3/14/2014 | RECEIVED BY:<br>SIGNATURE: <i>Amber Cluff</i> | DATE: 3/14/14 | SPECIAL INSTRUCTIONS:<br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| PRINT NAME: <i>Tanner Holliday</i>                    | TIME: 1115      | PRINT NAME: <i>Amber Cluff</i>                | TIME: 11:15   |  |
| RELINQUISHED BY:<br>SIGNATURE:                        | DATE:           | RECEIVED BY:<br>SIGNATURE:                    | DATE:         |  |
| PRINT NAME:   | TIME:           | PRINT NAME:                                   | TIME:         |  |
| RELINQUISHED BY:<br>SIGNATURE:                        | DATE:           | RECEIVED BY:<br>SIGNATURE:                    | DATE:         |  |
| PRINT NAME:   | TIME:           | PRINT NAME:                                   | TIME:         |  |



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1403121

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 6 sample(s) on 3/7/2014 and 2 sample(s) on 3/26/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

**Kyle F. Gross**  
Digitally signed by Kyle F. Gross  
DN: cn=Kyle F. Gross, o=AWAL,  
ou=AWAL-Laboratory Director,  
email=kyle@awal-labs.com, c=US  
Date: 2014.03.26 15:42:29 -06'00'

Approved by:

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403121  
**Date Received:** 3/7/2014 935h

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix  | Analysis                                   |
|---------------|------------------|----------------|---------|--|
| 1403121-001A  | MW-03A_03052014  | 3/5/2014 805h  | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403121-001B  | MW-03A_03052014  | 3/5/2014 805h  | Aqueous | Sulfate, Aqueous                           |
| 1403121-001C  | MW-03A_03052014  | 3/5/2014 805h  | Aqueous | Total Dissolved Solids, A2540C             |
| 1403121-001D  | MW-03A_03052014  | 3/5/2014 805h  | Aqueous | ICPMS Metals, Dissolved                    |
| 1403121-002A  | MW-23_03052014   | 3/5/2014 1315h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403121-003A  | MW-24_03062014   | 3/6/2014 730h  | Aqueous | ICPMS Metals, Dissolved                    |
| 1403121-003B  | MW-24_03062014   | 3/6/2014 730h  | Aqueous | Fluoride, Aqueous                          |
| 1403121-004A  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403121-004A  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Ammonia, Aqueous                           |
| 1403121-004B  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Fluoride, Aqueous                          |
| 1403121-004B  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Ion Balance                                |
| 1403121-004B  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Chloride, Aqueous                          |
| 1403121-004B  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Sulfate, Aqueous                           |
| 1403121-004C  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Total Dissolved Solids, A2540C             |
| 1403121-004D  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | ICP Metals, Dissolved                      |
| 1403121-004D  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403121-004D  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | ICPMS Metals, Dissolved                    |
| 1403121-004E  | MW-36_03052014   | 3/5/2014 930h  | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403121-005A  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403121-005A  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Ammonia, Aqueous                           |
| 1403121-005B  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Chloride, Aqueous                          |
| 1403121-005B  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Sulfate, Aqueous                           |
| 1403121-005B  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Fluoride, Aqueous                          |
| 1403121-005B  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Ion Balance                                |
| 1403121-005C  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Total Dissolved Solids, A2540C             |
| 1403121-005D  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | ICP Metals, Dissolved                      |
| 1403121-005D  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403121-005D  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | ICPMS Metals, Dissolved                    |
| 1403121-005E  | MW-70_03052014   | 3/5/2014 930h  | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403121-006A  | Trip Blank       | 3/5/2014       | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403121-007A  | MW-36_03252014   | 3/25/2014 830h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |



**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403121  
**Date Received:** 3/25/2014 1230h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix  | Analysis                                      |
|---------------|------------------|----------------|---------|---|
| 1403121-008A  | MW-70_03252014   | 3/25/2014 830h | Aqueous | Alkalinity/ Bicarbonate/<br>Carbonate, A2320B |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403121

463 West 3600 South  
 Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

## Sample Receipt Information:

**Date of Receipt:** 3/7 & 3/26/2014  
**Date(s) of Collection:** 3/5, 3/6, 3/25/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, LCSD, MS, MSD, RPD, DUP:

**Method Blanks (MB):** Zinc was detected above the PQLs in method blank MB-30915; however, the associated samples have no results above their PQLs, so the method blank is acceptable. All the other target analytes were not detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD):** All LCS and LCSD recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

| Sample ID    | Analyte                | QC     | Explanation                |
|--------------|------------------------|--------|----------------------------|
| 1403121-004A | Nitrate-Nitrite (as N) | MS/MSD | Sample matrix interference |
| 1403121-004B | Chloride               | MS/MSD | Sample matrix interference |
| 1403121-004D | Magnesium              | MSD    | High analyte concentration |
| 1403121-005A | Sodium                 | MS/MSD | High analyte concentration |
| 1403121-005A | Ammonia (as N)         | MS/MSD | Sample matrix interference |

**Duplicate (DUP):** The parameters that required a duplicate analysis had RPDs within the control limits.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403121

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Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 3/7/2014  
**Date(s) of Collection:** 3/5/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None  
**Method:** SW-846 8260C/5030C  
**Analysis:** Volatile Organic Compounds

**General Set Comments:** No target analytes were observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-30914</b> |        | Date Analyzed: 03/14/2014 1233h |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.7-DIS</b>     |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                         | 9.68   | mg/L                            | E200.7 | 0.0100    | 1.00            | 10.00         | 0                 | 96.8 | 85 - 115 |              |       |           |      |
| Magnesium                       | 9.24   | mg/L                            | E200.7 | 0.0962    | 1.00            | 10.00         | 0                 | 92.4 | 85 - 115 |              |       |           |      |
| Potassium                       | 9.28   | mg/L                            | E200.7 | 0.00666   | 1.00            | 10.00         | 0                 | 92.8 | 85 - 115 |              |       |           |      |
| Sodium                          | 8.99   | mg/L                            | E200.7 | 0.0221    | 1.00            | 10.00         | 0                 | 89.9 | 85 - 115 |              |       |           |      |
| Vanadium                        | 0.182  | mg/L                            | E200.7 | 0.000838  | 0.00500         | 0.2000        | 0                 | 91.0 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30915</b> |        | Date Analyzed: 03/13/2014 1900h |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.196  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 97.9 | 85 - 115 |              |       |           |      |
| Cobalt                          | 0.194  | mg/L                            | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 96.8 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.192  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 96.0 | 85 - 115 |              |       |           |      |
| Silver                          | 0.192  | mg/L                            | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 96.1 | 85 - 115 |              |       |           |      |
| Thallium                        | 0.195  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0                 | 97.3 | 85 - 115 |              |       |           |      |
| Tin                             | 0.988  | mg/L                            | E200.8 | 0.000620  | 0.00200         | 1.000         | 0                 | 98.8 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30915</b> |        | Date Analyzed: 03/17/2014 1751h |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                         | 0.202  | mg/L                            | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 101  | 85 - 115 |              |       |           |      |
| Beryllium                       | 0.195  | mg/L                            | E200.8 | 0.0000698 | 0.00200         | 0.2000        | 0                 | 97.7 | 85 - 115 |              |       |           |      |
| Chromium                        | 0.190  | mg/L                            | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 95.2 | 85 - 115 |              |       |           |      |
| Iron                            | 0.965  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 96.5 | 85 - 115 |              |       |           |      |
| Molybdenum                      | 0.191  | mg/L                            | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0                 | 95.6 | 85 - 115 |              |       |           |      |
| Nickel                          | 0.190  | mg/L                            | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0                 | 94.8 | 85 - 115 |              |       |           |      |
| Selenium                        | 0.193  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 96.3 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30915</b> |        | Date Analyzed: 03/17/2014 2115h |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |      |          |              |       |           |      |
| Copper                          | 0.191  | mg/L                            | E200.8 | 0.00152   | 0.00200         | 0.2000        | 0                 | 95.7 | 85 - 115 |              |       |           |      |
| Lead                            | 0.188  | mg/L                            | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 94.0 | 85 - 115 |              |       |           |      |
| Zinc                            | 0.974  | mg/L                            | E200.8 | 0.00368   | 0.00500         | 1.000         | 0                 | 97.4 | 85 - 115 |              |       |           | B    |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                           | Result  | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|---------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-30915</b>   |         | Date Analyzed: | 03/19/2014 441h  |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>       |         | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Uranium                           | 0.194   | mg/L           | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0                 | 96.9 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30973</b>   |         | Date Analyzed: | 03/12/2014 1208h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: Hg-DW-DIS-245.1</b> |         | Date Prepared: | 03/11/2014 1500h |           |                 |               |                   |      |          |              |       |           |      |
| Mercury                           | 0.00358 | mg/L           | E245.1           | 0.0000675 | 0.000150        | 0.003330      | 0                 | 108  | 85 - 115 |              |       |           |      |

*B - The method blank was acceptable, as any associated samples do not have results above the reporting limit/PQL.*



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Salt Lake City, UT 84115

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Kyle F. Gross  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result     | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|------------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-30914</b> |            | Date Analyzed: | 03/14/2014 1229h |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: 200.7-DIS</b>    |            | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |        |              |       |           |      |
| Calcium                        | < 1.00     | mg/L           | E200.7           | 0.0100    | 1.00            |               |                   |      |        |              |       |           |      |
| Magnesium                      | < 1.00     | mg/L           | E200.7           | 0.0962    | 1.00            |               |                   |      |        |              |       |           |      |
| Potassium                      | < 1.00     | mg/L           | E200.7           | 0.00666   | 1.00            |               |                   |      |        |              |       |           |      |
| Sodium                         | < 1.00     | mg/L           | E200.7           | 0.0221    | 1.00            |               |                   |      |        |              |       |           |      |
| Vanadium                       | < 0.00500  | mg/L           | E200.7           | 0.000838  | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30915</b> |            | Date Analyzed: | 03/13/2014 1637h |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>    |            | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500 | mg/L           | E200.8           | 0.0000555 | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30915</b> |            | Date Analyzed: | 03/13/2014 1718h |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>    |            | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500 | mg/L           | E200.8           | 0.0000726 | 0.000500        |               |                   |      |        |              |       |           |      |
| Cobalt                         | < 0.0100   | mg/L           | E200.8           | 0.00364   | 0.0100          |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100   | mg/L           | E200.8           | 0.00166   | 0.0100          |               |                   |      |        |              |       |           |      |
| Silver                         | < 0.0100   | mg/L           | E200.8           | 0.000101  | 0.0100          |               |                   |      |        |              |       |           |      |
| Tin                            | < 0.100    | mg/L           | E200.8           | 0.000620  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30915</b> |            | Date Analyzed: | 03/17/2014 1746h |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>    |            | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |        |              |       |           |      |
| Arsenic                        | < 0.00500  | mg/L           | E200.8           | 0.00118   | 0.00500         |               |                   |      |        |              |       |           |      |
| Chromium                       | < 0.0250   | mg/L           | E200.8           | 0.000938  | 0.0250          |               |                   |      |        |              |       |           |      |
| Molybdenum                     | < 0.0100   | mg/L           | E200.8           | 0.000496  | 0.0100          |               |                   |      |        |              |       |           |      |
| Nickel                         | < 0.0200   | mg/L           | E200.8           | 0.000898  | 0.0200          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500  | mg/L           | E200.8           | 0.000686  | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30915</b> |            | Date Analyzed: | 03/17/2014 1840h |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>    |            | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |        |              |       |           |      |
| Beryllium                      | < 0.000500 | mg/L           | E200.8           | 0.0000174 | 0.000500        |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300   | mg/L           | E200.8           | 0.0118    | 0.0300          |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                           | Result         | Units      | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|----------------|------------|--------|-----------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30915    | Date Analyzed: | 03/17/2014 | 2109h  |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/07/2014 | 1255h  |           |                 |               |                   |      |        |              |       |           |      |
| Copper                            | < 0.0100       | mg/L       | E200.8 | 0.00152   | 0.0100          |               |                   |      |        |              |       |           |      |
| Zinc                              | 0.0207         | mg/L       | E200.8 | 0.00368   | 0.0100          |               |                   |      |        |              |       |           | B    |
| <b>Lab Sample ID:</b> MB-30915    | Date Analyzed: | 03/17/2014 | 2157h  |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/07/2014 | 1255h  |           |                 |               |                   |      |        |              |       |           |      |
| Lead                              | < 0.00100      | mg/L       | E200.8 | 0.000316  | 0.00100         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30915    | Date Analyzed: | 03/17/2014 | 2230h  |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/07/2014 | 1255h  |           |                 |               |                   |      |        |              |       |           |      |
| Uranium                           | < 0.000300     | mg/L       | E200.8 | 0.0000598 | 0.000300        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30973    | Date Analyzed: | 03/12/2014 | 1206h  |           |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> Hg-DW-DIS-245.1 | Date Prepared: | 03/11/2014 | 1500h  |           |                 |               |                   |      |        |              |       |           |      |
| Mercury                           | < 0.000150     | mg/L       | E245.1 | 0.0000675 | 0.000150        |               |                   |      |        |              |       |           |      |

B - The method blank was acceptable, as any associated samples do not have results above the reporting limit/PQL.



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Laboratory Director

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QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC  | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|-------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004DMS</b> |        | Date Analyzed: 03/14/2014 1249h |        |           |                 |               |                   |       |          |              |       |           |      |
| Test Code: 200.7-DIS                 |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |       |          |              |       |           |      |
| Calcium                              | 437    | mg/L                            | E200.7 | 0.500     | 50.0            | 10.00         | 425               | 125   | 70 - 130 |              |       |           |      |
| Magnesium                            | 146    | mg/L                            | E200.7 | 4.81      | 50.0            | 10.00         | 137               | 98.5  | 70 - 130 |              |       |           |      |
| Sodium                               | 645    | mg/L                            | E200.7 | 1.10      | 50.0            | 10.00         | 647               | -21.5 | 70 - 130 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004DMS</b> |        | Date Analyzed: 03/14/2014 1317h |        |           |                 |               |                   |       |          |              |       |           |      |
| Test Code: 200.7-DIS                 |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |       |          |              |       |           |      |
| Potassium                            | 17.5   | mg/L                            | E200.7 | 0.00666   | 1.00            | 10.00         | 8.72              | 87.7  | 70 - 130 |              |       |           |      |
| Vanadium                             | 0.180  | mg/L                            | E200.7 | 0.000838  | 0.00500         | 0.2000        | 0                 | 89.8  | 70 - 130 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004DMS</b> |        | Date Analyzed: 03/13/2014 2042h |        |           |                 |               |                   |       |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |       |          |              |       |           |      |
| Cadmium                              | 0.191  | mg/L                            | E200.8 | 0.000182  | 0.00125         | 0.2000        | 0.000148          | 95.4  | 75 - 125 |              |       |           |      |
| Cobalt                               | 0.185  | mg/L                            | E200.8 | 0.00910   | 0.0100          | 0.2000        | 0                 | 92.3  | 75 - 125 |              |       |           |      |
| Manganese                            | 0.183  | mg/L                            | E200.8 | 0.00416   | 0.00500         | 0.2000        | 0                 | 91.4  | 75 - 125 |              |       |           |      |
| Silver                               | 0.180  | mg/L                            | E200.8 | 0.000252  | 0.00500         | 0.2000        | 0                 | 90.0  | 75 - 125 |              |       |           |      |
| Tin                                  | 0.976  | mg/L                            | E200.8 | 0.00155   | 0.00500         | 1.000         | 0                 | 97.6  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004DMS</b> |        | Date Analyzed: 03/16/2014 2308h |        |           |                 |               |                   |       |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |       |          |              |       |           |      |
| Thallium                             | 0.199  | mg/L                            | E200.8 | 0.000555  | 0.00500         | 0.2000        | 0.000843          | 98.9  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004DMS</b> |        | Date Analyzed: 03/17/2014 1808h |        |           |                 |               |                   |       |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 03/07/2014 1255h |        |           |                 |               |                   |       |          |              |       |           |      |
| Arsenic                              | 0.209  | mg/L                            | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 105   | 75 - 125 |              |       |           |      |
| Beryllium                            | 0.188  | mg/L                            | E200.8 | 0.0000698 | 0.00200         | 0.2000        | 0                 | 93.8  | 75 - 125 |              |       |           |      |
| Chromium                             | 0.185  | mg/L                            | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 92.5  | 75 - 125 |              |       |           |      |
| Iron                                 | 0.929  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 92.9  | 75 - 125 |              |       |           |      |
| Molybdenum                           | 0.197  | mg/L                            | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0.000797          | 98.3  | 75 - 125 |              |       |           |      |
| Nickel                               | 0.184  | mg/L                            | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0.0025            | 90.9  | 75 - 125 |              |       |           |      |
| Selenium                             | 0.438  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.244             | 96.7  | 75 - 125 |              |       |           |      |



**American West**  
ANALYTICAL LABORATORIES

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result  | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|---------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004DMS</b> |         | Date Analyzed: | 03/17/2014 2131h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>          |         | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Copper                               | 0.178   | mg/L           | E200.8           | 0.00152   | 0.00200         | 0.2000        | 0                 | 88.8 | 75 - 125 |              |       |           |      |
| Lead                                 | 0.178   | mg/L           | E200.8           | 0.00126   | 0.00200         | 0.2000        | 0                 | 88.9 | 75 - 125 |              |       |           |      |
| Zinc                                 | 0.933   | mg/L           | E200.8           | 0.00368   | 0.00500         | 1.000         | 0.0053            | 92.8 | 75 - 125 |              |       |           | B    |
| <b>Lab Sample ID: 1403121-004DMS</b> |         | Date Analyzed: | 03/19/2014 446h  |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>          |         | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Uranium                              | 0.228   | mg/L           | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0.0248            | 102  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004DMS</b> |         | Date Analyzed: | 03/12/2014 1214h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: Hg-DW-DIS-245.1</b>    |         | Date Prepared: | 03/11/2014 1500h |           |                 |               |                   |      |          |              |       |           |      |
| Mercury                              | 0.00372 | mg/L           | E245.1           | 0.0000675 | 0.000150        | 0.003330      | 0                 | 112  | 85 - 115 |              |       |           |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

B - The method blank was acceptable, as any associated samples do not have results above the reporting limit/PQL.



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004DMSD</b> |        | Date Analyzed: | 03/14/2014 1253h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.7-DIS</b>           |        | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                               | 434    | mg/L           | E200.7           | 0.500     | 50.0            | 10.00         | 425               | 87.4 | 70 - 130 | 437          | 0.866 | 20        |      |
| Magnesium                             | 144    | mg/L           | E200.7           | 4.81      | 50.0            | 10.00         | 137               | 69.3 | 70 - 130 | 146          | 2.02  | 20        | *    |
| Sodium                                | 635    | mg/L           | E200.7           | 1.10      | 50.0            | 10.00         | 647               | -121 | 70 - 130 | 645          | 1.56  | 20        | *    |
| <b>Lab Sample ID: 1403121-004DMSD</b> |        | Date Analyzed: | 03/14/2014 1321h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.7-DIS</b>           |        | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Potassium                             | 18.0   | mg/L           | E200.7           | 0.00666   | 1.00            | 10.00         | 8.72              | 92.3 | 70 - 130 | 17.5         | 2.60  | 20        |      |
| Vanadium                              | 0.175  | mg/L           | E200.7           | 0.000838  | 0.00500         | 0.2000        | 0                 | 87.6 | 70 - 130 | 0.18         | 2.48  | 20        |      |
| <b>Lab Sample ID: 1403121-004DMSD</b> |        | Date Analyzed: | 03/13/2014 2052h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>           |        | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                               | 0.186  | mg/L           | E200.8           | 0.000182  | 0.00125         | 0.2000        | 0.000148          | 92.9 | 75 - 125 | 0.191        | 2.62  | 20        |      |
| Cobalt                                | 0.182  | mg/L           | E200.8           | 0.00910   | 0.0100          | 0.2000        | 0                 | 91.0 | 75 - 125 | 0.185        | 1.44  | 20        |      |
| Manganese                             | 0.180  | mg/L           | E200.8           | 0.00416   | 0.00500         | 0.2000        | 0                 | 89.8 | 75 - 125 | 0.183        | 1.75  | 20        |      |
| Silver                                | 0.183  | mg/L           | E200.8           | 0.000252  | 0.00500         | 0.2000        | 0                 | 91.7 | 75 - 125 | 0.18         | 1.80  | 20        |      |
| Tin                                   | 0.963  | mg/L           | E200.8           | 0.00155   | 0.00500         | 1.000         | 0                 | 96.3 | 75 - 125 | 0.976        | 1.38  | 20        |      |
| <b>Lab Sample ID: 1403121-004DMSD</b> |        | Date Analyzed: | 03/16/2014 2317h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>           |        | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                              | 0.192  | mg/L           | E200.8           | 0.000555  | 0.00500         | 0.2000        | 0.000843          | 95.4 | 75 - 125 | 0.199        | 3.66  | 20        |      |
| <b>Lab Sample ID: 1403121-004DMSD</b> |        | Date Analyzed: | 03/17/2014 1813h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>           |        | Date Prepared: | 03/07/2014 1255h |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                               | 0.202  | mg/L           | E200.8           | 0.00118   | 0.00200         | 0.2000        | 0                 | 101  | 75 - 125 | 0.209        | 3.83  | 20        |      |
| Beryllium                             | 0.187  | mg/L           | E200.8           | 0.0000698 | 0.00200         | 0.2000        | 0                 | 93.4 | 75 - 125 | 0.188        | 0.365 | 20        |      |
| Chromium                              | 0.179  | mg/L           | E200.8           | 0.000938  | 0.00200         | 0.2000        | 0                 | 89.6 | 75 - 125 | 0.185        | 3.21  | 20        |      |
| Iron                                  | 0.900  | mg/L           | E200.8           | 0.0472    | 0.100           | 1.000         | 0                 | 90.0 | 75 - 125 | 0.929        | 3.24  | 20        |      |
| Molybdenum                            | 0.196  | mg/L           | E200.8           | 0.000496  | 0.00200         | 0.2000        | 0.000797          | 97.5 | 75 - 125 | 0.197        | 0.824 | 20        |      |
| Nickel                                | 0.181  | mg/L           | E200.8           | 0.000898  | 0.00200         | 0.2000        | 0.0025            | 89.0 | 75 - 125 | 0.184        | 2.05  | 20        |      |
| Selenium                              | 0.428  | mg/L           | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0.244             | 92.0 | 75 - 125 | 0.438        | 2.18  | 20        |      |



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ANALYTICAL LABORATORIES

463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result  | Units                           | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|---------|---------------------------------|--------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004DMSD</b> |         | Date Analyzed: 03/17/2014 2136h |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         | Date Prepared: 03/07/2014 1255h |        |            |                 |               |                   |      |          |              |       |           |      |
| Copper                                | 0.192   | mg/L                            | E200.8 | 0.00152    | 0.00200         | 0.2000        | 0                 | 96.1 | 75 - 125 | 0.178        | 7.89  | 20        |      |
| Lead                                  | 0.174   | mg/L                            | E200.8 | 0.00126    | 0.00200         | 0.2000        | 0                 | 87.0 | 75 - 125 | 0.178        | 2.19  | 20        |      |
| Zinc                                  | 1.01    | mg/L                            | E200.8 | 0.00368    | 0.00500         | 1.000         | 0.0053            | 100  | 75 - 125 | 0.933        | 7.87  | 20        | B    |
| <b>Lab Sample ID: 1403121-004DMSD</b> |         | Date Analyzed: 03/19/2014 451h  |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         | Date Prepared: 03/07/2014 1255h |        |            |                 |               |                   |      |          |              |       |           |      |
| Uranium                               | 0.226   | mg/L                            | E200.8 | 0.0000598  | 0.00200         | 0.2000        | 0.0248            | 101  | 75 - 125 | 0.228        | 0.884 | 20        |      |
| <b>Lab Sample ID: 1403121-004DMSD</b> |         | Date Analyzed: 03/12/2014 1216h |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: Hg-DW-DIS-245.1            |         | Date Prepared: 03/11/2014 1500h |        |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                               | 0.00362 | mg/L                            | E245.1 | 0.00000675 | 0.000150        | 0.003330      | 0                 | 109  | 85 - 115 | 0.00372      | 2.59  | 20        |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

B - The method blank was acceptable, as any associated samples do not have results above the reporting limit/PQL.



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1403121-001CDUP |        | Date Analyzed: 03/07/2014 1200h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 5,880  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 5600         | 4.87  | 5         |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte   | Result         | Units      | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|----------------|------------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-R66506<br><b>Test Code:</b> ALK-W-2320B     | Date Analyzed: | 03/26/2014 | 1004h        |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)   | 50,100         | mg/L       | SM2320B      | 0.719   | 10.0            | 50,000        | 0                 | 100  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65942<br><b>Test Code:</b> CL-W-4500CLE    | Date Analyzed: | 03/12/2014 | 1547h        |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 25.5           | mg/L       | SM4500-Cl-E  | 0.965   | 5.00            | 25.00         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65806<br><b>Test Code:</b> F-W-4500FC      | Date Analyzed: | 03/10/2014 | 709h         |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.07           | mg/L       | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 107  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-30908<br><b>Test Code:</b> NH3-W-350.1      | Date Analyzed: | 03/07/2014 | 1627h        |         |                 |               |                   |      |          |              |       |           |      |
|   | Date Prepared: | 03/07/2014 | 1345h        |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)  | 0.925          | mg/L       | E350.1       | 0.0214  | 0.0500          | 1.000         | 0                 | 92.5 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-30969<br><b>Test Code:</b> NH3-W-350.1      | Date Analyzed: | 03/12/2014 | 1720h        |         |                 |               |                   |      |          |              |       |           |      |
|   | Date Prepared: | 03/11/2014 | 1330h        |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)  | 0.912          | mg/L       | E350.1       | 0.0214  | 0.0500          | 1.000         | 0                 | 91.2 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65847<br><b>Test Code:</b> NO2/NO3-W-353.2 | Date Analyzed: | 03/10/2014 | 2033h        |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.02           | mg/L       | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65817<br><b>Test Code:</b> SO4-W-4500SO4E  | Date Analyzed: | 03/10/2014 | 1000h        |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 1,060          | mg/L       | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 106  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65834<br><b>Test Code:</b> TDS-W-2540C     | Date Analyzed: | 03/07/2014 | 1200h        |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids  | 194            | mg/L       | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 94.6 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCSD

| Analyte                           | Result                          | Units | Method      | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|---------------------------------|-------|-------------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCSD-R65942 | Date Analyzed: 03/12/2014 1548h |       |             |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> CL-W-4500CLE    |                                 |       |             |       |                 |               |                   |      |          |              |       |           |      |
| Chloride                          | 25.8                            | mg/L  | SM4500-Cl-E | 0.965 | 5.00            | 25.00         | 0                 | 103  | 90 - 110 | 25.5         | 0.936 | 10        |      |



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Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte   | Result   | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|----------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R66506</b> Date Analyzed: 03/26/2014 1004h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: ALK-W-2320B  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Bicarbonate (as CaCO3)  | < 10.0   | mg/L  | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| Carbonate (as CaCO3)  | < 10.0   | mg/L  | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65942</b> Date Analyzed: 03/12/2014 1545h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: CL-W-4500CLE   |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride  | < 5.00   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65806</b> Date Analyzed: 03/10/2014 709h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC   |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride  | < 0.100  | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30908</b> Date Analyzed: 03/07/2014 1626h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/07/2014 1345h          |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Ammonia (as N)  | < 0.0500 | mg/L  | E350.1       | 0.0214  | 0.0500          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-30969</b> Date Analyzed: 03/12/2014 1718h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/11/2014 1330h          |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Ammonia (as N)  | < 0.0500 | mg/L  | E350.1       | 0.0214  | 0.0500          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65847</b> Date Analyzed: 03/10/2014 2032h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                      |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)  | < 0.100  | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65817</b> Date Analyzed: 03/10/2014 1000h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E                                       |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | < 5.00   | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65834</b> Date Analyzed: 03/07/2014 1200h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | < 10.0   | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-007AMS</b> Date Analyzed: 03/26/2014 1004h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 340    | mg/L  | SM2320B      | 0.719   | 10.0            | 50.00         | 290               | 100  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403121-004BMS</b> Date Analyzed: 03/12/2014 1608h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 65.9   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            | 10.00         | 57.7              | 82.6 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1403121-003BMS</b> Date Analyzed: 03/10/2014 709h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.29   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.234             | 106  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403121-005AMS</b> Date Analyzed: 03/12/2014 1722h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/11/2014 1330h               |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)   | 0.837  | mg/L  | E350.1       | 0.0214  | 0.0500          | 1.000         | 0                 | 83.7 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1403121-004AMS</b> Date Analyzed: 03/10/2014 2045h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 0.968  | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.149             | 81.9 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1403121-001BMS</b> Date Analyzed: 03/10/2014 1000h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 5,710  | mg/L  | SM4500-SO4-E | 339     | 625             | 2,500         | 3100              | 104  | 80 - 120 |              |       |           |      |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method                    | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|---------------------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-007AMSD</b> Date Analyzed: 03/26/2014 1004h |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B  |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO <sub>3</sub> )                                    | 341    | mg/L  | SM2320B                   | 0.719   | 10.0            | 50.00         | 290               | 102  | 80 - 120 | 340          | 0.264 | 10        |      |
| <b>Lab Sample ID: 1403121-004BMSD</b> Date Analyzed: 03/12/2014 1609h |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE   |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 66.0   | mg/L  | SM4500-Cl-E               | 0.965   | 5.00            | 10.00         | 57.7              | 83.5 | 90 - 110 | 65.9         | 0.136 | 10        | 1    |
| <b>Lab Sample ID: 1403121-003BMSD</b> Date Analyzed: 03/10/2014 709h  |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.26   | mg/L  | SM4500-F-C                | 0.0125  | 0.100           | 1.000         | 0.234             | 103  | 80 - 120 | 1.29         | 2.35  | 10        |      |
| <b>Lab Sample ID: 1403121-005AMSD</b> Date Analyzed: 03/12/2014 1723h |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH <sub>3</sub> -W-350.1 Date Prepared: 03/11/2014 1330h   |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)  | 0.863  | mg/L  | E350.1                    | 0.0214  | 0.0500          | 1.000         | 0                 | 86.3 | 90 - 110 | 0.837        | 3.06  | 10        | 1    |
| <b>Lab Sample ID: 1403121-004AMSD</b> Date Analyzed: 03/10/2014 2046h |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO <sub>2</sub> /NO <sub>3</sub> -W-353.2                  |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.03   | mg/L  | E353.2                    | 0.00368 | 0.100           | 1.000         | 0.149             | 88.2 | 90 - 110 | 0.968        | 6.28  | 10        | 1    |
| <b>Lab Sample ID: 1403121-001BMSD</b> Date Analyzed: 03/10/2014 1000h |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO <sub>4</sub> -W-4500SO <sub>4</sub> E                   |        |       |                           |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 5,860  | mg/L  | SM4500-SO <sub>4</sub> -E | 339     | 625             | 2,500         | 3100              | 110  | 80 - 120 | 5710         | 2.65  | 10        |      |

1 - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                                 | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC-D 030714A</b> |        | Date Analyzed: 03/07/2014 734h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                       |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                                 | 22.4   | µg/L                           | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 112  | 62 - 127 |              |       |           |      |
| Chloroform                              | 22.2   | µg/L                           | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 111  | 67 - 132 |              |       |           |      |
| Methylene chloride                      | 23.0   | µg/L                           | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 115  | 32 - 185 |              |       |           |      |
| Naphthalene                             | 16.9   | µg/L                           | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 84.7 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran                         | 18.6   | µg/L                           | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 92.8 | 43 - 146 |              |       |           |      |
| Toluene                                 | 22.5   | µg/L                           | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 113  | 64 - 129 |              |       |           |      |
| Xylenes, Total                          | 69.4   | µg/L                           | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 116  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 50.3   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 101  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 48.6   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 97.1 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 50.7   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 101  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 49.3   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 98.7 | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: LCS VOC-D 031014A</b> |        | Date Analyzed: 03/10/2014 713h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                       |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                                 | 22.0   | µg/L                           | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 110  | 62 - 127 |              |       |           |      |
| Chloroform                              | 22.8   | µg/L                           | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 114  | 67 - 132 |              |       |           |      |
| Methylene chloride                      | 23.9   | µg/L                           | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 119  | 32 - 185 |              |       |           |      |
| Naphthalene                             | 16.6   | µg/L                           | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 83.3 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran                         | 18.6   | µg/L                           | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 93.0 | 43 - 146 |              |       |           |      |
| Toluene                                 | 21.9   | µg/L                           | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 110  | 64 - 129 |              |       |           |      |
| Xylenes, Total                          | 68.0   | µg/L                           | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 113  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 54.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 108  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 51.1   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 102  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 53.1   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 106  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 50.9   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 102  | 81 - 135 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                                | Result | Units                                 | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|---------------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 030714A</b> |        | <b>Date Analyzed: 03/07/2014 812h</b> |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>               |        |                                       |         |       |                 |               |                   |      |          |              |       |           |      |
| 2-Butanone                             | < 10.0 | µg/L                                  | SW8260C | 0.806 | 10.0            |               |                   |      |          |              |       |           |      |
| Acetone                                | < 10.0 | µg/L                                  | SW8260C | 3.62  | 10.0            |               |                   |      |          |              |       |           |      |
| Benzene                                | < 1.00 | µg/L                                  | SW8260C | 0.847 | 1.00            |               |                   |      |          |              |       |           |      |
| Carbon tetrachloride                   | < 1.00 | µg/L                                  | SW8260C | 0.378 | 1.00            |               |                   |      |          |              |       |           |      |
| Chloroform                             | < 1.00 | µg/L                                  | SW8260C | 1.28  | 1.00            |               |                   |      |          |              |       |           |      |
| Chloromethane                          | < 1.00 | µg/L                                  | SW8260C | 1.26  | 1.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                     | < 1.00 | µg/L                                  | SW8260C | 1.76  | 1.00            |               |                   |      |          |              |       |           |      |
| Naphthalene                            | < 1.00 | µg/L                                  | SW8260C | 0.671 | 1.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 1.00 | µg/L                                  | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Toluene                                | < 1.00 | µg/L                                  | SW8260C | 1.41  | 1.00            |               |                   |      |          |              |       |           |      |
| Xylenes, Total                         | < 1.00 | µg/L                                  | SW8260C | 1.05  | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 51.9   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 104  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 49.8   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 99.7 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 50.4   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 101  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 48.9   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 97.7 | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: MB VOC-D 031014A</b> |        | <b>Date Analyzed: 03/10/2014 751h</b> |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>               |        |                                       |         |       |                 |               |                   |      |          |              |       |           |      |
| 2-Butanone                             | < 10.0 | µg/L                                  | SW8260C | 0.806 | 10.0            |               |                   |      |          |              |       |           |      |
| Acetone                                | < 10.0 | µg/L                                  | SW8260C | 3.62  | 10.0            |               |                   |      |          |              |       |           |      |
| Benzene                                | < 2.00 | µg/L                                  | SW8260C | 0.847 | 2.00            |               |                   |      |          |              |       |           |      |
| Carbon tetrachloride                   | < 2.00 | µg/L                                  | SW8260C | 0.378 | 2.00            |               |                   |      |          |              |       |           |      |
| Chloroform                             | < 2.00 | µg/L                                  | SW8260C | 1.28  | 2.00            |               |                   |      |          |              |       |           |      |
| Chloromethane                          | < 3.00 | µg/L                                  | SW8260C | 1.26  | 3.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                     | < 2.00 | µg/L                                  | SW8260C | 1.76  | 2.00            |               |                   |      |          |              |       |           |      |
| Naphthalene                            | < 2.00 | µg/L                                  | SW8260C | 0.671 | 2.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 2.00 | µg/L                                  | SW8260C | 0.567 | 2.00            |               |                   |      |          |              |       |           |      |
| Toluene                                | < 2.00 | µg/L                                  | SW8260C | 1.41  | 2.00            |               |                   |      |          |              |       |           |      |
| Xylenes, Total                         | < 2.00 | µg/L                                  | SW8260C | 1.05  | 2.00            |               |                   |      |          |              |       |           |      |



**American West**  
ANALYTICAL LABORATORIES

463 West 3600 South

Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403121

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** MSVOA

**QC Type:** MBLK

| Analyte                                | Result | Units                                 | Method  | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|---------------------------------------|---------|-----|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 031014A</b> |        | <b>Date Analyzed: 03/10/2014 751h</b> |         |     |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>               |        |                                       |         |     |                 |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 53.6   | µg/L                                  | SW8260C |     |                 | 50.00         |                   | 107  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 52.0   | µg/L                                  | SW8260C |     |                 | 50.00         |                   | 104  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 51.6   | µg/L                                  | SW8260C |     |                 | 50.00         |                   | 103  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 49.7   | µg/L                                  | SW8260C |     |                 | 50.00         |                   | 99.4 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                                  | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|--|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004EMS</b> |        | <b>Date Analyzed: 03/10/2014 1003h</b> |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>             |        |  |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                              | 21.0   | µg/L                                   | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 105  | 66 - 145 |              |       |           |      |
| Chloroform                           | 21.9   | µg/L                                   | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 110  | 50 - 146 |              |       |           |      |
| Methylene chloride                   | 23.0   | µg/L                                   | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 115  | 30 - 192 |              |       |           |      |
| Naphthalene                          | 16.9   | µg/L                                   | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 84.4 | 41 - 131 |              |       |           |      |
| Tetrahydrofuran                      | 18.6   | µg/L                                   | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 93.2 | 43 - 146 |              |       |           |      |
| Toluene                              | 20.4   | µg/L                                   | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 102  | 18 - 192 |              |       |           |      |
| Xylenes, Total                       | 59.8   | µg/L                                   | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 99.7 | 42 - 167 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 52.8   | µg/L                                   | SW8260C |       |                 | 50.00         |                   | 106  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 48.3   | µg/L                                   | SW8260C |       |                 | 50.00         |                   | 96.6 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 52.0   | µg/L                                   | SW8260C |       |                 | 50.00         |                   | 104  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 48.0   | µg/L                                   | SW8260C |       |                 | 50.00         |                   | 96.0 | 77 - 129 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403121  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403121-004EMSD</b> |        | Date Analyzed: 03/10/2014 1022h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                     |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                               | 21.9   | µg/L                            | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 110  | 66 - 145 | 21           | 4.05  | 25        |      |
| Chloroform                            | 22.4   | µg/L                            | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 112  | 50 - 146 | 21.9         | 2.07  | 25        |      |
| Methylene chloride                    | 23.6   | µg/L                            | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 118  | 30 - 192 | 23           | 2.53  | 25        |      |
| Naphthalene                           | 17.2   | µg/L                            | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 86.2 | 41 - 131 | 16.9         | 2.23  | 25        |      |
| Tetrahydrofuran                       | 18.4   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 92.0 | 43 - 146 | 18.6         | 1.30  | 25        |      |
| Toluene                               | 21.3   | µg/L                            | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 106  | 18 - 192 | 20.4         | 4.37  | 25        |      |
| Xylenes, Total                        | 64.4   | µg/L                            | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 107  | 42 - 167 | 59.8         | 7.38  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 52.8   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 106  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 47.8   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 95.6 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 51.4   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 103  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 47.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 95.1 | 77 - 129 |              |       |           |      |

Samples for metals were field filtered. Samples 7&8 were received 3/26/2014 as a resample for Alkalinity. - MC

**WORK ORDER Summary**

Work Order: **1403121** Page 1 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 3/18/2014

Client ID: DEN100

Contact: Garrin Palmer

Project: 1st Quarter Ground Water 2014

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered. Samples 7&8 were received 3/26/2014 as a resample for Alkalinity.;

*m c / DB*

| Sample ID    | Client Sample ID | Collected Date | Received Date  | Test Code  | Matrix  | Sel                                 | Storage      |
|--------------|------------------|----------------|----------------|--|---------|-------------------------------------|--------------|
| 1403121-001A | MW-03A_03052014  | 3/5/2014 0805h | 3/7/2014 0935h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                                | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3 |
| 1403121-001B |                  |                |                | SO4-W-4500SO4E   |         | <input type="checkbox"/>            | df / so4     |
| 1403121-001C |                  |                |                | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>  |         | <input checked="" type="checkbox"/> | ww - tds     |
| 1403121-001D |                  |                |                | 200.8-DIS<br><i>1 SEL Analytes: SE</i>   |         | <input checked="" type="checkbox"/> | df / dis met |
|              |                  |                |                | 200.8-DIS-PR   |         | <input type="checkbox"/>            | df / dis met |
| 1403121-002A | MW-23_03052014   | 3/5/2014 1315h | 3/7/2014 0935h | 200.8-DIS<br><i>1 SEL Analytes: MN</i>   | Aqueous | <input checked="" type="checkbox"/> | df / dis met |
|              |                  |                |                | 200.8-DIS-PR   |         | <input type="checkbox"/>            | df / dis met |
| 1403121-003A | MW-24_03062014   | 3/6/2014 0730h | 3/7/2014 0935h | 200.8-DIS<br><i>2 SEL Analytes: CD TL</i>  | Aqueous | <input checked="" type="checkbox"/> | df / dis met |
|              |                  |                |                | 200.8-DIS-PR   |         | <input type="checkbox"/>            | df / dis met |
| 1403121-003B |                  |                |                | F-W-4500FC   |         | <input type="checkbox"/>            | df / f       |
| 1403121-004A | MW-36_03052014   | 3/5/2014 0930h | 3/7/2014 0935h | NH3-W-350.1<br><i>1 SEL Analytes: NH3N</i>                                       | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3 |
|              |                  |                |                | NH3-W-PR   |         | <input type="checkbox"/>            | df / no2/no3 |
|              |                  |                |                | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                                |         | <input checked="" type="checkbox"/> | df / no2/no3 |
| 1403121-004B |                  |                |                | CL-W-4500CLE   |         | <input type="checkbox"/>            | df / so4     |
|              |                  |                |                | F-W-4500FC   |         | <input type="checkbox"/>            | df / so4     |
|              |                  |                |                | IONBALANCE<br><i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> |         | <input checked="" type="checkbox"/> | df / so4     |
| 1403121-004C |                  |                |                | SO4-W-4500SO4E   |         | <input type="checkbox"/>            | df / so4     |
|              |                  |                |                | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>  |         | <input checked="" type="checkbox"/> | ww - tds     |
| 1403121-004D |                  |                |                | 200.7-DIS<br><i>5 SEL Analytes: CA MG K NA V</i>                                 |         | <input checked="" type="checkbox"/> | df / dis met |

# WORK ORDER Summary

Work Order: **1403121** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 3/18/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date  | Test Code   | Matrix                   | Sel                                 | Storage      |   |  |  |
|--------------|------------------|-----------------|--|---|--------------------------|-------------------------------------|--------------|---|--|--|
| 1403121-004D | MW-36_03052014   | 3/5/2014 0930h  | 3/7/2014 0935h   | 200.7-DIS-PR  | Aqueous                  | <input type="checkbox"/>            | df / dis met | 1 |  |  |
|              |                  |                 |  | 200.8-DIS   |                          | <input checked="" type="checkbox"/> | df / dis met |   |  |  |
|              |                  |                 |  | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |                          |                                     |              |   |  |  |
|              |                  |                 |  | 200.8-DIS-PR  |                          | <input type="checkbox"/>            | df / dis met |   |  |  |
|              |                  |                 |  | HG-DW-DIS-245.1   |                          | <input checked="" type="checkbox"/> | df / dis met |   |  |  |
|              |                  |                 | <i>1 SEL Analytes: HG</i>  |   |                          |                                     |              |   |  |  |
|              |                  |                 | HG-DW-DIS-PR   |   | <input type="checkbox"/> | df / dis met                        |              |   |  |  |
| 1403121-004E |                  |                 |  | 8260-W  |                          | <input checked="" type="checkbox"/> | vOC          | 3 |  |  |
|              |                  |                 |  | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>            |                          |                                     |              |   |  |  |
| 1403121-005A | MW-70_03052014   | 3/5/2014 0930h  | 3/7/2014 0935h   | NH3-W-350.1   | Aqueous                  | <input checked="" type="checkbox"/> | df / no2/no3 | 1 |  |  |
|              |                  |                 |  | <i>1 SEL Analytes: NH3N</i>   |                          |                                     |              |   |  |  |
|              |                  |                 |  | NH3-W-PR  |                          | <input type="checkbox"/>            | df / no2/no3 |   |  |  |
|              |                  |                 |  | NO2/NO3-W-353.2   |                          | <input checked="" type="checkbox"/> | df / no2/no3 |   |  |  |
|              |                  |                 | <i>1 SEL Analytes: NO3NO2N</i>                                     |   |                          |                                     |              |   |  |  |
| 1403121-005B |                  |                 |  | CL-W-4500CLE  |                          | <input type="checkbox"/>            | df / so4     |   |  |  |
|              |                  |                 |  | F-W-4500FC  |                          | <input type="checkbox"/>            | df / so4     |   |  |  |
|              |                  |                 |  | IONBALANCE  |                          | <input checked="" type="checkbox"/> | df / so4     |   |  |  |
|              |                  |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i> |   |                          |                                     |              |   |  |  |
|              |                  |                 | SO4-W-4500SO4E   |   | <input type="checkbox"/> | df / so4                            |              |   |  |  |
| 1403121-005C |                  |                 |  | TDS-W-2540C   |                          | <input checked="" type="checkbox"/> | ww - tds     |   |  |  |
|              |                  |                 | <i>1 SEL Analytes: TDS</i>   |   |                          |                                     |              |   |  |  |
| 1403121-005D |                  |                 |  | 200.7-DIS   |                          | <input checked="" type="checkbox"/> | df / dis met |   |  |  |
|              |                  |                 |  | <i>5 SEL Analytes: CA MG K NA V</i>   |                          |                                     |              |   |  |  |
|              |                  |                 |  | 200.7-DIS-PR  |                          | <input type="checkbox"/>            | df / dis met |   |  |  |
|              |                  |                 |  | 200.8-DIS   |                          | <input checked="" type="checkbox"/> | df / dis met |   |  |  |
|              |                  |                 |  | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG<br/>TL SN U ZN</i> |                          |                                     |              |   |  |  |
|              |                  |                 |  | 200.8-DIS-PR  |                          | <input type="checkbox"/>            | df / dis met |   |  |  |
|              |                  |                 |  | HG-DW-DIS-245.1   |                          | <input checked="" type="checkbox"/> | df / dis met |   |  |  |
|              |                  |                 | <i>1 SEL Analytes: HG</i>  |   |                          |                                     |              |   |  |  |
|              |                  |                 | HG-DW-DIS-PR   |   | <input type="checkbox"/> | df / dis met                        |              |   |  |  |
| 1403121-005E |                  |                 |  | 8260-W  |                          | <input checked="" type="checkbox"/> | vOC          | 3 |  |  |
|              |                  |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i> |   |                          |                                     |              |   |  |  |
| 1403121-006A | Trip Blank       | 3/5/2014        | 3/7/2014 0935h   | 8260-W  | Aqueous                  | <input checked="" type="checkbox"/> | vOC          | 3 |  |  |
|              |                  |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i> |   |                          |                                     |              |   |  |  |
| 1403121-007A | MW-36_03252014   | 3/25/2014 0830h | 3/26/2014 0920h  | ALK-W-2320B   | Aqueous                  | <input checked="" type="checkbox"/> | df           | 1 |  |  |
|              |                  |                 | <i>2 SEL Analytes: ALKB ALKC</i>                                   |   |                          |                                     |              |   |  |  |
| 1403121-008A | MW-70_03252014   | 3/25/2014 0830h | 3/26/2014 0920h  | ALK-W-2320B   | Aqueous                  | <input checked="" type="checkbox"/> | df           | 1 |  |  |
|              |                  |                 | <i>2 SEL Analytes: ALKB ALKC</i>                                   |   |                          |                                     |              |   |  |  |



# AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

## CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1403121  
 AWAL LAB SAMPLE SET #  
 PAGE 2 OF 2

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #:  
**gpalmer@energyfuels.com; KWeinl@energyfuels.com;**  
**dturk@energyfuels.com**  
 PROJECT NAME: **1ST Quarter Groundwater 2014**  
 PROJECT #:  
 PO #:  
 SAMPLER NAME: **Tanner Holliday**

| QC LEVEL:  |              | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 |                      |                             |             |                     |                                      |   |   |   | DUE DATE:    |  |
|--|--------------|-------------------|-----------------|--|-----------------|----------------------|-----------------------------|-------------|---------------------|--------------------------------------|---|---|---|--------------|--|
| 3  |              | STANDARD          |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| INCLUDE EDD:<br>LOCUS UPLOAD<br>EXCEL<br>FIELD FILTERED FOR:<br>Dissolved Metals   |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   | LABORATORY USE ONLY   |              |  |
| FOR COMPLIANCE WITH:   |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   | SAMPLE COMMENTS   |              |  |
| <input type="checkbox"/> NELAP<br><input type="checkbox"/> RCRA<br><input type="checkbox"/> CWA<br><input type="checkbox"/> SDWA<br><input type="checkbox"/> ELAP / A2LA<br><input type="checkbox"/> NLLAP<br><input type="checkbox"/> NON-COMPLIANCE<br><input type="checkbox"/> OTHER: |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   | SAMPLES WERE: <b>FedEx</b><br>1. SHIPPED OR HAND DELIVERED<br>2. AMBIENT OR CHILLED<br>3. TEMPERATURE <b>2.2</b> °C<br>4. RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED)<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/><br>5. PROPERLY PRESERVED<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/><br>6. CHECKED AT BENCH<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/><br>7. RECEIVED WITHIN HOLDING TIMES<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |              |  |
| KNOWN HAZARDS & SAMPLE COMMENTS  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   | COC TAPE WAS:   |              |  |
|  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   | 1. PRESENT ON OUTER PACKAGE<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br>2. UNBROKEN ON OUTER PACKAGE<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br>3. PRESENT ON SAMPLE<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br>4. UNBROKEN ON SAMPLE<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br>DISCREPANCIES BETWEEN SAMPLE LABELS AND COC REQUEST?<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/>      |              |  |
| SAMPLE ID:   | DATE SAMPLED | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2) | NH3 (4500G or 350.1) | F1, Cl, SO4 (4500 or 300.0) | TDS (2540C) | Carb/Bicarb (2320B) | Dissolved Metals (200.7/200.8/245.1) | As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, | Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca | Ion Balance   | VOCs (8260C) |  |
| 1 MW-36_03052014   | 3/5/2014     | 930               | 7               | W  | X               | X                    | X                           | X           | X                   | X                                    | X   | X   | X   | X            |  |
| 2 MW-70_03052014   | 3/5/2014     | 930               | 7               | W  | X               | X                    | X                           | X           | X                   | X                                    | X   | X   | X   | X            |  |
| 3 TRIP BLANK   | 3/5/2014     |                   | 3               | W  |                 |                      |                             |             |                     |                                      |   |   |   | X            |  |
| 4 TEMP BLANK   | 3/6/2014     |                   | 1               | W  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 5  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 6  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 7  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 8  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 9  |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 10   |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 11   |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |
| 12   |              |                   |                 |  |                 |                      |                             |             |                     |                                      |   |   |   |              |  |

|  |                   |  |                 |  |
|--|-------------------|--|-----------------|--|
| RELINQUISHED BY:<br>SIGNATURE <i>Tanner Holliday</i> | DATE:<br>3/6/2014 | RECEIVED BY:<br>SIGNATURE <i>Elona Hayward</i> | DATE:<br>3-7-14 | SPECIAL INSTRUCTIONS:<br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| PRINT NAME:<br>Tanner Holliday                       | TIME:<br>1000     | PRINT NAME:<br>Elona Hayward                   | TIME:<br>935    |  |
| RELINQUISHED BY:<br>SIGNATURE                        | DATE:             | RECEIVED BY:<br>SIGNATURE                      | DATE:           |  |
| PRINT NAME:  | TIME:             | PRINT NAME:                                    | TIME:           |  |
| RELINQUISHED BY:<br>SIGNATURE                        | DATE:             | RECEIVED BY:<br>SIGNATURE                      | DATE:           |  |
| PRINT NAME:  | TIME:             | PRINT NAME:                                    | TIME:           |  |
| RELINQUISHED BY:<br>SIGNATURE                        | DATE:             | RECEIVED BY:<br>SIGNATURE                      | DATE:           |  |
| PRINT NAME:  | TIME:             | PRINT NAME:                                    | TIME:           |  |



**AMERICAN WEST  
ANALYTICAL LABORATORIES**

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1403121  
 AWAL LAB SAMPLE SET #  
 PAGE 1 OF 2

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #:  
**gpalmer@energyfuels.com; KWein@energyfuels.com;**  
 EMAIL: **dturk@energyfuels.com**  
 PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
 PROJECT #:  
 PO #:  
 SAMPLER NAME: **TANNER HOLLIDAY**

| QC LEVEL: |                 | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 | DUE DATE:                         |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
|-----------|-----------------|-------------------|-----------------|--|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------|--------------------|------------------------------|------------------|---------------------------------|
| 3         |                 | STANDARD          |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| SAMPLE ID | DATE SAMPLED    | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C) | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO4 (4500 or 300.0) | Fl (4500 or 300.0) | Dissolved Iron (200.7/200.8) | VOCs THF (8260C) | KNOWN HAZARDS & SAMPLE COMMENTS |
| 1         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 2         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 3         | MW-03A_03052014 | 3/5/2014          | 4               | W X  |                 |                                   |                    | X           |                                 | X                               |                                  |                                  | X                   |                    |                              |                  |                                 |
| 4         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 5         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 6         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 7         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 8         |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 9         | MW-23_03052014  | 3/5/2014          | 1               | W  |                 | X                                 |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 10        | MW-24_03062014  | 3/6/2014          | 1               | W  |                 |                                   |                    |             | X                               |                                 | X                                |                                  | X                   |                    |                              |                  |                                 |
| 11        |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |
| 12        |                 |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |

INCLUDE EDD:  
 LOCUS UPLOAD  
 EXCEL  
 FIELD FILTERED FOR:  
 Dissolved Metals

FOR COMPLIANCE WITH:  
 NELAP  
 RCRA  
 CWA  
 SDWA  
 ELAP / AZLA  
 NLLAP  
 NON-COMPLIANCE  
 OTHER:

KNOWN HAZARDS & SAMPLE COMMENTS

LABORATORY USE ONLY

SAMPLES WERE:  
 SHIPPED OR HAND DELIVERED  
 2. AMBIENT OR CHILLED  
 3. TEMPERATURE 2.2 °C  
 4. RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED)  
 5. IMPROPERLY PRESERVED  
 6. CHECKED AT BENCH  
 7. RECEIVED WITHIN HOLDING TIME

GOC TAPS WERE:  
 1. PRESENT ON OUTER PACKAGE  
 2. UNBROKEN ON OUTER PACKAGE  
 3. PRESENT ON SAMPLE  
 4. UNBROKEN ON SAMPLE

DISCREPANCIES BETWEEN SAMPLE LABELS AND GOC RECORD?  
 Y  N

|  |                   |   |                 |  |
|--|-------------------|---|-----------------|--|
| RELINQUISHED BY:<br>SIGNATURE <i>Tanner Holliday</i> | DATE:<br>3/6/2014 | RECEIVED BY:<br>SIGNATURE <i>Elaine Hoyle</i> | DATE:<br>3/7/14 | SPECIAL INSTRUCTIONS:<br><br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| PRINT NAME:<br>Tanner Holliday                       | TIME:<br>1000     | PRINT NAME:<br>Elaine Hoyle                   | TIME:<br>935    |  |
| RELINQUISHED BY:<br>SIGNATURE                        | DATE:             | RECEIVED BY:<br>SIGNATURE                     | DATE:           |  |
| PRINT NAME:  | TIME:             | PRINT NAME:                                   | TIME:           |  |
| RELINQUISHED BY:<br>SIGNATURE                        | DATE:             | RECEIVED BY:<br>SIGNATURE                     | DATE:           |  |
| PRINT NAME:  | TIME:             | PRINT NAME:                                   | TIME:           |  |



**American West  
Analytical Laboratories**

463 W. 3600 S. Salt Lake City, UT 84115  
Phone # (801) 263-8686 Toll Free # (888) 263-8686

Fax # (801) 263-8687 Email awal@awal-labs.com

www.awal-labs.com

**CHAIN OF CUSTODY**

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1403121  
1403496 *MC*  
AWAL Lab Sample Set # *3/26/14*  
Page \_\_\_\_\_ of \_\_\_\_\_

Client: **Energy Fuels Resources, Inc.**  
Address: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
Contact: **Garrin Palmer**  
Phone #: **(435) 678-2221** Cell #: \_\_\_\_\_  
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**  
Project Name: **1st Quarter Groundwater 2014**  
Project #: \_\_\_\_\_  
PO #: \_\_\_\_\_  
Sampler Name: **Garrin Palmer**

| QC Level:                     |                | Turn Around Time: |              | Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due. |               | Due Date:       |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|-------------------------------|----------------|-------------------|--------------|--|---------------|-----------------|----------------------|-----------------------------|-------------|---------------------|------------|--------------------------------------|---|-------------|--------------|---------------------------------|---|
| 3                             |                | Standard          |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
| 7<br>8<br>9<br>10<br>11<br>12 | Sample ID:     | Date Sampled      | Time Sampled | # of Containers  | Sample Matrix | NO2/NO3 (353.2) | NH3 (4500G or 350.1) | Fl, Cl, SO4 (4500 or 300.0) | TDS (2540C) | Carb/Bicarb (2320B) | Alkalinity | Dissolved Metals (200.7/200.8/245.1) | As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca | Ion Balance | VOCs (8260C) | Known Hazards & Sample Comments | Laboratory Use Only   |
|                               | MW-36_03252014 | 3/25/2014         | 830          | 1  | w             |                 |                      |                             |             | x                   |            |                                      |   |             |              |                                 | X Include EDD:<br><b>LOCUS UPLOAD</b><br><b>EXCEL</b><br>X Field Filtered For:<br><b>Dissolved Metals</b><br><br>For Compliance With:<br><input type="checkbox"/> NELAP<br><input type="checkbox"/> RCRA<br><input type="checkbox"/> CWA<br><input type="checkbox"/> SDWA<br><input type="checkbox"/> ELAP / A2LA<br><input type="checkbox"/> NLLAP<br><input type="checkbox"/> Non-Compliance<br><input type="checkbox"/> Other:<br><br>X Shipped on Ship's deliv. verid.<br>2. Ambient or Shaded<br>3. Temperature <b>3.8</b><br>4. Received Broken/Leaking (Integrity Seal) Y<br>5. Properly Preserved Y<br>6. Received Within Holding Times Y<br>7. Received Within Holding Times N |
|                               | MW-70_03252014 | 3/25/2014         | 830          | 1  | w             |                 |                      |                             |             | x                   |            |                                      |   |             |              |                                 | COC Tape Was:<br>1. Broken on Outer Package Y N NA<br>2. Broken on Outer Package Y N NA<br>3. Present on Seams Y N NA<br>4. Broken on Sample Y N NA<br>Discrepancy Between Sample List and COC Record Y N   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |
|                               |                |                   |              |  |               |                 |                      |                             |             |                     |            |                                      |   |             |              |                                 |   |

|  |                      |   |                      |  |
|--|----------------------|---|----------------------|--|
| Relinquished by: <i>Garrin Palmer</i><br>Signature | Date: <i>3/25/14</i> | Received by: _____<br>Signature               | Date: _____          | Special Instructions:<br><br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| Print Name: <i>Garrin Palmer</i>                   | Time: <i>1230</i>    | Print Name: _____                             | Time: _____          |  |
| Relinquished by: _____<br>Signature                | Date: _____          | Received by: _____<br>Signature               | Date: _____          |  |
| Print Name: _____                                  | Time: _____          | Print Name: _____                             | Time: _____          |  |
| Relinquished by: _____<br>Signature                | Date: _____          | Received by: _____<br>Signature               | Date: _____          |  |
| Print Name: _____                                  | Time: _____          | Print Name: _____                             | Time: _____          |  |
| Relinquished by: _____<br>Signature                | Date: _____          | Received by: <i>Denise Bruun</i><br>Signature | Date: <i>3/26/14</i> |  |
| Print Name: _____                                  | Time: _____          | Print Name: <i>Denise Bruun</i>               | Time: <i>9:20</i>    |  |

Preservation Check Sheet

Sample Set Extension and pH

| Analysis                          | Preservative                         | 1   | 2   | 3   | 4   | 5   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide                           | pH >12<br>NaOH                       |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metals                            | pH <2 HNO <sub>3</sub>               | Yes | Yes | Yes | Yes | Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> | Yes |     |     | Yes | Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| O & G                             | pH <2 HCL                            |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation

- \* The sample required additional preservative upon receipt.
- + The sample was received unpreserved
- ▲ The Sample was received unpreserved and therefore preserved upon receipt.
- # The sample pH was unadjustable to a pH < 2 due to the sample matrix
- The sample pH was unadjustable to a pH > \_\_\_\_ due to the sample matrix interference



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1403421

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 2 sample(s) on 3/21/2014 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

**Kyle F. Gross**  
Digitally signed by Kyle F. Gross  
DN: cn=Kyle F. Gross, o=AWAL,  
ou=AWAL-Laboratory Director,  
email=kyle@awal-labs.com, c=US  
Date: 2014.04.07 10:03:36 -06'00'

Approved by:

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403421  
**Date Received:** 3/21/2014 930h

463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix  | Analysis                                   |
|---------------|------------------|----------------|---------|--|
| 1403421-001A  | MW-37_03202014   | 3/20/2014 800h | Aqueous | VOA by GC/MS Method 8260C/5030C            |
| 1403421-001B  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Fluoride, Aqueous                          |
| 1403421-001B  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Chloride, Aqueous                          |
| 1403421-001B  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Sulfate, Aqueous                           |
| 1403421-001B  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Alkalinity/ Bicarbonate/ Carbonate, A2320B |
| 1403421-001C  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Total Dissolved Solids, A2540C             |
| 1403421-001D  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Ammonia, Aqueous                           |
| 1403421-001D  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Nitrite/Nitrate (as N), E353.2             |
| 1403421-001E  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Ion Balance                                |
| 1403421-001E  | MW-37_03202014   | 3/20/2014 800h | Aqueous | Mercury, Drinking Water Dissolved          |
| 1403421-001E  | MW-37_03202014   | 3/20/2014 800h | Aqueous | ICPMS Metals, Dissolved                    |
| 1403421-001E  | MW-37_03202014   | 3/20/2014 800h | Aqueous | ICP Metals, Dissolved                      |
| 1403421-002A  | Trip Blank       | 3/20/2014      | Aqueous | VOA by GC/MS Method 8260C/5030C            |



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403421

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### Sample Receipt Information:

**Date of Receipt:** 3/21/2014  
**Date(s) of Collection:** 3/20/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, LCSD, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD):** All LCS and LCSD recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

| Sample ID    | Analyte   | QC     | Explanation                |
|--------------|-----------|--------|----------------------------|
| 1403421-001E | Calcium   | MS/MSD | High analyte concentration |
| 1403421-001E | Magnesium | MS/MSD | High analyte concentration |
| 1403421-001E | Sodium    | MS/MSD | High analyte concentration |

**Duplicate (DUP):** The parameters that required a duplicate analysis had RPDs within the control limits.

**Corrective Action:** None required.

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Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1403421

---

463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### Sample Receipt Information:

|                               |                            |
|-------------------------------|----------------------------|
| <b>Date of Receipt:</b>       | 3/21/2014                  |
| <b>Date(s) of Collection:</b> | 3/20/2014                  |
| <b>Sample Condition:</b>      | Intact                     |
| <b>C-O-C Discrepancies:</b>   | None                       |
| <b>Method:</b>                | SW-846 8260C/5030C         |
| <b>Analysis:</b>              | Volatile Organic Compounds |

**General Set Comments:** No target analytes were observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units            | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-31190</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                  |        | 03/26/2014 1056h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      |        | 200.7-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                  |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                         | 10.2   | mg/L             | E200.7 | 0.00892   | 1.00            | 10.00         | 0                 | 102  | 85 - 115 |              |       |           |      |
| Magnesium                       | 9.72   | mg/L             | E200.7 | 0.0389    | 1.00            | 10.00         | 0                 | 97.2 | 85 - 115 |              |       |           |      |
| Potassium                       | 9.34   | mg/L             | E200.7 | 0.0721    | 1.00            | 10.00         | 0                 | 93.4 | 85 - 115 |              |       |           |      |
| Sodium                          | 9.12   | mg/L             | E200.7 | 0.0269    | 1.00            | 10.00         | 0                 | 91.2 | 85 - 115 |              |       |           |      |
| Vanadium                        | 0.195  | mg/L             | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 97.6 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31191</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                  |        | 03/31/2014 526h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                  |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                         | 0.199  | mg/L             | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 99.4 | 85 - 115 |              |       |           |      |
| Beryllium                       | 0.194  | mg/L             | E200.8 | 0.0000698 | 0.00200         | 0.2000        | 0                 | 96.9 | 85 - 115 |              |       |           |      |
| Cadmium                         | 0.193  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 96.4 | 85 - 115 |              |       |           |      |
| Chromium                        | 0.195  | mg/L             | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 97.7 | 85 - 115 |              |       |           |      |
| Cobalt                          | 0.194  | mg/L             | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 97.0 | 85 - 115 |              |       |           |      |
| Iron                            | 0.979  | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 97.9 | 85 - 115 |              |       |           |      |
| Lead                            | 0.197  | mg/L             | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 98.4 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.198  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 99.1 | 85 - 115 |              |       |           |      |
| Molybdenum                      | 0.184  | mg/L             | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0                 | 92.2 | 85 - 115 |              |       |           |      |
| Nickel                          | 0.194  | mg/L             | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0                 | 97.0 | 85 - 115 |              |       |           |      |
| Selenium                        | 0.196  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 97.9 | 85 - 115 |              |       |           |      |
| Silver                          | 0.187  | mg/L             | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 93.7 | 85 - 115 |              |       |           |      |
| Thallium                        | 0.194  | mg/L             | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0                 | 97.0 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.207  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0                 | 103  | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31191</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                  |        | 03/31/2014 1529h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                  |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Copper                          | 0.196  | mg/L             | E200.8 | 0.00152   | 0.00200         | 0.2000        | 0                 | 98.1 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-31191</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                  |        | 04/02/2014 737h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                  |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Tin                             | 1.01   | mg/L             | E200.8 | 0.000620  | 0.00200         | 1.000         | 0                 | 101  | 85 - 115 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                           | Result                          | Units | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|---------------------------------|-------|--------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-31191   | Date Analyzed: 04/02/2014 1321h |       |        |            |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: 03/21/2014 1155h |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Zinc                              | 1.00                            | mg/L  | E200.8 | 0.00368    | 0.0100          | 1.000         | 0                 | 100  | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-31221   | Date Analyzed: 03/26/2014 840h  |       |        |            |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> Hg-DW-DIS-245.1 | Date Prepared: 03/24/2014 1215h |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                           | 0.00350                         | mg/L  | E245.1 | 0.00000675 | 0.000150        | 0.003330      | 0                 | 105  | 85 - 115 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result     | Units                           | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|------------|---------------------------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-31190</b> |            | Date Analyzed: 03/26/2014 1052h |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.7-DIS           |            | Date Prepared: 03/21/2014 1155h |        |            |                 |               |                   |      |        |              |       |           |      |
| Calcium                        | < 1.00     | mg/L                            | E200.7 | 0.00892    | 1.00            |               |                   |      |        |              |       |           |      |
| Magnesium                      | < 1.00     | mg/L                            | E200.7 | 0.0389     | 1.00            |               |                   |      |        |              |       |           |      |
| Potassium                      | < 1.00     | mg/L                            | E200.7 | 0.0721     | 1.00            |               |                   |      |        |              |       |           |      |
| Sodium                         | < 1.00     | mg/L                            | E200.7 | 0.0269     | 1.00            |               |                   |      |        |              |       |           |      |
| Vanadium                       | < 0.00500  | mg/L                            | E200.7 | 0.000596   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31191</b> |            | Date Analyzed: 03/31/2014 521h  |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS           |            | Date Prepared: 03/21/2014 1155h |        |            |                 |               |                   |      |        |              |       |           |      |
| Arsenic                        | < 0.00200  | mg/L                            | E200.8 | 0.00118    | 0.00200         |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500 | mg/L                            | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Chromium                       | < 0.00200  | mg/L                            | E200.8 | 0.000938   | 0.00200         |               |                   |      |        |              |       |           |      |
| Cobalt                         | < 0.00400  | mg/L                            | E200.8 | 0.00364    | 0.00400         |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.00200  | mg/L                            | E200.8 | 0.00166    | 0.00200         |               |                   |      |        |              |       |           |      |
| Molybdenum                     | < 0.00200  | mg/L                            | E200.8 | 0.000496   | 0.00200         |               |                   |      |        |              |       |           |      |
| Nickel                         | < 0.00200  | mg/L                            | E200.8 | 0.000898   | 0.00200         |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00200  | mg/L                            | E200.8 | 0.000686   | 0.00200         |               |                   |      |        |              |       |           |      |
| Silver                         | < 0.00200  | mg/L                            | E200.8 | 0.000101   | 0.00200         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31191</b> |            | Date Analyzed: 03/31/2014 620h  |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS           |            | Date Prepared: 03/21/2014 1155h |        |            |                 |               |                   |      |        |              |       |           |      |
| Beryllium                      | < 0.000500 | mg/L                            | E200.8 | 0.0000174  | 0.000500        |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0250   | mg/L                            | E200.8 | 0.0118     | 0.0250          |               |                   |      |        |              |       |           |      |
| Lead                           | < 0.000500 | mg/L                            | E200.8 | 0.000316   | 0.000500        |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500 | mg/L                            | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31191</b> |            | Date Analyzed: 03/31/2014 647h  |        |            |                 |               |                   |      |        |              |       |           |      |
| Test Code: 200.8-DIS           |            | Date Prepared: 03/21/2014 1155h |        |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000200 | mg/L                            | E200.8 | 0.00000598 | 0.000200        |               |                   |      |        |              |       |           |      |



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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** ME

**QC Type:** MBLK

| Analyte                           | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-31191    | Date Analyzed: | 03/31/2014 | 1524h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/21/2014 | 1155h  |            |                 |               |                   |      |        |              |       |           |      |
| Copper                            | < 0.00200      | mg/L       | E200.8 | 0.00152    | 0.00200         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31191    | Date Analyzed: | 04/02/2014 | 727h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/21/2014 | 1155h  |            |                 |               |                   |      |        |              |       |           |      |
| Tin                               | < 0.00200      | mg/L       | E200.8 | 0.000620   | 0.00200         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31191    | Date Analyzed: | 04/02/2014 | 1316h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS       | Date Prepared: | 03/21/2014 | 1155h  |            |                 |               |                   |      |        |              |       |           |      |
| Zinc                              | < 0.0100       | mg/L       | E200.8 | 0.00368    | 0.0100          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-31221    | Date Analyzed: | 03/26/2014 | 839h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> Hg-DW-DIS-245.1 | Date Prepared: | 03/24/2014 | 1215h  |            |                 |               |                   |      |        |              |       |           |      |
| Mercury                           | < 0.000150     | mg/L       | E245.1 | 0.00000675 | 0.000150        |               |                   |      |        |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units                                  | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|--|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001EMS</b> |        |  |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.7-DIS          |        | <b>Date Analyzed:</b> 03/26/2014 1112h |        |           |                 |               |                   |      |          |              |       |           |      |
|                                      |        | <b>Date Prepared:</b> 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                              | 471    | mg/L                                   | E200.7 | 0.446     | 50.0            | 10.00         | 445               | 260  | 70 - 130 |              |       |           | ±    |
| Magnesium                            | 135    | mg/L                                   | E200.7 | 1.95      | 50.0            | 10.00         | 130               | 51.1 | 70 - 130 |              |       |           | ±    |
| Sodium                               | 480    | mg/L                                   | E200.7 | 1.34      | 50.0            | 10.00         | 476               | 37.8 | 70 - 130 |              |       |           | ±    |
| <b>Lab Sample ID: 1403421-001EMS</b> |        |  |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.7-DIS          |        | <b>Date Analyzed:</b> 03/26/2014 1628h |        |           |                 |               |                   |      |          |              |       |           |      |
|                                      |        | <b>Date Prepared:</b> 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Potassium                            | 23.8   | mg/L                                   | E200.7 | 0.0721    | 1.00            | 10.00         | 14.3              | 95.6 | 70 - 130 |              |       |           |      |
| Vanadium                             | 0.180  | mg/L                                   | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 89.8 | 70 - 130 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001EMS</b> |        |  |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          |        | <b>Date Analyzed:</b> 03/31/2014 548h  |        |           |                 |               |                   |      |          |              |       |           |      |
|                                      |        | <b>Date Prepared:</b> 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                              | 0.200  | mg/L                                   | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 100  | 75 - 125 |              |       |           |      |
| Beryllium                            | 0.191  | mg/L                                   | E200.8 | 0.0000698 | 0.00200         | 0.2000        | 0                 | 95.7 | 75 - 125 |              |       |           |      |
| Cadmium                              | 0.190  | mg/L                                   | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0.0003            | 95.1 | 75 - 125 |              |       |           |      |
| Chromium                             | 0.188  | mg/L                                   | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 94.0 | 75 - 125 |              |       |           |      |
| Cobalt                               | 0.188  | mg/L                                   | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 94.2 | 75 - 125 |              |       |           |      |
| Iron                                 | 0.958  | mg/L                                   | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 95.8 | 75 - 125 |              |       |           |      |
| Lead                                 | 0.190  | mg/L                                   | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 95.2 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.198  | mg/L                                   | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.00656           | 95.6 | 75 - 125 |              |       |           |      |
| Molybdenum                           | 0.195  | mg/L                                   | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0.000822          | 97.1 | 75 - 125 |              |       |           |      |
| Nickel                               | 0.197  | mg/L                                   | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0.00752           | 94.6 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.201  | mg/L                                   | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.00706           | 97.1 | 75 - 125 |              |       |           |      |
| Silver                               | 0.160  | mg/L                                   | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 79.9 | 75 - 125 |              |       |           |      |
| Thallium                             | 0.189  | mg/L                                   | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000693          | 94.1 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.215  | mg/L                                   | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0116            | 102  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001EMS</b> |        |  |        |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          |        | <b>Date Analyzed:</b> 03/31/2014 1540h |        |           |                 |               |                   |      |          |              |       |           |      |
|                                      |        | <b>Date Prepared:</b> 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Copper                               | 0.189  | mg/L                                   | E200.8 | 0.00152   | 0.00200         | 0.2000        | 0                 | 94.4 | 75 - 125 |              |       |           |      |



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Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte  | Result  | Units | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|---------|-------|--------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001EMS</b> Date Analyzed: 04/02/2014 826h  |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS      Date Prepared: 03/21/2014 1155h            |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Tin  | 1.01    | mg/L  | E200.8 | 0.000620   | 0.00200         | 1.000         | 0                 | 101  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001EMS</b> Date Analyzed: 04/02/2014 1336h |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS      Date Prepared: 03/21/2014 1155h            |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Zinc   | 1.05    | mg/L  | E200.8 | 0.00368    | 0.0100          | 1.000         | 0.0276            | 102  | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001EMS</b> Date Analyzed: 03/26/2014 847h  |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: Hg-DW-DIS-245.1      Date Prepared: 03/24/2014 1215h      |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Mercury  | 0.00336 | mg/L  | E245.1 | 0.00000675 | 0.000150        | 0.003330      | 0                 | 101  | 85 - 115 |              |       |           |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



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Kyle F. Gross  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units            | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                        |        | 03/26/2014 1116h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                            |        | 200.7-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                        |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Calcium                               | 462    | mg/L             | E200.7 | 0.446     | 50.0            | 10.00         | 445               | 164  | 70 - 130 | 471          | 2.07  | 20        | ±    |
| Magnesium                             | 132    | mg/L             | E200.7 | 1.95      | 50.0            | 10.00         | 130               | 17.2 | 70 - 130 | 135          | 2.54  | 20        | ±    |
| Sodium                                | 452    | mg/L             | E200.7 | 1.34      | 50.0            | 10.00         | 476               | -242 | 70 - 130 | 480          | 6.00  | 20        | ±    |
| <b>Lab Sample ID: 1403421-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                        |        | 03/26/2014 1632h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                            |        | 200.7-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                        |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Potassium                             | 24.6   | mg/L             | E200.7 | 0.0721    | 1.00            | 10.00         | 14.3              | 103  | 70 - 130 | 23.8         | 3.09  | 20        |      |
| Vanadium                              | 0.187  | mg/L             | E200.7 | 0.000596  | 0.00500         | 0.2000        | 0                 | 93.7 | 70 - 130 | 0.18         | 4.25  | 20        |      |
| <b>Lab Sample ID: 1403421-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                        |        | 03/31/2014 553h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                        |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Arsenic                               | 0.201  | mg/L             | E200.8 | 0.00118   | 0.00200         | 0.2000        | 0                 | 100  | 75 - 125 | 0.2          | 0.346 | 20        |      |
| Beryllium                             | 0.191  | mg/L             | E200.8 | 0.0000698 | 0.00200         | 0.2000        | 0                 | 95.3 | 75 - 125 | 0.191        | 0.476 | 20        |      |
| Cadmium                               | 0.192  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0.0003            | 96.0 | 75 - 125 | 0.19         | 0.942 | 20        |      |
| Chromium                              | 0.190  | mg/L             | E200.8 | 0.000938  | 0.00200         | 0.2000        | 0                 | 94.8 | 75 - 125 | 0.188        | 0.859 | 20        |      |
| Cobalt                                | 0.190  | mg/L             | E200.8 | 0.00364   | 0.00400         | 0.2000        | 0                 | 94.9 | 75 - 125 | 0.188        | 0.765 | 20        |      |
| Iron                                  | 0.963  | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 96.3 | 75 - 125 | 0.958        | 0.570 | 20        |      |
| Lead                                  | 0.191  | mg/L             | E200.8 | 0.00126   | 0.00200         | 0.2000        | 0                 | 95.5 | 75 - 125 | 0.19         | 0.345 | 20        |      |
| Manganese                             | 0.199  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.00656           | 96.1 | 75 - 125 | 0.198        | 0.500 | 20        |      |
| Molybdenum                            | 0.193  | mg/L             | E200.8 | 0.000496  | 0.00200         | 0.2000        | 0.000822          | 95.9 | 75 - 125 | 0.195        | 1.24  | 20        |      |
| Nickel                                | 0.199  | mg/L             | E200.8 | 0.000898  | 0.00200         | 0.2000        | 0.00752           | 95.5 | 75 - 125 | 0.197        | 0.901 | 20        |      |
| Selenium                              | 0.201  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.00706           | 97.2 | 75 - 125 | 0.201        | 0.108 | 20        |      |
| Silver                                | 0.182  | mg/L             | E200.8 | 0.000101  | 0.00200         | 0.2000        | 0                 | 91.0 | 75 - 125 | 0.16         | 12.9  | 20        |      |
| Thallium                              | 0.186  | mg/L             | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000693          | 92.7 | 75 - 125 | 0.189        | 1.54  | 20        |      |
| Uranium                               | 0.215  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0116            | 102  | 75 - 125 | 0.215        | 0.105 | 20        |      |
| <b>Lab Sample ID: 1403421-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                        |        | 03/31/2014 1545h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                        |        | 03/21/2014 1155h |        |           |                 |               |                   |      |          |              |       |           |      |
| Copper                                | 0.193  | mg/L             | E200.8 | 0.00152   | 0.00200         | 0.2000        | 0                 | 96.6 | 75 - 125 | 0.189        | 2.31  | 20        |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result  | Units | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|---------|-------|--------|------------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001EMSD</b> |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 04/02/2014 832h        |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/21/2014 1155h       |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Tin                                   | 1.02    | mg/L  | E200.8 | 0.000620   | 0.00200         | 1.000         | 0                 | 102  | 75 - 125 | 1.01         | 1.27  | 20        |      |
| <b>Lab Sample ID: 1403421-001EMSD</b> |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 04/02/2014 1342h       |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/21/2014 1155h       |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Zinc                                  | 1.05    | mg/L  | E200.8 | 0.00368    | 0.0100          | 1.000         | 0.0276            | 103  | 75 - 125 | 1.05         | 0.754 | 20        |      |
| <b>Lab Sample ID: 1403421-001EMSD</b> |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/26/2014 848h        |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Test Code: Hg-DW-DIS-245.1            |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Date Prepared: 03/24/2014 1215h       |         |       |        |            |                 |               |                   |      |          |              |       |           |      |
| Mercury                               | 0.00323 | mg/L  | E245.1 | 0.00000675 | 0.000150        | 0.003330      | 0                 | 97.0 | 85 - 115 | 0.00336      | 4.01  | 20        |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



463 West 3600 South

Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1403421-001CDUP |        | Date Analyzed: 03/21/2014 1200h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 3,960  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 4000         | 1.00  | 5         |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-R66402</b> Date Analyzed: 03/24/2014 832h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 51,900 | mg/L  | SM2320B      | 0.719   | 10.0            | 50,000        | 0                 | 104  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66434</b> Date Analyzed: 03/24/2014 1537h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 24.3   | mg/L  | SM4500-CL-E  | 0.965   | 5.00            | 25.00         | 0                 | 97.4 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66451</b> Date Analyzed: 03/25/2014 900h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.09   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 109  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-31220</b> Date Analyzed: 03/26/2014 1524h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/24/2014 1100h           |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)   | 1.03   | mg/L  | E350.1       | 0.0214  | 0.0500          | 1.000         | 0                 | 103  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66587</b> Date Analyzed: 03/27/2014 1648h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                       |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.03   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 103  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66443</b> Date Analyzed: 03/25/2014 540h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 1,100  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 110  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R66422</b> Date Analyzed: 03/21/2014 1200h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids   | 200    | mg/L  | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 97.6 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** LCSD

| Analyte                           | Result                          | Units | Method      | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|---------------------------------|-------|-------------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCSD-R66434 | Date Analyzed: 03/24/2014 1538h |       |             |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> CL-W-4500CLE    |                                 |       |             |       |                 |               |                   |      |          |              |       |           |      |
| Chloride                          | 25.1                            | mg/L  | SM4500-CL-E | 0.965 | 5.00            | 25.00         | 0                 | 100  | 90 - 110 | 24.3         | 3.03  | 10        |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** MBLK

| Analyte                         | Result   | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|----------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R66402</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/24/2014 832h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: ALK-W-2320B          |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Bicarbonate (as CaCO3)          | < 10.0   | mg/L  | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| Carbonate (as CaCO3)            | < 10.0   | mg/L  | SM2320B      | 0.719   | 10.0            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66434</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/24/2014 1536h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: CL-W-4500CLE         |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 5.00   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66451</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/25/2014 900h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC           |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride                        | < 0.100  | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-31220</b>  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/26/2014 1523h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NH3-W-350.1          |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Prepared: 03/24/2014 1100h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Ammonia (as N)                  | < 0.0500 | mg/L  | E350.1       | 0.0214  | 0.0500          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66587</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/27/2014 1647h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2      |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)          | < 0.100  | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66443</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/25/2014 540h  |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E       |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate                         | < 5.00   | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R66422</b> |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 03/21/2014 1200h |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C          |          |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids          | < 10.0   | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



463 West 3600 South  
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001BMS</b> Date Analyzed: 03/24/2014 832h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)  | 259    | mg/L  | SM2320B      | 0.719   | 10.0            | 50.00         | 208               | 102  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001BMS</b> Date Analyzed: 03/24/2014 1606h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 54.4   | mg/L  | SM4500-Cl-E  | 0.965   | 5.00            | 10.00         | 45.1              | 92.9 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001BMS</b> Date Analyzed: 03/25/2014 900h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.39   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.324             | 107  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001DMS</b> Date Analyzed: 03/26/2014 1527h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/24/2014 1100h               |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)   | 9.59   | mg/L  | E350.1       | 0.214   | 0.500           | 10.00         | 0                 | 95.9 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001DMS</b> Date Analyzed: 03/27/2014 1655h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.39   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.429             | 96.1 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1403421-001BMS</b> Date Analyzed: 03/25/2014 540h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 5,380  | mg/L  | SM4500-SO4-E | 339     | 625             | 2,500         | 2600              | 111  | 80 - 120 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** WC

**QC Type:** MSD

| Analyte   | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001BMSD</b> Date Analyzed: 03/24/2014 832h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: ALK-W-2320B  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Alkalinity (as CaCO3)   | 258    | mg/L  | SM2320B      | 0.719   | 10.0            | 50.00         | 208               | 100  | 80 - 120 | 259          | 0.348 | 10        |      |
| <b>Lab Sample ID: 1403421-001BMSD</b> Date Analyzed: 03/24/2014 1608h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: CL-W-4500CLE   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 54.1   | mg/L  | SM4500-CL-E  | 0.965   | 5.00            | 10.00         | 45.1              | 89.7 | 90 - 110 | 54.4         | 0.590 | 10        | §    |
| <b>Lab Sample ID: 1403421-001BMSD</b> Date Analyzed: 03/25/2014 900h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.42   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.324             | 110  | 80 - 120 | 1.39         | 2.14  | 10        |      |
| <b>Lab Sample ID: 1403421-001DMSD</b> Date Analyzed: 03/26/2014 1528h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NH3-W-350.1 Date Prepared: 03/24/2014 1100h                |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Ammonia (as N)  | 9.41   | mg/L  | E350.1       | 0.214   | 0.500           | 10.00         | 0                 | 94.1 | 90 - 110 | 9.59         | 1.90  | 10        |      |
| <b>Lab Sample ID: 1403421-001DMSD</b> Date Analyzed: 03/27/2014 1656h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.40   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.429             | 96.6 | 90 - 110 | 1.39         | 0.359 | 10        |      |
| <b>Lab Sample ID: 1403421-001BMSD</b> Date Analyzed: 03/25/2014 540h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 5,070  | mg/L  | SM4500-SO4-E | 339     | 625             | 2,500         | 2600              | 98.8 | 80 - 120 | 5380         | 5.91  | 10        |      |

§ - QC limits are set with an accuracy of two significant figures, therefore the recovery rounds to an acceptable value within the control limits.



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** MSVOA

**QC Type:** LCS

| Analyte  | Result | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC-D 032114A</b> Date Analyzed: 03/21/2014 751h |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene  | 22.2   | µg/L  | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 111  | 62 - 127 |              |       |           |      |
| Chloroform   | 22.7   | µg/L  | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 113  | 67 - 132 |              |       |           |      |
| Methylene chloride   | 21.4   | µg/L  | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 107  | 32 - 185 |              |       |           |      |
| Naphthalene  | 15.8   | µg/L  | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 79.0 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran  | 22.0   | µg/L  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 110  | 43 - 146 |              |       |           |      |
| Toluene  | 22.0   | µg/L  | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 110  | 64 - 129 |              |       |           |      |
| Xylenes, Total   | 71.3   | µg/L  | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 119  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4  | 49.4   | µg/L  | SW8260C |       |                 | 50.00         |                   | 98.9 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene   | 50.2   | µg/L  | SW8260C |       |                 | 50.00         |                   | 100  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane   | 51.8   | µg/L  | SW8260C |       |                 | 50.00         |                   | 104  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8   | 49.9   | µg/L  | SW8260C |       |                 | 50.00         |                   | 99.8 | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: LCS VOC-D 032414A</b> Date Analyzed: 03/24/2014 742h |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene  | 22.7   | µg/L  | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 114  | 62 - 127 |              |       |           |      |
| Chloroform   | 21.8   | µg/L  | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 109  | 67 - 132 |              |       |           |      |
| Methylene chloride   | 21.1   | µg/L  | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 106  | 32 - 185 |              |       |           |      |
| Naphthalene  | 16.0   | µg/L  | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 80.1 | 28 - 136 |              |       |           |      |
| Tetrahydrofuran  | 19.6   | µg/L  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 98.2 | 43 - 146 |              |       |           |      |
| Toluene  | 22.6   | µg/L  | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 113  | 64 - 129 |              |       |           |      |
| Xylenes, Total   | 75.6   | µg/L  | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 126  | 52 - 134 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4  | 48.1   | µg/L  | SW8260C |       |                 | 50.00         |                   | 96.3 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene   | 54.4   | µg/L  | SW8260C |       |                 | 50.00         |                   | 109  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane   | 51.6   | µg/L  | SW8260C |       |                 | 50.00         |                   | 103  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8   | 52.3   | µg/L  | SW8260C |       |                 | 50.00         |                   | 105  | 81 - 135 |              |       |           |      |



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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** MSVOA

**QC Type:** MBLK

| Analyte                                | Result | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 032114A</b> |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/21/2014 829h         |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                      |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| 2-Butanone                             | < 20.0 | µg/L  | SW8260C | 0.806 | 20.0            |               |                   |      |          |              |       |           |      |
| Acetone                                | < 20.0 | µg/L  | SW8260C | 3.62  | 20.0            |               |                   |      |          |              |       |           |      |
| Benzene                                | < 1.00 | µg/L  | SW8260C | 0.847 | 1.00            |               |                   |      |          |              |       |           |      |
| Carbon tetrachloride                   | < 1.00 | µg/L  | SW8260C | 0.378 | 1.00            |               |                   |      |          |              |       |           |      |
| Chloroform                             | < 1.00 | µg/L  | SW8260C | 1.28  | 1.00            |               |                   |      |          |              |       |           |      |
| Chloromethane                          | < 1.00 | µg/L  | SW8260C | 1.26  | 1.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                     | < 1.00 | µg/L  | SW8260C | 1.76  | 1.00            |               |                   |      |          |              |       |           |      |
| Naphthalene                            | < 1.00 | µg/L  | SW8260C | 0.671 | 1.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 1.00 | µg/L  | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Toluene                                | < 1.00 | µg/L  | SW8260C | 1.41  | 1.00            |               |                   |      |          |              |       |           |      |
| Xylenes, Total                         | < 1.00 | µg/L  | SW8260C | 1.05  | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 50.7   | µg/L  | SW8260C |       |                 | 50.00         |                   | 101  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 54.1   | µg/L  | SW8260C |       |                 | 50.00         |                   | 108  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 48.4   | µg/L  | SW8260C |       |                 | 50.00         |                   | 96.8 | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 52.6   | µg/L  | SW8260C |       |                 | 50.00         |                   | 105  | 81 - 135 |              |       |           |      |

|  |        |      |         |       |      |  |  |  |  |  |  |  |  |
|--|--------|------|---------|-------|------|--|--|--|--|--|--|--|--|
| <b>Lab Sample ID: MB VOC-D 032414A</b> |        |      |         |       |      |  |  |  |  |  |  |  |  |
| Date Analyzed: 03/24/2014 820h         |        |      |         |       |      |  |  |  |  |  |  |  |  |
| Test Code: 8260-W                      |        |      |         |       |      |  |  |  |  |  |  |  |  |
| 2-Butanone                             | < 10.0 | µg/L | SW8260C | 0.806 | 10.0 |  |  |  |  |  |  |  |  |
| Acetone                                | < 10.0 | µg/L | SW8260C | 3.62  | 10.0 |  |  |  |  |  |  |  |  |
| Benzene                                | < 2.00 | µg/L | SW8260C | 0.847 | 2.00 |  |  |  |  |  |  |  |  |
| Carbon tetrachloride                   | < 2.00 | µg/L | SW8260C | 0.378 | 2.00 |  |  |  |  |  |  |  |  |
| Chloroform                             | < 2.00 | µg/L | SW8260C | 1.28  | 2.00 |  |  |  |  |  |  |  |  |
| Chloromethane                          | < 3.00 | µg/L | SW8260C | 1.26  | 3.00 |  |  |  |  |  |  |  |  |
| Methylene chloride                     | < 2.00 | µg/L | SW8260C | 1.76  | 2.00 |  |  |  |  |  |  |  |  |
| Naphthalene                            | < 2.00 | µg/L | SW8260C | 0.671 | 2.00 |  |  |  |  |  |  |  |  |
| Tetrahydrofuran                        | < 2.00 | µg/L | SW8260C | 0.567 | 2.00 |  |  |  |  |  |  |  |  |
| Toluene                                | < 2.00 | µg/L | SW8260C | 1.41  | 2.00 |  |  |  |  |  |  |  |  |
| Xylenes, Total                         | < 2.00 | µg/L | SW8260C | 1.05  | 2.00 |  |  |  |  |  |  |  |  |

Report Date: 4/5/2014 Page 24 of 27



463 West 3600 South

Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.

**Lab Set ID:** 1403421

**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer

**Dept:** MSVOA

**QC Type:** MBLK

| Analyte                                | Result | Units | Method  | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|---------|-----|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 032414A</b> |        |       |         |     |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/24/2014 820h         |        |       |         |     |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                      |        |       |         |     |                 |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 48.6   | µg/L  | SW8260C |     |                 | 50.00         |                   | 97.3 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 54.4   | µg/L  | SW8260C |     |                 | 50.00         |                   | 109  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 49.2   | µg/L  | SW8260C |     |                 | 50.00         |                   | 98.5 | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 49.8   | µg/L  | SW8260C |     |                 | 50.00         |                   | 99.6 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001AMS</b> |        | Date Analyzed: 03/24/2014 839h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                    |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                              | 22.5   | µg/L                           | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 112  | 66 - 145 |              |       |           |      |
| Chloroform                           | 21.7   | µg/L                           | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 109  | 50 - 146 |              |       |           |      |
| Methylene chloride                   | 20.4   | µg/L                           | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 102  | 30 - 192 |              |       |           |      |
| Naphthalene                          | 14.7   | µg/L                           | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 73.5 | 41 - 131 |              |       |           |      |
| Tetrahydrofuran                      | 19.0   | µg/L                           | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 94.9 | 43 - 146 |              |       |           |      |
| Toluene                              | 23.1   | µg/L                           | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 116  | 18 - 192 |              |       |           |      |
| Xylenes, Total                       | 74.2   | µg/L                           | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 124  | 42 - 167 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 50.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 100  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 51.1   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 102  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 49.8   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 99.5 | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 52.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 104  | 77 - 129 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1403421  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1403421-001AMSD</b> |        | Date Analyzed: 03/24/2014 858h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>              |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Benzene                               | 19.6   | µg/L                           | SW8260C | 0.847 | 2.00            | 20.00         | 0                 | 98.0 | 66 - 145 | 22.5         | 13.6  | 25        |      |
| Chloroform                            | 19.1   | µg/L                           | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 95.4 | 50 - 146 | 21.7         | 13.0  | 25        |      |
| Methylene chloride                    | 18.3   | µg/L                           | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 91.4 | 30 - 192 | 20.4         | 11.2  | 25        |      |
| Naphthalene                           | 12.9   | µg/L                           | SW8260C | 0.671 | 2.00            | 20.00         | 0                 | 64.6 | 41 - 131 | 14.7         | 12.9  | 25        |      |
| Tetrahydrofuran                       | 18.2   | µg/L                           | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 91.2 | 43 - 146 | 19           | 3.98  | 25        |      |
| Toluene                               | 19.6   | µg/L                           | SW8260C | 1.41  | 2.00            | 20.00         | 0                 | 98.1 | 18 - 192 | 23.1         | 16.3  | 25        |      |
| Xylenes, Total                        | 64.0   | µg/L                           | SW8260C | 1.05  | 2.00            | 60.00         | 0                 | 107  | 42 - 167 | 74.2         | 14.8  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 47.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 94.3 | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 50.6   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 48.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 96.5 | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 48.8   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 97.7 | 77 - 129 |              |       |           |      |

# American West Analytical Laboratories

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Denison

## WORK ORDER Summary

Work Order: **1403421** Page 1 of 1

**Client:** Energy Fuels Resources, Inc.

Due Date: 4/1/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Ground Water 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume. Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Run Fe by 200.8 for necessary reporting limits. Metals samples have been field filtered.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1403421-001A | MW-37_03202014   | 3/20/2014 0800h | 3/21/2014 0930h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>        |         |                                     |                    |   |
| 1403421-001B |                  |                 |                 | ALK-W-2320B   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>2 SEL Analytes: ALKB ALKC</i>  |         |                                     |                    |   |
|              |                  |                 |                 | CL-W-4500CLE  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1403421-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1403421-001D |                  |                 |                 | NH3-W-350.1   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NH3N</i>   |         |                                     |                    |   |
|              |                  |                 |                 | NH3-W-PR  |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>  |         |                                     |                    |   |
| 1403421-001E |                  |                 |                 | 200.7-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: CA MG K NA V</i>                                       |         |                                     |                    |   |
|              |                  |                 |                 | 200.7-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i> |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | HG-DW-DIS-245.1   |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>1 SEL Analytes: HG</i>   |         |                                     |                    |   |
|              |                  |                 |                 | HG-DW-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | IONBALANCE  |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>        |         |                                     |                    |   |
| 1403421-002A | Trip Blank       | 3/20/2014       | 3/21/2014 0930h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4</i>        |         |                                     |                    |   |



# AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

## CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1403421  
 AWAL LAB SAMPLE SET #  
 PAGE 1 OF 1

| QC LEVEL:   |  | TURN AROUND TIME: |  | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |  | DUE DATE: |  |
|---|--|-------------------|--|--|--|-----------|--|
| 3   |  | STANDARD          |  |  |  |           |  |
| # OF CONTAINERS<br>SAMPLE MATRIX<br>NO2/NO3 (353.2)<br>NH3 (4500G or 350.1)<br>FI, CI, SO4 (4500 or 300.0)<br>TDS (2540C)<br>Carb/Bicarb (2320B)<br>Dissolved Metals (200.7/200.8/245.1)<br>As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,<br>Ni, Se, Ag, Ti, Sr, U, V, Zn, Na, K, Mg, Ca<br>Ion Balance<br>VOCs (8260C) |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |
|   |  |                   |  |  |  |           |  |

**INCLUDE EDD:**  
 LOCUS UPLOAD  
 EXCEL  
**FIELD FILTERED FOR:**  
 Dissolved Metals

**FOR COMPLIANCE WITH:**  
 NELAP  
 RCRA  
 CWA  
 SDWA  
 ELAP / A2LA  
 NLLAP  
 NON-COMPLIANCE  
 OTHER:

**KNOWN HAZARDS & SAMPLE COMMENTS**

LABORATORY USE ONLY

SAMPLES WERE:

1. SHIPPED OR HAND DELIVERED
2. AMBIENT OR CHILLED
3. TEMPERATURE 23 °C
4. RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED)
5. PROPERLY PRESERVED
6. CHECKED AT BENCH
7. RECEIVED WITHIN HOLDING TIME

COG TAPE WAS:

1. PRESENT ON OUTER PACKAGE
2. UNBROKEN ON OUTER PACKAGE
3. PRESENT ON SAMPLE
4. UNBROKEN ON SAMPLE

DISCREPANCIES BETWEEN SAMPLE LABELS AND COG RIBBON?

CLIENT: **Energy Fuels Resources, Inc.**

ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**

CONTACT: **Garrin Palmer**

PHONE #: **(435) 678-2221** CELL #:  
 Email: **gpalmer@energyfuels.com; kWeinl@energyfuels.com; dturk@energyfuels.com**

PROJECT NAME: **1ST Quarter Ground Water 2014**

PROJECT #:

PO #:

SAMPLER NAME: **TANNER HOLLIDAY**

|    | SAMPLE ID:            | DATE SAMPLED         | TIME SAMPLED | # OF CONTAINERS | SAMPLE MATRIX | NO2/NO3 (353.2) | NH3 (4500G or 350.1) | FI, CI, SO4 (4500 or 300.0) | TDS (2540C) | Carb/Bicarb (2320B) | Dissolved Metals (200.7/200.8/245.1) | As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sr, U, V, Zn, Na, K, Mg, Ca | Ion Balance | VOCs (8260C) | KNOWN HAZARDS & SAMPLE COMMENTS |
|----|-----------------------|----------------------|--------------|-----------------|---------------|-----------------|----------------------|-----------------------------|-------------|---------------------|--------------------------------------|---|-------------|--------------|---------------------------------|
| 1  | MW-37_03202014        | 3/20/2014            | 800          | 7               | W             | X               | X                    | X                           | X           | X                   | X                                    | X   | X           | X            |                                 |
| 2  | TRIP BLANK            | 3/20/2014            |              | 3               | W             |                 |                      |                             |             |                     |                                      |   |             | X            |                                 |
| 3  | <del>TRIP BLANK</del> | <del>3/20/2014</del> |              | 1               | W             |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 4  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 5  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 6  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 7  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 8  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 9  |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 10 |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 11 |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |
| 12 |                       |                      |              |                 |               |                 |                      |                             |             |                     |                                      |   |             |              |                                 |

|   |                    |   |                  |
|---|--------------------|---|------------------|
| RELINQUISHED BY:<br>SIGNATURE: <i>Tanner Holliday</i> | DATE:<br>3/20/2014 | RECEIVED BY:<br>SIGNATURE: <i>[Signature]</i> | DATE:            |
| PRINT NAME: <i>Tanner Holliday</i>                    | TIME:<br>1030      | PRINT NAME:                                   | DATE:<br>3/21/14 |
| RELINQUISHED BY:<br>SIGNATURE:                        | DATE:              | RECEIVED BY:<br>SIGNATURE: <i>[Signature]</i> | DATE:            |
| PRINT NAME:   | TIME:              | PRINT NAME: <i>[Signature]</i>                | TIME:<br>930     |
| RELINQUISHED BY:<br>SIGNATURE:                        | DATE:              | RECEIVED BY:<br>SIGNATURE:                    | DATE:            |
| PRINT NAME:   | TIME:              | PRINT NAME:                                   | TIME:            |
| RELINQUISHED BY:<br>SIGNATURE:                        | DATE:              | RECEIVED BY:<br>SIGNATURE:                    | DATE:            |
| PRINT NAME:   | TIME:              | PRINT NAME:                                   | TIME:            |

**SPECIAL INSTRUCTIONS:**

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.





March 18, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 343541

Dear Ms. Weinel;

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 343541**

**March 18, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 25, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <u>Laboratory ID</u> | <u>Client ID</u> |
|----------------------|------------------|
| 343541001            | MW-19_02182014   |
| 343541002            | MW-32_02112014   |
| 343541003            | MW-25_02132014   |
| 343541004            | MW-31_02172014   |
| 343541005            | MW-35_02112014   |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



|  |     |                                     |
|--|-----|-------------------------------------|
| Client: <u>DAMI</u>  |     | SDG/AR/COC/Work Order: <u>34541</u> |
| Received By: <u>P. Went</u>  |     | Date Received: <u>2/25/14</u>       |
| Suspected Hazard Information   | Yes | No                                  |
| COC/Samples marked as radioactive?                                       |     | <input checked="" type="checkbox"/> |
| Classified Radioactive II or III by RSO?                                 |     | <input checked="" type="checkbox"/> |
| COC/Samples marked containing PCBs?                                      |     | <input checked="" type="checkbox"/> |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? |     | <input checked="" type="checkbox"/> |
| Shipped as a DOT Hazardous?  |     | <input checked="" type="checkbox"/> |
| Samples identified as Foreign Soil?                                      |     | <input checked="" type="checkbox"/> |

\*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

Maximum Net Counts Observed\* (Observed Counts - Area Background Counts): 0CPM

If yes, Were swipes taken of sample containers < action levels?

If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.

Hazard Class Shipped: UN#:

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                    |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius   |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> |                                     |                                     | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable): <u>130462966</u>                    |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                    |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 14 Carrier and tracking number.                                   |                                     |                                     |                                     | Circle Applicable:<br>FedEx Air <u>    </u> FedEx Ground UPS Field Services Courier Other<br><br><u>8030 3446 6986-19c</u> |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 18-MAR-14  
 Work Order: 343541  
 Page 1 of 2

**GEL Work Order/SDG:** 343541      **1st Quarter GW 2014**  
**Client SDG:** 343541  
**Project Manager:** Heather Shaffer  
**Project Name:** DNMI00100 White Mesa Mill GW  
**Purchase Order:** DW16138  
**Package Level:** LEVEL3  
**EDD Format:** EIM\_DNMI

**Work Order Due Date:** 25-MAR-14  
**Package Due Date:** 22-MAR-14  
**EDD Due Date:** 25-MAR-14  
**Due Date:** 25-MAR-14  
**HXS1**

**Collector:** C  
**Prelogin #:** 20140213639  
**Project Workdef ID:** 1294356  
**SDG Status:** Closed  
**Logged by:**

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 343541001 | MW-19_02182014   |                     | 18-FEB-14 16:00     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541002 | MW-32_02112014   |                     | 11-FEB-14 12:35     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541003 | MW-25_02132014   |                     | 13-FEB-14 14:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541004 | MW-31_02172014   |                     | 17-FEB-14 13:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541005 | MW-35_02112014   |                     | 11-FEB-14 14:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|----------|---------------|
| -001 MW-19_02182014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -002 MW-32_02112014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -003 MW-25_02132014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -004 MW-31_02172014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -005 MW-35_02112014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |

**Product:** GFCTORAL      **Workdef ID:** 1297250      **In Product Group?** No      **Group Name:**      **Group Reference:**  
**Method:** EPA 900.1 Modified      **Path:** Standard  
**Product Description:** GFPC, Total Alpha Radium, Liquid      **Product Reference:** Gross Alpha  
**Samples:** 001, 002, 003, 004, 005      **Moisture Correction:** "As Received"

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

# GEL Laboratories LLC – Login Review Report

Report Date: 18-MAR-14  
Work Order: 343541  
Page 2 of 2

| Action           | Product Name | Description | Samples |
|------------------|--------------|-------------|---------|
| Contingent Tests |              |             |         |

## Login Requirements:

| Requirement | Include? | Comments |
|-------------|----------|----------|
|-------------|----------|----------|

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 343541**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1370170

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 343541001        | MW-19_02182014   |
| 343541002        | MW-32_02112014   |
| 343541003        | MW-25_02132014   |
| 343541004        | MW-31_02172014   |
| 343541005        | MW-35_02112014   |
| 1203044547       | Method Blank (MB)                                      |
| 1203044548       | 343800008(MW-70_02262014) Sample Duplicate (DUP)       |
| 1203044549       | 343800008(MW-70_02262014) Matrix Spike (MS)            |
| 1203044550       | 343800008(MW-70_02262014) Matrix Spike Duplicate (MSD) |
| 1203044551       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:**

**Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 343800008 (MW-70\_02262014).

**QC Information**

All of the QC samples meet the required acceptance limits with the following exceptions: The blank result 1203044547 (MB) is greater than the MDC but less than the required detection limit.

**Technical Information:**

**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

**Recounts**

Samples 1203044549 (MW-70\_02262014) and 1203044551 (LCS) were recounted due to low recovery. The recounts are reported. Samples 1203044547 (MB) and 343541004 (MW-31\_02172014) were recounted to decrease uncertainty. The recounts are reported.

**Miscellaneous Information:**

**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

The matrix spike and matrix spike duplicate, 1203044549 (MW-70\_02262014) and 1203044550 (MW-70\_02262014), aliquots were reduced to conserve sample volume.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 343541 GEL Work Order: 343541

**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

**Signature:**



**Name:** Kate Gellatly

**Date:** 11 MAR 2014

**Title:** Analyst I

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: March 11, 2014

Page 1 of 2

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact: Ms. Kathy Weinel**

**Workorder: 343541**

| Parmname            | NOM         | Sample   | Qual | QC        | Units | RPD%  | REC% | Range      | Anlst | Date     | Time  |
|---------------------|-------------|----------|------|-----------|-------|-------|------|------------|-------|----------|-------|
| <b>Rad Gas Flow</b> |             |          |      |           |       |       |      |            |       |          |       |
| Batch               | 1370170     |          |      |           |       |       |      |            |       |          |       |
| QC1203044548        | 343800008   | DUP      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             | 2.76     |      | 2.75      | pCi/L | 0.181 |      | (0%-20%)   | CXP3  | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-0.188  |       |       |      |            |       |          |       |
| QC1203044551        | LCS         |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 555         |          |      | 431       | pCi/L |       | 77.7 | (75%-125%) |       | 03/10/14 | 16:15 |
|                     | Uncertainty |          |      | +/-4.82   |       |       |      |            |       |          |       |
| QC1203044547        | MB          |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             |          | U    | 0.356     | pCi/L |       |      |            |       | 03/10/14 | 16:16 |
|                     | Uncertainty |          |      | +/-0.0515 |       |       |      |            |       |          |       |
| QC1203044549        | 343800008   | MS       |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 949       | pCi/L |       | 84.9 | (75%-125%) |       | 03/10/14 | 08:15 |
|                     | Uncertainty | +/-0.205 |      | +/-10.3   |       |       |      |            |       |          |       |
| QC1203044550        | 343800008   | MSD      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 860       | pCi/L | 9.92  | 76.9 | (0%-20%)   |       | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-11.9   |       |       |      |            |       |          |       |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 343541

Page 2 of 2

| Parmname | NOM | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|-------------|----|-------|------|------|-------|-------|------|------|
| NJ       |     |             |    |       |      |      |       |       |      |      |
| Q        |     |             |    |       |      |      |       |       |      |      |
| R        |     |             |    |       |      |      |       |       |      |      |
| U        |     |             |    |       |      |      |       |       |      |      |
| UI       |     |             |    |       |      |      |       |       |      |      |
| UJ       |     |             |    |       |      |      |       |       |      |      |
| UL       |     |             |    |       |      |      |       |       |      |      |
| X        |     |             |    |       |      |      |       |       |      |      |
| Y        |     |             |    |       |      |      |       |       |      |      |
| ^        |     |             |    |       |      |      |       |       |      |      |
| h        |     |             |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



March 21, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 343800

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 28, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 343800**

**March 21, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 28, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <b><u>Laboratory ID</u></b> | <b><u>Client ID</u></b> |
|-----------------------------|-------------------------|
| 343800001                   | MW-27_02252014          |
| 343800002                   | MW-11_02242014          |
| 343800003                   | MW-14_02242014          |
| 343800004                   | MW-26_02242014          |
| 343800005                   | MW-30_02252014          |
| 343800006                   | MW-36_02262014          |
| 343800007                   | MW-65_02252014          |
| 343800008                   | MW-70_02262014          |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager





SAMPLE RECEIPT & REVIEW FORM

|  |  |  |
|--|--|--|
| Client: <b>DMMI</b>  |  | SDG/AR/COC/Work Order: <b>39300</b>  |
| Received By: <b>P. Dent</b>  |  | Date Received: <b>022814</b>   |
| <b>Suspected Hazard Information</b>                                      | Yes No   | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |
| COC/Samples marked as radioactive?                                       | <input checked="" type="checkbox"/> <input type="checkbox"/> | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <b>0CPM</b>                                       |
| Classified Radioactive II or III by RSO?                                 | <input checked="" type="checkbox"/> <input type="checkbox"/> | If yes, Were swipes taken of sample containers < action levels?  |
| COC/Samples marked containing PCBs?                                      | <input checked="" type="checkbox"/> <input type="checkbox"/> |  |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? | <input checked="" type="checkbox"/> <input type="checkbox"/> | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |
| Shipped as a DOT Hazardous?  | <input checked="" type="checkbox"/> <input type="checkbox"/> | Hazard Class Shipped: UN#:   |
| Samples identified as Foreign Soil?                                      | <input checked="" type="checkbox"/> <input type="checkbox"/> |  |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)<br><b>ISC</b>                    |
| 2                       | Samples requiring cold preservation within (0 ≤ 6 deg. C)?*    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius |
| 2a                      | Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable): <b>130462966</b>                  |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                  |
| 5                       | Samples requiring chemical preservation at proper pH?          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 7                       | Are Encore containers present?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ID's and tests affected:   |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's affected:  |
| 11                      | Number of containers received match number indicated on COC?   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Sample ID's affected:<br><b>Lab rec'd (1) Container Per ID.</b>  |
| 12                      | Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |
| 13                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |
| 14                      | Carrier and tracking number.                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>FedEx Air FedEx Ground UPS Field Services Courier Other<br><b>1</b><br><b>8030 3446 7136-15c</b>   |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 21-MAR-14  
 Work Order: 343800  
 Page 1 of 2

GEL Work Order/SDG: 343800      1st Quarter GW 2014  
 Client SDG: 343800  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 28-MAR-14  
 Package Due Date: 25-MAR-14  
 EDD Due Date: 28-MAR-14  
 Due Date: 28-MAR-14  
 HXS1

Collector: C  
 Prelogin #: 20140213802  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 343800001 | MW-27_02252014   |                     | 25-FEB-14 11:40     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800002 | MW-11_02242014   |                     | 24-FEB-14 11:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800003 | MW-14_02242014   |                     | 24-FEB-14 09:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800004 | MW-26_02242014   |                     | 24-FEB-14 14:35     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800005 | MW-30_02252014   |                     | 25-FEB-14 10:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800006 | MW-36_02262014   |                     | 26-FEB-14 08:15     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800007 | MW-65_02252014   |                     | 25-FEB-14 10:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800008 | MW-70_02262014   |                     | 26-FEB-14 08:15     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data        | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|-----------------|---------------|
| -001 MW-27_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -002 MW-11_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -003 MW-14_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -004 MW-26_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -005 MW-30_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -006 MW-36_02262014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -007 MW-65_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -008 MW-70_02262014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |

# GEL Laboratories LLC – Login Review Report

Report Date: 21-MAR-14  
 Work Order: 343800  
 Page 2 of 2

|  |                            |                             |                    |   |
|--|----------------------------|-----------------------------|--------------------|---|
| <b>Product:</b> GFCTORAL                                     | <b>Workdef ID:</b> 1297250 | <b>In Product Group?</b> No | <b>Group Name:</b> | <b>Group Reference:</b>                   |
| <b>Method:</b> EPA 900.1 Modified                            |                            |                             |                    | <b>Path:</b> Standard                     |
| <b>Product Description:</b> GFPC, Total Alpha Radium, Liquid |                            |                             |                    | <b>Product Reference:</b> Gross Alpha     |
| <b>Samples:</b> 001, 002, 003, 004, 005, 006, 007, 008       |                            |                             |                    | <b>Moisture Correction:</b> "As Received" |
| <b>Parmname Check:</b> All parmnames scheduled properly      |                            |                             |                    |   |

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

| Action           | Product Name | Description | Samples |
|------------------|--------------|-------------|---------|
| Contingent Tests |              |             |         |

| Requirement | Include? | Comments |
|-------------|----------|----------|
|             |          |          |

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 343800**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1370170

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 343800001        | MW-27_02252014   |
| 343800002        | MW-11_02242014   |
| 343800003        | MW-14_02242014   |
| 343800004        | MW-26_02242014   |
| 343800005        | MW-30_02252014   |
| 343800006        | MW-36_02262014   |
| 343800007        | MW-65_02252014   |
| 343800008        | MW-70_02262014   |
| 1203044547       | Method Blank (MB)                                      |
| 1203044548       | 343800008(MW-70_02262014) Sample Duplicate (DUP)       |
| 1203044549       | 343800008(MW-70_02262014) Matrix Spike (MS)            |
| 1203044550       | 343800008(MW-70_02262014) Matrix Spike Duplicate (MSD) |
| 1203044551       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

### **Quality Control (QC) Information:**

#### **Blank Information**

The blank volume is representative of the sample volume in this batch.

#### **Designated QC**

The following sample was used for QC: 343800008 (MW-70\_02262014).

#### **QC Information**

All of the QC samples meet the required acceptance limits with the following exceptions: The blank result 1203044547 (MB) is greater than the MDC but less than the required detection limit.

### **Technical Information:**

#### **Holding Time**

All sample procedures for this sample set were performed within the required holding time.

#### **Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

#### **Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

#### **Recounts**

Samples 1203044549 (MW-70\_02262014) and 1203044551 (LCS) were recounted due to low recovery. The recounts are reported. Sample 1203044547 (MB) was recounted to decrease uncertainty. The recount is reported.

### **Miscellaneous Information:**

#### **Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

#### **Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

#### **Additional Comments**

The matrix spike and matrix spike duplicate, 1203044549 (MW-70\_02262014) and 1203044550 (MW-70\_02262014), aliquots were reduced to conserve sample volume.

#### **Qualifier Information**

Manual qualifiers were not required.

### **Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 343800 GEL Work Order: 343800

**The Qualifiers in this report are defined as follows:**

\* A quality control analyte recovery is outside of specified acceptance criteria

\*\* Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 11 MAR 2014

Title: Analyst II

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: March 11, 2014

Page 1 of 2

Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado

Contact: Ms. Kathy Weinel

Workorder: 343800

| Parmname            | NOM         | Sample   | Qual | QC        | Units | RPD%  | REC% | Range      | Anlst | Date     | Time  |
|---------------------|-------------|----------|------|-----------|-------|-------|------|------------|-------|----------|-------|
| <b>Rad Gas Flow</b> |             |          |      |           |       |       |      |            |       |          |       |
| Batch               | 1370170     |          |      |           |       |       |      |            |       |          |       |
| QC1203044548        | 343800008   | DUP      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             | 2.76     |      | 2.75      | pCi/L | 0.181 |      | (0%-20%)   | CXP3  | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-0.188  |       |       |      |            |       |          |       |
| QC1203044551        | LCS         |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 555         |          |      | 431       | pCi/L |       | 77.7 | (75%-125%) |       | 03/10/14 | 16:15 |
|                     | Uncertainty |          |      | +/-4.82   |       |       |      |            |       |          |       |
| QC1203044547        | MB          |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             |          | U    | 0.356     | pCi/L |       |      |            |       | 03/10/14 | 16:16 |
|                     | Uncertainty |          |      | +/-0.0515 |       |       |      |            |       |          |       |
| QC1203044549        | 343800008   | MS       |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 949       | pCi/L |       | 84.9 | (75%-125%) |       | 03/10/14 | 08:15 |
|                     | Uncertainty | +/-0.205 |      | +/-10.3   |       |       |      |            |       |          |       |
| QC1203044550        | 343800008   | MSD      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 860       | pCi/L | 9.92  | 76.9 | (0%-20%)   |       | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-11.9   |       |       |      |            |       |          |       |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- NI See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 343800

Page 2 of 2

| Parmname | NOM  | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|--|-------------|----|-------|------|------|-------|-------|------|------|
| NJ       |  |             |    |       |      |      |       |       |      |      |
|          | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |             |    |       |      |      |       |       |      |      |
| Q        |  |             |    |       |      |      |       |       |      |      |
|          | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |             |    |       |      |      |       |       |      |      |
| R        |  |             |    |       |      |      |       |       |      |      |
|          | Sample results are rejected  |             |    |       |      |      |       |       |      |      |
| U        |  |             |    |       |      |      |       |       |      |      |
|          | Analyte was analyzed for, but not detected above the CRDL.   |             |    |       |      |      |       |       |      |      |
| UI       |  |             |    |       |      |      |       |       |      |      |
|          | Gamma Spectroscopy--Uncertain identification   |             |    |       |      |      |       |       |      |      |
| UJ       |  |             |    |       |      |      |       |       |      |      |
|          | Gamma Spectroscopy--Uncertain identification   |             |    |       |      |      |       |       |      |      |
| UL       |  |             |    |       |      |      |       |       |      |      |
|          | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |             |    |       |      |      |       |       |      |      |
| X        |  |             |    |       |      |      |       |       |      |      |
|          | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |             |    |       |      |      |       |       |      |      |
| Y        |  |             |    |       |      |      |       |       |      |      |
|          | QC Samples were not spiked with this compound  |             |    |       |      |      |       |       |      |      |
| ^        |  |             |    |       |      |      |       |       |      |      |
|          | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |             |    |       |      |      |       |       |      |      |
| h        |  |             |    |       |      |      |       |       |      |      |
|          | Preparation or preservation holding time was exceeded  |             |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



April 10, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 344755

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 18, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 344755**

**April 10, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on March 18, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <u>Laboratory ID</u> | <u>Client ID</u> |
|----------------------|------------------|
| 344755001            | MW-11_03112014   |
| 344755002            | MW-14_03112014   |
| 344755003            | MW-25_03102014   |
| 344755004            | MW-26_03122014   |
| 344755005            | MW-30_03112014   |
| 344755006            | MW-31_03102014   |
| 344755007            | MW-35_03112014   |
| 344755008            | MW-75_03112014   |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager

344755



# CHAIN OF CUSTODY

**Samples Shipped to:** Gel Laboratories **Contact:** Garrin Palmer  
2040 Savage Road Ph: 435 678 4115  
Charleston, SC 29407 gpalmer@energyfuels.com

## Chain of Custody/Sampling Analysis Request

| Project             | Samplers Name   |                | Samplers Signature            |
|---------------------|-----------------|----------------|-------------------------------|
| 1st Quarter GW 2014 | Tanner Holliday |                | <i>Tanner Holliday</i>        |
| Sample ID           | Date Collected  | Time Collected | Laboratory Analysis Requested |
| MW-11_03112014      | 3/11/2014       | 1200           | Gross Alpha                   |
| MW-14_03112014      | 3/11/2014       | 1010           | Gross Alpha                   |
| MW-25_03102014      | 3/10/2014       | 1215           | Gross Alpha                   |
| MW-26_03122014      | 3/12/2014       | 1230           | Gross Alpha                   |
| MW-30_03112014      | 3/11/2014       | 1400           | Gross Alpha                   |
| MW-31_03102014      | 3/10/2014       | 1410           | Gross Alpha                   |
| MW-35_03112014      | 3/11/2014       | 1340           | Gross Alpha                   |
| MW-75_03112014      | 3/11/2014       | 1010           | Gross Alpha                   |
| Comments:           |                 |                |                               |

|   |                                |   |                               |
|---|--------------------------------|---|-------------------------------|
| Relinquished By:(Signature)<br><i>Tanner Holliday</i> | Date/Time<br>3/13/2014<br>1000 | Received By:(Signature)<br><i>P. West</i> | Date/Time<br>3/18/14<br>09:35 |
| Relinquished By:(Signature)                           | Date/Time                      | Received By:(Signature)                   | Date/Time                     |

**SAMPLE RECEIPT & REVIEW FORM**

|  |   |  |
|--|---|--|
| Client: <u>D N M I</u>   |   | SDG/AR/COC/Work Order: <u>344-155</u>  |
| Received By: <u>P. Went</u>  |   | Date Received: <u>3/18/14</u>  |
| Suspected Hazard Information   | Yes <input type="checkbox"/> No <input type="checkbox"/>            | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |
| COC/Samples marked as radioactive?                                       | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0 cpm</u>                                      |
| Classified Radioactive II or III by RSO?                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, Were swipes taken of sample containers < action levels?  |
| COC/Samples marked containing PCBs?                                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |
| Shipped as a DOT Hazardous?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Hazard Class Shipped: UN#:   |
| Samples identified as Foreign Soil?                                      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |

| Sample Receipt Criteria   | Yes                                 | NA | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|----|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container <u>15c</u> Other (describe)                         |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     |                                     |    | <input checked="" type="checkbox"/> | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius   |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> |    |                                     | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable): <u>130462966</u>                    |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |    |                                     |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |    |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                    |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> |    |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     |    | <input checked="" type="checkbox"/> | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |                                     |    | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |    |                                     | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |    |                                     | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |    |                                     | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |    |                                     | Sample ID's affected:  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> |    |                                     |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |    |                                     |  |
| 14 Carrier and tracking number.                                   |                                     |    |                                     | Circle Applicable:<br>FedEx Air <u>    </u> FedEx Ground UPS Field Services Courier Other<br><br><u>8032 7121 4711-15c</u> |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 10-APR-14

Work Order: 344755

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GEL Work Order/SDG: 344755      1st Quarter GW 2014  
 Client SDG: 344755  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 15-APR-14  
 Package Due Date: 12-APR-14  
 EDD Due Date: 15-APR-14  
 Due Date: 15-APR-14  
 HXS1

Collector: C  
 Prelogin #: 20140314373  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 344755001 | MW-11_03112014   |                     | 11-MAR-14 12:00     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755002 | MW-14_03112014   |                     | 11-MAR-14 10:10     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755003 | MW-25_03102014   |                     | 10-MAR-14 12:15     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755004 | MW-26_03122014   |                     | 12-MAR-14 12:30     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755005 | MW-30_03112014   |                     | 11-MAR-14 14:00     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755006 | MW-31_03102014   |                     | 10-MAR-14 14:10     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755007 | MW-35_03112014   |                     | 11-MAR-14 13:40     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344755008 | MW-75_03112014   |                     | 11-MAR-14 10:10     | 18-MAR-14 09:35     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data        | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|-----------------|---------------|
| -001 MW-11_03112014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -002 MW-14_03112014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -003 MW-25_03102014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -004 MW-26_03122014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -005 MW-30_03112014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -006 MW-31_03102014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -007 MW-35_03112014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |
| -008 MW-75_03112014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |

# GEL Laboratories LLC – Login Review Report

Report Date: 10-APR-14

Work Order: 344755

Page 2 of 2

**Product:** GFCTORAL    **Workdef ID:** 1297250    **In Product Group?** No    **Group Name:**    **Group Reference:**  
**Method:** EPA 900.1 Modified    **Path:** Standard  
**Product Description:** GFPC, Total Alpha Radium, Liquid    **Product Reference:** Gross Alpha  
**Samples:** 001, 002, 003, 004, 005, 006, 007, 008    **Moisture Correction:** "As Received"  
**Parmname Check:** All parmnames scheduled properly

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

| Action           | Product Name | Description | Samples |
|------------------|--------------|-------------|---------|
| Contingent Tests |              |             |         |

**Login Requirements:**

| Requirement | Include? | Comments |
|-------------|----------|----------|
|             |          |          |

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 344755**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1373541

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 344755001        | MW-11_03112014   |
| 344755002        | MW-14_03112014   |
| 344755003        | MW-25_03102014   |
| 344755004        | MW-26_03122014   |
| 344755005        | MW-30_03112014   |
| 344755006        | MW-31_03102014   |
| 344755007        | MW-35_03112014   |
| 344755008        | MW-75_03112014   |
| 1203052512       | Method Blank (MB)                                      |
| 1203052513       | 344755008(MW-75_03112014) Sample Duplicate (DUP)       |
| 1203052514       | 344755008(MW-75_03112014) Matrix Spike (MS)            |
| 1203052515       | 344755008(MW-75_03112014) Matrix Spike Duplicate (MSD) |
| 1203052516       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

### **Quality Control (QC) Information:**

#### **Blank Information**

The blank volume is representative of the sample volume in this batch.

#### **Designated QC**

The following sample was used for QC: 344755008 (MW-75\_03112014).

#### **QC Information**

All of the QC samples met the required acceptance limits.

### **Technical Information:**

#### **Holding Time**

All sample procedures for this sample set were performed within the required holding time.

#### **Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

#### **Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

#### **Recounts**

Sample 1203052514 (MW-75\_03112014) was recounted due to high recovery. The recount is reported.

### **Miscellaneous Information:**

#### **Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

#### **Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

#### **Additional Comments**

The matrix spike and matrix spike duplicate, 1203052514 (MW-75\_03112014) and 1203052515 (MW-75\_03112014), aliquots were reduced to conserve sample volume.

#### **Qualifier Information**

Manual qualifiers were not required.

### **Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 344755 GEL Work Order: 344755

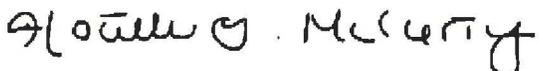
#### The Qualifiers in this report are defined as follows:

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

#### Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 09 APR 2014

Title: Analyst II

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: April 9, 2014

Page 1 of

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact:** Ms. Kathy Weinel

**Workorder:** 344755

| Parmname            | NOM       | Sample      | Qual     | QC | Units    | RPD%  | REC% | Range      | Anlst    | Date | Time          |
|---------------------|-----------|-------------|----------|----|----------|-------|------|------------|----------|------|---------------|
| <b>Rad Gas Flow</b> |           |             |          |    |          |       |      |            |          |      |               |
| Batch               | 1373541   |             |          |    |          |       |      |            |          |      |               |
| QC1203052513        | 344755008 | DUP         |          |    |          |       |      |            |          |      |               |
| Gross Radium Alpha  |           | U           | 0.368    | U  | 0.690    | pCi/L | N/A  |            | N/A      | CXP3 | 03/31/14 15:5 |
|                     |           | Uncertainty | +/-0.217 |    | +/-0.212 |       |      |            |          |      |               |
| QC1203052516        | LCS       |             |          |    |          |       |      |            |          |      |               |
| Gross Radium Alpha  | 555       |             |          |    | 512      | pCi/L | 92.2 | (75%-125%) |          |      | 03/31/14 15:5 |
|                     |           | Uncertainty |          |    | +/-5.09  |       |      |            |          |      |               |
| QC1203052512        | MB        |             |          |    |          |       |      |            |          |      |               |
| Gross Radium Alpha  |           |             |          | U  | 0.250    | pCi/L |      |            |          |      | 03/31/14 15:5 |
|                     |           | Uncertainty |          |    | +/-0.155 |       |      |            |          |      |               |
| QC1203052514        | 344755008 | MS          |          |    |          |       |      |            |          |      |               |
| Gross Radium Alpha  | 1120      | U           | 0.368    |    | 1080     | pCi/L | 96.5 | (75%-125%) |          |      | 03/31/14 17:4 |
|                     |           | Uncertainty | +/-0.217 |    | +/-10.3  |       |      |            |          |      |               |
| QC1203052515        | 344755008 | MSD         |          |    |          |       |      |            |          |      |               |
| Gross Radium Alpha  | 1120      | U           | 0.368    |    | 1010     | pCi/L | 6.41 | 90.5       | (0%-20%) |      | 03/31/14 15:5 |
|                     |           | Uncertainty | +/-0.217 |    | +/-10.0  |       |      |            |          |      |               |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 344755

Page 2 of

| Parmname | NOM | Sample   | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|--|------|----|-------|------|------|-------|-------|------|------|
| NJ       |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Q        |     | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |      |    |       |      |      |       |       |      |      |
| R        |     | Sample results are rejected  |      |    |       |      |      |       |       |      |      |
| U        |     | Analyte was analyzed for, but not detected above the CRDL.   |      |    |       |      |      |       |       |      |      |
| UI       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UJ       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UL       |     | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |      |    |       |      |      |       |       |      |      |
| X        |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Y        |     | QC Samples were not spiked with this compound  |      |    |       |      |      |       |       |      |      |
| ^        |     | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |      |    |       |      |      |       |       |      |      |
| h        |     | Preparation or preservation holding time was exceeded  |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



April 02, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 344274

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 10, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 344274**

**April 02, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on March 10, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <b><u>Laboratory ID</u></b> | <b><u>Client ID</u></b> |
|-----------------------------|-------------------------|
| 344274001                   | MW-36_03052014          |
| 344274002                   | MW-70_03052014          |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



**SAMPLE RECEIPT & REVIEW FORM**

|  |  |  |                                     |
|--|--|--|-------------------------------------|
| Client: <u>DNMI</u>  |  | SDG/AR/COC/Work Order: <u>349274</u>   |                                     |
| Received By: <u>H. Taylor</u>  |  | Date Received: <u>03/04</u>  |                                     |
| <b>Suspected Hazard Information</b>                                      |  | Yes  | No                                  |
| COC/Samples marked as radioactive?                                       |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
| Classified Radioactive II or III by RSO?                                 |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
| COC/Samples marked containing PCBs?                                      |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
| Shipped as a DOT Hazardous?  |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
| Samples identified as Foreign Soil?                                      |  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |
|  |  | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |                                     |
|  |  | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>                                       |                                     |
|  |  | If yes, Were swipes taken of sample containers < action levels?  |                                     |
|  |  | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |                                     |
|  |  | Hazard Class Shipped: _____ UN#: _____   |                                     |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                       | Comments/Qualifiers (Required for Non-Conforming Items)  |
|-------------------------|--|-------------------------------------|-------------------------------------|--------------------------|--|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken    Damaged container    Leaking container    Other (describe)   |
| 2                       | Samples requiring cold preservation within (0 ≤ 6 deg. C)?*    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preservation Method: Ice bags    Blue ice    Dry ice <u>(None)</u> Other (describe)<br>*all temperatures are recorded in Celsius <u>14</u> |
| 2a                      | Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Temperature Device Serial #: <u>13016296</u><br>Secondary Temperature Device Serial # (If Applicable):                                     |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken    Damaged container    Leaking container    Other (describe)   |
| 5                       | Samples requiring chemical preservation at proper pH?          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:   |
| 7                       | Are Encore containers present?                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | ID's and tests affected:   |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:   |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:  |
| 11                      | Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:  |
| 12                      | Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 13                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 14                      | Carrier and tracking number.                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>FedEx Air    FedEx Ground    UPS    Field Services    Courier    Other<br><br><u>8032 7121 4744</u>                  |

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 02-APR-14  
 Work Order: 344274  
 Page 1 of 2

GEL Work Order/SDG: 344274      1st Quarter GW 2014  
 Client SDG: 344274  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 07-APR-14  
 Package Due Date: 04-APR-14  
 EDD Due Date: 07-APR-14  
 Due Date: 07-APR-14  
 HXS1

Collector: C  
 Prelogin #: 20140314099  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 344274001 | MW-36_03052014   |                     | 05-MAR-14 09:30     | 10-MAR-14 10:05     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 344274002 | MW-70_03052014   |                     | 05-MAR-14 09:30     | 10-MAR-14 10:05     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data                                   | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|--|---------------|
| -001 MW-36_03052014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Cooler Seal Undisturbed<br>Temperature (C) | y<br>14       |
| -002 MW-70_03052014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Cooler Seal Undisturbed<br>Temperature (C) | y<br>14       |

Product: GFCTORAL      Workdef ID: 1297250      In Product Group? No      Group Name:      Group Reference:

Method: EPA 900.1 Modified      Path: Standard

Product Description: GFPC, Total Alpha Radium, Liquid      Product Reference: Gross Alpha

Samples: 001, 002      Moisture Correction: "As Received"

Parmname Check: All parmnames scheduled properly

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

| Action | Product Name | Description | Samples |
|--------|--------------|-------------|---------|
|--------|--------------|-------------|---------|

Contingent Tests

# GEL Laboratories LLC – Login Review Report

Report Date: 02-APR-14  
Work Order: 344274  
Page 2 of 2

**Login Requirements:**

| Requirement | Include? Comments |
|-------------|-------------------|
|-------------|-------------------|

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 344274**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid

Analytical Method: EPA 900.1 Modified

Analytical Batch Number: 1373541

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 344274001        | MW-36_03052014   |
| 344274002        | MW-70_03052014   |
| 1203052512       | Method Blank (MB)                                      |
| 1203052513       | 344755008(MW-75_03112014) Sample Duplicate (DUP)       |
| 1203052514       | 344755008(MW-75_03112014) Matrix Spike (MS)            |
| 1203052515       | 344755008(MW-75_03112014) Matrix Spike Duplicate (MSD) |
| 1203052516       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:**

**Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 344755008 (MW-75\_03112014).

**QC Information**

All of the QC samples met the required acceptance limits.

**Technical Information:**

**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

**Recounts**

Sample 1203052514 (MW-75\_03112014) was recounted due to high recovery. The recount is reported.

**Miscellaneous Information:**

**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

The matrix spike and matrix spike duplicate, 1203052514 (MW-75\_03112014) and 1203052515 (MW-75\_03112014), aliquots were reduced to conserve sample volume.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 344274 GEL Work Order: 344274

**The Qualifiers in this report are defined as follows:**

\* A quality control analyte recovery is outside of specified acceptance criteria

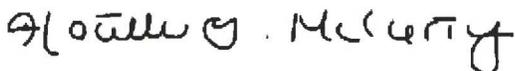
\*\* Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 01 APR 2014

Title: Analyst II

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: April 1, 2014

Page 1 of 2

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact:** Ms. Kathy Weinel

**Workorder:** 344274

| Parmname            | NOM           | Sample   | Qual     | QC       | Units | RPD% | REC% | Range      | Anlst | Date | Time           |
|---------------------|---------------|----------|----------|----------|-------|------|------|------------|-------|------|----------------|
| <b>Rad Gas Flow</b> |               |          |          |          |       |      |      |            |       |      |                |
| Batch               | 1373541       |          |          |          |       |      |      |            |       |      |                |
| QC1203052513        | 344755008 DUP |          |          |          |       |      |      |            |       |      |                |
| Gross Radium Alpha  | U             | 0.368    | U        | 0.690    | pCi/L | N/A  |      |            | N/A   | CXP3 | 03/31/14 15:56 |
|                     | Uncertainty   | +/-0.217 |          | +/-0.212 |       |      |      |            |       |      |                |
| QC1203052516        | LCS           |          |          |          |       |      |      |            |       |      |                |
| Gross Radium Alpha  | 555           |          |          | 512      | pCi/L |      | 92.2 | (75%-125%) |       |      | 03/31/14 15:56 |
|                     | Uncertainty   |          |          | +/-5.09  |       |      |      |            |       |      |                |
| QC1203052512        | MB            |          |          |          |       |      |      |            |       |      |                |
| Gross Radium Alpha  |               |          | U        | 0.250    | pCi/L |      |      |            |       |      | 03/31/14 15:56 |
|                     | Uncertainty   |          |          | +/-0.155 |       |      |      |            |       |      |                |
| QC1203052514        | 344755008 MS  |          |          |          |       |      |      |            |       |      |                |
| Gross Radium Alpha  | 1120          | U        | 0.368    | 1080     | pCi/L |      | 96.5 | (75%-125%) |       |      | 03/31/14 17:40 |
|                     | Uncertainty   |          | +/-0.217 | +/-10.3  |       |      |      |            |       |      |                |
| QC1203052515        | 344755008 MSD |          |          |          |       |      |      |            |       |      |                |
| Gross Radium Alpha  | 1120          | U        | 0.368    | 1010     | pCi/L | 6.41 | 90.5 | (0%-20%)   |       |      | 03/31/14 15:56 |
|                     | Uncertainty   |          | +/-0.217 | +/-10.0  |       |      |      |            |       |      |                |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 344274

Page 2 of 2

| Parmname | NOM | Sample   | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|--|------|----|-------|------|------|-------|-------|------|------|
| NJ       |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Q        |     | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |      |    |       |      |      |       |       |      |      |
| R        |     | Sample results are rejected  |      |    |       |      |      |       |       |      |      |
| U        |     | Analyte was analyzed for, but not detected above the CRDL.   |      |    |       |      |      |       |       |      |      |
| UI       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UJ       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UL       |     | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |      |    |       |      |      |       |       |      |      |
| X        |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Y        |     | QC Samples were not spiked with this compound  |      |    |       |      |      |       |       |      |      |
| ^        |     | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |      |    |       |      |      |       |       |      |      |
| h        |     | Preparation or preservation holding time was exceeded  |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



April 18, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 345273

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 26, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 345273**

**April 18, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The sample arrived at GEL Laboratories LLC, Charleston, South Carolina on March 26, 2014 for analysis. Chain of Custody form was not received with shipment. Client was notified. A scanned copy was e-mailed. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following sample:

| <u>Laboratory ID</u> | <u>Client ID</u> |
|----------------------|------------------|
| 345273001            | MW-37_03202014   |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



**SAMPLE RECEIPT & REVIEW FORM**

|  |   |  |
|--|---|--|
| Client: <u>DUMI</u>  |   | SDG/AR/COC/Work Order: <u>345273</u>   |
| Received By: <u>JP</u>   |   | Date Received: <u>3-26-14</u>  |
| Suspected Hazard Information   | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |
| COC/Samples marked as radioactive?                                       | <input type="checkbox"/>  | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>                                       |
| Classified Radioactive II or III by RSO?                                 | <input type="checkbox"/>  | If yes, Were swipes taken of sample containers < action levels?  |
| COC/Samples marked containing PCBs?                                      | <input type="checkbox"/>  |  |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? | <input type="checkbox"/>  | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |
| Shipped as a DOT Hazardous?  | <input type="checkbox"/>  | Hazard Class Shipped: UN#:   |
| Samples identified as Foreign Soil?                                      | <input type="checkbox"/>  |  |

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                       | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|--------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                  |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Temperature Device Serial #: <u>130462961</u><br>Secondary Temperature Device Serial # (If Applicable):                  |
| 3 Chain of custody documents included with shipment?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>no coc received, emailed to PM</u>  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                  |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:<br><u>mw -37-03202014</u>   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:<br><u>3-20-14 0800</u>   |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:<br><u>one container</u>  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 14 Carrier and tracking number.                                   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>FedEx Air FedEx Ground <u>UPS</u> Field Services Courier Other<br><br><u>12 187444019181 6367</u>  |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 18-APR-14  
 Work Order: 345273  
 Page 1 of 2

GEL Work Order/SDG: 345273      1st Quarter GW 2014  
 Client SDG: 345273  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 23-APR-14  
 Package Due Date: 20-APR-14  
 EDD Due Date: 23-APR-14  
 Due Date: 23-APR-14  
 HXS1

Collector: C  
 Prelogin #: 20140314633  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 345273001 | MW-37_03202014   |                     | 20-MAR-14 08:00     | 26-MAR-14 09:30     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data        | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|-----------------|---------------|
| -001 MW-37_03202014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) | 15            |

Product: GFCTORAL      Workdef ID: 1297250      In Product Group? No      Group Name:      Group Reference:

Method: EPA 900.1 Modified      Path: Standard

Product Description: GFPC, Total Alpha Radium, Liquid      Product Reference: Gross Alpha

Samples: 001      Moisture Correction: "As Received"

Parmname Check: All parmnames scheduled properly

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

| Action | Product Name | Description | Samples |
|--------|--------------|-------------|---------|
|--------|--------------|-------------|---------|

Contingent Tests

**Login Requirements:**

| Requirement | Include? | Comments |
|-------------|----------|----------|
|-------------|----------|----------|

# GEL Laboratories LLC – Login Review Report

Report Date: 18-APR-14

Work Order: 345273

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Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 345273**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid

Analytical Method: EPA 900.1 Modified

Analytical Batch Number: 1379797

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 345273001        | MW-37_03202014   |
| 1203067468       | Method Blank (MB)                                      |
| 1203067469       | 345273001(MW-37_03202014) Sample Duplicate (DUP)       |
| 1203067470       | 345273001(MW-37_03202014) Matrix Spike (MS)            |
| 1203067471       | 345273001(MW-37_03202014) Matrix Spike Duplicate (MSD) |
| 1203067472       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:**

**Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 345273001 (MW-37\_03202014).

**QC Information**

All of the QC samples met the required acceptance limits.

**Technical Information:**

**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

**Recounts**

Sample 1203067472 (LCS) was recounted due to high recovery. The recount is reported.

**Miscellaneous Information:**

**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

The matrix spike and matrix spike duplicate, 1203067470 (MW-37\_03202014) and 1203067471 (MW-37\_03202014), aliquots were reduced to conserve sample volume.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 345273 GEL Work Order: 345273

**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 18 APR 2014

Title: Analyst II

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## QC Summary

Report Date: April 18, 2014

Page 1 of 2

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact: Ms. Kathy Weinel**

**Workorder: 345273**

| Parname             | NOM         | Sample | Qual     | QC       | Units    | RPD%  | REC% | Range      | Anlst    | Date | Time           |
|---------------------|-------------|--------|----------|----------|----------|-------|------|------------|----------|------|----------------|
| <b>Rad Gas Flow</b> |             |        |          |          |          |       |      |            |          |      |                |
| Batch               | 1379797     |        |          |          |          |       |      |            |          |      |                |
| QC1203067469        | 345273001   | DUP    |          |          |          |       |      |            |          |      |                |
| Gross Radium Alpha  |             | U      | 0.487    | U        | 0.751    | pCi/L | N/A  |            | N/A      | CXP3 | 04/17/14 13:15 |
|                     | Uncertainty |        | +/-0.219 |          | +/-0.253 |       |      |            |          |      |                |
| QC1203067472        | LCS         |        |          |          |          |       |      |            |          |      |                |
| Gross Radium Alpha  | 555         |        |          |          | 471      | pCi/L | 84.9 | (75%-125%) |          |      | 04/17/14 14:53 |
|                     | Uncertainty |        |          |          | +/-5.39  |       |      |            |          |      |                |
| QC1203067468        | MB          |        |          |          |          |       |      |            |          |      |                |
| Gross Radium Alpha  |             |        | U        | 0.262    | pCi/L    |       |      |            |          |      | 04/17/14 13:15 |
|                     | Uncertainty |        |          | +/-0.178 |          |       |      |            |          |      |                |
| QC1203067470        | 345273001   | MS     |          |          |          |       |      |            |          |      |                |
| Gross Radium Alpha  | 2250        | U      | 0.487    |          | 1710     | pCi/L | 76.1 | (75%-125%) |          |      | 04/17/14 13:15 |
|                     | Uncertainty |        | +/-0.219 |          | +/-21.0  |       |      |            |          |      |                |
| QC1203067471        | 345273001   | MSD    |          |          |          |       |      |            |          |      |                |
| Gross Radium Alpha  | 2250        | U      | 0.487    |          | 1910     | pCi/L | 10.9 | 84.8       | (0%-20%) |      | 04/17/14 13:15 |
|                     | Uncertainty |        | +/-0.219 |          | +/-21.9  |       |      |            |          |      |                |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

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## QC Summary

Workorder: 345273

Page 2 of 2

| Parmname | NOM | Sample   | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|--|------|----|-------|------|------|-------|-------|------|------|
| NJ       |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Q        |     | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |      |    |       |      |      |       |       |      |      |
| R        |     | Sample results are rejected  |      |    |       |      |      |       |       |      |      |
| U        |     | Analyte was analyzed for, but not detected above the CRDL.   |      |    |       |      |      |       |       |      |      |
| UI       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UJ       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UL       |     | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |      |    |       |      |      |       |       |      |      |
| X        |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Y        |     | QC Samples were not spiked with this compound  |      |    |       |      |      |       |       |      |      |
| ^        |     | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |      |    |       |      |      |       |       |      |      |
| h        |     | Preparation or preservation holding time was exceeded  |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

January 2014



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-001  
**Client Sample ID:** MW-11\_01082014  
**Collection Date:** 1/8/2014 1210h  
**Received Date:** 1/10/2014 950h

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 1/13/2014 934h | 1/14/2014 1806h | E200.8      | 0.0100          | <b>0.141</b>      |      |

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
 web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-002  
**Client Sample ID:** MW-14\_01082014  
**Collection Date:** 1/8/2014 1455h  
**Received Date:** 1/10/2014 950h

## Analytical Results

## DISSOLVED METALS

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 1/13/2014 934h | 1/15/2014 1644h | E200.8      | 0.00500         | <b>2.04</b>       |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-003  
**Client Sample ID:** MW-25\_01072014  
**Collection Date:** 1/7/2014 1300h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

| Compound | Units | Date      |          | Date      |          | Method | Reporting | Analytical     | Qual |
|----------|-------|-----------|----------|-----------|----------|--------|-----------|----------------|------|
|          |       | Prepared  | Analyzed | Prepared  | Analyzed | Used   | Limit     | Result         |      |
| Cadmium  | mg/L  | 1/13/2014 | 934h     | 1/14/2014 | 1854h    | E200.8 | 0.000500  | <b>0.00139</b> |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-003  
**Client Sample ID:** MW-25\_01072014  
**Collection Date:** 1/7/2014 1300h  
**Received Date:** 1/10/2014 950h

## Analytical Results

463 West 3600 South  
Salt Lake City, UT 84115

| <b>Compound</b> | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|-----------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride        | mg/L         |                      | 1/15/2014 1500h      | E300.0             | 5.00                   | 31.0                     |             |
| Fluoride        | mg/L         |                      | 1/18/2014 407h       | E300.0             | 0.100                  | 0.297                    | 1           |

*1 - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-004  
**Client Sample ID:** MW-26\_01082014  
**Collection Date:** 1/8/2014 1430h  
**Received Date:** 1/10/2014 950h

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

| Compound | Units | Date Prepared  | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|----------------|----------------|-------------|-----------------|-------------------|------|
| Uranium  | mg/L  | 1/13/2014 934h | 1/21/2014 812h | E200.8      | 0.000300        | <b>0.0817</b>     |      |

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com  
 web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-004  
**Client Sample ID:** MW-26\_01082014  
**Collection Date:** 1/8/2014 1430h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

### Analytical Results

463 West 3600 South  
Salt Lake City, UT 84115

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|-------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 1/13/2014 1832h | E300.0      | 10.0            | 69.7              |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 1/13/2014 1748h | E353.2      | 1.00            | 2.42              | 1    |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-004D  
**Client Sample ID:** MW-26\_01082014  
**Collection Date:** 1/8/2014 1430h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

Test Code: 8260-W

## Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 1/10/2014 1345h

**Units:** µg/L

**Dilution Factor:** 20

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound   | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|------|
| Chloroform | 67-66-3    | 20.0            | 1,580             | ~    |

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 Fax: (801) 263-8687  
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| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,120  | 1,000         | 112   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 1,030  | 1,000         | 103   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 1,050  | 1,000         | 105   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 1,060  | 1,000         | 106   | 77-129 |      |

~ - The reporting limits were raised due to high analyte concentrations.

web: www.awal-labs.com

**Analyzed:** 1/10/2014 1128h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

Kyle F. Gross  
Laboratory Director

| Compound           | CAS Number | Reporting Limit | Analytical Result | Qual |
|--------------------|------------|-----------------|-------------------|------|
| Methylene chloride | 75-09-2    | 1.00            | 6.52              |      |

Jose Rocha  
QA Officer

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 53.7   | 50.00         | 107   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.8   | 50.00         | 104   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 52.5   | 50.00         | 105   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 53.4   | 50.00         | 107   | 77-129 |      |



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-005  
**Client Sample ID:** MW-30\_01082014  
**Collection Date:** 1/8/2014 1345h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

463 West 3600 South  
Salt Lake City, UT 84115

| Compound | Units | Date Prepared |      | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|---------------|------|---------------|-------|-------------|-----------------|-------------------|------|
| Selenium | mg/L  | 1/13/2014     | 934h | 1/15/2014     | 1649h | E200.8      | 0.00500         | <b>0.0356</b>     |      |

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-005  
**Client Sample ID:** MW-30\_01082014  
**Collection Date:** 1/8/2014 1345h  
**Received Date:** 1/10/2014 950h

### **Analytical Results**

463 West 3600 South  
Salt Lake City, UT 84115

| <b>Compound</b>        | <b>Units</b> | <b>Date Prepared</b> | <b>Date Analyzed</b> | <b>Method Used</b> | <b>Reporting Limit</b> | <b>Analytical Result</b> | <b>Qual</b> |
|------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Chloride               | mg/L         |                      | 1/22/2014 245h       | E300.0             | 50.0                   | <b>131</b>               |             |
| Nitrate/Nitrite (as N) | mg/L         |                      | 1/13/2014 1803h      | E353.2             | 2.00                   | <b>20.3</b>              |             |

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# INORGANIC ANALYTICAL REPORT



**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-006  
**Client Sample ID:** MW-31\_01072014  
**Collection Date:** 1/7/2014 1500h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

| Compound | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Selenium | mg/L  | 1/13/2014 934h | 1/15/2014 1655h | E200.8      | 0.00500         | <b>0.0744</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)

web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-006  
**Client Sample ID:** MW-31\_01072014  
**Collection Date:** 1/7/2014 1500h  
**Received Date:** 1/10/2014 950h

## Analytical Results

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|-------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 1/13/2014 1616h | E300.0      | 50.0            | <b>194</b>        | '    |
| Nitrate/Nitrite (as N) | mg/L  |               | 1/13/2014 1751h | E353.2      | 2.00            | <b>24.0</b>       |      |
| Sulfate                | mg/L  |               | 1/22/2014 331h  | E300.0      | 100             | <b>558</b>        |      |
| Total Dissolved Solids | mg/L  |               | 1/13/2014 950h  | SM2540C     | 20.0            | <b>1,510</b>      | @    |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-007  
**Client Sample ID:** MW-35\_01082014  
**Collection Date:** 1/8/2014 1000h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

## Analytical Results

## DISSOLVED METALS

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 1/13/2014 934h | 1/14/2014 1909h | E200.8      | 0.0100          | <b>0.252</b>      |      |
| Selenium  | mg/L  | 1/13/2014 934h | 1/15/2014 1700h | E200.8      | 0.00500         | <b>0.00895</b>    |      |
| Thallium  | mg/L  | 1/13/2014 934h | 1/14/2014 1840h | E200.8      | 0.000500        | <b>0.000535</b>   |      |
| Uranium   | mg/L  | 1/13/2014 934h | 1/21/2014 817h  | E200.8      | 0.000300        | <b>0.0208</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: January 30, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

---

|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | MW-35_01082014  | Project:   | DNMI00100 |
| Sample ID:        | 341206001       | Client ID: | DNMI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 08-JAN-14 10:00 |            |           |
| Receive Date:     | 13-JAN-14       |            |           |
| Collector:        | Client          |            |           |

---

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 4.12   | +/-0.553    | 0.912 | 1.00 | pCi/L |    | KDF1    | 01/25/14 | 1404 | 1361399 | I      |

The following Analytical Methods were performed:

---

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

---

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 87.2      | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-008  
**Client Sample ID:** MW-65\_01082014  
**Collection Date:** 1/8/2014 1000h  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Manganese | mg/L  | 1/13/2014 934h | 1/14/2014 1915h | E200.8      | 0.0100          | <b>0.253</b>      |      |
| Selenium  | mg/L  | 1/13/2014 934h | 1/15/2014 1705h | E200.8      | 0.00500         | <b>0.00846</b>    |      |
| Thallium  | mg/L  | 1/13/2014 934h | 1/14/2014 1850h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 1/13/2014 934h | 1/21/2014 823h  | E200.8      | 0.000300        | <b>0.0214</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: January 30, 2014

Company : Energy Fuels Resources (USA), Inc.  
Address : 225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228  
Contact: Ms. Kathy Weinel  
Project: White Mesa Mill GW

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|                   |                 |            |           |
|-------------------|-----------------|------------|-----------|
| Client Sample ID: | MW-65_01082014  | Project:   | DNMI00100 |
| Sample ID:        | 341206002       | Client ID: | DNMI001   |
| Matrix:           | Ground Water    |            |           |
| Collect Date:     | 08-JAN-14 10:00 |            |           |
| Receive Date:     | 13-JAN-14       |            |           |
| Collector:        | Client          |            |           |

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| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 5.45   | +/-0.677    | 0.954 | 1.00 | pCi/L |    | KDF1    | 01/25/14 | 1404 | 1361399 | 1      |

The following Analytical Methods were performed:

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| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
|        | EPA 900.1 Modified |                  |

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| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 86.9      | (25%-125%)        |

### Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Sample ID:** 1401142-009A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 1/8/2014  
**Received Date:** 1/10/2014 950h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 1/10/2014 1147h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

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Salt Lake City, UT 84115

| Compound           | CAS Number | Reporting Limit | Analytical Result | Qual |
|--------------------|------------|-----------------|-------------------|------|
| Chloroform         | 67-66-3    | 1.00            | < 1.00            |      |
| Methylene chloride | 75-09-2    | 1.00            | < 1.00            |      |

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 54.3   | 50.00         | 109   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 49.8   | 50.00         | 99.5  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.6   | 50.00         | 101   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 52.2   | 50.00         | 104   | 77-129 |      |

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: January Monthly Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1401142

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 9 sample(s) on 1/10/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

**Jose G.  
Rocha**  
Digitally signed by Jose G. Rocha  
DN: cn=Jose G. Rocha,  
o=American West Analytical  
Laboratories, ou=Quality  
Assurance Officer,  
email=jose@awal-labs.com,  
c=US  
Date: 2014.01.24 14:17:40  
-07'00'

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc.  
**Project:** January Monthly Ground Water 2014  
**Lab Set ID:** 1401142  
**Date Received:** 1/10/2014 950h

**Contact:** Garrin Palmer

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix  | Analysis                           |
|---------------|------------------|----------------|---------|------------------------------------|
| 1401142-001A  | MW-11_01082014   | 1/8/2014 1210h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-002A  | MW-14_01082014   | 1/8/2014 1455h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-003A  | MW-25_01072014   | 1/7/2014 1300h | Aqueous | Anions, E300.0                     |
| 1401142-003B  | MW-25_01072014   | 1/7/2014 1300h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-004A  | MW-26_01082014   | 1/8/2014 1430h | Aqueous | Nitrite/Nitrate (as N), E353.2     |
| 1401142-004B  | MW-26_01082014   | 1/8/2014 1430h | Aqueous | Anions, E300.0                     |
| 1401142-004C  | MW-26_01082014   | 1/8/2014 1430h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-004D  | MW-26_01082014   | 1/8/2014 1430h | Aqueous | VOA by GC/MS Method<br>8260C/5030C |
| 1401142-005A  | MW-30_01082014   | 1/8/2014 1345h | Aqueous | Nitrite/Nitrate (as N), E353.2     |
| 1401142-005B  | MW-30_01082014   | 1/8/2014 1345h | Aqueous | Anions, E300.0                     |
| 1401142-005C  | MW-30_01082014   | 1/8/2014 1345h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-006A  | MW-31_01072014   | 1/7/2014 1500h | Aqueous | Nitrite/Nitrate (as N), E353.2     |
| 1401142-006B  | MW-31_01072014   | 1/7/2014 1500h | Aqueous | Anions, E300.0                     |
| 1401142-006C  | MW-31_01072014   | 1/7/2014 1500h | Aqueous | Total Dissolved Solids, A2540C     |
| 1401142-006D  | MW-31_01072014   | 1/7/2014 1500h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-007A  | MW-35_01082014   | 1/8/2014 1000h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-008A  | MW-65_01082014   | 1/8/2014 1000h | Aqueous | ICPMS Metals, Dissolved            |
| 1401142-009A  | Trip Blank       | 1/8/2014       | Aqueous | VOA by GC/MS Method<br>8260C/5030C |



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Set ID:** 1401142

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### Sample Receipt Information:

**Date of Receipt:** 1/10/2014  
**Date(s) of Collection:** 1/7 & 1/8/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

| Sample ID    | Analyte                | QC     | Explanation                |
|--------------|------------------------|--------|----------------------------|
| 1401142-003A | Fluoride               | MS/MSD | Sample matrix interference |
| 1401142-004A | Nitrate-Nitrite (as N) | MS/MSD | Sample matrix interference |
| 1401142-006B | Chloride               | MS     | Sample matrix interference |
| 1401320-002A | Sulfate                | MS     | Sample matrix interference |

**Duplicates (DUP):** The RPD was outside of its control limit for Total Dissolved Solids on sample 1401142-006C due to suspected non-homogeneity or matrix interference.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** January Monthly Ground Water 2014  
**Lab Set ID:** 1401142

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463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686

Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)

web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 1/10/2014  
**Date of Collection:** 1/7 & 1/8/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None  
**Method:** SW-846 8260C/5030C  
**Analysis:** Volatile Organic Compounds

**General Set Comments:** Both target analytes were observed above reporting limits on sample MW-26\_01082014 (AWAL 1401142-004D).

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units          | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|----------------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-29904</b> |        | Date Analyzed: | 01/14/2014 1802h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: | 01/13/2014 934h  |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.186  | mg/L           | E200.8           | 0.000222  | 0.00200         | 0.2000        | 0                 | 93.1 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-29904</b> |        | Date Analyzed: | 01/14/2014 1801h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: | 01/13/2014 934h  |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.198  | mg/L           | E200.8           | 0.0000726 | 0.000500        | 0.2000        | 0                 | 99.2 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.205  | mg/L           | E200.8           | 0.00166   | 0.0100          | 0.2000        | 0                 | 103  | 85 - 115 |              |       |           |      |
| Uranium                         | 0.182  | mg/L           | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0                 | 91.1 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-29904</b> |        | Date Analyzed: | 01/15/2014 1623h |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 200.8-DIS</b>     |        | Date Prepared: | 01/13/2014 934h  |           |                 |               |                   |      |          |              |       |           |      |
| Selenium                        | 0.199  | mg/L           | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0                 | 99.4 | 85 - 115 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-29904 | Date Analyzed: | 01/14/2014 | 1752h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 01/13/2014 | 934h   |            |                 |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L       | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-29904 | Date Analyzed: | 01/14/2014 | 1755h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 01/13/2014 | 934h   |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L       | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L       | E200.8 | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-29904 | Date Analyzed: | 01/15/2014 | 1617h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 01/13/2014 | 934h   |            |                 |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L       | E200.8 | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-29904 | Date Analyzed: | 01/21/2014 | 807h   |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 01/13/2014 | 934h   |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L       | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result         | Units      | Method | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|----------------|------------|--------|----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1401142-001AMS | Date Analyzed: | 01/14/2014 | 1821h  |          |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          | Date Prepared: | 01/13/2014 | 934h   |          |                 |               |                   |      |          |              |       |           |      |
| Thallium                             | 0.175          | mg/L       | E200.8 | 0.000555 | 0.00500         | 0.2000        | 0                 | 87.5 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID:</b> 1401142-001AMS | Date Analyzed: | 01/14/2014 | 1822h  |          |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          | Date Prepared: | 01/13/2014 | 934h   |          |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.193          | mg/L       | E200.8 | 0.000182 | 0.00125         | 0.2000        | 0                 | 96.3 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.337          | mg/L       | E200.8 | 0.00416  | 0.00500         | 0.2000        | 0.141             | 98.0 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.178          | mg/L       | E200.8 | 0.000150 | 0.00500         | 0.2000        | 0.000634          | 88.5 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID:</b> 1401142-001AMS | Date Analyzed: | 01/15/2014 | 1633h  |          |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          | Date Prepared: | 01/13/2014 | 934h   |          |                 |               |                   |      |          |              |       |           |      |
| Selenium                             | 0.182          | mg/L       | E200.8 | 0.00172  | 0.00500         | 0.2000        | 0                 | 91.2 | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units            | Method | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|--------|------------------|--------|----------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID: 1401142-001AMSD</b> |        |                  |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 01/14/2014 1831h |        |          |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 01/13/2014 934h  |        |          |                 |               |                   |      |          |              |        |           |      |
| Thallium                              | 0.173  | mg/L             | E200.8 | 0.000555 | 0.00500         | 0.2000        | 0                 | 86.6 | 75 - 125 | 0.175        | 1.04   | 20        |      |
| <b>Lab Sample ID: 1401142-001AMSD</b> |        |                  |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 01/14/2014 1827h |        |          |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 01/13/2014 934h  |        |          |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.228  | mg/L             | E200.8 | 0.000182 | 0.00125         | 0.2000        | 0                 | 114  | 75 - 125 | 0.193        | 16.9   | 20        |      |
| Manganese                             | 0.337  | mg/L             | E200.8 | 0.00416  | 0.00500         | 0.2000        | 0.141             | 98.1 | 75 - 125 | 0.337        | 0.0664 | 20        |      |
| Uranium                               | 0.209  | mg/L             | E200.8 | 0.000150 | 0.00500         | 0.2000        | 0.000634          | 104  | 75 - 125 | 0.178        | 16.3   | 20        |      |
| <b>Lab Sample ID: 1401142-001AMSD</b> |        |                  |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 01/15/2014 1639h |        |          |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |          |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 01/13/2014 934h  |        |          |                 |               |                   |      |          |              |        |           |      |
| Selenium                              | 0.181  | mg/L             | E200.8 | 0.00172  | 0.00500         | 0.2000        | 0                 | 90.6 | 75 - 125 | 0.182        | 0.634  | 20        |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte   | Result | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|---------|-------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1401142-005B DUP</b> Date Analyzed: 01/22/2014 308h |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Chloride  | 127    | mg/L  | E300.0  | 0.570 | 5.00            |               |                   |      |        | 131          | 2.78  | 20        |      |
| <b>Lab Sample ID: 1401142-006B DUP</b> Date Analyzed: 01/22/2014 354h |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | 542    | mg/L  | E300.0  | 17.7  | 75.0            |               |                   |      |        | 558          | 2.99  | 20        |      |
| <b>Lab Sample ID: 1401142-006CDUP</b> Date Analyzed: 01/13/2014 950h  |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |        |       |         |       |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | 1,390  | mg/L  | SM2540C | 8.00  | 20.0            |               |                   |      |        | 1510         | 8.00  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte  | Result | Units | Method  | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|---------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-R63708</b> Date Analyzed: 01/13/2014 1522h |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 4.94   | mg/L  | E300.0  | 0.0114  | 0.100           | 5.000         | 0                 | 98.9 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R63842</b> Date Analyzed: 01/15/2014 1311h |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 4.93   | mg/L  | E300.0  | 0.0114  | 0.100           | 5.000         | 0                 | 98.6 | 90 - 110 |              |       |           |      |
| Sulfate  | 5.29   | mg/L  | E300.0  | 0.177   | 0.750           | 5.000         | 0                 | 106  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R63914</b> Date Analyzed: 01/17/2014 1556h |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 4.61   | mg/L  | E300.0  | 0.0126  | 0.100           | 5.000         | 0                 | 92.3 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R64036</b> Date Analyzed: 01/21/2014 1554h |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 4.98   | mg/L  | E300.0  | 0.0114  | 0.100           | 5.000         | 0                 | 99.6 | 90 - 110 |              |       |           |      |
| Sulfate  | 5.42   | mg/L  | E300.0  | 0.177   | 0.750           | 5.000         | 0                 | 108  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R63690</b> Date Analyzed: 01/13/2014 1744h |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                       |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.05   | mg/L  | E353.2  | 0.00252 | 0.100           | 1.000         | 0                 | 105  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R63709</b> Date Analyzed: 01/13/2014 950h  |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C   |        |       |         |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids   | 198    | mg/L  | SM2540C | 4.00    | 10.0            | 205.0         | 0                 | 96.6 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte                         | Result  | Units | Method  | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|---------|-------|---------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R63708</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/13/2014 1455h |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W              |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 0.100 | mg/L  | E300.0  | 0.0114  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R63842</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/15/2014 1243h |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W              |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 0.100 | mg/L  | E300.0  | 0.0114  | 0.100           |               |                   |      |        |              |       |           |      |
| Sulfate                         | < 0.750 | mg/L  | E300.0  | 0.177   | 0.750           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R63914</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/17/2014 1428h |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W              |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride                        | < 0.100 | mg/L  | E300.0  | 0.0126  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R64036</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/21/2014 1531h |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W              |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Chloride                        | < 0.100 | mg/L  | E300.0  | 0.0114  | 0.100           |               |                   |      |        |              |       |           |      |
| Sulfate                         | < 0.750 | mg/L  | E300.0  | 0.177   | 0.750           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R63690</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/13/2014 1743h |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2      |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)          | < 0.100 | mg/L  | E353.2  | 0.00252 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R63709</b> |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 01/13/2014 950h  |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C          |         |       |         |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids          | < 10.0  | mg/L  | SM2540C | 4.00    | 10.0            |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1401142-006BMS</b> Date Analyzed: 01/13/2014 1643h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 2,440  | mg/L  | E300.0 | 5.70   | 50.0            | 2,500         | 194               | 89.9 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1401142-006BMS</b> Date Analyzed: 01/15/2014 1405h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 5,020  | mg/L  | E300.0 | 11.4   | 100             | 5,000         | 194               | 96.6 | 90 - 110 |              |       |           |      |
| Sulfate  | 5,100  | mg/L  | E300.0 | 177    | 750             | 5,000         | 558               | 90.9 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1401142-003AMS</b> Date Analyzed: 01/18/2014 436h  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 437    | mg/L  | E300.0 | 1.26   | 10.0            | 500.0         | 0.297             | 87.4 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1401320-002AMS</b> Date Analyzed: 01/21/2014 2206h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 4,950  | mg/L  | E300.0 | 11.4   | 100             | 5,000         | 45.9              | 98.0 | 90 - 110 |              |       |           |      |
| Sulfate  | 4,370  | mg/L  | E300.0 | 177    | 750             | 5,000         | 21.1              | 87.1 | 90 - 110 |              |       |           | 1    |
| <b>Lab Sample ID: 1401142-004AMS</b> Date Analyzed: 01/13/2014 1805h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 13.9   | mg/L  | E353.2 | 0.0252 | 1.00            | 10.00         | 2.42              | 115  | 90 - 110 |              |       |           | 1    |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1401142-006BMSD</b> Date Analyzed: 01/13/2014 1711h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 2,610  | mg/L  | E300.0 | 5.70   | 50.0            | 2,500         | 194               | 96.6 | 90 - 110 | 2440         | 6.65  | 20        |      |
| <b>Lab Sample ID: 1401142-006BMSD</b> Date Analyzed: 01/15/2014 1432h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 5,010  | mg/L  | E300.0 | 11.4   | 100             | 5,000         | 194               | 96.2 | 90 - 110 | 5020         | 0.324 | 20        |      |
| Sulfate   | 5,360  | mg/L  | E300.0 | 177    | 750             | 5,000         | 558               | 95.9 | 90 - 110 | 5100         | 4.85  | 20        |      |
| <b>Lab Sample ID: 1401142-003AMSD</b> Date Analyzed: 01/18/2014 506h  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 433    | mg/L  | E300.0 | 1.26   | 10.0            | 500.0         | 0.297             | 86.6 | 90 - 110 | 437          | 0.935 | 20        |      |
| <b>Lab Sample ID: 1401320-002AMSD</b> Date Analyzed: 01/21/2014 2229h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 4,810  | mg/L  | E300.0 | 11.4   | 100             | 5,000         | 45.9              | 95.3 | 90 - 110 | 4950         | 2.74  | 20        |      |
| Sulfate   | 4,520  | mg/L  | E300.0 | 177    | 750             | 5,000         | 21.1              | 90.0 | 90 - 110 | 4370         | 3.26  | 20        |      |
| <b>Lab Sample ID: 1401142-004AMSD</b> Date Analyzed: 01/13/2014 1806h |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |        |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 14.5   | mg/L  | E353.2 | 0.0252 | 1.00            | 10.00         | 2.42              | 121  | 90 - 110 | 13.9         | 4.15  | 10        |      |

<sup>1</sup> - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                               | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC 0111014</b> |        | Date Analyzed: 01/10/2014 706h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                     |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Chloroform                            | 18.9   | µg/L                           | SW8260C | 0.277 | 2.00            | 20.00         | 0                 | 94.7 | 67 - 132 |              |       |           |      |
| Methylene chloride                    | 17.3   | µg/L                           | SW8260C | 0.155 | 2.00            | 20.00         | 0                 | 86.7 | 32 - 185 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4           | 50.7   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 101  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 51.5   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane            | 50.6   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 101  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                      | 54.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 108  | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                              | Result | Units                                 | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC 011014A</b> |        | <b>Date Analyzed: 01/10/2014 744h</b> |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>             |        |                                       |         |       |                 |               |                   |      |          |              |       |           |      |
| Chloroform                           | < 1.00 | µg/L                                  | SW8260C | 0.277 | 1.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride                   | < 1.00 | µg/L                                  | SW8260C | 0.155 | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 53.5   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 107  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 50.9   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 102  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane           | 50.8   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 102  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                     | 54.1   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 108  | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1401142-004DMS</b> |        | Date Analyzed: 01/10/2014 1405h |         |      |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                    |        |                                 |         |      |                 |               |                   |      |          |              |       |           |      |
| Chloroform                           | 1,990  | µg/L                            | SW8260C | 5.54 | 40.0            | 400.0         | 1580              | 103  | 50 - 146 |              |       |           |      |
| Methylene chloride                   | 404    | µg/L                            | SW8260C | 3.10 | 40.0            | 400.0         | 0                 | 101  | 30 - 192 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 1,130  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 113  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 1,000  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 100  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 1,070  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 107  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 1,050  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 105  | 77 - 129 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1401142  
**Project:** January Monthly Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1401142-004DMSD</b> |        | Date Analyzed: 01/10/2014 1424h |         |      |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>              |        |                                 |         |      |                 |               |                   |      |          |              |       |           |      |
| Chloroform                            | 1,920  | µg/L                            | SW8260C | 5.54 | 40.0            | 400.0         | 1580              | 85.7 | 50 - 146 | 1990         | 3.45  | 25        |      |
| Methylene chloride                    | 396    | µg/L                            | SW8260C | 3.10 | 40.0            | 400.0         | 0                 | 99.1 | 30 - 192 | 404          | 1.80  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 1,120  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 112  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 985    | µg/L                            | SW8260C |      |                 | 1,000         |                   | 98.5 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 1,060  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 106  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 1,030  | µg/L                            | SW8260C |      |                 | 1,000         |                   | 103  | 77 - 129 |              |       |           |      |

## WORK ORDER Summary

Work Order: **1401142** Page 1 of 2

**Client:** Energy Fuels Resources, Inc.

Due Date: 1/21/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** January Monthly Ground Water 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered;

DB

| Sample ID    | Client Sample ID | Collected Date | Received Date   | Test Code   | Matrix  | Sel                                 | Storage      |   |
|--------------|------------------|----------------|-----------------|---|---------|-------------------------------------|--------------|---|
| 1401142-001A | MW-11_01082014   | 1/8/2014 1210h | 1/10/2014 0950h | 200.8-DIS<br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df-dis met   | 1 |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-dis met   |   |
| 1401142-002A | MW-14_01082014   | 1/8/2014 1455h | 1/10/2014 0950h | 200.8-DIS<br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df-met       | 1 |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met       |   |
| 1401142-003A | MW-25_01072014   | 1/7/2014 1300h | 1/10/2014 0950h | 300.0-W<br><i>2 SEL Analytes: CL F</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df - wc      | 1 |
| 1401142-003B |                  |                |                 | 200.8-DIS<br><i>1 SEL Analytes: CD</i>                                      |         | <input checked="" type="checkbox"/> | df - dis met |   |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - dis met |   |
| 1401142-004A | MW-26_01082014   | 1/8/2014 1430h | 1/10/2014 0950h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df - no2/no3 | 1 |
| 1401142-004B |                  |                |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df - wc      |   |
| 1401142-004C |                  |                |                 | 200.8-DIS<br><i>1 SEL Analytes: U</i>                                       |         | <input checked="" type="checkbox"/> | df - dis met |   |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - dis met |   |
| 1401142-004D |                  |                |                 | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4</i> |         | <input checked="" type="checkbox"/> | VOCFridge    | 3 |
| 1401142-005A | MW-30_01082014   | 1/8/2014 1345h | 1/10/2014 0950h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df - no2/no3 | 1 |
| 1401142-005B |                  |                |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df - wc      |   |
| 1401142-005C |                  |                |                 | 200.8-DIS<br><i>1 SEL Analytes: SE</i>                                      |         | <input checked="" type="checkbox"/> | df - dis met |   |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - dis met |   |
| 1401142-006A | MW-31_01072014   | 1/7/2014 1500h | 1/10/2014 0950h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df - no2/no3 | 1 |
| 1401142-006B |                  |                |                 | 300.0-W<br><i>2 SEL Analytes: CL SO4</i>                                    |         | <input checked="" type="checkbox"/> | df - wc      |   |

# WORK ORDER Summary

Work Order: **1401142** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 1/21/2014

| Sample ID    | Client Sample ID | Collected Date | Received Date   | Test Code   | Matrix  | Sel                                 | Storage      |   |
|--------------|------------------|----------------|-----------------|---|---------|-------------------------------------|--------------|---|
| 1401142-006C | MW-31_01072014   | 1/7/2014 1500h | 1/10/2014 0950h | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   | Aqueous | <input checked="" type="checkbox"/> | ww - tds     | 1 |
| 1401142-006D |                  |                |                 | 200.8-DIS<br><i>1 SEL Analytes: SE</i>                                      |         | <input checked="" type="checkbox"/> | df - dis met |   |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - dis met |   |
| 1401142-007A | MW-35_01082014   | 1/8/2014 1000h | 1/10/2014 0950h | 200.8-DIS<br><i>4 SEL Analytes: MN SE TL U</i>                              | Aqueous | <input checked="" type="checkbox"/> | df - dis met | 1 |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - dis met |   |
| 1401142-008A | MW-65_01082014   | 1/8/2014 1000h | 1/10/2014 0950h | 200.8-DIS<br><i>4 SEL Analytes: MN SE TL U</i>                              | Aqueous | <input checked="" type="checkbox"/> | df - metals  | 1 |
|              |                  |                |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df - metals  |   |
| 1401142-009A | Trip Blank       | 1/8/2014       | 1/10/2014 0950h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge    | 3 |



# AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

## CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1401142

AWAL LAB SAMPLE SET #  
 PAGE 1 OF 1

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #: \_\_\_\_\_  
 EMAIL: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**  
 PROJECT NAME: **January Monthly Ground Water 2014**  
 PROJECT #: \_\_\_\_\_  
 PO #: \_\_\_\_\_  
 SAMPLER NAME: **Tanner Holliday**

| QC LEVEL:        |              | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 | DUE DATE:                         |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       |   |
|------------------|--------------|-------------------|-----------------|--|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|-------------------------------|---|---------------------------------------|---|--|---------------------------------------|---|
| 3                |              | STANDARD          |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       |   |
| SAMPLE ID        | DATE SAMPLED | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C) | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO <sub>4</sub> (4500 or 300.0) | Fluoride (A4500-F C or 300.0) | VOCs Chloroform and Dichloromethane (8260C) | INCLUDE EDD:<br>LOCUS UPLOAD<br>EXCEL | FIELD FILTERED FOR:<br>Dissolved Metals | FOR COMPLIANCE WITH:<br><input type="checkbox"/> NELAP<br><input type="checkbox"/> RCRA<br><input type="checkbox"/> CWA<br><input type="checkbox"/> SDWA<br><input type="checkbox"/> ELAP / A2LA<br><input type="checkbox"/> NLLAP<br><input type="checkbox"/> NON-COMPLIANCE<br><input type="checkbox"/> OTHER: | KNOWN HAZARDS<br>&<br>SAMPLE COMMENTS | LABORATORY USE ONLY                           |
| 1 MW-11_01082014 | 1/8/2014     | 1210              | 1               | W  |                 | X                                 |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   | X                                     |   |  |                                       | SAMPLES WERE: <b>Fed Ex</b>                   |
| 2 MW-14_01082014 | 1/8/2014     | 1455              | 1               | W  |                 | X                                 |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 1 SHIPPED OR HAND DELIVERED                   |
| 3 MW-25_01072014 | 1/7/2014     | 1300              | 2               | W  |                 |                                   | X                  |             | X                               |                                 |                                  |                                  |                                 | X                             |   |                                       |   |  |                                       | 2 AMBIENT OR CHILLED                          |
| 4 MW-26_01082014 | 1/8/2014     | 1430              | 6               | W  | X               | X                                 |                    | X           |                                 |                                 |                                  |                                  |                                 |                               | X   |                                       |   |  |                                       | 3 TEMPERATURE <b>24</b> °C                    |
| 5 MW-30_01082014 | 1/8/2014     | 1345              | 3               | W  | X               | X                                 |                    |             |                                 | X                               |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) |
| 6 MW-31_01072014 | 1/7/2014     | 1500              | 4               | W  | X               |                                   | X                  | X           |                                 |                                 | X                                |                                  | X                               |                               |   |                                       |   |  |                                       | 5 PROPERLY PRESERVED                          |
| 7 MW-35_01082014 | 1/8/2014     | 1000              | 1               | W  |                 | X                                 |                    |             | X                               | X                               | X                                |                                  |                                 |                               |   |                                       |   |  |                                       | 6 CHECKED AT BENCH                            |
| 8 MW-65_01082014 | 1/8/2014     | 1000              | 1               | W  |                 | X                                 |                    |             | X                               | X                               | X                                |                                  |                                 |                               |   |                                       |   |  |                                       | 7 RECEIVED WITHIN HOLDING TIMES               |
| 9 Trip Blank     | 1/8/2014     |                   | 3               | W  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 8   |
| 10 Temp Blank    | 1/9/2014     |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 9   |
| 11               |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 10  |
| 12               |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                               |   |                                       |   |  |                                       | 11  |

LABORATORY USE ONLY

SAMPLES WERE: **Fed Ex**

1 SHIPPED OR HAND DELIVERED

2 AMBIENT OR CHILLED

3 TEMPERATURE **24** °C

4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED)

5 PROPERLY PRESERVED

6 CHECKED AT BENCH

7 RECEIVED WITHIN HOLDING TIMES

8

9

10

11

12

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC BY CORR?

|   |                   |  |                  |  |
|---|-------------------|--|------------------|--|
| RELINQUISHED BY:<br>SIGNATURE: <i>Tanner Holliday</i> | DATE:<br>1/9/2014 | RECEIVED BY:<br>SIGNATURE: _____               | DATE:<br>_____   | SPECIAL INSTRUCTIONS:<br><br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| PRINT NAME:<br>Tanner Holliday                        | TIME:<br>1000     | PRINT NAME:<br>_____                           | TIME:<br>_____   |  |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE:<br>_____    | RECEIVED BY:<br>SIGNATURE: _____               | DATE:<br>_____   |  |
| PRINT NAME:<br>_____                                  | TIME:<br>_____    | PRINT NAME:<br>_____                           | TIME:<br>_____   |  |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE:<br>_____    | RECEIVED BY:<br>SIGNATURE: _____               | DATE:<br>_____   |  |
| PRINT NAME:<br>_____                                  | TIME:<br>_____    | PRINT NAME:<br>_____                           | TIME:<br>_____   |  |
| RELINQUISHED BY:<br>SIGNATURE: _____                  | DATE:<br>_____    | RECEIVED BY:<br>SIGNATURE: <i>Denise Bruun</i> | DATE:<br>1/10/14 |  |
| PRINT NAME:<br>_____                                  | TIME:<br>_____    | PRINT NAME:<br>Denise Bruun                    | TIME:<br>9:50    |  |

DB 1/10/14





January 27, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 341206

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 13, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 341206**

**January 27, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on January 13, 2014 for analysis.

**Sample Identification:** The laboratory received the following samples:

| <b><u>Laboratory ID</u></b> | <b><u>Client ID</u></b> |
|-----------------------------|-------------------------|
| 341206001                   | MW-35_01082014          |
| 341206002                   | MW-65_01082014          |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



**SAMPLE RECEIPT & REVIEW FORM**

|  |  |  |
|--|--|--|
| Client: <u>DNMI</u>  |  | SDG/AR/COC/Work Order: <u>341206</u>   |
| Received By: <u>H. Taylor</u>  |  | Date Received: <u>011314</u>   |
| Suspected Hazard Information   | Yes <input type="checkbox"/> No <input type="checkbox"/> | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |
| COC/Samples marked as radioactive?                                       | <input checked="" type="checkbox"/>                      | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>                                       |
| Classified Radioactive II or III by RSO?                                 | <input checked="" type="checkbox"/>                      | If yes, Were swipes taken of sample containers < action levels?  |
| COC/Samples marked containing PCBs?                                      | <input checked="" type="checkbox"/>                      |  |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? | <input checked="" type="checkbox"/>                      | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |
| Shipped as a DOT Hazardous?  | <input checked="" type="checkbox"/>                      | Hazard Class Shipped: UN#:   |
| Samples identified as Foreign Soil?                                      | <input checked="" type="checkbox"/>                      |  |

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                       | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|--------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)  |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius <u>19</u> |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable):   |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)  |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Sample ID's affected:  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |  |
| 14 Carrier and tracking number.                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Circle Applicable:<br>FedEx Air FedEx Ground UPS Field Services Courier Other<br><u>8030 3446 7055</u>                             |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 27-JAN-14  
 Work Order: 341206  
 Page 1 of 2

GEL Work Order/SDG: 341206

Work Order Due Date: 10-FEB-14

Collector: C

Client SDG: 341206

Package Due Date: 07-FEB-14

Prelogin #: 20140112240

Project Manager: Heather Shaffer

EDD Due Date: 10-FEB-14

Project Workdef ID: 1294356

Project Name: DNMI00100 White Mesa Mill GW

Due Date: 10-FEB-14

SDG Status: Closed

Purchase Order: DW16138

HXS1

Logged by:

Package Level: LEVEL3

EDD Format: EIM\_DNMI

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 341206001 | MW-35_01082014   |                     | 08-JAN-14 10:00     | 13-JAN-14 09:20     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 341206002 | MW-65_01082014   |                     | 08-JAN-14 10:00     | 13-JAN-14 09:20     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data                                   | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|--|---------------|
| -001 MW-35_01082014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Cooler Seal Undisturbed<br>Temperature (C) | y<br>19       |
| -002 MW-65_01082014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Cooler Seal Undisturbed<br>Temperature (C) | y<br>19       |

|  |                            |                                     |                        |   |                            |                        |                     |
|--|----------------------------|-------------------------------------|------------------------|---|----------------------------|------------------------|---------------------|
| <b>Product:</b> GFCTORAL                                     | <b>Workdef ID:</b> 1297250 | <b>In Product Group?</b> No         | <b>Group Name:</b>     | <b>Group Reference:</b>                   |                            |                        |                     |
| <b>Method:</b> EPA 900.1 Modified                            |                            |                                     |                        | <b>Path:</b> Standard                     |                            |                        |                     |
| <b>Product Description:</b> GFPC, Total Alpha Radium, Liquid |                            |                                     |                        | <b>Product Reference:</b> Gross Alpha     |                            |                        |                     |
| <b>Samples:</b> 001, 002                                     |                            |                                     |                        | <b>Moisture Correction:</b> "As Received" |                            |                        |                     |
| <b>Parmname Check:</b> All parmnames scheduled properly      |                            |                                     |                        |   |                            |                        |                     |
| <b>CAS #</b>   | <b>Parmname</b>            | <b>Client RDL or PQL &amp; Unit</b> | <b>Reporting Units</b> | <b>Parm Function</b>                      | <b>Included in Sample?</b> | <b>Included in QC?</b> | <b>Custom List?</b> |
|  | Gross Radium Alpha         | 1                                   | pCi/L                  | REG                                       | Y                          | Y                      | Yes                 |

| Action | Product Name | Description | Samples |
|--------|--------------|-------------|---------|
|--------|--------------|-------------|---------|

Contingent Tests

# GEL Laboratories LLC – Login Review Report

Report Date: 27-JAN-14  
Work Order: 341206  
Page 2 of 2

**Login Requirements:**

| <u>Requirement</u> | <u>Include?</u> | <u>Comments</u> |
|--------------------|-----------------|-----------------|
|--------------------|-----------------|-----------------|

---

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 341206**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1361399

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 341206001        | MW-35_01082014   |
| 341206002        | MW-65_01082014   |
| 1203022445       | Method Blank (MB)                                      |
| 1203022446       | 341206001(MW-35_01082014) Sample Duplicate (DUP)       |
| 1203022447       | 341206001(MW-35_01082014) Matrix Spike (MS)            |
| 1203022448       | 341206001(MW-35_01082014) Matrix Spike Duplicate (MSD) |
| 1203022449       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:**

**Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 341206001 (MW-35\_01082014).

**QC Information**

All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the duplicate, 1203022446 (MW-35\_01082014) and 341206001 (MW-35\_01082014), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with value of 1.5424.

**Technical Information:**

**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

**Miscellaneous Information:**

**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

The matrix spike and matrix spike duplicate, 1203022447 (MW-35\_01082014) and 1203022448 (MW-35\_01082014), aliquots were reduced to conserve sample volume.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 341206 GEL Work Order: 341206

**The Qualifiers in this report are defined as follows:**

\* A quality control analyte recovery is outside of specified acceptance criteria

\*\* Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

**Signature:**



**Name: Kate Gellatly**

**Date: 30 JAN 2014**

**Title: Analyst I**

# GEL LABORATORIES LLC

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## QC Summary

Report Date: January 30, 2014

Page 1 of

Energy Fuels Resources (USA), Inc.

225 Union Boulevard

Suite 600

Lakewood, Colorado

Contact: Ms. Kathy Weinel

Workorder: 341206

| Parmname            | NOM         | Sample   | Qual | QC       | Units | RPD%  | REC% | Range      | Anlst | Date     | Time |
|---------------------|-------------|----------|------|----------|-------|-------|------|------------|-------|----------|------|
| <b>Rad Gas Flow</b> |             |          |      |          |       |       |      |            |       |          |      |
| Batch               | 1361399     |          |      |          |       |       |      |            |       |          |      |
| QC1203022446        | 341206001   | DUP      |      |          |       |       |      |            |       |          |      |
| Gross Radium Alpha  |             | 4.12     |      | 5.89     | pCi/L | 35.3* |      | (0%-20%)   | KDF1  | 01/25/14 | 14:0 |
|                     | Uncertainty | +/-0.553 |      | +/-0.769 |       |       |      |            |       |          |      |
| QC1203022449        | LCS         |          |      |          |       |       |      |            |       |          |      |
| Gross Radium Alpha  | 555         |          |      | 581      | pCi/L |       | 105  | (75%-125%) |       | 01/25/14 | 14:0 |
|                     | Uncertainty |          |      | +/-6.85  |       |       |      |            |       |          |      |
| QC1203022445        | MB          |          |      |          |       |       |      |            |       |          |      |
| Gross Radium Alpha  |             |          | U    | 0.292    | pCi/L |       |      |            |       | 01/25/14 | 14:0 |
|                     | Uncertainty |          |      | +/-0.257 |       |       |      |            |       |          |      |
| QC1203022447        | 341206001   | MS       |      |          |       |       |      |            |       |          |      |
| Gross Radium Alpha  | 1120        | 4.12     |      | 929      | pCi/L |       | 82.7 | (75%-125%) |       | 01/25/14 | 14:0 |
|                     | Uncertainty | +/-0.553 |      | +/-13.0  |       |       |      |            |       |          |      |
| QC1203022448        | 341206001   | MSD      |      |          |       |       |      |            |       |          |      |
| Gross Radium Alpha  | 1120        | 4.12     |      | 878      | pCi/L | 5.59  | 78.2 | (0%-20%)   |       | 01/25/14 | 14:0 |
|                     | Uncertainty | +/-0.553 |      | +/-11.3  |       |       |      |            |       |          |      |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

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## QC Summary

Workorder: 341206

Page 2 of

| Parmname | NOM | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|-------------|----|-------|------|------|-------|-------|------|------|
| NJ       |     |             |    |       |      |      |       |       |      |      |
| Q        |     |             |    |       |      |      |       |       |      |      |
| R        |     |             |    |       |      |      |       |       |      |      |
| U        |     |             |    |       |      |      |       |       |      |      |
| UI       |     |             |    |       |      |      |       |       |      |      |
| UJ       |     |             |    |       |      |      |       |       |      |      |
| UL       |     |             |    |       |      |      |       |       |      |      |
| X        |     |             |    |       |      |      |       |       |      |      |
| Y        |     |             |    |       |      |      |       |       |      |      |
| ^        |     |             |    |       |      |      |       |       |      |      |
| h        |     |             |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

February 2014



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-001  
**Client Sample ID:** MW-11\_02242014  
**Collection Date:** 2/24/2014 1130h  
**Received Date:** 2/28/2014 927h

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/28/2014 1355h | 3/6/2014 1858h | E200.8      | 0.000500        | < 0.000500        |      |
| Iron      | mg/L  | 2/28/2014 1355h | 3/6/2014 2105h | E200.8      | 0.0300          | <b>0.113</b>      |      |
| Manganese | mg/L  | 2/28/2014 1355h | 3/6/2014 1858h | E200.8      | 0.0100          | <b>0.163</b>      |      |
| Selenium  | mg/L  | 2/28/2014 1355h | 3/6/2014 1858h | E200.8      | 0.00500         | < 0.00500         |      |
| Thallium  | mg/L  | 2/28/2014 1355h | 3/7/2014 2009h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/28/2014 1355h | 3/6/2014 2158h | E200.8      | 0.000300        | <b>0.000996</b>   |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-001  
**Client Sample ID:** MW-11\_02242014  
**Collection Date:** 2/24/2014 1130h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### **Analytical Results**

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Compound               | Units | Date Prepared | Date Analyzed | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|---------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  | 2/28/2014     | 2319h         | E300.0       | 5.00            | <b>30.8</b>       |      |
| Fluoride               | mg/L  | 3/4/2014      | 1040h         | SM4500-F-C   | 0.100           | <b>0.483</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  | 3/4/2014      | 1802h         | E353.2       | 0.100           | < 0.100           |      |
| Sulfate                | mg/L  | 3/5/2014      | 720h          | SM4500-SO4-E | 250             | <b>1,150</b>      |      |
| Total Dissolved Solids | mg/L  | 2/28/2014     | 1400h         | SM2540C      | 20.0            | <b>1,840</b>      | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-001A  
**Client Sample ID:** MW-11\_02242014  
**Collection Date:** 2/24/2014 1130h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/3/2014 1201h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | 1.81              |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.0   | 50.00         | 102   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.0   | 50.00         | 100   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.0   | 50.00         | 98.1  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.0   | 50.00         | 96.1  | 77-129 |      |

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-11_02242014 | Project: DNMI00100 |
| Sample ID: 343800002             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 24-FEB-14 11:30    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.131    | 0.350 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 100       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-003  
**Client Sample ID:** MW-14\_02242014  
**Collection Date:** 2/24/2014 930h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/28/2014 1355h | 3/6/2014 1930h | E200.8      | 0.000500        | <b>0.00120</b>    |      |
| Iron      | mg/L  | 2/28/2014 1355h | 3/6/2014 2110h | E200.8      | 0.0300          | < 0.0300          |      |
| Manganese | mg/L  | 2/28/2014 1355h | 3/6/2014 1930h | E200.8      | 0.0100          | <b>2.00</b>       |      |
| Selenium  | mg/L  | 2/28/2014 1355h | 3/6/2014 1930h | E200.8      | 0.00500         | < 0.00500         |      |
| Thallium  | mg/L  | 2/28/2014 1355h | 3/7/2014 2019h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/28/2014 1355h | 3/6/2014 2203h | E200.8      | 0.000300        | <b>0.0573</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-003  
**Client Sample ID:** MW-14\_02242014  
**Collection Date:** 2/24/2014 930h  
**Received Date:** 2/28/2014 927h

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 3/1/2014 026h   | E300.0       | 5.00            | <b>19.2</b>       |      |
| Fluoride               | mg/L  |               | 3/4/2014 1040h  | SM4500-F-C   | 0.100           | <b>0.139</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 3/4/2014 1804h  | E353.2       | 0.100           | < 0.100           |      |
| Sulfate                | mg/L  |               | 3/5/2014 720h   | SM4500-SO4-E | 250             | <b>2,070</b>      |      |
| Total Dissolved Solids | mg/L  |               | 2/28/2014 1400h | SM2540C      | 20.0            | <b>3,360</b>      |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-003A  
**Client Sample ID:** MW-14\_02242014  
**Collection Date:** 2/24/2014 930h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/28/2014 1707h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

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Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 56.5   | 50.00         | 113   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 48.2   | 50.00         | 96.4  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 55.5   | 50.00         | 111   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 49.7   | 50.00         | 99.5  | 77-129 |      |

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-14_02242014 | Project: DNMI00100 |
| Sample ID: 343800003             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 24-FEB-14 09:30    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.135    | 0.344 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| I                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 101       | (25%-125%)        |  |  |  |  |  |  |  |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-001  
**Client Sample ID:** MW-25\_02132014  
**Collection Date:** 2/13/2014 1405h  
**Received Date:** 2/14/2014 1055h

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared  | Date Analyzed   | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|----------------|-----------------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/17/2014 930h | 2/19/2014 2325h | E200.8      | 0.000500        | <b>0.00129</b>    |      |
| Iron      | mg/L  | 2/17/2014 930h | 2/28/2014 1026h | E200.8      | 0.0300          | < 0.0300          |      |
| Manganese | mg/L  | 2/17/2014 930h | 2/19/2014 2325h | E200.8      | 0.0100          | <b>1.58</b>       | 2    |
| Selenium  | mg/L  | 2/17/2014 930h | 2/19/2014 2325h | E200.8      | 0.00500         | < 0.00500         |      |
| Thallium  | mg/L  | 2/17/2014 930h | 2/23/2014 2208h | E200.8      | 0.000500        | <b>0.000830</b>   |      |
| Uranium   | mg/L  | 2/17/2014 930h | 2/20/2014 024h  | E200.8      | 0.000300        | <b>0.00583</b>    |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-001  
**Client Sample ID:** MW-25\_02132014  
**Collection Date:** 2/13/2014 1405h  
**Received Date:** 2/14/2014 1055h

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|---------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  | 2/15/2014     | 1750h         | E300.0       | 5.00            | <b>30.4</b>       |      |
| Fluoride               | mg/L  | 2/27/2014     | 530h          | SM4500-F-C   | 0.100           | <b>0.313</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  | 2/14/2014     | 1809h         | E353.2       | 0.100           | < 0.100           |      |
| Sulfate                | mg/L  | 2/27/2014     | 1059h         | SM4500-SO4-E | 500             | <b>1,450</b>      |      |
| Total Dissolved Solids | mg/L  | 2/14/2014     | 1200h         | SM2540C      | 20.0            | <b>2,510</b>      | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
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Jose Rocha  
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## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-001A  
**Client Sample ID:** MW-25\_02132014  
**Collection Date:** 2/13/2014 1405h  
**Received Date:** 2/14/2014 1055h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/14/2014 1302h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

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| Compound                    | CAS Number | Reporting Limit | Analytical Result | Qual  |        |      |
|-----------------------------|------------|-----------------|-------------------|-------|--------|------|
| Tetrahydrofuran             | 109-99-9   | 1.00            | < 1.00            |       |        |      |
| Surrogate                   | CAS        | Result          | Amount Spiked     | % REC | Limits | Qual |
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 45.4            | 50.00             | 90.8  | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.8            | 50.00             | 104   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.1            | 50.00             | 98.3  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 51.2            | 50.00             | 102   | 77-129 |      |

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QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-25_02132014 | Project: DNMI00100 |
| Sample ID: 343541003             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 13-FEB-14 14:05    |                    |
| Receive Date: 25-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.105    | 0.240 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |  |  |  |  |  |  |  |  |  |  |
|--------|--------------------|------------------|--|--|--|--|--|--|--|--|--|--|
| 1      | EPA 900.1 Modified |                  |  |  |  |  |  |  |  |  |  |  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 96.4      | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-004  
**Client Sample ID:** MW-26\_02242014  
**Collection Date:** 2/24/2014 1435h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/28/2014 1355h | 3/6/2014 1936h | E200.8      | 0.000500        | < 0.000500        |      |
| Iron      | mg/L  | 2/28/2014 1355h | 3/6/2014 2115h | E200.8      | 0.0300          | <b>0.386</b>      |      |
| Manganese | mg/L  | 2/28/2014 1355h | 3/6/2014 1936h | E200.8      | 0.0100          | <b>0.866</b>      |      |
| Selenium  | mg/L  | 2/28/2014 1355h | 3/6/2014 1936h | E200.8      | 0.00500         | <b>0.0109</b>     |      |
| Thallium  | mg/L  | 2/28/2014 1355h | 3/7/2014 2028h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/28/2014 1355h | 3/6/2014 2209h | E200.8      | 0.000300        | <b>0.0722</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-004  
**Client Sample ID:** MW-26\_02242014  
**Collection Date:** 2/24/2014 1435h  
**Received Date:** 2/28/2014 927h

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 3/1/2014 048h   | E300.0       | 10.0            | <b>70.4</b>       |      |
| Fluoride               | mg/L  |               | 3/4/2014 1040h  | SM4500-F-C   | 0.100           | <b>0.262</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 3/4/2014 1818h  | E353.2       | 0.200           | <b>2.12</b>       |      |
| Sulfate                | mg/L  |               | 3/5/2014 720h   | SM4500-SO4-E | 250             | <b>1,670</b>      |      |
| Total Dissolved Solids | mg/L  |               | 2/28/2014 1400h | SM2540C      | 20.0            | <b>2,900</b>      |      |

463 West 3600 South  
 Salt Lake City, UT 84115  
  
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 Toll Free: (888) 263-8686  
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web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-004A  
**Client Sample ID:** MW-26\_02242014  
**Collection Date:** 2/24/2014 1435h  
**Received Date:** 2/28/2014 927h Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/3/2014 1258h

**Units:** µg/L **Dilution Factor:** 50 **Method:** SW8260C

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| Compound   | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------|------------|-----------------|-------------------|------|
| Chloroform | 67-66-3    | 50.0            | <b>2,810</b>      | ~    |

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Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
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| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 2,600  | 2,500         | 104   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 2,450  | 2,500         | 98.0  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 2,510  | 2,500         | 101   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 2,400  | 2,500         | 96.1  | 77-129 |      |

~ - The reporting limits were raised due to high analyte concentrations.

web: www.awal-labs.com

**Analyzed:** 2/28/2014 1726h

**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

Kyle F. Gross  
Laboratory Director

| Compound           | CAS Number | Reporting Limit | Analytical Result | Qual |
|--------------------|------------|-----------------|-------------------|------|
| Methylene chloride | 75-09-2    | 1.00            | <b>25.8</b>       |      |
| Tetrahydrofuran    | 109-99-9   | 1.00            | < 1.00            |      |

Jose Rocha  
QA Officer

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 57.8   | 50.00         | 116   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 48.5   | 50.00         | 97.0  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 58.5   | 50.00         | 117   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 50.2   | 50.00         | 101   | 77-129 |      |

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-26_02242014 | Project: DNMI00100 |
| Sample ID: 343800004             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 24-FEB-14 14:35    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 3.10   | +/-0.194    | 0.357 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 103       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-005  
**Client Sample ID:** MW-30\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date            |                | Method | Reporting | Analytical     | Qual |
|-----------|-------|-----------------|----------------|--------|-----------|----------------|------|
|           |       | Prepared        | Analyzed       | Used   | Limit     | Result         |      |
| Cadmium   | mg/L  | 2/28/2014 1355h | 3/6/2014 2000h | E200.8 | 0.000500  | < 0.000500     |      |
| Iron      | mg/L  | 2/28/2014 1355h | 3/6/2014 2121h | E200.8 | 0.0300    | < 0.0300       |      |
| Manganese | mg/L  | 2/28/2014 1355h | 3/6/2014 2000h | E200.8 | 0.0100    | <b>0.0181</b>  |      |
| Selenium  | mg/L  | 2/28/2014 1355h | 3/6/2014 2000h | E200.8 | 0.00500   | <b>0.0358</b>  |      |
| Thallium  | mg/L  | 2/28/2014 1355h | 3/7/2014 2105h | E200.8 | 0.000500  | < 0.000500     |      |
| Uranium   | mg/L  | 2/28/2014 1355h | 3/6/2014 2214h | E200.8 | 0.000300  | <b>0.00683</b> |      |

463 West 3600 South  
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-005  
**Client Sample ID:** MW-30\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

### **Analytical Results**

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 3/1/2014 110h   | E300.0       | 50.0            | <b>135</b>        |      |
| Fluoride               | mg/L  |               | 3/4/2014 1040h  | SM4500-F-C   | 0.100           | <b>0.332</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 3/4/2014 1807h  | E3553.2      | 1.00            | <b>18.4</b>       |      |
| Sulfate                | mg/L  |               | 3/5/2014 720h   | SM4500-SO4-E | 125             | <b>608</b>        |      |
| Total Dissolved Solids | mg/L  |               | 2/28/2014 1400h | SM2540C      | 20.0            | <b>1,550</b>      |      |

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Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-005A  
**Client Sample ID:** MW-30\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/3/2014 1220h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.2   | 50.00         | 102   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.6   | 50.00         | 101   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.0   | 50.00         | 97.9  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.0   | 50.00         | 96.0  | 77-129 |      |

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Salt Lake City, UT 84115

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## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-30_02252014 | Project: DNMI00100 |
| Sample ID: 343800005             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 25-FEB-14 10:30    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.131    | 0.348 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method                    | Description                                    | Analyst Comments |         |           |                   |  |  |  |  |  |  |  |
|---------------------------|--|------------------|---------|-----------|-------------------|--|--|--|--|--|--|--|
| 1                         | EPA 900.1 Modified                             |                  |         |           |                   |  |  |  |  |  |  |  |
| Surrogate/Tracer Recovery | Test   | Result           | Nominal | Recovery% | Acceptable Limits |  |  |  |  |  |  |  |
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |                  |         | 87.6      | (25%-125%)        |  |  |  |  |  |  |  |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354B-002  
**Client Sample ID:** MW-31\_02172014  
**Collection Date:** 2/17/2014 1305h  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared   | Date Analyzed  | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|-----------------|----------------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/21/2014 1120h | 2/24/2014 442h | E200.8      | 0.000500        | < 0.000500        |      |
| Iron      | mg/L  | 2/21/2014 1120h | 2/24/2014 508h | E200.8      | 0.0300          | < 0.0300          |      |
| Manganese | mg/L  | 2/21/2014 1120h | 2/24/2014 442h | E200.8      | 0.0100          | < 0.0100          |      |
| Selenium  | mg/L  | 2/21/2014 1120h | 2/24/2014 442h | E200.8      | 0.00500         | <b>0.0758</b>     |      |
| Thallium  | mg/L  | 2/21/2014 1120h | 2/24/2014 508h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/21/2014 1120h | 2/24/2014 540h | E200.8      | 0.000300        | <b>0.00765</b>    |      |

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 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354B-002  
**Client Sample ID:** MW-31\_02172014  
**Collection Date:** 2/17/2014 1305h  
**Received Date:** 2/21/2014 920h

## Analytical Results

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 2/28/2014 158h  | E300.0       | 50.0            | 197               |      |
| Fluoride               | mg/L  |               | 2/28/2014 1100h | SM4500-F-C   | 0.100           | 0.811             |      |
| Nitrate-Nitrite (as N) | mg/L  |               | 2/21/2014 1504h | E353.2       | 2.00            | 20.6              |      |
| Sulfate                | mg/L  |               | 2/28/2014 841h  | SM4500-SO4-E | 125             | 480               |      |
| Total Dissolved Solids | mg/L  |               | 2/21/2014 1040h | SM2540C      | 20.0            | 1,460             | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354B-002C  
**Client Sample ID:** MW-31\_02172014  
**Collection Date:** 2/17/2014 1305h  
**Received Date:** 2/21/2014 920h Test Code: 8260-W

**Analytical Results**

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/24/2014 1030h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound                    | CAS Number | Reporting Limit | Analytical Result | Qual  |        |      |
|-----------------------------|------------|-----------------|-------------------|-------|--------|------|
| Tetrahydrofuran             | 109-99-9   | 1.00            | < 1.00            |       |        |      |
| Surrogate                   | CAS        | Result          | Amount Spiked     | % REC | Limits | Qual |
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.4            | 50.00             | 101   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 53.0            | 50.00             | 106   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.3            | 50.00             | 101   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.2            | 50.00             | 96.4  | 77-129 |      |

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 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-31_02172014 | Project: DNMI00100 |
| Sample ID: 343541004             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 17-FEB-14 13:05    |                    |
| Receive Date: 25-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.0563   | 0.128 | 1.00 | pCi/L |    | CXP3    | 03/10/14 | 1615 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer | Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|------------------|----------|--|--------|---------|-----------|-------------------|
| Barium Carrier   |          | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 103       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-002  
**Client Sample ID:** MW-35\_02112014  
**Collection Date:** 2/11/2014 1405h  
**Received Date:** 2/14/2014 1055h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared |      | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|---------------|------|---------------|-------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/17/2014     | 930h | 2/19/2014     | 2352h | E200.8      | 0.000500        | < 0.000500        |      |
| Iron      | mg/L  | 2/17/2014     | 930h | 2/28/2014     | 1042h | E200.8      | 0.0300          | <b>0.141</b>      |      |
| Manganese | mg/L  | 2/17/2014     | 930h | 2/19/2014     | 2352h | E200.8      | 0.0100          | <b>0.247</b>      |      |
| Selenium  | mg/L  | 2/17/2014     | 930h | 2/19/2014     | 2352h | E200.8      | 0.00500         | <b>0.0123</b>     |      |
| Thallium  | mg/L  | 2/17/2014     | 930h | 2/23/2014     | 2214h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/17/2014     | 930h | 2/20/2014     | 029h  | E200.8      | 0.000300        | <b>0.0206</b>     |      |

463 West 3600 South  
Salt Lake City, UT 84115

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Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-002  
**Client Sample ID:** MW-35\_02112014  
**Collection Date:** 2/11/2014 1405h  
**Received Date:** 2/14/2014 1055h

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 2/15/2014 1923h | E300.0       | 10.0            | <b>65.9</b>       |      |
| Fluoride               | mg/L  |               | 2/27/2014 530h  | SM4500-F-C   | 0.100           | <b>0.342</b>      |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 2/14/2014 1810h | E353.2       | 0.100           | < 0.100           |      |
| Sulfate                | mg/L  |               | 2/27/2014 1059h | SM4500-SO4-E | 625             | <b>2,120</b>      |      |
| Total Dissolved Solids | mg/L  |               | 2/14/2014 1200h | SM2540C      | 20.0            | <b>3,720</b>      |      |

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Sample ID:** 1402249A-002A  
**Client Sample ID:** MW-35\_02112014  
**Collection Date:** 2/11/2014 1405h  
**Received Date:** 2/14/2014 1055h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/14/2014 1321h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 46.2   | 50.00         | 92.4  | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 53.0   | 50.00         | 106   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.7   | 50.00         | 99.5  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 51.1   | 50.00         | 102   | 77-129 |      |

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-35_02112014 | Project: DNMI00100 |
| Sample ID: 343541005             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 11-FEB-14 14:05    |                    |
| Receive Date: 25-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             |           | 3.98   | +/-0.213    | 0.342 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 101       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-008  
**Client Sample ID:** MW-65\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

### DISSOLVED METALS

| Compound  | Units | Date Prepared |       | Date Analyzed |       | Method Used | Reporting Limit | Analytical Result | Qual |
|-----------|-------|---------------|-------|---------------|-------|-------------|-----------------|-------------------|------|
| Cadmium   | mg/L  | 2/28/2014     | 1355h | 3/6/2014      | 2011h | E200.8      | 0.000500        | < 0.000500        |      |
| Iron      | mg/L  | 2/28/2014     | 1355h | 3/6/2014      | 2131h | E200.8      | 0.0300          | < 0.0300          |      |
| Manganese | mg/L  | 2/28/2014     | 1355h | 3/6/2014      | 2011h | E200.8      | 0.0100          | <b>0.0197</b>     |      |
| Selenium  | mg/L  | 2/28/2014     | 1355h | 3/6/2014      | 2011h | E200.8      | 0.00500         | <b>0.0363</b>     |      |
| Thallium  | mg/L  | 2/28/2014     | 1355h | 3/7/2014      | 2115h | E200.8      | 0.000500        | < 0.000500        |      |
| Uranium   | mg/L  | 2/28/2014     | 1355h | 3/6/2014      | 2220h | E200.8      | 0.000300        | <b>0.00694</b>    |      |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
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 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-008  
**Client Sample ID:** MW-65\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

### Analytical Results

| Compound               | Units | Date Prepared | Date Analyzed   | Method Used  | Reporting Limit | Analytical Result | Qual |
|------------------------|-------|---------------|-----------------|--------------|-----------------|-------------------|------|
| Chloride               | mg/L  |               | 3/1/2014 239h   | E300.0       | 50.0            | 135               |      |
| Fluoride               | mg/L  |               | 3/4/2014 1040h  | SM4500-F-C   | 0.100           | 0.334             |      |
| Nitrate/Nitrite (as N) | mg/L  |               | 3/4/2014 1808h  | E353.2       | 1.00            | 17.7              |      |
| Sulfate                | mg/L  |               | 3/5/2014 720h   | SM4500-SO4-E | 125             | 706               |      |
| Total Dissolved Solids | mg/L  |               | 2/28/2014 1400h | SM2540C      | 20.0            | 1,570             |      |

463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-008A  
**Client Sample ID:** MW-65\_02252014  
**Collection Date:** 2/25/2014 1030h  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/28/2014 1823h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

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e-mail: awal@awal-labs.com

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 57.3   | 50.00         | 115   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 47.6   | 50.00         | 95.2  | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 56.1   | 50.00         | 112   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 49.6   | 50.00         | 99.2  | 77-129 |      |

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

# GEL LABORATORIES LLC

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## Certificate of Analysis

Report Date: March 11, 2014

Company : Energy Fuels Resources (USA), Inc.  
 Address : 225 Union Boulevard  
 Suite 600  
 Lakewood, Colorado 80228  
 Contact: Ms. Kathy Weinel  
 Project: White Mesa Mill GW

|                                  |                    |
|----------------------------------|--------------------|
| Client Sample ID: MW-65_02252014 | Project: DNMI00100 |
| Sample ID: 343800007             | Client ID: DNMI001 |
| Matrix: Ground Water             |                    |
| Collect Date: 25-FEB-14 10:30    |                    |
| Receive Date: 28-FEB-14          |                    |
| Collector: Client                |                    |

| Parameter                                      | Qualifier | Result | Uncertainty | MDC   | RL   | Units | DF | Analyst | Date     | Time | Batch   | Method |
|--|-----------|--------|-------------|-------|------|-------|----|---------|----------|------|---------|--------|
| Rad Gas Flow Proportional Counting             |           |        |             |       |      |       |    |         |          |      |         |        |
| GFPC, Total Alpha Radium, Liquid "As Received" |           |        |             |       |      |       |    |         |          |      |         |        |
| Gross Radium Alpha                             | U         | 1.00   | +/-0.120    | 0.327 | 1.00 | pCi/L |    | CXP3    | 03/07/14 | 1523 | 1370170 | 1      |

The following Analytical Methods were performed:

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 900.1 Modified |                  |

| Surrogate/Tracer Recovery | Test   | Result | Nominal | Recovery% | Acceptable Limits |
|---------------------------|--|--------|---------|-----------|-------------------|
| Barium Carrier            | GFPC, Total Alpha Radium, Liquid "As Received" |        |         | 103       | (25%-125%)        |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.

**Contact:** Garrin Palmer

**Project:** 1st Quarter Groundwater 2014

**Lab Sample ID:** 1402249A-003A

**Client Sample ID:** Trip Blank

**Collection Date:** 2/11/2014

**Received Date:** 2/14/2014 1055h

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/14/2014 1340h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

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Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 45.9   | 50.00         | 91.8  | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 53.3   | 50.00         | 107   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.3   | 50.00         | 98.5  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 51.0   | 50.00         | 102   | 77-129 |      |

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402354B-005A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 2/17/2014  
**Received Date:** 2/21/2014 920h

**Contact:** Garrin Palmer

Test Code: 8260-W

### Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 2/24/2014 902h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
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| Compound        | CAS Number | Reporting Limit | Analytical Result | Qual |
|-----------------|------------|-----------------|-------------------|------|
| Tetrahydrofuran | 109-99-9   | 1.00            | < 1.00            |      |

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e-mail: awal@awal-labs.com

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8   | 50.00         | 102   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 51.9   | 50.00         | 104   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 50.8   | 50.00         | 102   | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.8   | 50.00         | 97.6  | 77-129 |      |

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Sample ID:** 1402473A-010A  
**Client Sample ID:** Trip Blank  
**Collection Date:** 2/24/2014  
**Received Date:** 2/28/2014 927h

**Contact:** Garrin Palmer

Test Code: 8260-W

## Analytical Results

VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 3/3/2014 1142h

**Units:** µg/L

**Dilution Factor:** 1

**Method:** SW8260C

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

| Compound           | CAS Number | Reporting Limit | Analytical Result | Qual |
|--------------------|------------|-----------------|-------------------|------|
| Chloroform         | 67-66-3    | 1.00            | < 1.00            |      |
| Methylene chloride | 75-09-2    | 1.00            | < 1.00            |      |
| Tetrahydrofuran    | 109-99-9   | 1.00            | < 1.00            |      |

| Surrogate                   | CAS        | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.9   | 50.00         | 104   | 72-151 |      |
| Surr: 4-Bromofluorobenzene  | 460-00-4   | 50.3   | 50.00         | 101   | 80-128 |      |
| Surr: Dibromofluoromethane  | 1868-53-7  | 49.8   | 50.00         | 99.6  | 80-124 |      |
| Surr: Toluene-d8            | 2037-26-5  | 48.8   | 50.00         | 97.7  | 77-129 |      |

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Groundwater 2014

Dear Garrin Palmer:

Lab Set ID: 1402249A

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 5 sample(s) on 2/14/2014 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

This is a revised report to a report originally issued on 2/28/2014. By client request, samples -001, -002 & -003 are being reported out on this report. All pages have been updated for pagination.

Thank You,

Approved by:

**Kyle F. Gross**  
Digitally signed by Kyle F. Gross  
DN: cn=Kyle F. Gross, o=AWAL,  
ou=AWAL-Laboratory Director,  
email=kyle@awal-labs.com, c=US  
Date: 2014 03 13 11:55:18 -06'00'

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Groundwater 2014  
**Lab Set ID:** 1402249A  
**Date Received:** 2/14/2014 1055h

**Contact:** Garrin Palmer

| 463 West 3600 South<br>Salt Lake City, UT 84115 | <b>Lab Sample ID</b> | <b>Client Sample ID</b> | <b>Date Collected</b> | <b>Matrix</b> | <b>Analysis</b>                 |
|---|----------------------|-------------------------|-----------------------|---------------|---------------------------------|
| Phone: (801) 263-8686                           | 1402249-001A         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | VOA by GC/MS Method 8260C/5030C |
| Toll Free: (888) 263-8686                       | 1402249-001B         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | Anions, E300.0                  |
| Fax: (801) 263-8687                             | 1402249-001B         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | Fluoride, Aqueous               |
| e-mail: awal@awal-labs.com                      | 1402249-001B         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | Sulfate, Aqueous                |
| web: www.awal-labs.com                          | 1402249-001C         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | Total Dissolved Solids, A2540C  |
|   | 1402249-001D         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | Nitrite/Nitrate (as N), E353.2  |
|   | 1402249-001E         | MW-25_02132014          | 2/13/2014 1405h       | Aqueous       | ICPMS Metals, Dissolved         |
|   | 1402249-002A         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | VOA by GC/MS Method 8260C/5030C |
|   | 1402249-002B         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | Fluoride, Aqueous               |
|   | 1402249-002B         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | Sulfate, Aqueous                |
|   | 1402249-002B         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | Anions, E300.0                  |
| Kyle F. Gross<br>Laboratory Director            | 1402249-002C         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | Total Dissolved Solids, A2540C  |
|   | 1402249-002D         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | Nitrite/Nitrate (as N), E353.2  |
|   | 1402249-002E         | MW-35_02112014          | 2/11/2014 1405h       | Aqueous       | ICPMS Metals, Dissolved         |
| Jose Rocha<br>QA Officer                        | 1402249-003A         | Trip Blank              | 2/11/2014             | Aqueous       | VOA by GC/MS Method 8260C/5030C |



## Revised Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Groundwater 2014  
**Lab Set ID:** 1402249A

463 West 3600 South  
Salt Lake City, UT 84115

### Sample Receipt Information:

**Date of Receipt:** 2/14/2014  
**Date(s) of Collection:** 2/11 & 2/13/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

**Holding Time and Preservation Requirements:** The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

web: www.awal-labs.com

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

Kyle F. Gross  
Laboratory Director

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Jose Rocha  
QA Officer

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: On sample 1402249A-001E, the MSD was outside of its control limits for manganese due to high analyte concentration.

**Duplicate (DUP):** The RPD was outside of its control limits for Total Dissolved Solids on sample 1402249A-001C due to sample non-homogeneity or matrix interference.

**Corrective Action:** None required.



## Revised Volatile Case Narrative

**Client:** Denison Mines  
**Contact:** Jo Ann Tischler  
**Project:** 1st Quarter Groundwater 2014  
**Lab Set ID:** 1402249A

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Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

|                               |                    |
|-------------------------------|--------------------|
| <b>Date of Receipt:</b>       | 2/14/2014          |
| <b>Date(s) of Collection:</b> | 2/11 & 2/13/2014   |
| <b>Sample Condition:</b>      | Intact             |
| <b>C-O-C Discrepancies:</b>   | None               |
| <b>Method:</b>                | SW-846 8260C/5030C |
| <b>Analysis:</b>              | Tetrahydrofuran    |

**General Set Comments:** Tetrahydrofuran was not observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/19/2014 2320h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.206  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 103  | 85 - 115 |              |       |           |      |
| Manganese                       | 0.208  | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 104  | 85 - 115 |              |       |           |      |
| Selenium                        | 0.200  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 99.9 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.197  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0                 | 98.6 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/23/2014 2219h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.190  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0                 | 95.2 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID: LCS-30576</b> |        | Date Analyzed: 02/28/2014 1021h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS            |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Iron                            | 0.966  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 96.6 | 85 - 115 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units | Method           | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|-------|------------------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30576 | Date Analyzed: |       | 02/19/2014 2315h |            |                 |               |                   |      |        |              |       |           |      |
| Test Code:                     | Date Prepared: |       | 02/17/2014 930h  |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L  | E200.8           | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L  | E200.8           | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L  | E200.8           | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30576 | Date Analyzed: |       | 02/20/2014 018h  |            |                 |               |                   |      |        |              |       |           |      |
| Test Code:                     | Date Prepared: |       | 02/17/2014 930h  |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L  | E200.8           | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30576 | Date Analyzed: |       | 02/23/2014 2203h |            |                 |               |                   |      |        |              |       |           |      |
| Test Code:                     | Date Prepared: |       | 02/17/2014 930h  |            |                 |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L  | E200.8           | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30576 | Date Analyzed: |       | 02/28/2014 1015h |            |                 |               |                   |      |        |              |       |           |      |
| Test Code:                     | Date Prepared: |       | 02/17/2014 930h  |            |                 |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300       | mg/L  | E200.8           | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/19/2014 2341h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.203  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0.00129           | 101  | 75 - 125 |              |       |           |      |
| Manganese                            | 1.75   | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 1.58              | 84.4 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.214  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 107  | 75 - 125 |              |       |           |      |
| Uranium                              | 0.194  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.00583           | 93.9 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/23/2014 2224h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                             | 0.187  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.00083           | 93.3 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402249-001EMS</b> |        | Date Analyzed: 02/28/2014 1031h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                 |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Iron                                 | 0.970  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 97.0 | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: 02/19/2014 2347h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                               | 0.208  | mg/L                            | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0.00129           | 103  | 75 - 125 | 0.203        | 2.18  | 20        |      |
| Manganese                             | 1.84   | mg/L                            | E200.8 | 0.00166   | 0.00200         | 0.2000        | 1.58              | 131  | 75 - 125 | 1.75         | 5.15  | 20        |      |
| Selenium                              | 0.212  | mg/L                            | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 106  | 75 - 125 | 0.214        | 1.27  | 20        |      |
| Uranium                               | 0.202  | mg/L                            | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.00583           | 97.9 | 75 - 125 | 0.194        | 4.04  | 20        |      |
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: 02/23/2014 2230h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                              | 0.189  | mg/L                            | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.00083           | 93.9 | 75 - 125 | 0.187        | 0.628 | 20        |      |
| <b>Lab Sample ID: 1402249-001EMSD</b> |        | Date Analyzed: 02/28/2014 1037h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code: 200.8-DIS                  |        | Date Prepared: 02/17/2014 930h  |        |           |                 |               |                   |      |          |              |       |           |      |
| Iron                                  | 0.963  | mg/L                            | E200.8 | 0.0472    | 0.100           | 1.000         | 0                 | 96.3 | 75 - 125 | 0.97         | 0.678 | 20        |      |

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001CDUP</b> |        | Date Analyzed: 02/14/2014 1200h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code: TDS-W-2540C</b>         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 2,820  | mg/L                            | SM2540C | 8.00 | 20.0            |               |                   |      |        | 2510         | 11.4  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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Kyle F. Gross  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte                          | Result | Units                           | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|----------------------------------|--------|---------------------------------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS-R65038</b> |        | Date Analyzed: 02/15/2014 1703h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W               |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                         | 5.00   | mg/L                            | E300.0       | 0.0114  | 0.100           | 5.000         | 0                 | 99.9 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R65448</b> |        | Date Analyzed: 02/27/2014 530h  |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC            |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                         | 1.06   | mg/L                            | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 106  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R65008</b> |        | Date Analyzed: 02/14/2014 1745h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2       |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)           | 0.986  | mg/L                            | E353.2       | 0.00252 | 0.100           | 1.000         | 0                 | 98.6 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R65472</b> |        | Date Analyzed: 02/27/2014 1059h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E        |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                          | 1,090  | mg/L                            | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 109  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: LCS-R65045</b> |        | Date Analyzed: 02/14/2014 1200h |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C           |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids           | 194    | mg/L                            | SM2540C      | 4.00    | 10.0            | 205.0         | 0                 | 94.6 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte   | Result  | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R65038</b> Date Analyzed: 02/15/2014 1640h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride  | < 0.100 | mg/L  | E300.0       | 0.0114  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65448</b> Date Analyzed: 02/27/2014 530h  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC   |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride  | < 0.100 | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65008</b> Date Analyzed: 02/14/2014 1744h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                      |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)  | < 0.100 | mg/L  | E353.2       | 0.00252 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65472</b> Date Analyzed: 02/27/2014 1059h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E                                       |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | < 5.00  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65045</b> Date Analyzed: 02/14/2014 1200h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | < 10.0  | mg/L  | SM2540C      | 4.00    | 10.0            |               |                   |      |        |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001BMS</b> Date Analyzed: 02/15/2014 1813h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 25,000 | mg/L  | E300.0       | 57.0    | 500             | 25,000        | 30.4              | 100  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402249-002BMS</b> Date Analyzed: 02/27/2014 530h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.32   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.342             | 97.8 | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1402140-004BMS</b> Date Analyzed: 02/14/2014 1822h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 15.1   | mg/L  | E353.2       | 0.0252  | 1.00            | 10.00         | 4.24              | 108  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402249-002DMS</b> Date Analyzed: 02/14/2014 1824h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.02   | mg/L  | E353.2       | 0.00252 | 0.100           | 1.000         | 0.0286            | 99.0 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402249-002BMS</b> Date Analyzed: 02/27/2014 1059h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 4,680  | mg/L  | SM4500-SO4-E | 339     | 625             | 2,500         | 2120              | 102  | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID: 1402249-001BMSD</b> Date Analyzed: 02/15/2014 1836h |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Test Code: 300.0-W  |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Chloride  | 25,000 | mg/L  | E300.0       | 57.0    | 500             | 25,000        | 30.4              | 100  | 90 - 110 | 25000        | 0.0492 | 20        |      |
| <b>Lab Sample ID: 1402249-002BMSD</b> Date Analyzed: 02/27/2014 530h  |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Test Code: F-W-4500FC   |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Fluoride  | 1.35   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.342             | 101  | 80 - 120 | 1.32         | 2.25   | 10        |      |
| <b>Lab Sample ID: 1402140-004BMSD</b> Date Analyzed: 02/14/2014 1823h |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Nitrate/Nitrite (as N)  | 14.6   | mg/L  | E353.2       | 0.0252  | 1.00            | 10.00         | 4.24              | 104  | 90 - 110 | 15.1         | 3.17   | 10        |      |
| <b>Lab Sample ID: 1402249-002DMSD</b> Date Analyzed: 02/14/2014 1826h |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Nitrate/Nitrite (as N)  | 1.05   | mg/L  | E353.2       | 0.00252 | 0.100           | 1.000         | 0.0286            | 103  | 90 - 110 | 1.02         | 3.38   | 10        |      |
| <b>Lab Sample ID: 1402249-002BMSD</b> Date Analyzed: 02/27/2014 1059h |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |         |                 |               |                   |      |          |              |        |           |      |
| Sulfate   | 4,530  | mg/L  | SM4500-SO4-E | 339     | 625             | 2,500         | 2120              | 96.4 | 80 - 120 | 4680         | 3.27   | 10        |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                               | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC 021414A</b> |        | Date Analyzed: 02/14/2014 807h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                     |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                       | 15.3   | µg/L                           | SW8260C | 0.874 | 2.00            | 20.00         | 0                 | 76.4 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4           | 43.6   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 87.1 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 51.6   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane            | 50.0   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 99.9 | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                      | 52.4   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 105  | 81 - 135 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                              | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC 021414A</b> |        | Date Analyzed: 02/14/2014 846h |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                    |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                      | < 1.00 | µg/L                           | SW8260C | 0.874 | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 44.0   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 88.0 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 52.4   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 105  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane           | 48.9   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 97.7 | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                     | 52.0   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 104  | 81 - 135 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402249-001AMS</b> |        | Date Analyzed: 02/14/2014 1437h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>             |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                      | 14.0   | µg/L                            | SW8260C | 0.874 | 2.00            | 20.00         | 0                 | 70.0 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 43.1   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 86.1 | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 51.3   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 103  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 49.4   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 98.9 | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 51.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 129 |              |       |           |      |



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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402249A  
**Project:** 1st Quarter Groundwater 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402249-001AMSD |        | Date Analyzed: 02/14/2014 1456h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 8260-W              |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                       | 15.8   | µg/L                            | SW8260C | 0.874 | 2.00            | 20.00         | 0                 | 79.0 | 43 - 146 | 14           | 12.2  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 44.3   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 88.6 | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 51.7   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 103  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 50.0   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 99.9 | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 52.3   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 105  | 77 - 129 |              |       |           |      |

**WORK ORDER Summary**

Work Order: **1402249 A** Page 1 of 2

**Client:** Energy Fuels Resources, Inc.

Due Date: 2/25/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Groundwater 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples were field filtered for the metals. 4-26-14 - Fluoride method updated / 3-3-14 per instructions from Kathy Weinel, samples -001, -002 & -003 will be reported out as 1402249 A and samples -004 & -005 will be reported out as 1402249 B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1402249-001A | MW-25_02132014   | 2/13/2014 1405h | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-001B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402249-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402249-001D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402249-001E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402249-002A | MW-35_02112014   | 2/11/2014 1405h | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-002B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402249-002C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402249-002D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402249-002E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402249-003A | Trip Blank       | 2/11/2014       | 2/14/2014 1055h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402249-004A | MW-05_02122014   | 2/12/2014 1210h | 2/14/2014 1055h | 200.8-DIS   | Aqueous | <input checked="" type="checkbox"/> | df / dis mct       | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: U</i>  |         |                                     |                    |   |

# WORK ORDER Summary

Work Order: **1402249 A** Page 2 of 2

**Client:** Energy Fuels Resources, Inc.

**Due Date:** 2/25/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code                 | Matrix  | Sel                                 | Storage        |
|--------------|------------------|-----------------|-----------------|---------------------------|---------|-------------------------------------|----------------|
| 1402249-004A | MW-05_02122014   | 2/12/2014 1210h | 2/14/2014 1055h | 200.8-DIS-PR              | Aqueous | <input type="checkbox"/>            | df / dis met 1 |
| 1402249-005A | MW-12_02122014   | 2/12/2014 0845h | 2/14/2014 1055h | 200.8-DIS                 | Aqueous | <input checked="" type="checkbox"/> | df / dis met 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: SE</i> |         |                                     |                |
|              |                  |                 |                 | 200.8-DIS-PR              |         | <input type="checkbox"/>            | df / dis met   |



**AMERICAN WEST  
ANALYTICAL LABORATORIES**

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

**CHAIN OF CUSTODY**

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1402249 A

AWAL LAB SAMPLE SET #  
 PAGE 1 OF 1

| QC LEVEL:  |  | TURN AROUND TIME: |  | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |  | DUE DATE: |  |  |
|--|--|-------------------|--|--|--|-----------|--|--|
| 3  |  | STANDARD          |  |  |  |           |  |  |
| # OF CONTAINERS<br>SAMPLE MATRIX<br>NO2/NO3 (353.2)<br>Dissolved Manganese (200.7/200.8)<br>Cl (4500 or 300.0)<br>TDS (2540C)<br>Dissolved Uranium (200.7/200.8)<br>Dissolved Cadmium (200.7/200.8)<br>Dissolved Selenium (200.7/200.8)<br>Dissolved Thallium (200.7/200.8)<br>SO <sub>4</sub> (4500 or 300.0)<br>FI (4500 or 300.0)<br>Dissolved Iron (200.7/200.8)<br>VOCs THF (8260C) |  |                   |  |  |  |           |  |  |
|  |  |                   |  |  |  |           |  |  |
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|  |  |                   |  |  |  |           |  |  |
|  |  |                   |  |  |  |           |  |  |

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #:  
**gpalmer@energyfuels.com; kweinel@energyfuels.com;**  
**dturk@energyfuels.com**  
 PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
 PROJECT #:  
 PO #:  
 SAMPLER NAME: **TANNER HOLLIDAY**

X INCLUDE EDD:  
 LOCUS UPLOAD  
 EXCEL  
 X FIELD FILTERED FOR:  
 Dissolved Metals

FOR COMPLIANCE WITH:  
 NELAP  
 RCRA  
 CWA  
 SDWA  
 ELAP / A2LA  
 NLLAP  
 NON-COMPLIANCE  
 OTHER:

KNOWN HAZARDS  
 &  
 SAMPLE COMMENTS

LABORATORY USE ONLY

SAMPLES WERE

- 1 SHIPPED OR HAND DELIVERED
- 2 AMBIENT OR CHILLED
- 3 TEMPERATURE 2.6 °C
- 4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y N
- 5 PROPERLY PRESERVED Y N  
 CHECKED AT BENCH Y N
- 6 RECEIVED WITHIN HOLDING TIMES Y N

|    | SAMPLE ID:                | DATE SAMPLED         | TIME SAMPLED    | # OF CONTAINERS | SAMPLE MATRIX | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C) | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO <sub>4</sub> (4500 or 300.0) | FI (4500 or 300.0) | Dissolved Iron (200.7/200.8) | VOCs THF (8260C) | KNOWN HAZARDS & SAMPLE COMMENTS                                   |
|----|---------------------------|----------------------|-----------------|-----------------|---------------|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------|------------------------------|------------------|---|
| 1  | MW-25_02132014            | 2/13/2014            | 1405            | 7               | W             | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                               | X                  | X                            | X                |   |
| 2  | MW-35_02112014            | 2/11/2014            | 1405            | 7               | W             | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                               | X                  | X                            | X                |   |
| 3  | TRIP BLANK                | 2/11/2014            |                 | 3               | W             |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              | X                |   |
| 4  | <del>MW-05_02122014</del> | <del>2/12/2014</del> | <del>1310</del> | <del>1</del>    | <del>W</del>  |                 |                                   |                    |             | X                               |                                 |                                  |                                  |                                 |                    |                              |                  | Per Kathy Weinel, samples -004 & -005 are on 1402249 B. MH 3-3-14 |
| 5  | <del>MW-12_02122014</del> | <del>2/12/2014</del> | <del>845</del>  | <del>1</del>    | <del>W</del>  |                 |                                   |                    |             |                                 | X                               |                                  |                                  |                                 |                    |                              |                  |   |
| 6  | TEMP BLANK                |                      |                 | 1               | W             |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 7  |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 8  |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 9  |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 10 |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 11 |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |
| 12 |                           |                      |                 |                 |               |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                                 |                    |                              |                  |   |

GOC TAPE WAY:

- 1 PRESENT ON OUTER PACKAGE Y N NA
- 2 UNBROKEN ON OUTER PACKAGE Y N NA
- 3 PRESENT ON SAMPLE Y N NA
- 4 UNBROKEN ON SAMPLE Y N NA

DIFFERENCES BETWEEN SAMPLE LABELS AND GOC RECORD? Y N

|   |               |  |               |
|---|---------------|--|---------------|
| RELINQUISHED BY: SIGNATURE <i>Tanner Holliday</i> | DATE: 2/14/14 | RECEIVED BY: SIGNATURE <i>Kathy Weinel</i> | DATE: 2/14/14 |
| PRINT NAME: Tanner Holliday                       | TIME: 1055    | PRINT NAME: Kathy Weinel                   | TIME: 1455    |
| RELINQUISHED BY: SIGNATURE                        | DATE:         | RECEIVED BY: SIGNATURE                     | DATE:         |
| PRINT NAME:                                       | TIME:         | PRINT NAME:                                | TIME:         |
| RELINQUISHED BY: SIGNATURE                        | DATE:         | RECEIVED BY: SIGNATURE                     | DATE:         |
| PRINT NAME:                                       | TIME:         | PRINT NAME:                                | TIME:         |
| RELINQUISHED BY: SIGNATURE                        | DATE:         | RECEIVED BY: SIGNATURE                     | DATE:         |
| PRINT NAME:                                       | TIME:         | PRINT NAME:                                | TIME:         |

SPECIAL INSTRUCTIONS:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

FI method updated - DB 2/26/13

Preservation Check Sheet

Sample Set Extension and pH

| Analysis                          | Preservative                         | 1   | 2   | 4   | 5   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide                           | pH >12<br>NaOH                       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metals                            | pH <2 HNO <sub>3</sub>               | yes | yes | yes | yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> | yes | yes | yes | yes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| O & G                             | pH <2 HCL                            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation

- \* The sample required additional preservative upon receipt.
- + The sample was received unpreserved
- ▲ The Sample was received unpreserved and therefore preserved upon receipt.
- # The sample pH was unadjustable to a pH < 2 due to the sample matrix
- The sample pH was unadjustable to a pH > \_\_\_\_ due to the sample matrix interference



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1402354B

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 5 sample(s) on 2/21/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com  
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

Digitally signed by Jose G. Rocha  
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US  
Date: 2014.03.17 14:26:27 -06'00'

Jose G.  
Rocha

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354B  
**Date Received:** 2/21/2014 920h

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
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web: www.awal-labs.com

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                           |
|---------------|------------------|-----------------|---------|------------------------------------|
| 1402354-002A  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | ICPMS Metals, Dissolved            |
| 1402354-002B  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | Fluoride, Aqueous                  |
| 1402354-002B  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | Sulfate, Aqueous                   |
| 1402354-002B  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | Anions, E300.0                     |
| 1402354-002C  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | VOA by GC/MS Method<br>8260C/5030C |
| 1402354-002D  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | Total Dissolved Solids, A2540C     |
| 1402354-002E  | MW-31_02172014   | 2/17/2014 1305h | Aqueous | Nitrite/Nitrate (as N), E353.2     |
| 1402354-005A  | Trip Blank       | 2/17/2014       | Aqueous | VOA by GC/MS Method<br>8260C/5030C |

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354B

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Salt Lake City, UT 84115

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### Sample Receipt Information:

**Date of Receipt:** 2/21/14  
**Date(s) of Collection:** 2/17/14  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Duplicate (DUP):** The RPD for Total Dissolved Solids was outside of its control range on sample 1402354-002D due to suspected sample non-homogeneity.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402354B

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web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 2/21/14  
**Date(s) of Collection:** 2/17/14  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None  
**Method:** SW-846 8260C/5030C  
**Analysis:** Volatile Organic Compounds

**General Set Comments:** The target analyte was not observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result         | Units | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|----------------|-------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-30666 | Date Analyzed: |       | 02/24/2014 410h  |           |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS     | Date Prepared: |       | 02/21/2014 1120h |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.190          | mg/L  | E200.8           | 0.0000726 | 0.000500        | 0.2000        | 0                 | 94.9 | 85 - 115 |              |       |           |      |
| Iron                            | 0.976          | mg/L  | E200.8           | 0.0472    | 0.100           | 1.000         | 0                 | 97.6 | 85 - 115 |              |       |           |      |
| Manganese                       | 0.193          | mg/L  | E200.8           | 0.00166   | 0.00200         | 0.2000        | 0                 | 96.7 | 85 - 115 |              |       |           |      |
| Selenium                        | 0.200          | mg/L  | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0                 | 100  | 85 - 115 |              |       |           |      |
| Thallium                        | 0.186          | mg/L  | E200.8           | 0.000222  | 0.00200         | 0.2000        | 0                 | 93.1 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.190          | mg/L  | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0                 | 94.8 | 85 - 115 |              |       |           |      |



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Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units | Method           | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|-------|------------------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: |       | 02/24/2014 405h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: |       | 02/21/2014 1120h |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L  | E200.8           | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L  | E200.8           | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L  | E200.8           | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: |       | 02/24/2014 503h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: |       | 02/21/2014 1120h |            |                 |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300       | mg/L  | E200.8           | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L  | E200.8           | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30666 | Date Analyzed: |       | 02/24/2014 535h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: |       | 02/21/2014 1120h |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L  | E200.8           | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |



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QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result         | Units | Method           | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|----------------|-------|------------------|----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001AMS | Date Analyzed: |       | 02/24/2014 431h  |          |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS          | Date Prepared: |       | 02/21/2014 1120h |          |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.190          | mg/L  | E200.8           | 0.000182 | 0.00125         | 0.2000        | 0.000274          | 95.0 | 75 - 125 |              |       |           |      |
| Iron                                 | 1.12           | mg/L  | E200.8           | 0.118    | 0.250           | 1.000         | 0.141             | 98.4 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.279          | mg/L  | E200.8           | 0.00416  | 0.00500         | 0.2000        | 0.0768            | 101  | 75 - 125 |              |       |           |      |
| Selenium                             | 0.209          | mg/L  | E200.8           | 0.00172  | 0.00500         | 0.2000        | 0                 | 104  | 75 - 125 |              |       |           |      |
| Thallium                             | 0.185          | mg/L  | E200.8           | 0.000555 | 0.00500         | 0.2000        | 0.000401          | 92.5 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.187          | mg/L  | E200.8           | 0.000150 | 0.00500         | 0.2000        | 0.000662          | 93.3 | 75 - 125 |              |       |           |      |



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QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result                          | Units | Method | MDL      | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|---------------------------------|-------|--------|----------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001AMSD | Date Analyzed: 02/24/2014 437h  |       |        |          |                 |               |                   |      |          |              |        |           |      |
| <b>Test Code:</b> 200.8-DIS           | Date Prepared: 02/21/2014 1120h |       |        |          |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.194                           | mg/L  | E200.8 | 0.000182 | 0.00125         | 0.2000        | 0.000274          | 97.1 | 75 - 125 | 0.19         | 2.14   | 20        |      |
| Iron                                  | 1.12                            | mg/L  | E200.8 | 0.118    | 0.250           | 1.000         | 0.141             | 98.2 | 75 - 125 | 1.12         | 0.107  | 20        |      |
| Manganese                             | 0.268                           | mg/L  | E200.8 | 0.00416  | 0.00500         | 0.2000        | 0.0768            | 95.8 | 75 - 125 | 0.279        | 3.83   | 20        |      |
| Selenium                              | 0.202                           | mg/L  | E200.8 | 0.00172  | 0.00500         | 0.2000        | 0                 | 101  | 75 - 125 | 0.209        | 3.22   | 20        |      |
| Thallium                              | 0.185                           | mg/L  | E200.8 | 0.000555 | 0.00500         | 0.2000        | 0.000401          | 92.5 | 75 - 125 | 0.185        | 0.0264 | 20        |      |
| Uranium                               | 0.190                           | mg/L  | E200.8 | 0.000150 | 0.00500         | 0.2000        | 0.000662          | 94.7 | 75 - 125 | 0.187        | 1.53   | 20        |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-002DDUP |        | Date Analyzed: 02/21/2014 1040h |         |      |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C         |        |                                 |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 1,540  | mg/L                            | SM2540C | 4.34 | 20.0            |               |                   |      |        | 1460         | 5.87  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte                           | Result | Units                           | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|-----------------------------------|--------|---------------------------------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-R65489  |        | Date Analyzed: 02/27/2014 1237h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 300.0-W         |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                          | 5.12   | mg/L                            | E300.0       | 0.0623  | 0.100           | 5.000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65501  |        | Date Analyzed: 02/28/2014 1100h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> F-W-4500FC      |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                          | 1.08   | mg/L                            | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 108  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65271  |        | Date Analyzed: 02/21/2014 1429h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> NO2/NO3-W-353.2 |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)            | 0.982  | mg/L                            | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 98.2 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65493  |        | Date Analyzed: 02/28/2014 841h  |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> SO4-W-4500SO4E  |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                           | 1,090  | mg/L                            | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 109  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65341  |        | Date Analyzed: 02/21/2014 1040h |              |         |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> TDS-W-2540C     |        |                                 |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids            | 190    | mg/L                            | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 92.7 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte   | Result  | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R65489</b> Date Analyzed: 02/27/2014 1215h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride  | < 0.100 | mg/L  | E300.0       | 0.0623  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65501</b> Date Analyzed: 02/28/2014 1100h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC   |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride  | < 0.100 | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65271</b> Date Analyzed: 02/21/2014 1428h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                      |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate-Nitrite (as N)  | < 0.100 | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65493</b> Date Analyzed: 02/28/2014 841h  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E                                       |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | < 5.00  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65341</b> Date Analyzed: 02/21/2014 1040h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | < 10.0  | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402354-002BMS</b> Date Analyzed: 02/28/2014 220h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 2,740  | mg/L  | E300.0       | 31.2   | 50.0            | 2,500         | 197               | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402354-002BMS</b> Date Analyzed: 02/28/2014 1100h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.84   | mg/L  | SM4500-F-C   | 0.0125 | 0.100           | 1.000         | 0.811             | 103  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1402354-004AMS</b> Date Analyzed: 02/21/2014 1454h |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)   | 14.2   | mg/L  | E353.2       | 0.0368 | 1.00            | 10.00         | 3.82              | 104  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402354-001BMS</b> Date Analyzed: 02/28/2014 841h  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |        |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 1,710  | mg/L  | SM4500-SO4-E | 136    | 250             | 1,000         | 836               | 87.5 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method       | MDL    | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|--------------|--------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-002BMSD |        | Date Analyzed: 02/28/2014 243h  |              |        |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 300.0-W             |        |                                 |              |        |                 |               |                   |      |          |              |       |           |      |
| Chloride                              | 2,750  | mg/L                            | E300.0       | 31.2   | 50.0            | 2,500         | 197               | 102  | 90 - 110 | 2740         | 0.436 | 20        |      |
| <b>Lab Sample ID:</b> 1402354-002BMSD |        | Date Analyzed: 02/28/2014 1100h |              |        |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> F-W-4500FC          |        |                                 |              |        |                 |               |                   |      |          |              |       |           |      |
| Fluoride                              | 1.89   | mg/L                            | SM4500-F-C   | 0.0125 | 0.100           | 1.000         | 0.811             | 108  | 80 - 120 | 1.84         | 2.68  | 10        |      |
| <b>Lab Sample ID:</b> 1402354-004AMSD |        | Date Analyzed: 02/21/2014 1455h |              |        |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> NO2/NO3-W-353.2     |        |                                 |              |        |                 |               |                   |      |          |              |       |           |      |
| Nitrate-Nitrite (as N)                | 14.6   | mg/L                            | E353.2       | 0.0368 | 1.00            | 10.00         | 3.82              | 108  | 90 - 110 | 14.2         | 2.57  | 10        |      |
| <b>Lab Sample ID:</b> 1402354-001BMSD |        | Date Analyzed: 02/28/2014 841h  |              |        |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> SO4-W-4500SO4E      |        |                                 |              |        |                 |               |                   |      |          |              |       |           |      |
| Sulfate                               | 1,840  | mg/L                            | SM4500-SO4-E | 136    | 250             | 1,000         | 836               | 100  | 80 - 120 | 1710         | 7.05  | 10        |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte                                 | Result | Units                                 | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|---------------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS VOC-D 022414A |        | <b>Date Analyzed:</b> 02/24/2014 805h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 8260-W                |        |                                       |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                         | 14.6   | µg/L                                  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 72.9 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4             | 49.7   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 99.4 | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene              | 51.3   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 103  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane              | 51.2   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 102  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                        | 49.3   | µg/L                                  | SW8260C |       |                 | 50.00         |                   | 98.6 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte                                | Result | Units                          | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|--------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 022414A</b> |        | Date Analyzed: 02/24/2014 843h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code: 8260-W</b>               |        |                                |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                        | < 1.00 | µg/L                           | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4            | 51.7   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 103  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene             | 54.2   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 108  | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane             | 52.4   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 105  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8                       | 49.8   | µg/L                           | SW8260C |       |                 | 50.00         |                   | 99.7 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result                          | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|---------------------------------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001CMS | Date Analyzed: 02/24/2014 1108h |       |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 8260-W             |                                 |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                      | 17.1                            | µg/L  | SW8260C | 0.567 | 2.00            | 20.00         | 3.25              | 69.3 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 49.5                            | µg/L  | SW8260C |       |                 | 50.00         |                   | 99.0 | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 50.5                            | µg/L  | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 50.6                            | µg/L  | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 47.5                            | µg/L  | SW8260C |       |                 | 50.00         |                   | 94.9 | 77 - 129 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402354B  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> 1402354-001CMSD |        | Date Analyzed: 02/24/2014 1127h |         |       |                 |               |                   |      |          |              |       |           |      |
| <b>Test Code:</b> 8260-W              |        |                                 |         |       |                 |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran                       | 19.3   | µg/L                            | SW8260C | 0.567 | 2.00            | 20.00         | 3.25              | 80.1 | 43 - 146 | 17.1         | 11.9  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 51.2   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 102  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 50.6   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 101  | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 52.1   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 104  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 49.2   | µg/L                            | SW8260C |       |                 | 50.00         |                   | 98.4 | 77 - 129 |              |       |           |      |

# American West Analytical Laboratories

**REVISED:** 3/3/2014

UL  
Denison

1402354B reports samples -002 & -005. MH

## WORK ORDER Summary

Work Order: **1402354B** Page 1 of 1

**Client:** Energy Fuels Resources, Inc.

Due Date: 3/4/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Ground Water 2014

**QC Level:** III

**WO Type:** Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Samples for metals have been field filtered. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group./ 3-3-14 per instructions from Kathy Weinel, samples -001, -003, -004 & -005 will be reported out as 1402354A and samples -002 & -005 will be reported out as 1402354B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage      |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------|---|
| 1402354-001A | MW-01_02202014   | 2/20/2014 0930h | 2/21/2014 0920h | 200.8-DIS<br><i>1 SEL Analytes: MN</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
| 1402354-001B |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
| 1402354-001C |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
|              |                  |                 |                 | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         | <input checked="" type="checkbox"/> | vOC          | 3 |
| 1402354-002A | MW-31_02172014   | 2/17/2014 1305h | 2/21/2014 0920h | 200.8-DIS<br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
| 1402354-002B |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
|              |                  |                 |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df / so4     |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df / so4     |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
| 1402354-002C |                  |                 |                 | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         | <input checked="" type="checkbox"/> | vOC          | 3 |
| 1402354-002D |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds     | 1 |
| 1402354-002E |                  |                 |                 | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           |         | <input checked="" type="checkbox"/> | df / no2/no3 |   |
| 1402354-003A | MW-18_02192014   | 2/19/2014 1305h | 2/21/2014 0920h | 200.8-DIS<br><i>1 SEL Analytes: TL</i>                                      | Aqueous | <input checked="" type="checkbox"/> | df / dis met | 1 |
| 1402354-003B |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met |   |
| 1402354-003C |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / so4     |   |
|              |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds     |   |
| 1402354-004A | MW-19_02182014   | 2/18/2014 1600h | 2/21/2014 0920h | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3 | 1 |
| 1402354-005A | Trip Blank       | 2/17/2014       | 2/21/2014 0920h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | vOC          | 3 |



# AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115  
 PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686  
 FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM  
 WWW.AWAL-LABS.COM

## CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1402354 B  
 AWAL LAB SAMPLE SET #  
 PAGE 1 OF 1

CLIENT: **Energy Fuels Resources, Inc.**  
 ADDRESS: **6425 S. Hwy. 191**  
**Blanding, UT 84511**  
 CONTACT: **Garrin Palmer**  
 PHONE #: **(435) 678-2221** CELL #:  
 EMAIL: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**  
 PROJECT NAME: **1ST QUARTER GROUND WATER 2014**  
 PROJECT #:  
 PO #:  
 SAMPLER NAME: **TANNER HOLLIDAY**

| QC LEVEL:        |              | TURN AROUND TIME: |                 | UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE. |                 | DUE DATE:                         |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
|------------------|--------------|-------------------|-----------------|--|-----------------|-----------------------------------|--------------------|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------|--------------------|------------------------------|------------------|---------------------------------|--------------------------------------|---------------|
| 3                |              | STANDARD          |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| SAMPLE ID        | DATE SAMPLED | TIME SAMPLED      | # OF CONTAINERS | SAMPLE MATRIX  | NO2/NO3 (353.2) | Dissolved Manganese (200.7/200.8) | Cl (4500 or 300.0) | TDS (2540C) | Dissolved Uranium (200.7/200.8) | Dissolved Cadmium (200.7/200.8) | Dissolved Selenium (200.7/200.8) | Dissolved Thallium (200.7/200.8) | SO4 (4500 or 300.0) | F1 (4500 or 300.0) | Dissolved Iron (200.7/200.8) | VOCs THF (8260C) | LABORATORY USE ONLY             |                                      |               |
|                  |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  | INCLUDE EDD: LOCUS UPLOAD EXCEL | FIELD FILTERED FOR: Dissolved Metals | SAMPLES WERE: |
| 1 MW-01_02202014 | 2/20/2014    | 330               | 3               | W  | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                   | X                  | X                            | X                | X                               | Y                                    | N             |
| 2 MW-31_02172014 | 2/17/2014    | 1305              | 7               | W  | X               | X                                 | X                  | X           | X                               | X                               | X                                | X                                | X                   | X                  | X                            | X                | X                               | Y                                    | N             |
| 3                |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| 4                |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| 5                |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| 6                |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| 7 MW-18_02192014 | 2/19/2014    | 1805              | 3               | W  |                 |                                   |                    | X           |                                 |                                 | X                                | X                                |                     |                    |                              |                  |                                 | Y                                    | N             |
| 8 MW-19_02182014 | 2/18/2014    | 1600              | 1               | W  | X               |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 | Y                                    | N             |
| 9 TRIP BLANK     | 2/17/2014    |                   | 3               | W  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 | Y                                    | N             |
| 10 TEMP BLANK    | 2/20/2014    |                   | 1               | W  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 | Y                                    | N             |
| 11               |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |
| 12               |              |                   |                 |  |                 |                                   |                    |             |                                 |                                 |                                  |                                  |                     |                    |                              |                  |                                 |                                      |               |

Per Kathy Weinel, samples -001, -003, -004 & -005 are on 1402354A. \*Sample -005 (Trip Blank) will be reported as 1402354A-005 and 1402354B-005. MH 3-3-14

|   |                 |   |               |  |
|---|-----------------|---|---------------|--|
| RELINQUISHED BY: SIGNATURE <i>Tanner Holliday</i> | DATE: 2/20/2014 | RECEIVED BY: SIGNATURE <i>Selma Hay</i> | DATE: 2-21-14 | SPECIAL INSTRUCTIONS:<br>Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list. |
| PRINT NAME: Tanner Holliday                       | TIME: 1100      | PRINT NAME: Selma Hay                   | TIME: 920     |  |
| RELINQUISHED BY: SIGNATURE                        | DATE:           | RECEIVED BY: SIGNATURE                  | DATE:         |  |
| PRINT NAME:                                       | TIME:           | PRINT NAME:                             | TIME:         |  |
| RELINQUISHED BY: SIGNATURE                        | DATE:           | RECEIVED BY: SIGNATURE                  | DATE:         |  |
| PRINT NAME:                                       | TIME:           | PRINT NAME:                             | TIME:         |  |
| RELINQUISHED BY: SIGNATURE                        | DATE:           | RECEIVED BY: SIGNATURE                  | DATE:         |  |
| PRINT NAME:                                       | TIME:           | PRINT NAME:                             | TIME:         |  |

Preservation Check Sheet

Sample Set Extension and pH

| Analysis                          | Preservative                         | 1   | 2   | 3   | 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--------------------------------------|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide                           | pH >12<br>NaOH                       |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metals                            | pH <2 HNO <sub>3</sub>               | Yes | Yes | Yes |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> |     | Yes |     | Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| O & G                             | pH <2 HCL                            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                   |                                      |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation

- \* The sample required additional preservative upon receipt.
- + The sample was received unpreserved
- ▲ The Sample was received unpreserved and therefore preserved upon receipt.
- # The sample pH was unadjustable to a pH < 2 due to the sample matrix
- The sample pH was unadjustable to a pH > \_\_\_\_ due to the sample matrix interference



Garrin Palmer  
Energy Fuels Resources, Inc.  
6425 S. Hwy 191  
Blanding, UT 84511  
TEL: (435) 678-2221

RE: 1st Quarter Ground Water 2014

Dear Garrin Palmer:

Lab Set ID: 1402473A

463 West 3600 South  
Salt Lake City, UT 84115

American West Analytical Laboratories received 13 sample(s) on 2/28/2014 for the analyses presented in the following report.

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)  
web: [www.awal-labs.com](http://www.awal-labs.com)

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

|                          |   |
|--------------------------|---|
| <b>Jose G.<br/>Rocha</b> | Digitally signed by Jose G. Rocha   |
|                          | DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US |
|                          | Date: 2014.03.18 16:56:37 -06'00'   |

Laboratory Director or designee



## SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473A  
**Date Received:** 2/28/2014 927h

**Contact:** Garrin Palmer

463 West 3600 South  
 Salt Lake City, UT 84115

Phone: (801) 263-8686  
 Toll Free: (888) 263-8686  
 Fax: (801) 263-8687  
 e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
 Laboratory Director

Jose Rocha  
 QA Officer

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                        |
|---------------|------------------|-----------------|---------|---------------------------------|
| 1402473-001A  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1402473-001B  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | Fluoride, Aqueous               |
| 1402473-001B  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | Sulfate, Aqueous                |
| 1402473-001B  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | Anions, E300.0                  |
| 1402473-001C  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | Total Dissolved Solids, A2540C  |
| 1402473-001D  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | Nitrite/Nitrate (as N), E353.2  |
| 1402473-001E  | MW-11_02242014   | 2/24/2014 1130h | Aqueous | ICPMS Metals, Dissolved         |
| 1402473-003A  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1402473-003B  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | Sulfate, Aqueous                |
| 1402473-003B  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | Anions, E300.0                  |
| 1402473-003B  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | Fluoride, Aqueous               |
| 1402473-003C  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | Total Dissolved Solids, A2540C  |
| 1402473-003D  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | Nitrite/Nitrate (as N), E353.2  |
| 1402473-003E  | MW-14_02242014   | 2/24/2014 930h  | Aqueous | ICPMS Metals, Dissolved         |
| 1402473-004A  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1402473-004B  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | Anions, E300.0                  |
| 1402473-004B  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | Fluoride, Aqueous               |
| 1402473-004B  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | Sulfate, Aqueous                |
| 1402473-004C  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | Total Dissolved Solids, A2540C  |
| 1402473-004D  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | Nitrite/Nitrate (as N), E353.2  |
| 1402473-004E  | MW-26_02242014   | 2/24/2014 1435h | Aqueous | ICPMS Metals, Dissolved         |
| 1402473-005A  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1402473-005B  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | Anions, E300.0                  |
| 1402473-005B  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | Fluoride, Aqueous               |
| 1402473-005B  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | Sulfate, Aqueous                |
| 1402473-005C  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | Total Dissolved Solids, A2540C  |
| 1402473-005D  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | Nitrite/Nitrate (as N), E353.2  |
| 1402473-005E  | MW-30_02252014   | 2/25/2014 1030h | Aqueous | ICPMS Metals, Dissolved         |
| 1402473-008A  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1402473-008B  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | Anions, E300.0                  |
| 1402473-008B  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | Fluoride, Aqueous               |
| 1402473-008B  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | Sulfate, Aqueous                |



**Client:** Energy Fuels Resources, Inc.  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473A  
**Date Received:** 2/28/2014 927h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected  | Matrix  | Analysis                        |
|---------------|------------------|-----------------|---------|---------------------------------|
| 1402473-008C  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | Total Dissolved Solids, A2540C  |
| 1402473-008D  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | Nitrite/Nitrate (as N), E353.2  |
| 1402473-008E  | MW-65_02252014   | 2/25/2014 1030h | Aqueous | ICPMS Metals, Dissolved         |
| 1402473-010A  | Trip Blank       | 2/24/2014       | Aqueous | VOA by GC/MS Method 8260C/5030C |

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: [awal@awal-labs.com](mailto:awal@awal-labs.com)

web: [www.awal-labs.com](http://www.awal-labs.com)

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473A

463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

---

### Sample Receipt Information:

**Date of Receipt:** 2/28/2014  
**Date(s) of Collection:** 2/24 & 2/25/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Duplicate (DUP):** The RPD for Total Dissolved Solids was outside of its control range on sample 1402473-001C due to suspected sample non-homogeneity or matrix interference.

**Corrective Action:** None required.



## Volatile Case Narrative

**Client:** Energy Fuels Resources, Inc.  
**Contact:** Garrin Palmer  
**Project:** 1st Quarter Ground Water 2014  
**Lab Set ID:** 1402473A

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463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
Fax: (801) 263-8687  
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

### **Sample Receipt Information:**

**Date of Receipt:** 2/28/2014  
**Date(s) of Collection:** 2/24 & 2/25/2014  
**Sample Condition:** Intact  
**C-O-C Discrepancies:** None  
**Method:** SW-846 8260C/5030C  
**Analysis:** Volatile Organic Compounds

**General Set Comments:** Multiple target analytes were observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** LCS

| Analyte                         | Result         | Units | Method           | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------|----------------|-------|------------------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-30788 | Date Analyzed: |       | 03/07/2014 2000h |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      | Date Prepared: |       | 02/28/2014 1355h |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                        | 0.185          | mg/L  | E200.8           | 0.000222  | 0.00200         | 0.2000        | 0                 | 92.5 | 85 - 115 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-30788 | Date Analyzed: |       | 03/06/2014 1853h |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                      | Date Prepared: |       | 02/28/2014 1355h |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                         | 0.197          | mg/L  | E200.8           | 0.0000726 | 0.000500        | 0.2000        | 0                 | 98.4 | 85 - 115 |              |       |           |      |
| Iron                            | 1.01           | mg/L  | E200.8           | 0.0472    | 0.100           | 1.000         | 0                 | 101  | 85 - 115 |              |       |           |      |
| Manganese                       | 0.201          | mg/L  | E200.8           | 0.00166   | 0.00200         | 0.2000        | 0                 | 100  | 85 - 115 |              |       |           |      |
| Selenium                        | 0.196          | mg/L  | E200.8           | 0.000686  | 0.00200         | 0.2000        | 0                 | 98.2 | 85 - 115 |              |       |           |      |
| Uranium                         | 0.191          | mg/L  | E200.8           | 0.0000598 | 0.00200         | 0.2000        | 0                 | 95.7 | 85 - 115 |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MBLK

| Analyte                        | Result         | Units      | Method | MDL        | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------|----------------|------------|--------|------------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/07/2014 | 1951h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Thallium                       | < 0.000500     | mg/L       | E200.8 | 0.0000555  | 0.000500        |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 1848h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Cadmium                        | < 0.000500     | mg/L       | E200.8 | 0.0000726  | 0.000500        |               |                   |      |        |              |       |           |      |
| Manganese                      | < 0.0100       | mg/L       | E200.8 | 0.00166    | 0.0100          |               |                   |      |        |              |       |           |      |
| Selenium                       | < 0.00500      | mg/L       | E200.8 | 0.000686   | 0.00500         |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 2059h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Iron                           | < 0.0300       | mg/L       | E200.8 | 0.0118     | 0.0300          |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID:</b> MB-30788 | Date Analyzed: | 03/06/2014 | 2153h  |            |                 |               |                   |      |        |              |       |           |      |
| <b>Test Code:</b> 200.8-DIS    | Date Prepared: | 02/28/2014 | 1355h  |            |                 |               |                   |      |        |              |       |           |      |
| Uranium                        | < 0.000300     | mg/L       | E200.8 | 0.00000598 | 0.000300        |               |                   |      |        |              |       |           |      |



463 West 3600 South  
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MS

| Analyte                              | Result | Units            | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-009EMS</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                       |        | 03/07/2014 2133h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                           |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                       |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Thallium                             | 0.192  | mg/L             | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000727          | 95.5 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402473-001EMS</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                       |        | 03/06/2014 1914h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                           |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                       |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.196  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 98.0 | 75 - 125 |              |       |           |      |
| Iron                                 | 1.11   | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.113             | 100  | 75 - 125 |              |       |           |      |
| Manganese                            | 0.350  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.163             | 93.8 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.203  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 102  | 75 - 125 |              |       |           |      |
| Uranium                              | 0.201  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.000996          | 99.8 | 75 - 125 |              |       |           |      |
| <b>Lab Sample ID: 1402473-009EMS</b> |        |                  |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed:                       |        | 03/06/2014 2022h |        |           |                 |               |                   |      |          |              |       |           |      |
| Test Code:                           |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |       |           |      |
| Date Prepared:                       |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |       |           |      |
| Cadmium                              | 0.194  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 96.8 | 75 - 125 |              |       |           |      |
| Iron                                 | 0.975  | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0848            | 89.0 | 75 - 125 |              |       |           |      |
| Manganese                            | 0.198  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 99.0 | 75 - 125 |              |       |           |      |
| Selenium                             | 0.431  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.249             | 91.4 | 75 - 125 |              |       |           |      |
| Uranium                              | 0.222  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0223            | 100  | 75 - 125 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** ME  
**QC Type:** MSD

| Analyte                               | Result | Units            | Method | MDL       | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD  | RPD Limit | Qual |
|---------------------------------------|--------|------------------|--------|-----------|-----------------|---------------|-------------------|------|----------|--------------|--------|-----------|------|
| <b>Lab Sample ID: 1402473-009EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/07/2014 2143h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Thallium                              | 0.192  | mg/L             | E200.8 | 0.000222  | 0.00200         | 0.2000        | 0.000727          | 95.4 | 75 - 125 | 0.192        | 0.0637 | 20        |      |
| <b>Lab Sample ID: 1402473-001EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/06/2014 1920h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.199  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 99.5 | 75 - 125 | 0.196        | 1.55   | 20        |      |
| Iron                                  | 1.12   | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.113             | 101  | 75 - 125 | 1.11         | 0.623  | 20        |      |
| Manganese                             | 0.367  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0.163             | 102  | 75 - 125 | 0.35         | 4.60   | 20        |      |
| Selenium                              | 0.207  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0                 | 103  | 75 - 125 | 0.203        | 1.81   | 20        |      |
| Uranium                               | 0.207  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.000996          | 103  | 75 - 125 | 0.201        | 3.07   | 20        |      |
| <b>Lab Sample ID: 1402473-009EMSD</b> |        |                  |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Analyzed:                        |        | 03/06/2014 2027h |        |           |                 |               |                   |      |          |              |        |           |      |
| Test Code:                            |        | 200.8-DIS        |        |           |                 |               |                   |      |          |              |        |           |      |
| Date Prepared:                        |        | 02/28/2014 1355h |        |           |                 |               |                   |      |          |              |        |           |      |
| Cadmium                               | 0.197  | mg/L             | E200.8 | 0.0000726 | 0.000500        | 0.2000        | 0                 | 98.3 | 75 - 125 | 0.194        | 1.49   | 20        |      |
| Iron                                  | 0.973  | mg/L             | E200.8 | 0.0472    | 0.100           | 1.000         | 0.0848            | 88.8 | 75 - 125 | 0.975        | 0.139  | 20        |      |
| Manganese                             | 0.193  | mg/L             | E200.8 | 0.00166   | 0.00200         | 0.2000        | 0                 | 96.4 | 75 - 125 | 0.198        | 2.63   | 20        |      |
| Selenium                              | 0.437  | mg/L             | E200.8 | 0.000686  | 0.00200         | 0.2000        | 0.249             | 94.2 | 75 - 125 | 0.431        | 1.31   | 20        |      |
| Uranium                               | 0.221  | mg/L             | E200.8 | 0.0000598 | 0.00200         | 0.2000        | 0.0223            | 99.6 | 75 - 125 | 0.222        | 0.451  | 20        |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** DUP

| Analyte                               | Result | Units | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|-------|---------|------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-001CDUP</b> |        |       |         |      |                 |               |                   |      |        |              |       |           |      |
| Date Analyzed: 02/28/2014 1400h       |        |       |         |      |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C                |        |       |         |      |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids                | 2,000  | mg/L  | SM2540C | 4.34 | 20.0            |               |                   |      |        | 1840         | 8.75  | 5         | @    |

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** LCS

| Analyte                          | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|----------------------------------|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID:</b> LCS-R65564 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 02/28/2014 1807h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W               |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride                         | 4.84   | mg/L  | E300.0       | 0.0623  | 0.100           | 5.000         | 0                 | 96.8 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65602 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/04/2014 1040h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC            |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride                         | 0.961  | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0                 | 96.1 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65631 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/04/2014 1801h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2       |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)           | 0.972  | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0                 | 97.2 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65655 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 03/05/2014 720h   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E        |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate                          | 1,020  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            | 1,000         | 0                 | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID:</b> LCS-R65625 |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Date Analyzed: 02/28/2014 1400h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: TDS-W-2540C           |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Total Dissolved Solids           | 200    | mg/L  | SM2540C      | 2.17    | 10.0            | 205.0         | 0                 | 97.6 | 80 - 120 |              |       |           |      |



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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MBLK

| Analyte   | Result  | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---------|-------|--------------|---------|-----------------|---------------|-------------------|------|--------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB-R65564</b> Date Analyzed: 02/28/2014 1745h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: 300.0-W  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Chloride  | < 0.100 | mg/L  | E300.0       | 0.0623  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65602</b> Date Analyzed: 03/04/2014 1040h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: F-W-4500FC   |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Fluoride  | < 0.100 | mg/L  | SM4500-F-C   | 0.0125  | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65631</b> Date Analyzed: 03/04/2014 1800h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: NO2/NO3-W-353.2                                      |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Nitrate/Nitrite (as N)  | < 0.100 | mg/L  | E353.2       | 0.00368 | 0.100           |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65655</b> Date Analyzed: 03/05/2014 720h  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: SO4-W-4500SO4E                                       |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Sulfate   | < 5.00  | mg/L  | SM4500-SO4-E | 2.71    | 5.00            |               |                   |      |        |              |       |           |      |
| <b>Lab Sample ID: MB-R65625</b> Date Analyzed: 02/28/2014 1400h |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Test Code: TDS-W-2540C  |         |       |              |         |                 |               |                   |      |        |              |       |           |      |
| Total Dissolved Solids  | < 10.0  | mg/L  | SM2540C      | 2.17    | 10.0            |               |                   |      |        |              |       |           |      |



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Kyle F. Gross  
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QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MS

| Analyte  | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-001BMS</b> Date Analyzed: 02/28/2014 2341h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride   | 279    | mg/L  | E300.0       | 3.12    | 5.00            | 250.0         | 30.8              | 99.4 | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402473-001BMS</b> Date Analyzed: 03/04/2014 1040h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride   | 1.52   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.483             | 104  | 80 - 120 |              |       |           |      |
| <b>Lab Sample ID: 1402473-003DMS</b> Date Analyzed: 03/04/2014 1822h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)   | 1.06   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.0429            | 102  | 90 - 110 |              |       |           |      |
| <b>Lab Sample ID: 1402473-001BMS</b> Date Analyzed: 03/05/2014 720h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate  | 2,270  | mg/L  | SM4500-SO4-E | 136     | 250             | 1,000         | 1150              | 112  | 80 - 120 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** WC  
**QC Type:** MSD

| Analyte   | Result | Units | Method       | MDL     | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|--------------|---------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/01/2014 004h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: 300.0-W  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Chloride  | 283    | mg/L  | E300.0       | 3.12    | 5.00            | 250.0         | 30.8              | 101  | 90 - 110 | 279          | 1.21  | 20        |      |
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/04/2014 1040h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: F-W-4500FC   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Fluoride  | 1.57   | mg/L  | SM4500-F-C   | 0.0125  | 0.100           | 1.000         | 0.483             | 109  | 80 - 120 | 1.52         | 3.24  | 10        |      |
| <b>Lab Sample ID: 1402473-003DMSD</b> Date Analyzed: 03/04/2014 1823h |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: NO2/NO3-W-353.2  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Nitrate/Nitrite (as N)  | 1.06   | mg/L  | E353.2       | 0.00368 | 0.100           | 1.000         | 0.0429            | 102  | 90 - 110 | 1.06         | 0.566 | 10        |      |
| <b>Lab Sample ID: 1402473-001BMSD</b> Date Analyzed: 03/05/2014 720h  |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Test Code: SO4-W-4500SO4E   |        |       |              |         |                 |               |                   |      |          |              |       |           |      |
| Sulfate   | 2,130  | mg/L  | SM4500-SO4-E | 136     | 250             | 1,000         | 1150              | 98.4 | 80 - 120 | 2270         | 5.97  | 10        |      |



463 West 3600 South  
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687  
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** LCS

| Analyte   | Result | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|--------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: LCS VOC-D 022814A</b> Date Analyzed: 02/28/2014 713h  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W   |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Methylene chloride  | 22.4   | µg/L  | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 112  | 32 - 185 |              |       |           |      |
| Tetrahydrofuran   | 13.3   | µg/L  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 66.3 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4   | 56.0   | µg/L  | SW8260C |       |                 | 50.00         |                   | 112  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene  | 48.3   | µg/L  | SW8260C |       |                 | 50.00         |                   | 96.7 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane  | 57.4   | µg/L  | SW8260C |       |                 | 50.00         |                   | 115  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8  | 50.9   | µg/L  | SW8260C |       |                 | 50.00         |                   | 102  | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: LCS VOC-D 030314A</b> Date Analyzed: 03/03/2014 1045h |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W   |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Chloroform  | 19.6   | µg/L  | SW8260C | 1.28  | 2.00            | 20.00         | 0                 | 98.2 | 67 - 132 |              |       |           |      |
| Methylene chloride  | 19.2   | µg/L  | SW8260C | 1.76  | 2.00            | 20.00         | 0                 | 96.2 | 32 - 185 |              |       |           |      |
| Tetrahydrofuran   | 19.3   | µg/L  | SW8260C | 0.567 | 2.00            | 20.00         | 0                 | 96.7 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4   | 50.2   | µg/L  | SW8260C |       |                 | 50.00         |                   | 100  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene  | 47.2   | µg/L  | SW8260C |       |                 | 50.00         |                   | 94.3 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane  | 49.3   | µg/L  | SW8260C |       |                 | 50.00         |                   | 98.7 | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8  | 47.9   | µg/L  | SW8260C |       |                 | 50.00         |                   | 95.9 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MBLK

| Analyte  | Result | Units | Method  | MDL   | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--|--------|-------|---------|-------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: MB VOC-D 022814A</b> Date Analyzed: 02/28/2014 751h  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Methylene chloride   | < 1.00 | µg/L  | SW8260C | 1.76  | 1.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran  | < 1.00 | µg/L  | SW8260C | 0.567 | 1.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4  | 57.1   | µg/L  | SW8260C |       |                 | 50.00         |                   | 114  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene   | 47.8   | µg/L  | SW8260C |       |                 | 50.00         |                   | 95.5 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane   | 56.3   | µg/L  | SW8260C |       |                 | 50.00         |                   | 113  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8   | 50.6   | µg/L  | SW8260C |       |                 | 50.00         |                   | 101  | 81 - 135 |              |       |           |      |
| <b>Lab Sample ID: MB VOC-D 030314A</b> Date Analyzed: 03/03/2014 1123h |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W  |        |       |         |       |                 |               |                   |      |          |              |       |           |      |
| Chloroform   | < 2.00 | µg/L  | SW8260C | 1.28  | 2.00            |               |                   |      |          |              |       |           |      |
| Methylene chloride   | < 2.00 | µg/L  | SW8260C | 1.76  | 2.00            |               |                   |      |          |              |       |           |      |
| Tetrahydrofuran  | < 2.00 | µg/L  | SW8260C | 0.567 | 2.00            |               |                   |      |          |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4  | 52.0   | µg/L  | SW8260C |       |                 | 50.00         |                   | 104  | 76 - 138 |              |       |           |      |
| Surr: 4-Bromofluorobenzene   | 49.5   | µg/L  | SW8260C |       |                 | 50.00         |                   | 99.1 | 77 - 121 |              |       |           |      |
| Surr: Dibromofluoromethane   | 50.4   | µg/L  | SW8260C |       |                 | 50.00         |                   | 101  | 67 - 128 |              |       |           |      |
| Surr: Toluene-d8   | 49.1   | µg/L  | SW8260C |       |                 | 50.00         |                   | 98.2 | 81 - 135 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MS

| Analyte                              | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|--------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-004AMS</b> |        | Date Analyzed: 03/03/2014 1317h |         |      |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                    |        |                                 |         |      |                 |               |                   |      |          |              |       |           |      |
| Chloroform                           | 3,910  | µg/L                            | SW8260C | 64.0 | 100             | 1,000         | 2810              | 110  | 50 - 146 |              |       |           |      |
| Methylene chloride                   | 1,070  | µg/L                            | SW8260C | 88.0 | 100             | 1,000         | 25.8              | 105  | 30 - 192 |              |       |           |      |
| Tetrahydrofuran                      | 957    | µg/L                            | SW8260C | 28.4 | 100             | 1,000         | 0                 | 95.7 | 43 - 146 |              |       |           |      |
| Surr: 1,2-Dichloroethane-d4          | 2,610  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 104  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene           | 2,380  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 95.2 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane           | 2,520  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 101  | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                     | 2,390  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 95.7 | 77 - 129 |              |       |           |      |



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## QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.  
**Lab Set ID:** 1402473A  
**Project:** 1st Quarter Ground Water 2014

**Contact:** Garrin Palmer  
**Dept:** MSVOA  
**QC Type:** MSD

| Analyte                               | Result | Units                           | Method  | MDL  | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits   | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---------------------------------------|--------|---------------------------------|---------|------|-----------------|---------------|-------------------|------|----------|--------------|-------|-----------|------|
| <b>Lab Sample ID: 1402473-004AMSD</b> |        | Date Analyzed: 03/03/2014 1336h |         |      |                 |               |                   |      |          |              |       |           |      |
| Test Code: 8260-W                     |        |                                 |         |      |                 |               |                   |      |          |              |       |           |      |
| Chloroform                            | 3,810  | µg/L                            | SW8260C | 64.0 | 100             | 1,000         | 2810              | 100  | 50 - 146 | 3910         | 2.58  | 25        |      |
| Methylene chloride                    | 1,040  | µg/L                            | SW8260C | 88.0 | 100             | 1,000         | 25.8              | 102  | 30 - 192 | 1070         | 2.83  | 25        |      |
| Tetrahydrofuran                       | 933    | µg/L                            | SW8260C | 28.4 | 100             | 1,000         | 0                 | 93.3 | 43 - 146 | 957          | 2.54  | 25        |      |
| Surr: 1,2-Dichloroethane-d4           | 2,560  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 103  | 72 - 151 |              |       |           |      |
| Surr: 4-Bromofluorobenzene            | 2,330  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 93.3 | 80 - 128 |              |       |           |      |
| Surr: Dibromofluoromethane            | 2,480  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 99.2 | 80 - 124 |              |       |           |      |
| Surr: Toluene-d8                      | 2,370  | µg/L                            | SW8260C |      |                 | 2,500         |                   | 94.6 | 77 - 129 |              |       |           |      |

# American West Analytical Laboratories

**REVISED:** 3/3/2014

UL  
Denison

1402473A reports samples -001, -003, -004, -005, -008  
& -010. VOC analyte list updated for -004 & -010. MH

## WORK ORDER Summary

Work Order: **1402473A** Page 1 of 3

**Client:** Energy Fuels Resources, Inc.

Due Date: 3/11/2014

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** 1st Quarter Ground Water 2014

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for dissolved metals have been field filtered. Run Fe by 200.8 for necessary reporting limits. / 3-3-14 per instructions from Kathy Weinel, -007 & -009 are cancelled; the VOC analyte list is updated for -004 & -010; Report samples -001, -003, -004, -005, -008 & -010 as 1402473A and samples -002, -006, -011, -012 & -013 as 1402473B.;

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1402473-001A | MW-11_02242014   | 2/24/2014 1130h | 2/28/2014 0927h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402473-001B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-001C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402473-001D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |
| 1402473-001E |                  |                 |                 | 200.8-DIS   |         | <input checked="" type="checkbox"/> | df-mct             |   |
|              |                  |                 |                 | <i>6 SEL Analytes: CD FE MN SE TL U</i>                           |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-mct             |   |
| 1402473-002A | MW-03_02262014   | 2/26/2014 1300h | 2/28/2014 0927h | 200.8-DIS   | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: SE</i>   |         |                                     |                    |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met       |   |
| 1402473-002B |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df / wc            |   |
| 1402473-003A | MW-14_02242014   | 2/24/2014 0930h | 2/28/2014 0927h | 8260-W  | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
|              |                  |                 |                 | <i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> |         |                                     |                    |   |
| 1402473-003B |                  |                 |                 | 300.0-W   |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | <i>1 SEL Analytes: CL</i>   |         |                                     |                    |   |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-003C |                  |                 |                 | TDS-W-2540C   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
|              |                  |                 |                 | <i>1 SEL Analytes: TDS</i>  |         |                                     |                    |   |
| 1402473-003D |                  |                 |                 | NO2/NO3-W-353.2   |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
|              |                  |                 |                 | <i>1 SEL Analytes: NO3NO2N</i>                                    |         |                                     |                    |   |

# WORK ORDER Summary

Work Order: **1402473A** Page 2 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 3/11/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code   | Matrix  | Sel                                 | Storage            |   |
|--------------|------------------|-----------------|-----------------|---|---------|-------------------------------------|--------------------|---|
| 1402473-003E | MW-14_02242014   | 2/24/2014 0930h | 2/28/2014 0927h | 200.8-DIS<br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        | Aqueous | <input checked="" type="checkbox"/> | df-met             | 1 |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
| 1402473-004A | MW-26_02242014   | 2/24/2014 1435h | 2/28/2014 0927h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 3 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-004B |                  |                 |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-004C |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
| 1402473-004D |                  |                 |                 | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
| 1402473-004E |                  |                 |                 | 200.8-DIS<br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
| 1402473-005A | MW-30_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-005B |                  |                 |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |
| 1402473-005C |                  |                 |                 | TDS-W-2540C<br><i>1 SEL Analytes: TDS</i>                                   |         | <input checked="" type="checkbox"/> | ww - tds           |   |
| 1402473-005D |                  |                 |                 | NO2/NO3-W-353.2<br><i>1 SEL Analytes: NO3NO2N</i>                           |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |
| 1402473-005E |                  |                 |                 | 200.8-DIS<br><i>6 SEL Analytes: CD FE MN SE TL U</i>                        |         | <input checked="" type="checkbox"/> | df-met             |   |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input checked="" type="checkbox"/> | df-met             |   |
| 1402473-006A | MW-15_02252014   | 2/25/2014 1540h | 2/28/2014 0927h | 200.8-DIS<br><i>2 SEL Analytes: FE SE</i>                                   | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |
|              |                  |                 |                 | 200.8-DIS-PR  |         | <input type="checkbox"/>            | df / dis met       |   |
| 1402473-007A | MW-36_02262014   | 2/26/2014 0815h | 2/28/2014 0927h |   | Aqueous | <input type="checkbox"/>            | sample cancelled   | 1 |
| 1402473-008A | MW-65_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | 8260-W<br><i>Test Group: 8260-W-Custom; # of Analytes: 1 / # of Surr: 4</i> | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |
| 1402473-008B |                  |                 |                 | 300.0-W<br><i>1 SEL Analytes: CL</i>  |         | <input checked="" type="checkbox"/> | df - wc            | 1 |
|              |                  |                 |                 | F-W-4500FC  |         | <input type="checkbox"/>            | df - wc            |   |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df - wc            |   |

# WORK ORDER Summary

Work Order: **1402473A** Page 3 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 3/11/2014

| Sample ID    | Client Sample ID | Collected Date  | Received Date   | Test Code       | Matrix  | Sel                                 | Storage            |   |  |  |
|--------------|------------------|-----------------|-----------------|-----------------|---------|-------------------------------------|--------------------|---|--|--|
| 1402473-008C | MW-65_02252014   | 2/25/2014 1030h | 2/28/2014 0927h | TDS-W-2540C     | Aqueous | <input checked="" type="checkbox"/> | ww - tds           | 1 |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-008D |                  |                 |                 | NO2/NO3-W-353.2 |         | <input checked="" type="checkbox"/> | df - no2/no3 & nh3 |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-008E |                  |                 |                 | 200.8-DIS       |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 | 200.8-DIS-PR    |         | <input checked="" type="checkbox"/> | df-met             |   |  |  |
| 1402473-009A | MW-70_02262014   | 2/26/2014 0815h | 2/28/2014 0927h |                 | Aqueous | <input type="checkbox"/>            | sample cancelled   | 1 |  |  |
| 1402473-010A | Trip Blank       | 2/24/2014       | 2/28/2014 0927h | 8260-W          | Aqueous | <input checked="" type="checkbox"/> | VOCFridge          | 3 |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-011A | MW-27_02252014   | 2/25/2014 1140h | 2/28/2014 0927h | NO2/NO3-W-353.2 | Aqueous | <input checked="" type="checkbox"/> | df / no2/no3       | 1 |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-011B |                  |                 |                 | 300.0-W         |         | <input checked="" type="checkbox"/> | df / wc            |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 | SO4-W-4500SO4E  |         | <input type="checkbox"/>            | df / wc            |   |  |  |
| 1402473-011C |                  |                 |                 | TDS-W-2540C     |         | <input checked="" type="checkbox"/> | ww - tds           |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-012A | MW-28_02262014   | 2/26/2014 1020h | 2/28/2014 0927h | 200.8-DIS       | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-012B |                  |                 |                 | 200.8-DIS-PR    |         | <input type="checkbox"/>            | df / dis met       |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 | 300.0-W         |         | <input checked="" type="checkbox"/> | df / wc            |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-013A | MW-29_02252014   | 2/25/2014 1325h | 2/28/2014 0927h | 200.8-DIS       | Aqueous | <input checked="" type="checkbox"/> | df / dis met       | 1 |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
| 1402473-013B |                  |                 |                 | 200.8-DIS-PR    |         | <input type="checkbox"/>            | df / dis met       |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |
|              |                  |                 |                 | TDS-W-2540C     |         | <input checked="" type="checkbox"/> | df / wc            |   |  |  |
|              |                  |                 |                 |                 |         |                                     |                    |   |  |  |



Sample Set: 1402473

Preservation Check Sheet

Sample Set Extension and pH

| Bottle Type                       | Preservative                         | All OK | Except |  |
|-----------------------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|                                   |                                      |        | -001   | -002   | -003   | -004   | -005   | -006   | -007   | -008   | -009   | -011   | -012   |        |        |        |        |  |
| Ammonia                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| COD                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Cyanide                           | pH >12 NaOH                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Metals                            | pH <2 HNO <sub>3</sub>               |        | yes    |        |        |        |  |
| NO <sub>2</sub> & NO <sub>3</sub> | pH <2 H <sub>2</sub> SO <sub>4</sub> |        | yes    |        | yes    | yes    | yes    |        | yes    | yes    | yes    |        |        |        |        |        |        |  |
| Nutrients                         | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| O & G                             | pH <2 HCL                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Phenols                           | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| Sulfide                           | pH > 9NaOH,<br>Zn Acetate            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TKN                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TOC                               | pH <2 H <sub>3</sub> PO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TOX                               | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| T PO <sub>4</sub>                 | pH <2 H <sub>2</sub> SO <sub>4</sub> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
| TPH                               | pH <2 HCL                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |
|                                   |                                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |

ae 2/28/14

- Procedure:
- 1) Pour a small amount of sample in the sample lid
  - 2) Pour sample from Lid gently over wide range pH paper
  - 3) **Do Not** dip the pH paper in the sample bottle or lid
  - 4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
  - 5) Flag COC, notify client if requested
  - 6) Place client conversation on COC
  - 7) Samples may be adjusted

Frequency: All samples requiring preservation



March 21, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 343800

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 28, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 343800**

**March 21, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 28, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <b><u>Laboratory ID</u></b> | <b><u>Client ID</u></b> |
|-----------------------------|-------------------------|
| 343800001                   | MW-27_02252014          |
| 343800002                   | MW-11_02242014          |
| 343800003                   | MW-14_02242014          |
| 343800004                   | MW-26_02242014          |
| 343800005                   | MW-30_02252014          |
| 343800006                   | MW-36_02262014          |
| 343800007                   | MW-65_02252014          |
| 343800008                   | MW-70_02262014          |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



# CHAIN OF CUSTODY

Samples Shipped to:

Gel Laboratories  
2040 Savage Road  
Charleston, SC 29407

Contact: Garrin Palmer  
Ph: 435 678 4115  
gpalmer@energyfuels.com

343800

## Chain of Custody/Sampling Analysis Request

| Project  | Samplers Name                  |  | Samplers Signature            |
|--|--------------------------------|--|-------------------------------|
| Quarter<br>1ST Ground Water 2014               | Tanner Holliday                |  | Tanner Holliday               |
| Sample ID                                      | Date Collected                 | Time Collected                         | Laboratory Analysis Requested |
| MW-27 02252014                                 | 2/25/2014                      | 1140                                   | Gross Alpha                   |
| MW-11 02242014                                 | 2/24/2014                      | 1130                                   | Gross Alpha                   |
| MW-14 02242014                                 | 2/24/2014                      | 930                                    | Gross Alpha                   |
| MW-26 02242014                                 | 2/24/2014                      | 1435                                   | Gross Alpha                   |
| MW-30 02252014                                 | 2/25/2014                      | 1030                                   | Gross Alpha                   |
| MW-36 02262014                                 | 2/26/2014                      | 815                                    | Gross Alpha                   |
| MW-65 02252014                                 | 2/25/2014                      | 1030                                   | Gross Alpha                   |
| MW-70 02262014                                 | 2/26/2014                      | 815                                    | Gross Alpha                   |
| Comments:                                      |                                |  |                               |
| Relinquished By:(Signature)<br>Tanner Holliday | Date/Time<br>2/27/2014<br>1000 | Received By:(Signature)<br>P. K. Lovel | Date/Time<br>2-28-14<br>10:30 |
| Relinquished By:(Signature)                    | Date/Time                      | Received By:(Signature)                | Date/Time                     |



SAMPLE RECEIPT & REVIEW FORM

|  |  |  |
|--|--|--|
| Client: <u>DNMI</u>  |  | SDG/AR/COC/Work Order: <u>34380</u>  |
| Received By: <u>P. Went</u>  |  | Date Received: <u>02/28/14</u>   |
| Suspected Hazard Information   | Yes No   | *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. |
| COC/Samples marked as radioactive?                                       | <input type="checkbox"/> <input checked="" type="checkbox"/> | Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0 cpm</u>                                      |
| Classified Radioactive II or III by RSO?                                 | <input type="checkbox"/> <input checked="" type="checkbox"/> | If yes, Were swipes taken of sample containers < action levels?  |
| COC/Samples marked containing PCBs?                                      | <input type="checkbox"/> <input checked="" type="checkbox"/> |  |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? | <input type="checkbox"/> <input checked="" type="checkbox"/> | If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.                     |
| Shipped as a DOT Hazardous?  | <input type="checkbox"/> <input checked="" type="checkbox"/> | Hazard Class Shipped: UN#:   |
| Samples identified as Foreign Soil?                                      | <input type="checkbox"/> <input checked="" type="checkbox"/> |  |

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)<br><u>15c</u>                    |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> |                                     |                                     | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable): <u>130462966</u>                  |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)                                  |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   |                                     |                                     | <input checked="" type="checkbox"/> | Sample ID's affected:<br><u>Lab rec'd (1) Container Per ID.</u>  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 14 Carrier and tracking number.                                   | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>FedEx Air FedEx Ground UPS Field Services Courier Other<br><u>1</u><br><u>8030 3446 7136-15c</u>   |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 21-MAR-14  
 Work Order: 343800  
 Page 1 of 2

GEL Work Order/SDG: 343800      1st Quarter GW 2014  
 Client SDG: 343800  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 28-MAR-14  
 Package Due Date: 25-MAR-14  
 EDD Due Date: 28-MAR-14  
 Due Date: 28-MAR-14  
 HXS1

Collector: C  
 Prelogin #: 20140213802  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 343800001 | MW-27_02252014   |                     | 25-FEB-14 11:40     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800002 | MW-11_02242014   |                     | 24-FEB-14 11:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800003 | MW-14_02242014   |                     | 24-FEB-14 09:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800004 | MW-26_02242014   |                     | 24-FEB-14 14:35     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800005 | MW-30_02252014   |                     | 25-FEB-14 10:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800006 | MW-36_02262014   |                     | 26-FEB-14 08:15     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800007 | MW-65_02252014   |                     | 25-FEB-14 10:30     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343800008 | MW-70_02262014   |                     | 26-FEB-14 08:15     | 28-FEB-14 09:10     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data           | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|--------------------|---------------|
| -001 MW-27_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -002 MW-11_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -003 MW-14_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -004 MW-26_02242014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -005 MW-30_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -006 MW-36_02262014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -007 MW-65_02252014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |
| -008 MW-70_02262014 | REVV   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             | Temperature (C) 15 |               |

# GEL Laboratories LLC – Login Review Report

Report Date: 21-MAR-14  
 Work Order: 343800  
 Page 2 of 2

Product: GFCTORAL    Workdef ID: 1297250    In Product Group? No    Group Name:    Group Reference:  
 Method: EPA 900.1 Modified    Path: Standard  
 Product Description: GFPC, Total Alpha Radium, Liquid    Product Reference: Gross Alpha  
 Samples: 001, 002, 003, 004, 005, 006, 007, 008    Moisture Correction: "As Received"  
 Parmname Check: All parmnames scheduled properly

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

| Action           | Product Name | Description | Samples |
|------------------|--------------|-------------|---------|
| Contingent Tests |              |             |         |

| Requirement | Include? | Comments |
|-------------|----------|----------|
|             |          |          |

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 343800**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1370170

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 343800001        | MW-27_02252014   |
| 343800002        | MW-11_02242014   |
| 343800003        | MW-14_02242014   |
| 343800004        | MW-26_02242014   |
| 343800005        | MW-30_02252014   |
| 343800006        | MW-36_02262014   |
| 343800007        | MW-65_02252014   |
| 343800008        | MW-70_02262014   |
| 1203044547       | Method Blank (MB)                                      |
| 1203044548       | 343800008(MW-70_02262014) Sample Duplicate (DUP)       |
| 1203044549       | 343800008(MW-70_02262014) Matrix Spike (MS)            |
| 1203044550       | 343800008(MW-70_02262014) Matrix Spike Duplicate (MSD) |
| 1203044551       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

### **Quality Control (QC) Information:**

#### **Blank Information**

The blank volume is representative of the sample volume in this batch.

#### **Designated QC**

The following sample was used for QC: 343800008 (MW-70\_02262014).

#### **QC Information**

All of the QC samples meet the required acceptance limits with the following exceptions: The blank result 1203044547 (MB) is greater than the MDC but less than the required detection limit.

### **Technical Information:**

#### **Holding Time**

All sample procedures for this sample set were performed within the required holding time.

#### **Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

#### **Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

#### **Recounts**

Samples 1203044549 (MW-70\_02262014) and 1203044551 (LCS) were recounted due to low recovery. The recounts are reported. Sample 1203044547 (MB) was recounted to decrease uncertainty. The recount is reported.

### **Miscellaneous Information:**

#### **Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

#### **Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

#### **Additional Comments**

The matrix spike and matrix spike duplicate, 1203044549 (MW-70\_02262014) and 1203044550 (MW-70\_02262014), aliquots were reduced to conserve sample volume.

#### **Qualifier Information**

Manual qualifiers were not required.

### **Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 343800 GEL Work Order: 343800

**The Qualifiers in this report are defined as follows:**

\* A quality control analyte recovery is outside of specified acceptance criteria

\*\* Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 11 MAR 2014

Title: Analyst II

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: March 11, 2014

Page 1 of 2

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact: Ms. Kathy Weinel**

**Workorder: 343800**

| Parmname            | NOM         | Sample   | Qual | QC        | Units | RPD%  | REC% | Range      | Anlst | Date     | Time  |
|---------------------|-------------|----------|------|-----------|-------|-------|------|------------|-------|----------|-------|
| <b>Rad Gas Flow</b> |             |          |      |           |       |       |      |            |       |          |       |
| Batch               | 1370170     |          |      |           |       |       |      |            |       |          |       |
| QC1203044548        | 343800008   | DUP      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             | 2.76     |      | 2.75      | pCi/L | 0.181 |      | (0%-20%)   | CXP3  | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-0.188  |       |       |      |            |       |          |       |
| QC1203044551        | LCS         |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 555         |          |      | 431       | pCi/L |       | 77.7 | (75%-125%) |       | 03/10/14 | 16:15 |
|                     | Uncertainty |          |      | +/-4.82   |       |       |      |            |       |          |       |
| QC1203044547        | MB          |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             |          | U    | 0.356     | pCi/L |       |      |            |       | 03/10/14 | 16:16 |
|                     | Uncertainty |          |      | +/-0.0515 |       |       |      |            |       |          |       |
| QC1203044549        | 343800008   | MS       |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 949       | pCi/L |       | 84.9 | (75%-125%) |       | 03/10/14 | 08:15 |
|                     | Uncertainty | +/-0.205 |      | +/-10.3   |       |       |      |            |       |          |       |
| QC1203044550        | 343800008   | MSD      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 860       | pCi/L | 9.92  | 76.9 | (0%-20%)   |       | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-11.9   |       |       |      |            |       |          |       |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 343800

Page 2 of 2

| Parname | NOM  | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|---------|--|-------------|----|-------|------|------|-------|-------|------|------|
| NJ      | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |             |    |       |      |      |       |       |      |      |
| Q       | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |             |    |       |      |      |       |       |      |      |
| R       | Sample results are rejected  |             |    |       |      |      |       |       |      |      |
| U       | Analyte was analyzed for, but not detected above the CRDL.   |             |    |       |      |      |       |       |      |      |
| UI      | Gamma Spectroscopy--Uncertain identification   |             |    |       |      |      |       |       |      |      |
| UJ      | Gamma Spectroscopy--Uncertain identification   |             |    |       |      |      |       |       |      |      |
| UL      | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |             |    |       |      |      |       |       |      |      |
| X       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |             |    |       |      |      |       |       |      |      |
| Y       | QC Samples were not spiked with this compound  |             |    |       |      |      |       |       |      |      |
| ^       | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |             |    |       |      |      |       |       |      |      |
| h       | Preparation or preservation holding time was exceeded  |             |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



Laboratories LLC

a member of **The GEL Group** INC



PO Box 30712 Charleston, SC 29417  
2040 Savage Road Charleston, SC 29407

**P 843.556.8171 F 843.766.1178**

[www.gel.com](http://www.gel.com)

March 18, 2014

Ms. Kathy Weinel  
Energy Fuels Resources (USA), Inc.  
225 Union Boulevard  
Suite 600  
Lakewood, Colorado 80228

Re: White Mesa Mill GW  
Work Order: 343541

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2014. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4505.

Sincerely,

Heather Shaffer  
Project Manager

Purchase Order: DW16138  
Enclosures



**Receipt Narrative  
for  
Energy Fuels Resources (USA), Inc.  
SDG: 343541**

**March 18, 2014**

**Laboratory Identification:**

GEL Laboratories LLC  
2040 Savage Road  
Charleston, South Carolina 29407  
(843) 556-8171

**Summary:**

**Sample receipt:** The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 25, 2014 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

**Sample Identification:** The laboratory received the following samples:

| <b><u>Laboratory ID</u></b> | <b><u>Client ID</u></b> |
|-----------------------------|-------------------------|
| 343541001                   | MW-19_02182014          |
| 343541002                   | MW-32_02112014          |
| 343541003                   | MW-25_02132014          |
| 343541004                   | MW-31_02172014          |
| 343541005                   | MW-35_02112014          |

**Case Narrative:**

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

*Heather Shaffer*

Heather Shaffer  
Project Manager



343541

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories Contact: Garrin Palmer  
2040 Savage Road Ph: 435 678 4115  
Charleston, SC 29407 gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

| Project                     | Samplers Name     |                         | Samplers Signature            |
|-----------------------------|-------------------|-------------------------|-------------------------------|
| 1st Quarter GW 2014         | Tanner Holiday    |                         | <i>Tanner Holiday</i>         |
| Sample ID                   | Date Collected    | Time Collected          | Laboratory Analysis Requested |
| MW-19 02182014              | 2/18/2014         | 1600                    | Gross Alpha                   |
| MW-32 02112014              | 2/11/2014         | 1235                    | Gross Alpha                   |
| MW-25 02132014              | 2/13/2014         | 1405                    | Gross Alpha                   |
| MW-31 02172014              | 2/17/2014         | 1305                    | Gross Alpha                   |
| MW-35 02112014              | 2/11/2014         | 1405                    | Gross Alpha                   |
| Comments:                   |                   |                         |                               |
| Relinquished By:(Signature) | Date/Time         | Received By:(Signature) | Date/Time                     |
| <i>Tanner Holiday</i>       | 2/20/2014<br>1100 | <i>P. Palmer</i>        | 2/20/2014<br>09:00            |
| Relinquished By:(Signature) | Date/Time         | Received By:(Signature) | Date/Time                     |



SAMPLE RECEIPT & REVIEW FORM

|  |     |                                     |
|--|-----|-------------------------------------|
| Client: <u>D N M I</u>   |     | SDG/AR/COC/Work Order: <u>34541</u> |
| Received By: <u>P. Klent</u>   |     | Date Received: <u>2/25/14</u>       |
| Suspected Hazard Information   | Yes | No                                  |
| COC/Samples marked as radioactive?                                       |     | <input checked="" type="checkbox"/> |
| Classified Radioactive II or III by RSO?                                 |     | <input checked="" type="checkbox"/> |
| COC/Samples marked containing PCBs?                                      |     | <input checked="" type="checkbox"/> |
| Package, COC, and/or Samples marked as beryllium or asbestos containing? |     | <input checked="" type="checkbox"/> |
| Shipped as a DOT Hazardous?  |     | <input checked="" type="checkbox"/> |
| Samples identified as Foreign Soil?                                      |     | <input checked="" type="checkbox"/> |

\*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.

Maximum Net Counts Observed\* (Observed Counts - Area Background Counts): 0CPM

If yes, Were swipes taken of sample containers < action levels?

If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.

Hazard Class Shipped: UN#:

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)  |
| 2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*     |                                     |                                     | <input checked="" type="checkbox"/> | Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe)<br>*all temperatures are recorded in Celsius         |
| 2a Daily check performed and passed on IR temperature gun?        | <input checked="" type="checkbox"/> |                                     |                                     | Temperature Device Serial #:<br>Secondary Temperature Device Serial # (If Applicable): <u>130462966</u>                          |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>Seals broken Damaged container Leaking container Other (describe)  |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 12 Are sample containers identifiable as GEL provided?            | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 13 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 14 Carrier and tracking number.                                   |                                     |                                     |                                     | Circle Applicable:<br>FedEx Air <u>          </u> FedEx Ground UPS Field Services Courier Other<br><br><u>8030 3446 6986-19c</u> |

Comments (Use Continuation Form if needed):

# GEL Laboratories LLC – Login Review Report

Report Date: 18-MAR-14  
 Work Order: 343541  
 Page 1 of 2

GEL Work Order/SDG: 343541      1st Quarter GW 2014  
 Client SDG: 343541  
 Project Manager: Heather Shaffer  
 Project Name: DNMI00100 White Mesa Mill GW  
 Purchase Order: DW16138  
 Package Level: LEVEL3  
 EDD Format: EIM\_DNMI

Work Order Due Date: 25-MAR-14  
 Package Due Date: 22-MAR-14  
 EDD Due Date: 25-MAR-14  
 Due Date: 25-MAR-14  
 HXS1

Collector: C  
 Prelogin #: 20140213639  
 Project Workdef ID: 1294356  
 SDG Status: Closed  
 Logged by:

| GEL ID    | Client Sample ID | Client Sample Desc. | Collect Date & Time | Receive Date & Time | Time Zone | # of Cont. | Lab Matrix   | Fax Due Date | Days to Process | CofC # | Prelog Group | Lab QC | Field QC |
|-----------|------------------|---------------------|---------------------|---------------------|-----------|------------|--------------|--------------|-----------------|--------|--------------|--------|----------|
| 343541001 | MW-19_02182014   |                     | 18-FEB-14 16:00     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541002 | MW-32_02112014   |                     | 11-FEB-14 12:35     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541003 | MW-25_02132014   |                     | 13-FEB-14 14:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541004 | MW-31_02172014   |                     | 17-FEB-14 13:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |
| 343541005 | MW-35_02112014   |                     | 11-FEB-14 14:05     | 25-FEB-14 09:00     | -2        | 1          | GROUND WATER |              | 20              |        | 1            |        |          |

| Client Sample ID    | Status | Tests/Methods                    | Product Reference | Fax Date | PM Comments | Aux Data | Receive Codes |
|---------------------|--------|----------------------------------|-------------------|----------|-------------|----------|---------------|
| -001 MW-19_02182014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -002 MW-32_02112014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -003 MW-25_02132014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -004 MW-31_02172014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |
| -005 MW-35_02112014 | REVW   | GFPC, Total Alpha Radium, Liquid | Gross Alpha       |          |             |          |               |

Product: GFCTORAL      Workdef ID: 1297250      In Product Group? No      Group Name:      Group Reference:  
 Method: EPA 900.1 Modified      Path: Standard  
 Product Description: GFPC, Total Alpha Radium, Liquid      Product Reference: Gross Alpha  
 Samples: 001, 002, 003, 004, 005      Moisture Correction: "As Received"  
 Parmname Check: All parmnames scheduled properly

| CAS # | Parmname           | Client RDL or PQL & Unit | Reporting Units | Parm Function | Included in Sample? | Included in QC? | Custom List? |
|-------|--------------------|--------------------------|-----------------|---------------|---------------------|-----------------|--------------|
|       | Gross Radium Alpha | 1                        | pCi/L           | REG           | Y                   | Y               | Yes          |

# GEL Laboratories LLC – Login Review Report

Report Date: 18-MAR-14  
Work Order: 343541  
Page 2 of 2

| Action | Product Name | Description | Samples |
|--------|--------------|-------------|---------|
|--------|--------------|-------------|---------|

Contingent  
Tests

## Login Requirements:

| Requirement | Include? | Comments |
|-------------|----------|----------|
|-------------|----------|----------|

Peer Review by: \_\_\_\_\_ Work Order (SDG#), PO# Checked? \_\_\_\_\_ C of C signed in receiver location? \_\_\_\_\_

**Radiochemistry Case Narrative  
Energy Fuels Resources (DNMI)  
SDG 343541**

**Method/Analysis Information**

**Product:** GFPC, Total Alpha Radium, Liquid  
**Analytical Method:** EPA 900.1 Modified  
**Analytical Batch Number:** 1370170

| <b>Sample ID</b> | <b>Client ID</b>                                       |
|------------------|--|
| 343541001        | MW-19_02182014   |
| 343541002        | MW-32_02112014   |
| 343541003        | MW-25_02132014   |
| 343541004        | MW-31_02172014   |
| 343541005        | MW-35_02112014   |
| 1203044547       | Method Blank (MB)                                      |
| 1203044548       | 343800008(MW-70_02262014) Sample Duplicate (DUP)       |
| 1203044549       | 343800008(MW-70_02262014) Matrix Spike (MS)            |
| 1203044550       | 343800008(MW-70_02262014) Matrix Spike Duplicate (MSD) |
| 1203044551       | Laboratory Control Sample (LCS)                        |

The samples in this SDG were analyzed on an "as received" basis.

**SOP Reference**

Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

**Calibration Information:**

**Calibration Information**

All initial and continuing calibration requirements have been met.

**Standards Information**

Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

**Sample Geometry**

All counting sources were prepared in the same geometry as the calibration standards.

**Quality Control (QC) Information:**

**Blank Information**

The blank volume is representative of the sample volume in this batch.

**Designated QC**

The following sample was used for QC: 343800008 (MW-70\_02262014).

**QC Information**

All of the QC samples meet the required acceptance limits with the following exceptions: The blank result 1203044547 (MB) is greater than the MDC but less than the required detection limit.

**Technical Information:**

**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

**Sample Re-prep/Re-analysis**

None of the samples in this sample set required reprep or reanalysis.

**Chemical Recoveries**

All chemical recoveries meet the required acceptance limits for this sample set.

**Recounts**

Samples 1203044549 (MW-70\_02262014) and 1203044551 (LCS) were recounted due to low recovery. The recounts are reported. Samples 1203044547 (MB) and 343541004 (MW-31\_02172014) were recounted to decrease uncertainty. The recounts are reported.

**Miscellaneous Information:**

**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

**Sample-Specific MDA/MDC**

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

**Additional Comments**

The matrix spike and matrix spike duplicate, 1203044549 (MW-70\_02262014) and 1203044550 (MW-70\_02262014), aliquots were reduced to conserve sample volume.

**Qualifier Information**

Manual qualifiers were not required.

**Certification Statement**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 343541 GEL Work Order: 343541

**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

**Review/Validation**

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

**Signature:**



**Name: Kate Gellatly**

**Date: 11 MAR 2014**

**Title: Analyst I**

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: March 11, 2014

Page 1 of 2

**Energy Fuels Resources (USA), Inc.**  
**225 Union Boulevard**  
**Suite 600**  
**Lakewood, Colorado**

**Contact:** Ms. Kathy Weinel

**Workorder:** 343541

| Parmname            | NOM         | Sample   | Qual | QC        | Units | RPD%  | REC% | Range      | Anlst | Date     | Time  |
|---------------------|-------------|----------|------|-----------|-------|-------|------|------------|-------|----------|-------|
| <b>Rad Gas Flow</b> |             |          |      |           |       |       |      |            |       |          |       |
| Batch               | 1370170     |          |      |           |       |       |      |            |       |          |       |
| QC1203044548        | 343800008   | DUP      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             | 2.76     |      | 2.75      | pCi/L | 0.181 |      | (0%-20%)   | CXP3  | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-0.188  |       |       |      |            |       |          |       |
| QC1203044551        | LCS         |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 555         |          |      | 431       | pCi/L |       | 77.7 | (75%-125%) |       | 03/10/14 | 16:15 |
|                     | Uncertainty |          |      | +/-4.82   |       |       |      |            |       |          |       |
| QC1203044547        | MB          |          |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  |             |          | U    | 0.356     | pCi/L |       |      |            |       | 03/10/14 | 16:16 |
|                     | Uncertainty |          |      | +/-0.0515 |       |       |      |            |       |          |       |
| QC1203044549        | 343800008   | MS       |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 949       | pCi/L |       | 84.9 | (75%-125%) |       | 03/10/14 | 08:15 |
|                     | Uncertainty | +/-0.205 |      | +/-10.3   |       |       |      |            |       |          |       |
| QC1203044550        | 343800008   | MSD      |      |           |       |       |      |            |       |          |       |
| Gross Radium Alpha  | 1110        | 2.76     |      | 860       | pCi/L | 9.92  | 76.9 | (0%-20%)   |       | 03/07/14 | 15:23 |
|                     | Uncertainty | +/-0.205 |      | +/-11.9   |       |       |      |            |       |          |       |

**Notes:**

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Workorder: 343541

Page 2 of 2

| Parmname | NOM | Sample   | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|-----|--|------|----|-------|------|------|-------|-------|------|------|
| NJ       |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Q        |     | One or more quality control criteria have not been met. Refer to the applicable narrative or DER.                              |      |    |       |      |      |       |       |      |      |
| R        |     | Sample results are rejected  |      |    |       |      |      |       |       |      |      |
| U        |     | Analyte was analyzed for, but not detected above the CRDL.   |      |    |       |      |      |       |       |      |      |
| UI       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UJ       |     | Gamma Spectroscopy--Uncertain identification   |      |    |       |      |      |       |       |      |      |
| UL       |     | Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.       |      |    |       |      |      |       |       |      |      |
| X        |     | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |      |    |       |      |      |       |       |      |      |
| Y        |     | QC Samples were not spiked with this compound  |      |    |       |      |      |       |       |      |      |
| ^        |     | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |      |    |       |      |      |       |       |      |      |
| h        |     | Preparation or preservation holding time was exceeded  |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Routine Field Data QA/QC Evaluation

| Well           | Sample Date | Time Req'd for 2 Casings | Time Pumped (min) | Amount Sufficient? | Conductance |      | RPD(%) | pH   |      | RPD(%) | Temp (°C) |       | RPD(%) | Redox Potential (Eh) |     | RPD(%) | Turbidity (NTU) |     | >5 NTU | RPD(%) |
|----------------|-------------|--------------------------|-------------------|--------------------|-------------|------|--------|------|------|--------|-----------|-------|--------|----------------------|-----|--------|-----------------|-----|--------|--------|
|                |             |                          |                   |                    |             |      |        |      |      |        |           |       |        |                      |     |        |                 |     |        |        |
| MW-01          | 2/20/2014   | 183.06                   | 185               | Y                  | 1943        | 1941 | 0.10   | 6.55 | 6.61 | 0.91   | 13.31     | 13.29 | 0.15   | 250                  | 238 | 4.92   | 4.8             | 4.8 | N      | 0.00   |
| MW-03          | 2/26/2014   | 50.18                    | 55                | Y                  | 5766        | 5769 | 0.05   | 6.21 | 6.23 | 0.32   | 14.86     | 14.80 | 0.40   | 270                  | 268 | 0.74   | 0               | 0   | N      | 0.00   |
| MW-03A         | 3/5/2014    | 63.41                    | 65                | Pumped dry         | 6000        | 5989 | 0.18   | 6.57 | 6.58 | 0.15   | 12.56     | 12.68 | 0.95   | NM                   | NC  | NC     | NM              | NM  | N      | NC     |
| MW-05          | 2/12/2014   | 193.19                   | 195               | Y                  | 2939        | 2935 | 0.14   | 6.81 | 6.87 | 0.88   | 14.23     | 14.3  | 0.49   | 334                  | 330 | 1.20   | 0               | 0   | N      | 0.00   |
| MW-11          | 3/11/2014   | 260.23                   | 270               | Y                  | 2923        | 2918 | 0.17   | 7.06 | 7.10 | 0.56   | 14.27     | 14.30 | 0.21   | 263                  | 256 | 2.70   | 0               | 0   | N      | 0.00   |
| MW-12          | 2/12/2014   | 131.56                   | 135               | Y                  | 4177        | 4180 | 0.07   | 6.10 | 6.13 | 0.49   | 14.40     | 14.42 | 0.14   | 326                  | 324 | 0.62   | 2.5             | 2.5 | N      | 0.00   |
| MW-14          | 3/11/2014   | 152.32                   | 155               | Y                  | 3934        | 3930 | 0.10   | 6.33 | 6.33 | 0.00   | 14.31     | 14.28 | 0.21   | 284                  | 282 | 0.71   | 1               | 1   | N      | 0.00   |
| MW-15          | 2/25/2014   | 185.12                   | 190               | Y                  | 4306        | 4316 | 0.23   | 6.49 | 6.51 | 0.31   | 14.98     | 14.97 | 0.07   | 232                  | 231 | 0.43   | 1               | 1   | N      | 0.00   |
| MW-18          | 2/19/2014   | 381.14                   | 390               | Y                  | 3493        | 3496 | 0.09   | 6.15 | 6.16 | 0.16   | 14.15     | 14.11 | 0.28   | 257                  | 256 | 0.39   | 0               | 0   | N      | 0.00   |
| MW-19          | 2/18/2014   | 545.57                   | 600               | Y                  | 1619        | 1622 | 0.19   | 6.28 | 6.29 | 0.16   | 14.53     | 14.50 | 0.21   | 276                  | 275 | 0.36   | 1.1             | 1.1 | N      | 0.00   |
| MW-23          | 3/5/2014    | 122.70                   | 115               | Pumped dry         | 3916        | 3925 | 0.23   | 6.46 | 6.52 | 0.92   | 14.8      | 14.85 | 0.34   | NM                   | NC  | NC     | NM              | NM  | N      | NC     |
| MW-24          | 3/6/2014    | 41.15                    | 60                | Y                  | 4411        | 4425 | 0.32   | 5.92 | 5.89 | 0.51   | 13.93     | 14    | 0.50   | NM                   | NC  | NC     | NM              | NM  | N      | NC     |
| MW-25          | 2/10/2014   | 247.47                   | 250               | Y                  | 3194        | 3178 | 0.50   | 6.26 | 6.27 | 0.16   | 14.55     | 14.53 | 0.14   | 298                  | 295 | 1.01   | 34              | 36  | Y      | 5.71   |
| MW-26          | 3/12/2014   | NA                       | NA                | NA                 | 3348        |      | NC     | 6.50 |      | NC     | 15.55     |       | NC     | 273                  |     | NC     | 0               |     | N      | NC     |
| MW-27          | 2/25/2014   | 253.37                   | 300               | Y                  | 1541        | 1540 | 0.06   | 6.6  | 6.62 | 0.30   | 14.93     | 14.95 | 0.13   | 227                  | 227 | 0.00   | 0               | 0   | N      | 0.00   |
| MW-28          | 2/26/2014   | 205.83                   | 210               | Y                  | 3999        | 3998 | 0.03   | 6.03 | 6.01 | 0.33   | 14.3      | 14.28 | 0.14   | 274                  | 275 | 0.36   | 0               | 0   | N      | 0.00   |
| MW-29          | 2/25/2014   | 153.89                   | 160               | Y                  | 4101        | 4144 | 1.04   | 6.81 | 6.78 | 0.44   | 15.08     | 15.07 | 0.07   | 191                  | 198 | 3.60   | 72              | 74  | Y      | 2.74   |
| MW-30          | 3/11/2014   | 209.98                   | 210               | Y                  | 2050        | 2048 | 0.10   | 6.53 | 6.56 | 0.46   | 14.41     | 14.4  | 0.07   | 276                  | 275 | 0.36   | 0               | 0   | N      | 0.00   |
| MW-31          | 3/10/2014   | 374.46                   | 380               | Y                  | 2076        | 2025 | 2.49   | 6.48 | 6.53 | 0.77   | 15.05     | 15.03 | 0.13   | 282                  | 281 | 0.36   | 9.1             | 9.3 | Y      | 2.17   |
| MW-32          | 2/11/2014   | 348.88                   | 360               | Y                  | 3849        | 3847 | 0.05   | 6.11 | 6.15 | 0.65   | 14.26     | 14.28 | 0.14   | 225                  | 214 | 5.01   | 56              | 58  | Y      | 3.51   |
| MW-35          | 3/11/2014   | 73.48                    | 75                | Y                  | 4186        | 4189 | 0.07   | 6.30 | 6.32 | 0.32   | 14.23     | 14.25 | 0.14   | 297                  | 293 | 1.36   | 0               | 0   | N      | 0.00   |
| MW-36          | 2/26/2014   | 67.10                    | 75                | Y                  | 4959        | 4948 | 0.22   | 6.63 | 6.63 | 0.00   | 14.29     | 14.30 | 0.07   | 235                  | 232 | 1.28   | 1.4             | 1.4 | N      | 0.00   |
| MW-36 Resample | 3/5/2014    | 65.96                    | 70                | Y                  | 4963        | 4969 | 0.12   | 6.59 | 6.59 | 0.00   | 13.98     | 14.00 | 0.14   | 280                  | 278 | 0.72   | 0               | 0   | N      | 0.00   |
| MW-36 Resample | 3/25/2014   | 66.80                    | 75                | Y                  | 4965        | 4963 | 0.04   | 5.79 | 5.80 | 0.17   | 14.00     | 13.98 | 0.14   | 502                  | 501 | 0.20   | 0               | 0   | N      | 0.00   |
| MW-37          | 3/20/2014   | N/A                      | N/A               | Bailed dry         | 4418        | 4430 | 0.27   | 6.78 | 6.76 | 0.30   | 14.01     | 13.99 | 0.14   | NM                   | NC  | NC     | NM              | NM  | N      | NC     |

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Accelerated Field Data QA/QC Evaluation

| Well                                | Sample Date | Time Req'd for 2 Casings | Time Pumped (min) | Amount Sufficient? | Conductance |      | RPD(%) | pH   |      | RPD(%) | Temp (°C) |       | RPD(%) | Redox Potential (Eh) |     | RPD(%) | Turbidity (NTU) |    | <5 (NTU) | RPD(%) |
|-------------------------------------|-------------|--------------------------|-------------------|--------------------|-------------|------|--------|------|------|--------|-----------|-------|--------|----------------------|-----|--------|-----------------|----|----------|--------|
| <b>Accelerated January Monthly</b>  |             |                          |                   |                    |             |      |        |      |      |        |           |       |        |                      |     |        |                 |    |          |        |
| MW-11                               | 1/8/2014    | 259.93                   | 260               | Y                  | 2883        | 2879 | 0.14   | 7.75 | 7.77 | 0.26   | 14.30     | 14.34 | 0.28   | 230                  | 225 | 2.20   | 0               | 0  | Y        | 0.00   |
| MW-14                               | 1/8/2014    | 152.26                   | 155               | Y                  | 3901        | 3910 | 0.23   | 6.61 | 6.60 | 0.15   | 14.20     | 14.19 | 0.07   | 391                  | 399 | 2.03   | 0               | 0  | Y        | 0.00   |
| MW-25                               | 1/7/2014    | 248.56                   | 250               | Y                  | 3195        | 3180 | 0.47   | 6.39 | 6.37 | 0.31   | 14.23     | 14.24 | 0.07   | 489                  | 489 | 0.00   | 32              | 32 | N        | 0.00   |
| MW-26                               | 1/8/2014    |                          | NA                |                    | 3494        |      | NC     | 6.8  |      | NC     | 14.24     |       | NC     | 345                  |     | NC     | 3.9             |    | Y        | NC     |
| MW-30                               | 1/8/2014    | 209.44                   | 210               | Y                  | 2050        | 2043 | 0.34   | 6.71 | 6.74 | 0.45   | 14.44     | 14.36 | 0.56   | 413                  | 410 | 0.73   | 0               | 0  | Y        | 0.00   |
| MW-31                               | 1/7/2014    | 374.70                   | 380               | Y                  | 2075        | 2083 | 0.38   | 7.11 | 7.13 | 0.28   | 13.59     | 13.69 | 0.73   | 496                  | 498 | 0.40   | 0               | 0  | Y        | 0.00   |
| MW-35                               | 1/8/2014    | 73.78                    | 75                | Y                  | 3790        | 3791 | 0.03   | 6.54 | 6.56 | 0.31   | 18.05     | 18.01 | 0.22   | 378                  | 370 | 2.14   | 0               | 0  | Y        | 0.00   |
| <b>Accelerated February Monthly</b> |             |                          |                   |                    |             |      |        |      |      |        |           |       |        |                      |     |        |                 |    |          |        |
| MW-11                               | 2/24/2014   | 260.29                   | 270               | Y                  | 2933        | 2933 | 0.00   | 7.04 | 7.08 | 0.57   | 14.46     | 14.45 | 0.07   | 232                  | 227 | 2.18   | 7.9             | 8  | N        | 1.26   |
| MW-14                               | 2/24/2014   | 152.26                   | 160               | Y                  | 3929        | 3932 | 0.08   | 6.13 | 6.16 | 0.49   | 14.39     | 14.28 | 0.77   | 275                  | 272 | 1.10   | 0               | 0  | Y        | 0.00   |
| MW-25                               | 2/13/2014   | 248.26                   | 250               | Y                  | 3192        | 3185 | 0.22   | 6.06 | 6.10 | 0.66   | 14.89     | 14.9  | 0.07   | 309                  | 302 | 2.29   | 39              | 40 | N        | 2.53   |
| MW-26                               | 2/24/2014   |                          | NA                |                    | 3669        |      | NC     | 6.78 |      |        | 16.42     |       |        | 228                  |     |        | 1.5             |    | Y        | NC     |
| MW-30                               | 2/25/2014   | 209.68                   | 215               | Y                  | 2054        | 2058 | 0.19   | 6.80 | 6.80 | 0.00   | 14.24     | 14.23 | 0.07   | 237                  | 236 | 0.42   | 0               | 0  | Y        | 0.00   |
| MW-31                               | 2/17/2014   | 374.34                   | 380               | Y                  | 2077        | 2073 | 0.19   | 6.45 | 6.45 | 0.00   | 14.56     | 14.53 | 0.21   | 277                  | 275 | 0.72   | 0               | 0  | Y        | 0.00   |
| MW-35                               | 2/11/2014   | 72.82                    | 75                | Y                  | 4171        | 4179 | 0.19   | 6.05 | 6.07 | 0.33   | 14.28     | 14.27 | 0.07   | 343                  | 338 | 1.47   | 0               | 0  | Y        | 0.00   |

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| Trip Blank  | Tetrahydrofuran        | 2/17/2014   | 2/24/2014     | 7                | 14                       | OK              |
| Trip Blank  | 2-Butanone             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Acetone                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Benzene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Carbon tetrachloride   | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Chloroform             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Chloromethane          | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Methylene chloride     | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Naphthalene            | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Tetrahydrofuran        | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Toluene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | Xylenes, Total         | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| Trip Blank  | 2-Butanone             | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Acetone                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Benzene                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Carbon tetrachloride   | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Chloroform             | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Chloromethane          | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Methylene chloride     | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Naphthalene            | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Tetrahydrofuran        | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Toluene                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | Xylenes, Total         | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| Trip Blank  | 2-Butanone             | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Acetone                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Benzene                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Carbon tetrachloride   | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Chloroform             | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Chloromethane          | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Methylene chloride     | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Naphthalene            | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Tetrahydrofuran        | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Toluene                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| Trip Blank  | Xylenes, Total         | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-01       | Manganese              | 2/20/2014   | 2/24/2014     | 4                | 180                      | OK              |
| MW-01       | Sulfate                | 2/20/2014   | 2/28/2014     | 8                | 28                       | OK              |
| MW-01       | Tetrahydrofuran        | 2/20/2014   | 2/24/2014     | 4                | 14                       | OK              |
| MW-03       | Fluoride               | 2/26/2014   | 3/4/2014      | 6                | 27                       | OK              |
| MW-03       | Selenium               | 2/26/2014   | 3/6/2014      | 8                | 180                      | OK              |
| MW-03a      | Nitrate/Nitrite (as N) | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-03a      | Selenium               | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-03a      | Sulfate                | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-03a      | Total Dissolved Solids | 3/5/2014    | 3/7/2014      | 2                | 7                        | OK              |
| MW-05       | Uranium                | 2/12/2014   | 2/20/2014     | 8                | 180                      | OK              |
| MW-11       | 2-Butanone             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Acetone                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Ammonia (as N)         | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-11       | Arsenic                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Benzene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Beryllium              | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Bicarbonate (as CaCO3) | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-11       | Cadmium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Calcium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Carbon tetrachloride   | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-11       | Carbonate (as CaCO3)   | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-11       | Chloride               | 3/11/2014   | 3/14/2014     | 3                | 28                       | OK              |
| MW-11       | Chloroform             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Chloromethane          | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Chromium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Cobalt                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Copper                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Fluoride               | 3/11/2014   | 3/17/2014     | 6                | 27                       | OK              |
| MW-11       | Gross Radium Alpha     | 3/11/2014   | 3/31/2014     | 20               | 180                      | OK              |
| MW-11       | Iron                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Lead                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Magnesium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Manganese              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Mercury                | 3/11/2014   | 3/18/2014     | 7                | 180                      | OK              |
| MW-11       | Methylene chloride     | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Molybdenum             | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Naphthalene            | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Nickel                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Nitrate/Nitrite (as N) | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-11       | Potassium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Selenium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Silver                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Sodium                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Sulfate                | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-11       | Tetrahydrofuran        | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Thallium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Tin                    | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Toluene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Total Dissolved Solids | 3/11/2014   | 3/14/2014     | 3                | 7                        | OK              |
| MW-11       | Uranium                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-11       | Vanadium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-11       | Xylenes, Total         | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-11       | Zinc                   | 3/11/2014   | 3/21/2014     | 10               | 180                      | OK              |
| MW-12       | Selenium               | 2/12/2014   | 2/19/2014     | 7                | 180                      | OK              |
| MW-14       | 2-Butanone             | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Acetone                | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Ammonia (as N)         | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-14       | Arsenic                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Benzene                | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Beryllium              | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Bicarbonate (as CaCO3) | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-14       | Cadmium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Calcium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Carbon tetrachloride   | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Carbonate (as CaCO3)   | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-14       | Chloride               | 3/11/2014   | 3/14/2014     | 3                | 28                       | OK              |
| MW-14       | Chloroform             | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Chloromethane          | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Chromium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Cobalt                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Copper                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Fluoride               | 3/11/2014   | 3/17/2014     | 6                | 27                       | OK              |
| MW-14       | Gross Radium Alpha     | 3/11/2014   | 3/31/2014     | 20               | 180                      | OK              |
| MW-14       | Iron                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-14       | Lead                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Magnesium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Manganese              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Mercury                | 3/11/2014   | 3/18/2014     | 7                | 180                      | OK              |
| MW-14       | Methylene chloride     | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Molybdenum             | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Naphthalene            | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Nickel                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Nitrate/Nitrite (as N) | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-14       | Potassium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Selenium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Silver                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Sodium                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Sulfate                | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-14       | Tetrahydrofuran        | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Thallium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Tin                    | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Toluene                | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Total Dissolved Solids | 3/11/2014   | 3/14/2014     | 3                | 7                        | OK              |
| MW-14       | Uranium                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-14       | Vanadium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-14       | Xylenes, Total         | 3/11/2014   | 3/15/2014     | 4                | 14                       | OK              |
| MW-14       | Zinc                   | 3/11/2014   | 3/21/2014     | 10               | 180                      | OK              |
| MW-15       | Iron                   | 2/25/2014   | 3/6/2014      | 9                | 180                      | OK              |
| MW-15       | Selenium               | 2/25/2014   | 3/6/2014      | 9                | 180                      | OK              |
| MW-18       | Sulfate                | 2/19/2014   | 2/28/2014     | 9                | 28                       | OK              |
| MW-18       | Thallium               | 2/19/2014   | 2/24/2014     | 5                | 180                      | OK              |
| MW-18       | Total Dissolved Solids | 2/19/2014   | 2/21/2014     | 2                | 7                        | OK              |
| MW-19       | Gross Radium Alpha     | 2/18/2014   | 3/7/2014      | 17               | 180                      | OK              |
| MW-19       | Nitrate/Nitrite (as N) | 2/18/2014   | 2/21/2014     | 3                | 28                       | OK              |
| MW-23       | Manganese              | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-24       | Cadmium                | 3/6/2014    | 3/13/2014     | 7                | 180                      | OK              |
| MW-24       | Fluoride               | 3/6/2014    | 3/10/2014     | 4                | 27                       | OK              |
| MW-24       | Thallium               | 3/6/2014    | 3/13/2014     | 7                | 180                      | OK              |
| MW-25       | 2-Butanone             | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Acetone                | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Ammonia (as N)         | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-25       | Arsenic                | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Benzene                | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Beryllium              | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Bicarbonate (as CaCO3) | 3/10/2014   | 3/21/2014     | 11               | 14                       | OK              |
| MW-25       | Cadmium                | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Calcium                | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Carbon tetrachloride   | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Carbonate (as CaCO3)   | 3/10/2014   | 3/21/2014     | 11               | 14                       | OK              |
| MW-25       | Chloride               | 3/10/2014   | 3/14/2014     | 4                | 28                       | OK              |
| MW-25       | Chloroform             | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Chloromethane          | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Chromium               | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Cobalt                 | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Copper                 | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Fluoride               | 3/10/2014   | 3/17/2014     | 7                | 27                       | OK              |
| MW-25       | Gross Radium Alpha     | 3/10/2014   | 3/31/2014     | 21               | 180                      | OK              |
| MW-25       | Iron                   | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name                      | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|-------------------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-25       | Lead                                | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Magnesium                           | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Manganese                           | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Mercury                             | 3/10/2014   | 3/18/2014     | 8                | 180                      | OK              |
| MW-25       | Methylene chloride                  | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Molybdenum                          | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Naphthalene                         | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Nickel                              | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Nitrate/Nitrite (as N)              | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-25       | Potassium                           | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Selenium                            | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Silver                              | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Sodium                              | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Sulfate                             | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-25       | Tetrahydrofuran                     | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Thallium                            | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Tin                                 | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Toluene                             | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Total Dissolved Solids              | 3/10/2014   | 3/14/2014     | 4                | 7                        | OK              |
| MW-25       | Uranium                             | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-25       | Vanadium                            | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-25       | Xylenes, Total                      | 3/10/2014   | 3/15/2014     | 5                | 14                       | OK              |
| MW-25       | Zinc                                | 3/10/2014   | 3/21/2014     | 11               | 180                      | OK              |
| MW-26       | 2-Butanone                          | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Acetone                             | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Ammonia (as N)                      | 3/12/2014   | 3/18/2014     | 6                | 28                       | OK              |
| MW-26       | Arsenic                             | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Benzene                             | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Beryllium                           | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Bicarbonate (as CaCO <sub>3</sub> ) | 3/12/2014   | 3/21/2014     | 9                | 14                       | OK              |
| MW-26       | Cadmium                             | 3/12/2014   | 3/31/2014     | 19               | 180                      | OK              |
| MW-26       | Calcium                             | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Carbon tetrachloride                | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Carbonate (as CaCO <sub>3</sub> )   | 3/12/2014   | 3/21/2014     | 9                | 14                       | OK              |
| MW-26       | Chloride                            | 3/12/2014   | 3/14/2014     | 2                | 28                       | OK              |
| MW-26       | Chloroform                          | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Chloromethane                       | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Chromium                            | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Cobalt                              | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Copper                              | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Fluoride                            | 3/12/2014   | 3/17/2014     | 5                | 27                       | OK              |
| MW-26       | Gross Radium Alpha                  | 3/12/2014   | 3/31/2014     | 19               | 180                      | OK              |
| MW-26       | Iron                                | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Lead                                | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Magnesium                           | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Manganese                           | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Mercury                             | 3/12/2014   | 3/18/2014     | 6                | 180                      | OK              |
| MW-26       | Methylene chloride                  | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Molybdenum                          | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Naphthalene                         | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Nickel                              | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Nitrate/Nitrite (as N)              | 3/12/2014   | 3/18/2014     | 6                | 28                       | OK              |
| MW-26       | Potassium                           | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Selenium                            | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-26       | Silver                 | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Sodium                 | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Sulfate                | 3/12/2014   | 3/18/2014     | 6                | 28                       | OK              |
| MW-26       | Tetrahydrofuran        | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Thallium               | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Tin                    | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Toluene                | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Total Dissolved Solids | 3/12/2014   | 3/14/2014     | 2                | 7                        | OK              |
| MW-26       | Uranium                | 3/12/2014   | 3/27/2014     | 15               | 180                      | OK              |
| MW-26       | Vanadium               | 3/12/2014   | 3/24/2014     | 12               | 180                      | OK              |
| MW-26       | Xylenes, Total         | 3/12/2014   | 3/17/2014     | 5                | 14                       | OK              |
| MW-26       | Zinc                   | 3/12/2014   | 3/21/2014     | 9                | 180                      | OK              |
| MW-27       | Chloride               | 2/25/2014   | 3/1/2014      | 4                | 28                       | OK              |
| MW-27       | Gross Radium Alpha     | 2/25/2014   | 3/7/2014      | 10               | 180                      | OK              |
| MW-27       | Nitrate/Nitrite (as N) | 2/25/2014   | 3/4/2014      | 7                | 28                       | OK              |
| MW-27       | Sulfate                | 2/25/2014   | 3/5/2014      | 8                | 28                       | OK              |
| MW-27       | Total Dissolved Solids | 2/25/2014   | 2/28/2014     | 3                | 7                        | OK              |
| MW-28       | Chloride               | 2/26/2014   | 3/1/2014      | 3                | 28                       | OK              |
| MW-28       | Manganese              | 2/26/2014   | 3/6/2014      | 8                | 180                      | OK              |
| MW-29       | Manganese              | 2/25/2014   | 3/9/2014      | 12               | 180                      | OK              |
| MW-29       | Total Dissolved Solids | 2/25/2014   | 2/28/2014     | 3                | 7                        | OK              |
| MW-30       | 2-Butanone             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Acetone                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Ammonia (as N)         | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-30       | Arsenic                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Benzene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Beryllium              | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Bicarbonate (as CaCO3) | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-30       | Cadmium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Calcium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Carbon tetrachloride   | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Carbonate (as CaCO3)   | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-30       | Chloride               | 3/11/2014   | 3/14/2014     | 3                | 28                       | OK              |
| MW-30       | Chloroform             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Chloromethane          | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Chromium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Cobalt                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Copper                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Fluoride               | 3/11/2014   | 3/17/2014     | 6                | 27                       | OK              |
| MW-30       | Gross Radium Alpha     | 3/11/2014   | 3/31/2014     | 20               | 180                      | OK              |
| MW-30       | Iron                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Lead                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Magnesium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Manganese              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Mercury                | 3/11/2014   | 3/18/2014     | 7                | 180                      | OK              |
| MW-30       | Methylene chloride     | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Molybdenum             | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Naphthalene            | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Nickel                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Nitrate/Nitrite (as N) | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-30       | Potassium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Selenium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Silver                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Sodium                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-30       | Sulfate                | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-30       | Tetrahydrofuran        | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Thallium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Tin                    | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Toluene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Total Dissolved Solids | 3/11/2014   | 3/14/2014     | 3                | 7                        | OK              |
| MW-30       | Uranium                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-30       | Vanadium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-30       | Xylenes, Total         | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-30       | Zinc                   | 3/11/2014   | 3/21/2014     | 10               | 180                      | OK              |
| MW-31       | 2-Butanone             | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Acetone                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Ammonia (as N)         | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-31       | Arsenic                | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Benzene                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Beryllium              | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Bicarbonate (as CaCO3) | 3/10/2014   | 3/21/2014     | 11               | 14                       | OK              |
| MW-31       | Cadmium                | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Calcium                | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Carbon tetrachloride   | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Carbonate (as CaCO3)   | 3/10/2014   | 3/21/2014     | 11               | 14                       | OK              |
| MW-31       | Chloride               | 3/10/2014   | 3/14/2014     | 4                | 28                       | OK              |
| MW-31       | Chloroform             | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Chloromethane          | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Chromium               | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Cobalt                 | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Copper                 | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Fluoride               | 3/10/2014   | 3/17/2014     | 7                | 27                       | OK              |
| MW-31       | Gross Radium Alpha     | 3/10/2014   | 3/31/2014     | 21               | 180                      | OK              |
| MW-31       | Iron                   | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Lead                   | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Magnesium              | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Manganese              | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Mercury                | 3/10/2014   | 3/18/2014     | 8                | 180                      | OK              |
| MW-31       | Methylene chloride     | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Molybdenum             | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Naphthalene            | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Nickel                 | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Nitrate/Nitrite (as N) | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-31       | Potassium              | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Selenium               | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Silver                 | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Sodium                 | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Sulfate                | 3/10/2014   | 3/18/2014     | 8                | 28                       | OK              |
| MW-31       | Tetrahydrofuran        | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Thallium               | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Tin                    | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Toluene                | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Total Dissolved Solids | 3/10/2014   | 3/14/2014     | 4                | 7                        | OK              |
| MW-31       | Uranium                | 3/10/2014   | 3/27/2014     | 17               | 180                      | OK              |
| MW-31       | Vanadium               | 3/10/2014   | 3/24/2014     | 14               | 180                      | OK              |
| MW-31       | Xylenes, Total         | 3/10/2014   | 3/17/2014     | 7                | 14                       | OK              |
| MW-31       | Zinc                   | 3/10/2014   | 3/21/2014     | 11               | 180                      | OK              |
| MW-32       | Gross Radium Alpha     | 2/11/2014   | 3/7/2014      | 24               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-35       | 2-Butanone             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Acetone                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Ammonia (as N)         | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-35       | Arsenic                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Benzene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Beryllium              | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Bicarbonate (as CaCO3) | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-35       | Cadmium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Calcium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Carbon tetrachloride   | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Carbonate (as CaCO3)   | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-35       | Chloride               | 3/11/2014   | 3/14/2014     | 3                | 28                       | OK              |
| MW-35       | Chloroform             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Chloromethane          | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Chromium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Cobalt                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Copper                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Fluoride               | 3/11/2014   | 3/17/2014     | 6                | 27                       | OK              |
| MW-35       | Gross Radium Alpha     | 3/11/2014   | 3/31/2014     | 20               | 180                      | OK              |
| MW-35       | Iron                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Lead                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Magnesium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Manganese              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Mercury                | 3/11/2014   | 3/18/2014     | 7                | 180                      | OK              |
| MW-35       | Methylene chloride     | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Molybdenum             | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Naphthalene            | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Nickel                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Nitrate/Nitrite (as N) | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-35       | Potassium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Selenium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Silver                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Sodium                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Sulfate                | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-35       | Tetrahydrofuran        | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Thallium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Tin                    | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Toluene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Total Dissolved Solids | 3/11/2014   | 3/14/2014     | 3                | 7                        | OK              |
| MW-35       | Uranium                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-35       | Vanadium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-35       | Xylenes, Total         | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-35       | Zinc                   | 3/11/2014   | 3/21/2014     | 10               | 180                      | OK              |
| MW-36       | Gross Radium Alpha     | 2/26/2014   | 3/7/2014      | 9                | 180                      | OK              |
| MW-36       | 2-Butanone             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Acetone                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Ammonia (as N)         | 3/5/2014    | 3/12/2014     | 7                | 28                       | OK              |
| MW-36       | Arsenic                | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Benzene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Beryllium              | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Cadmium                | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Calcium                | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-36       | Carbon tetrachloride   | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Chloride               | 3/5/2014    | 3/12/2014     | 7                | 28                       | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-36       | Chloroform             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Chloromethane          | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Chromium               | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Cobalt                 | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Copper                 | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Fluoride               | 3/5/2014    | 3/10/2014     | 5                | 27                       | OK              |
| MW-36       | Gross Radium Alpha     | 3/5/2014    | 3/31/2014     | 26               | 180                      | OK              |
| MW-36       | Iron                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Lead                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Magnesium              | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-36       | Manganese              | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Mercury                | 3/5/2014    | 3/12/2014     | 7                | 180                      | OK              |
| MW-36       | Methylene chloride     | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Molybdenum             | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Naphthalene            | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Nickel                 | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Nitrate/Nitrite (as N) | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-36       | Potassium              | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-36       | Selenium               | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Silver                 | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Sodium                 | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-36       | Sulfate                | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-36       | Tetrahydrofuran        | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Thallium               | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Tin                    | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-36       | Toluene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Total Dissolved Solids | 3/5/2014    | 3/7/2014      | 2                | 7                        | OK              |
| MW-36       | Uranium                | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Vanadium               | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-36       | Xylenes, Total         | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-36       | Zinc                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-36       | Bicarbonate (as CaCO3) | 3/25/2014   | 3/26/2014     | 1                | 14                       | OK              |
| MW-36       | Carbonate (as CaCO3)   | 3/25/2014   | 3/26/2014     | 1                | 14                       | OK              |
| MW-37       | 2-Butanone             | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Acetone                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Ammonia (as N)         | 3/20/2014   | 3/26/2014     | 6                | 28                       | OK              |
| MW-37       | Arsenic                | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Benzene                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Beryllium              | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Bicarbonate (as CaCO3) | 3/20/2014   | 3/24/2014     | 4                | 14                       | OK              |
| MW-37       | Cadmium                | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Calcium                | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Carbon tetrachloride   | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Carbonate (as CaCO3)   | 3/20/2014   | 3/24/2014     | 4                | 14                       | OK              |
| MW-37       | Chloride               | 3/20/2014   | 3/24/2014     | 4                | 28                       | OK              |
| MW-37       | Chloroform             | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Chloromethane          | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Chromium               | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Cobalt                 | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Copper                 | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Fluoride               | 3/20/2014   | 3/25/2014     | 5                | 27                       | OK              |
| MW-37       | Gross Radium Alpha     | 3/20/2014   | 4/17/2014     | 28               | 180                      | OK              |
| MW-37       | Iron                   | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Lead                   | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-37       | Magnesium              | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Manganese              | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Mercury                | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Methylene chloride     | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Molybdenum             | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Naphthalene            | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Nickel                 | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Nitrate/Nitrite (as N) | 3/20/2014   | 3/27/2014     | 7                | 28                       | OK              |
| MW-37       | Potassium              | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Selenium               | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Silver                 | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Sodium                 | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Sulfate                | 3/20/2014   | 3/25/2014     | 5                | 28                       | OK              |
| MW-37       | Tetrahydrofuran        | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Thallium               | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Tin                    | 3/20/2014   | 4/2/2014      | 13               | 180                      | OK              |
| MW-37       | Toluene                | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Total Dissolved Solids | 3/20/2014   | 3/21/2014     | 1                | 7                        | OK              |
| MW-37       | Uranium                | 3/20/2014   | 3/31/2014     | 11               | 180                      | OK              |
| MW-37       | Vanadium               | 3/20/2014   | 3/26/2014     | 6                | 180                      | OK              |
| MW-37       | Xylenes, Total         | 3/20/2014   | 3/21/2014     | 1                | 14                       | OK              |
| MW-37       | Zinc                   | 3/20/2014   | 4/2/2014      | 13               | 180                      | OK              |
| MW-30       | Gross Radium Alpha     | 2/25/2014   | 3/7/2014      | 10               | 180                      | OK              |
| MW-70       | Gross Radium Alpha     | 2/26/2014   | 3/7/2014      | 9                | 180                      | OK              |
| MW-70       | 2-Butanone             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Acetone                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Ammonia (as N)         | 3/5/2014    | 3/12/2014     | 7                | 28                       | OK              |
| MW-70       | Arsenic                | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Benzene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Beryllium              | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Cadmium                | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-70       | Calcium                | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-70       | Carbon tetrachloride   | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Chloride               | 3/5/2014    | 3/12/2014     | 7                | 28                       | OK              |
| MW-70       | Chloroform             | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Chloromethane          | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Chromium               | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Cobalt                 | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-70       | Copper                 | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Fluoride               | 3/5/2014    | 3/10/2014     | 5                | 27                       | OK              |
| MW-70       | Gross Radium Alpha     | 3/5/2014    | 3/31/2014     | 26               | 180                      | OK              |
| MW-70       | Iron                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Lead                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Magnesium              | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-70       | Manganese              | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-70       | Mercury                | 3/5/2014    | 3/12/2014     | 7                | 180                      | OK              |
| MW-70       | Methylene chloride     | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Molybdenum             | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Naphthalene            | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Nickel                 | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Nitrate/Nitrite (as N) | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-70       | Potassium              | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-70       | Selenium               | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Silver                 | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-70       | Sodium                 | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-70       | Sulfate                | 3/5/2014    | 3/10/2014     | 5                | 28                       | OK              |
| MW-70       | Tetrahydrofuran        | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Thallium               | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-70       | Tin                    | 3/5/2014    | 3/13/2014     | 8                | 180                      | OK              |
| MW-70       | Toluene                | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Total Dissolved Solids | 3/5/2014    | 3/7/2014      | 2                | 7                        | OK              |
| MW-70       | Uranium                | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Vanadium               | 3/5/2014    | 3/14/2014     | 9                | 180                      | OK              |
| MW-70       | Xylenes, Total         | 3/5/2014    | 3/7/2014      | 2                | 14                       | OK              |
| MW-70       | Zinc                   | 3/5/2014    | 3/17/2014     | 12               | 180                      | OK              |
| MW-70       | Bicarbonate (as CaCO3) | 3/25/2014   | 3/26/2014     | 1                | 14                       | OK              |
| MW-70       | Carbonate (as CaCO3)   | 3/25/2014   | 3/26/2014     | 1                | 14                       | OK              |
| MW-75       | 2-Butanone             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Acetone                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Ammonia (as N)         | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-75       | Arsenic                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Benzene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Beryllium              | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Bicarbonate (as CaCO3) | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-75       | Cadmium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Calcium                | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Carbon tetrachloride   | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Carbonate (as CaCO3)   | 3/11/2014   | 3/21/2014     | 10               | 14                       | OK              |
| MW-75       | Chloride               | 3/11/2014   | 3/14/2014     | 3                | 28                       | OK              |
| MW-75       | Chloroform             | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Chloromethane          | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Chromium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Cobalt                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Copper                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Fluoride               | 3/11/2014   | 3/17/2014     | 6                | 27                       | OK              |
| MW-75       | Gross Radium Alpha     | 3/11/2014   | 3/31/2014     | 20               | 180                      | OK              |
| MW-75       | Iron                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Lead                   | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Magnesium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Manganese              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Mercury                | 3/11/2014   | 3/18/2014     | 7                | 180                      | OK              |
| MW-75       | Methylene chloride     | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Molybdenum             | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Naphthalene            | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Nickel                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Nitrate/Nitrite (as N) | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-75       | Potassium              | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Selenium               | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Silver                 | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Sodium                 | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Sulfate                | 3/11/2014   | 3/18/2014     | 7                | 28                       | OK              |
| MW-75       | Tetrahydrofuran        | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Thallium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Tin                    | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |
| MW-75       | Toluene                | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Total Dissolved Solids | 3/11/2014   | 3/14/2014     | 3                | 7                        | OK              |
| MW-75       | Uranium                | 3/11/2014   | 3/27/2014     | 16               | 180                      | OK              |
| MW-75       | Vanadium               | 3/11/2014   | 3/24/2014     | 13               | 180                      | OK              |

## G-2A: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|----------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-75       | Xylenes, Total | 3/11/2014   | 3/17/2014     | 6                | 14                       | OK              |
| MW-75       | Zinc           | 3/11/2014   | 3/21/2014     | 10               | 180                      | OK              |

## G-2B: Holding Time Evaluation - Accelerated Samples

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| Trip Blank  | Chloroform             | 1/8/2014    | 41649         | 2                | 14                       | OK              |
| Trip Blank  | Methylene chloride     | 1/8/2014    | 41649         | 2                | 14                       | OK              |
| Trip Blank  | Tetrahydrofuran        | 2/11/2014   | 41684         | 3                | 14                       | OK              |
| Trip Blank  | Tetrahydrofuran        | 2/24/2014   | 41701         | 7                | 14                       | OK              |
| Trip Blank  | Chloroform             | 2/24/2014   | 41701         | 7                | 14                       | OK              |
| Trip Blank  | Methylene chloride     | 2/24/2014   | 41701         | 7                | 14                       | OK              |
| MW-11       | Manganese              | 1/8/2014    | 41653         | 6                | 180                      | OK              |
| MW-11       | Tetrahydrofuran        | 2/24/2014   | 41701         | 7                | 14                       | OK              |
| MW-11       | Sulfate                | 2/24/2014   | 41703         | 9                | 28                       | OK              |
| MW-11       | Chloride               | 2/24/2014   | 41698         | 4                | 28                       | OK              |
| MW-11       | Fluoride               | 2/24/2014   | 41702         | 8                | 27                       | OK              |
| MW-11       | Iron                   | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-11       | Manganese              | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-11       | Thallium               | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-11       | Cadmium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-11       | Uranium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-11       | Selenium               | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-11       | Nitrate/Nitrite (as N) | 2/24/2014   | 41702         | 8                | 28                       | OK              |
| MW-11       | Total Dissolved Solids | 2/24/2014   | 41698         | 4                | 7                        | OK              |
| MW-11       | Gross Radium Alpha     | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-14       | Manganese              | 1/8/2014    | 41654         | 7                | 180                      | OK              |
| MW-14       | Tetrahydrofuran        | 2/24/2014   | 41698         | 4                | 14                       | OK              |
| MW-14       | Sulfate                | 2/24/2014   | 41703         | 9                | 28                       | OK              |
| MW-14       | Chloride               | 2/24/2014   | 41699         | 5                | 28                       | OK              |
| MW-14       | Fluoride               | 2/24/2014   | 41702         | 8                | 27                       | OK              |
| MW-14       | Iron                   | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-14       | Manganese              | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-14       | Thallium               | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-14       | Cadmium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-14       | Uranium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-14       | Selenium               | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-14       | Nitrate/Nitrite (as N) | 2/24/2014   | 41702         | 8                | 28                       | OK              |
| MW-14       | Total Dissolved Solids | 2/24/2014   | 41698         | 4                | 7                        | OK              |
| MW-14       | Gross Radium Alpha     | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-25       | Chloride               | 1/7/2014    | 41654         | 8                | 28                       | OK              |
| MW-25       | Fluoride               | 1/7/2014    | 41657         | 11               | 27                       | OK              |
| MW-25       | Cadmium                | 1/7/2014    | 41653         | 7                | 180                      | OK              |
| MW-25       | Tetrahydrofuran        | 2/13/2014   | 41684         | 1                | 14                       | OK              |
| MW-25       | Sulfate                | 2/13/2014   | 41697         | 14               | 28                       | OK              |
| MW-25       | Chloride               | 2/13/2014   | 41685         | 2                | 28                       | OK              |
| MW-25       | Fluoride               | 2/13/2014   | 41697         | 14               | 27                       | OK              |
| MW-25       | Iron                   | 2/13/2014   | 41698         | 15               | 180                      | OK              |
| MW-25       | Manganese              | 2/13/2014   | 41689         | 6                | 180                      | OK              |
| MW-25       | Thallium               | 2/13/2014   | 41693         | 10               | 180                      | OK              |
| MW-25       | Cadmium                | 2/13/2014   | 41689         | 6                | 180                      | OK              |
| MW-25       | Uranium                | 2/13/2014   | 41690         | 7                | 180                      | OK              |
| MW-25       | Selenium               | 2/13/2014   | 41689         | 6                | 180                      | OK              |
| MW-25       | Nitrate/Nitrite (as N) | 2/13/2014   | 41684         | 1                | 28                       | OK              |
| MW-25       | Total Dissolved Solids | 2/13/2014   | 41684         | 1                | 7                        | OK              |
| MW-25       | Gross Radium Alpha     | 2/13/2014   | 41705         | 22               | 180                      | OK              |
| MW-26       | Chloride               | 1/8/2014    | 41652         | 5                | 28                       | OK              |
| MW-26       | Chloroform             | 1/8/2014    | 41649         | 2                | 14                       | OK              |
| MW-26       | Uranium                | 1/8/2014    | 41660         | 13               | 180                      | OK              |
| MW-26       | Methylene chloride     | 1/8/2014    | 41649         | 2                | 14                       | OK              |

## G-2B: Holding Time Evaluation - Accelerated Samples

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-26       | Nitrate/Nitrite (as N) | 1/8/2014    | 41652         | 5                | 28                       | OK              |
| MW-26       | Tetrahydrofuran        | 2/24/2014   | 41698         | 4                | 14                       | OK              |
| MW-26       | Sulfate                | 2/24/2014   | 41703         | 9                | 28                       | OK              |
| MW-26       | Chloride               | 2/24/2014   | 41699         | 5                | 28                       | OK              |
| MW-26       | Fluoride               | 2/24/2014   | 41702         | 8                | 27                       | OK              |
| MW-26       | Chloroform             | 2/24/2014   | 41701         | 7                | 14                       | OK              |
| MW-26       | Iron                   | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-26       | Manganese              | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-26       | Thallium               | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-26       | Cadmium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-26       | Uranium                | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-26       | Methylene chloride     | 2/24/2014   | 41698         | 4                | 14                       | OK              |
| MW-26       | Selenium               | 2/24/2014   | 41704         | 10               | 180                      | OK              |
| MW-26       | Nitrate/Nitrite (as N) | 2/24/2014   | 41702         | 8                | 28                       | OK              |
| MW-26       | Total Dissolved Solids | 2/24/2014   | 41698         | 4                | 7                        | OK              |
| MW-26       | Gross Radium Alpha     | 2/24/2014   | 41705         | 11               | 180                      | OK              |
| MW-30       | Chloride               | 1/8/2014    | 41661         | 14               | 28                       | OK              |
| MW-30       | Selenium               | 1/8/2014    | 41654         | 7                | 180                      | OK              |
| MW-30       | Nitrate/Nitrite (as N) | 1/8/2014    | 41652         | 5                | 28                       | OK              |
| MW-30       | Tetrahydrofuran        | 2/25/2014   | 41701         | 6                | 14                       | OK              |
| MW-30       | Sulfate                | 2/25/2014   | 41703         | 8                | 28                       | OK              |
| MW-30       | Chloride               | 2/25/2014   | 41699         | 4                | 28                       | OK              |
| MW-30       | Fluoride               | 2/25/2014   | 41702         | 7                | 27                       | OK              |
| MW-30       | Iron                   | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-30       | Manganese              | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-30       | Thallium               | 2/25/2014   | 41705         | 10               | 180                      | OK              |
| MW-30       | Cadmium                | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-30       | Uranium                | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-30       | Selenium               | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-30       | Nitrate/Nitrite (as N) | 2/25/2014   | 41702         | 7                | 28                       | OK              |
| MW-30       | Total Dissolved Solids | 2/25/2014   | 41698         | 3                | 7                        | OK              |
| MW-30       | Gross Radium Alpha     | 2/25/2014   | 41705         | 10               | 180                      | OK              |
| MW-31       | Sulfate                | 1/7/2014    | 41661         | 15               | 28                       | OK              |
| MW-31       | Chloride               | 1/7/2014    | 41652         | 6                | 28                       | OK              |
| MW-31       | Selenium               | 1/7/2014    | 41654         | 8                | 180                      | OK              |
| MW-31       | Nitrate/Nitrite (as N) | 1/7/2014    | 41652         | 6                | 28                       | OK              |
| MW-31       | Total Dissolved Solids | 1/7/2014    | 41652         | 6                | 7                        | OK              |
| MW-31       | Tetrahydrofuran        | 2/17/2014   | 41694         | 7                | 14                       | OK              |
| MW-31       | Sulfate                | 2/17/2014   | 41698         | 11               | 28                       | OK              |
| MW-31       | Chloride               | 2/17/2014   | 41698         | 11               | 28                       | OK              |
| MW-31       | Fluoride               | 2/17/2014   | 41698         | 11               | 27                       | OK              |
| MW-31       | Iron                   | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Manganese              | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Thallium               | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Cadmium                | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Uranium                | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Selenium               | 2/17/2014   | 41694         | 7                | 180                      | OK              |
| MW-31       | Nitrate/Nitrite (as N) | 2/17/2014   | 41691         | 4                | 28                       | OK              |
| MW-31       | Total Dissolved Solids | 2/17/2014   | 41691         | 4                | 7                        | OK              |
| MW-31       | Gross Radium Alpha     | 2/17/2014   | 41708         | 21               | 180                      | OK              |
| MW-32       | Gross Radium Alpha     | 2/11/2014   | 41705         | 24               | 180                      | OK              |
| MW-35       | Manganese              | 1/8/2014    | 41653         | 6                | 180                      | OK              |
| MW-35       | Thallium               | 1/8/2014    | 41653         | 6                | 180                      | OK              |
| MW-35       | Uranium                | 1/8/2014    | 41660         | 13               | 180                      | OK              |

## G-2B: Holding Time Evaluation - Accelerated Samples

| Location ID | Parameter Name         | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|-------------|------------------------|-------------|---------------|------------------|--------------------------|-----------------|
| MW-35       | Selenium               | 1/8/2014    | 41654         | 7                | 180                      | OK              |
| MW-35       | Gross Radium Alpha     | 1/8/2014    | 41664         | 17               | 180                      | OK              |
| MW-35       | Tetrahydrofuran        | 2/11/2014   | 41684         | 3                | 14                       | OK              |
| MW-35       | Sulfate                | 2/11/2014   | 41697         | 16               | 28                       | OK              |
| MW-35       | Chloride               | 2/11/2014   | 41685         | 4                | 28                       | OK              |
| MW-35       | Fluoride               | 2/11/2014   | 41697         | 16               | 27                       | OK              |
| MW-35       | Iron                   | 2/11/2014   | 41698         | 17               | 180                      | OK              |
| MW-35       | Manganese              | 2/11/2014   | 41689         | 8                | 180                      | OK              |
| MW-35       | Thallium               | 2/11/2014   | 41693         | 12               | 180                      | OK              |
| MW-35       | Cadmium                | 2/11/2014   | 41689         | 8                | 180                      | OK              |
| MW-35       | Uranium                | 2/11/2014   | 41690         | 9                | 180                      | OK              |
| MW-35       | Selenium               | 2/11/2014   | 41689         | 8                | 180                      | OK              |
| MW-35       | Nitrate/Nitrite (as N) | 2/11/2014   | 41684         | 3                | 28                       | OK              |
| MW-35       | Total Dissolved Solids | 2/11/2014   | 41684         | 3                | 7                        | OK              |
| MW-35       | Gross Radium Alpha     | 2/11/2014   | 41705         | 24               | 180                      | OK              |
| MW-65       | Manganese              | 1/8/2014    | 41653         | 6                | 180                      | OK              |
| MW-65       | Thallium               | 1/8/2014    | 41653         | 6                | 180                      | OK              |
| MW-65       | Uranium                | 1/8/2014    | 41660         | 13               | 180                      | OK              |
| MW-65       | Selenium               | 1/8/2014    | 41654         | 7                | 180                      | OK              |
| MW-65       | Gross Radium Alpha     | 1/8/2014    | 41664         | 17               | 180                      | OK              |
| MW-65       | Tetrahydrofuran        | 2/25/2014   | 41698         | 3                | 14                       | OK              |
| MW-65       | Sulfate                | 2/25/2014   | 41703         | 8                | 28                       | OK              |
| MW-65       | Chloride               | 2/25/2014   | 41699         | 4                | 28                       | OK              |
| MW-65       | Fluoride               | 2/25/2014   | 41702         | 7                | 27                       | OK              |
| MW-65       | Iron                   | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-65       | Manganese              | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-65       | Thallium               | 2/25/2014   | 41705         | 10               | 180                      | OK              |
| MW-65       | Cadmium                | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-65       | Uranium                | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-65       | Selenium               | 2/25/2014   | 41704         | 9                | 180                      | OK              |
| MW-65       | Nitrate/Nitrite (as N) | 2/25/2014   | 41702         | 7                | 28                       | OK              |
| MW-65       | Total Dissolved Solids | 2/25/2014   | 41698         | 3                | 7                        | OK              |
| MW-65       | Gross Radium Alpha     | 2/25/2014   | 41705         | 10               | 180                      | OK              |

G-3A: Laboratory Receipt Temperature Check

| Sample Batch  | Wells in Batch   | Temperature |
|---------------|--|-------------|
| GEL 343541    | MW-19, MW-25, MW-31, MW-32, MW-35                                  | NA          |
| GEL 343800    | MW-11, MW-14, MW-26, MW-27, MW-30, MW-36, MW-65, MW-70             | NA          |
| GEL 344274    | MW-36, MW-70   | NA          |
| GEL 345755    | MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-75             | NA          |
| GEL 345273    | MW-37  | NA          |
| AWAL 1402249B | MW-05, MW-12   | 2.6 °C      |
| AWAL 1402354A | MW-01, MW-18, MW-19, Trip Blank                                    | 2.4 °C      |
| AWAL 1402473B | MW-03, MW-15, MW-27, MW-28, MW-29                                  | 2.4 °C      |
| AWAL 1403270  | MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-75, Trip Blank | 4.9 °C      |
| AWAL 1403121  | MW-03A, MW-24, MW-36, MW-70, Trip Blank                            | 3.8 °C      |
| AWAL 1403421  | MW-37, Trip Blank  | 3.3 °C      |

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-3B: Laboratory Receipt Temperature Check - Accelerated Samples

| <b>Sample Batch</b> | <b>Wells in Batch</b>  | <b>Temperature</b> |
|---------------------|--|--------------------|
| GEL 341206          | MW-35, MW-65   | NA                 |
| AWAL 1401142        | MW-11, MW-14, MW-25, M2-26, MW-30, W-31, M-35, MW-65, Trip Blank | 2.4 °C             |
| GEL 343541          | MW-19, MW-25, MW-31, MW-32, MW-35                                | NA                 |
| GEL 343800          | MW-11, MW-14, MW-26, MW-27, MW-30, MW-36, MW-65, MW-70           | NA                 |
| AWAL 1409249A       | MW-25, M2-35, Trip Blank   | 2.6 °C             |
| AWAL 1402354B       | MW-31, Trip Blank  | 2.4 °C             |
| AWAL 1402473A       | MW-11, MW-14, MW-26, MW-30, MW-65, Trip Blank                    | 2.4 °C             |

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-4A: Analytical Method Check

| Parameter  | QAP Method*                        | Method Used by Lab |
|--|------------------------------------|--------------------|
| Ammonia (as N)   | A4500-NH3 G or E350.1              | E350.1             |
| Nitrate + Nitrite (as N)                                       | E353.1 or E353.2                   | E353.2             |
| Metals   | E200.7 or E200.8                   | E200.7 and E200.8  |
| Gross Alpha  | E900.0 or E900.1                   | E900.1             |
| VOCs   | SW8260B or SW8260C                 | SW8260C            |
| Chloride   | A4500-Cl B or A4500-Cl E or E300.0 | E300.0             |
| Fluoride   | A4500-F C or E300.0                | E300.0             |
| Sulfate  | A4500-SO4 E or E300.0              | E300.0             |
| TDS  | A2540 C                            | A2540 C            |
| Carbonate as CO <sub>3</sub> , Bicarbonate as HCO <sub>3</sub> | A2320 B                            | A2320 B            |
| Calcium, Magnesium, Potassium, Sodium                          | E200.7                             | E200.7             |

G-4B: Analytical Method Check - Accelerated Samples

| Parameter                | QAP Method*                        | Method Used by Lab |
|--------------------------|------------------------------------|--------------------|
| Nitrate + Nitrite (as N) | E353.1 or E353.2                   | E353.2             |
| Metals                   | E200.7 or E200.8                   | E200.7 or E200.8   |
| Gross Alpha              | E900.0 or E900.1                   | E900.1             |
| VOCs                     | SW8260B or SW8260C                 | SW8260C            |
| Chloride                 | A4500-Cl B or A4500-Cl E or E300.0 | E300.0             |
| Sulfate                  | A4500-SO4 E or E300.0              | E300.0             |
| TDS                      | A2540 C                            | A2540 C            |
| Fluoride                 | A4500-F C or E300.0                | E300.0             |

## G-5A Reporting Limit Check

| Location   | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|------------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| Trip Blank | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-01      | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-01      | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-01      | Tetrahydrofuran        | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-03      | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-03      | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-03a     | Nitrate/Nitrite (as N) | 0.1                 | mg/L  |           | 0.1                      | ug/L  | OK       | 1               |
| MW-03a     | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-03a     | Sulfate                | 625                 | mg/L  |           | 1                        | mg/l  | OK       | 125             |
| MW-03a     | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-05      | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-11      | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-11      | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-11      | Ammonia (as N)         | 0.05                | mg/L  |           | 0.05                     | ug/L  | OK       | 1               |
| MW-11      | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-11      | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11      | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-11      | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-11      | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-11      | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-11      | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-11    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-11    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-11    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-11    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-11    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-11    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-11    | Gross Radium Alpha     | 0.582               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-11    | Iron                   | 30                  | ug/L  |           | 30                       | ug/L  | OK       | 5               |
| MW-11    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-11    | Magnesium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-11    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-11    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-11    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-11    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-11    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-11    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-11    | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-11    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-11    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-11    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-11    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-11    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-11    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-11    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-11    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-11    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-12    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-14    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-14    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-14    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-14    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-14    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-14    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-14    | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-14    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-14    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-14    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-14    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-14    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-14    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-14    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-14    | Gross Radium Alpha     | 0.61                | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-14    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-14    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-14    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-14    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-14    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-14    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-14    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-14    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-14    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-14    | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-14    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-14    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-14    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-14    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-14    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-14    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-14    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-14    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-14    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14    | Zinc                   | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-15    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-15    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-18    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-18    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-18    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-19    | Gross Radium Alpha     | 0.316               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-19    | Nitrate/Nitrite (as N) | 1                   | mg/L  |           | 0.1                      | ug/L  | OK       | 10              |
| MW-23    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-24    | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-24    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-24    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-25    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-25    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-25    | Ammonia (as N)         | 0.05                | mg/L  |           | 0.05                     | ug/L  | OK       | 1               |
| MW-25    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-25    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-25    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-25    | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-25    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-25    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-25    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-25    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-25    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-25    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-25    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-25    | Gross Radium Alpha     | 0.579               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-25    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-25    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-25    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-25    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-25    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-25    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Molybdenum             | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-25    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-25    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-25    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-25    | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-25    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-25    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-25    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-25    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-25    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-25    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-25    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-25    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-25    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-26    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-26    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-26    | Ammonia (as N)         | 0.05                | mg/L  |           | 0.05                     | ug/L  | OK       | 1               |
| MW-26    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-26    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-26    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-26    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-26    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-26    | Carbon tetrachloride   | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-26    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-26    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-26    | Chloroform             | 50                  | ug/L  |           | 1                        | ug/L  | OK       | 50              |
| MW-26    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-26    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-26    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-26    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-26    | Gross Radium Alpha     | 0.724               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-26    | Iron                   | 100                 | ug/L  |           | 30                       | ug/L  | OK       | 20              |
| MW-26    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-26    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-26    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-26    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-26    | Methylene chloride     | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-26    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-26    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-26    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  |           | 0.1                      | ug/L  | OK       | 1               |
| MW-26    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-26    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-26    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-26    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-26    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-26    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-26    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-26    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-26    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-26    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-26    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-27    | Chloride               | 10                  | mg/L  |           | 1                        | mg/l  | OK       | 10              |
| MW-27    | Gross Radium Alpha     | 0.351               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-27    | Nitrate/Nitrite (as N) | 1                   | mg/L  |           | 0.1                      | ug/L  | OK       | 10              |
| MW-27    | Sulfate                | 125                 | mg/L  |           | 1                        | mg/l  | OK       | 25              |
| MW-27    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-28    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-28    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-29    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 100             |
| MW-29    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-30    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-30    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-30    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-30    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-30    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-30    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-30    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-30    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-30    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-30    | Chloride               | 10                  | mg/L  |           | 1                        | mg/l  | OK       | 2               |
| MW-30    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-30    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-30    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-30    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-30    | Gross Radium Alpha     | 0.683               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-30    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-30    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-30    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-30    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-30    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-30    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-30    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-30    | Nitrate/Nitrite (as N) | 2                   | mg/L  |           | 0.1                      | ug/L  | OK       | 20              |
| MW-30    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-30    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-30    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-30    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-30    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-30    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-30    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-30    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-30    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-30    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-30    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-31    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-31    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-31    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-31    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-31    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-31    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-31    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-31    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-31    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 10              |
| MW-31    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-31    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-31    | Gross Radium Alpha     | 0.603               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-31    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-31    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-31    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-31    | Manganese              | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-31    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-31    | Nitrate/Nitrite (as N) | 2                   | mg/L  |           | 0.1                      | ug/L  | OK       | 20              |
| MW-31    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-31    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-31    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-31    | Sulfate                | 125                 | mg/L  |           | 1                        | mg/l  | OK       | 25              |
| MW-31    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-31    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-31    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-31    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-31    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-31    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-32    | Gross Radium Alpha     | 0.384               | pCi/L |           | 1                        | pCi/L | OK       | 1               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-35    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-35    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-35    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-35    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-35    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-35    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-35    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-35    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-35    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-35    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-35    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-35    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-35    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-35    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-35    | Gross Radium Alpha     | 0.868               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-35    | Iron                   | 30                  | ug/L  |           | 30                       | ug/L  | OK       | 5               |
| MW-35    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-35    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-35    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-35    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-35    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-35    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-35    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-35    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-35    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-35    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-35    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-35    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-35    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-35    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-35    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-35    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-35    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-35    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Gross Radium Alpha     | 0.384               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-36    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-36    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-36    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-36    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-36    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-36    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-36    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-36    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-36    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-36    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-36    | Gross Radium Alpha     | 0.7                 | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-36    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-36    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-36    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-36    | Manganese              | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-36    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-36    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  |           | 0.1                      | ug/L  | OK       | 1               |
| MW-36    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-36    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-36    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-36    | Sulfate                | 625                 | mg/L  |           | 1                        | mg/l  | OK       | 125             |
| MW-36    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-36    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-36    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-36    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-36    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-36    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-36    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-36    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-36    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-37    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-37    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-37    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-37    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-37    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-37    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-37    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-37    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-37    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-37    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-37    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-37    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-37    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-37    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-37    | Gross Radium Alpha     | 0.616               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-37    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-37    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-37    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-37    | Manganese              | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-37    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-37    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-37    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-37    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  |           | 0.1                      | ug/L  | OK       | 1               |
| MW-37    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-37    | Selenium               | 2                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-37    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-37    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-37    | Sulfate                | 625                 | mg/L  |           | 1                        | mg/l  | OK       | 125             |
| MW-37    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-37    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-37    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-37    | Uranium                | 0.2                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-37    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-37    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-37    | Zinc                   | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-70    | Gross Radium Alpha     | 0.44                | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-70    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-70    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-70    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-70    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-70    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-70    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-70    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-70    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-70    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-70    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-70    | Gross Radium Alpha     | 0.616               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-70    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-70    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-70    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-70    | Manganese              | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-70    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-70    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  |           | 0.1                      | ug/L  | OK       | 1               |
| MW-70    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-70    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-70    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |

## G-5A Reporting Limit Check

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-70    | Sulfate                | 625                 | mg/L  |           | 1                        | mg/l  | OK       | 125             |
| MW-70    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-70    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-70    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-70    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-70    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-70    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-70    | Zinc                   | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-70    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-70    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-75    | 2-Butanone             | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-75    | Acetone                | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 1               |
| MW-75    | Ammonia (as N)         | 0.05                | mg/L  | U         | 0.05                     | ug/L  | OK       | 1               |
| MW-75    | Arsenic                | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-75    | Benzene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Beryllium              | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-75    | Bicarbonate (as CaCO3) | 1                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-75    | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-75    | Calcium                | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-75    | Carbon tetrachloride   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Carbonate (as CaCO3)   | 1                   | mg/L  | U         | 1                        | mg/l  | OK       | 1               |
| MW-75    | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 1               |
| MW-75    | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Chloromethane          | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Chromium               | 25                  | ug/L  | U         | 25                       | ug/L  | OK       | 20              |
| MW-75    | Cobalt                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-75    | Copper                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-75    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-75    | Gross Radium Alpha     | 0.707               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-75    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-75    | Lead                   | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 5               |
| MW-75    | Magnesium              | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-75    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-75    | Mercury                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 1               |
| MW-75    | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Molybdenum             | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-75    | Naphthalene            | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Nickel                 | 20                  | ug/L  | U         | 20                       | ug/L  | OK       | 20              |
| MW-75    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-75    | Potassium              | 1                   | mg/L  |           | 0.5                      | mg/l  | OK       | 1               |
| MW-75    | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-75    | Silver                 | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-75    | Sodium                 | 50                  | mg/L  |           | 0.5                      | mg/l  | OK       | 50              |
| MW-75    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-75    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-75    | Tin                    | 100                 | ug/L  | U         | 100                      | ug/L  | OK       | 20              |
| MW-75    | Toluene                | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-75    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-75    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-75    | Vanadium               | 15                  | ug/L  | U         | 15                       | ug/L  | OK       | 1               |
| MW-75    | Xylenes, Total         | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |

G-5A Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|---------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-75    | Zinc    | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |

U = Analyte was not detected.

## G-5B Reporting Limit Check - Accelerated Samples

| Location   | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|------------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| Trip Blank | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Chloroform             | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Methylene chloride     | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| Trip Blank | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-11      | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-11      | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-11      | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 5               |
| MW-11      | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-11      | Gross Radium Alpha     | 0.35                | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-11      | Iron                   | 30                  | ug/L  |           | 30                       | ug/L  | OK       | 5               |
| MW-11      | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-11      | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-11      | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-11      | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-11      | Tetrahydrofuran        | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-11      | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-11      | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-11      | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-14      | Manganese              | 5                   | ug/L  |           | 10                       | ug/L  | OK       | 50              |
| MW-14      | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-14      | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 5               |
| MW-14      | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-14      | Gross Radium Alpha     | 0.344               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-14      | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-14      | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-14      | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-14      | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-14      | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-14      | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-14      | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-14      | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-14      | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-25      | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-25      | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 5               |
| MW-25      | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-25      | Cadmium                | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 20              |
| MW-25      | Chloride               | 5                   | mg/L  |           | 1                        | mg/l  | OK       | 5               |
| MW-25      | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-25      | Gross Radium Alpha     | 0.24                | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-25      | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-25      | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-25      | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-25      | Selenium               | 5                   | ug/L  | U         | 5                        | ug/L  | OK       | 20              |
| MW-25      | Sulfate                | 500                 | mg/L  |           | 1                        | mg/l  | OK       | 100             |
| MW-25      | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-25      | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |
| MW-25      | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-25      | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-26      | Chloride               | 10                  | mg/L  |           | 1                        | mg/l  | OK       | 10              |
| MW-26      | Chloroform             | 20                  | ug/L  |           | 1                        | ug/L  | OK       | 20              |
| MW-26      | Methylene chloride     | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-26      | Nitrate/Nitrite (as N) | 1                   | mg/L  |           | 0.1                      | ug/L  | OK       | 10              |

## G-5B Reporting Limit Check - Accelerated Samples

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-26    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-26    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-26    | Chloride               | 10                  | mg/L  |           | 1                        | mg/l  | OK       | 10              |
| MW-26    | Chloroform             | 50                  | ug/L  |           | 1                        | ug/L  | OK       | 50              |
| MW-26    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-26    | Gross Radium Alpha     | 0.357               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-26    | Iron                   | 30                  | ug/L  |           | 30                       | ug/L  | OK       | 5               |
| MW-26    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-26    | Methylene chloride     | 1                   | ug/L  |           | 1                        | ug/L  | OK       | 1               |
| MW-26    | Nitrate/Nitrite (as N) | 0.2                 | mg/L  |           | 0.1                      | ug/L  | OK       | 2               |
| MW-26    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-26    | Sulfate                | 250                 | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-26    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-26    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-26    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-26    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-30    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-30    | Nitrate/Nitrite (as N) | 2                   | mg/L  |           | 0.1                      | ug/L  | OK       | 20              |
| MW-30    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-30    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-30    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-30    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-30    | Gross Radium Alpha     | 0.348               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-30    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-30    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-30    | Nitrate/Nitrite (as N) | 1                   | mg/L  |           | 0.1                      | ug/L  | OK       | 10              |
| MW-30    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-30    | Sulfate                | 125                 | mg/L  |           | 1                        | mg/l  | OK       | 25              |
| MW-30    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-30    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-30    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-30    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-31    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-31    | Nitrate/Nitrite (as N) | 2                   | mg/L  |           | 0.1                      | ug/L  | OK       | 20              |
| MW-31    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-31    | Sulfate                | 100                 | mg/L  |           | 1                        | mg/l  | OK       | 100             |
| MW-31    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-31    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-31    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-31    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-31    | Gross Radium Alpha     | 0.128               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-31    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-31    | Manganese              | 10                  | ug/L  | U         | 10                       | ug/L  | OK       | 20              |
| MW-31    | Nitrate/Nitrite (as N) | 2                   | mg/L  |           | 0.1                      | ug/L  | OK       | 20              |
| MW-31    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-31    | Sulfate                | 125                 | mg/L  |           | 1                        | mg/l  | OK       | 25              |
| MW-31    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-31    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-31    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-31    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-35    | Gross Radium Alpha     | 0.912               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-35    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-35    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-35    | Thallium               | 0.5                 | ug/L  |           | 0.5                      | ug/L  | OK       | 5               |

G-5B Reporting Limit Check - Accelerated Samples

| Location | Analyte                | Lab Reporting Limit | Units | Qualifier | Required Reporting Limit | Units | RL Check | DILUTION FACTOR |
|----------|------------------------|---------------------|-------|-----------|--------------------------|-------|----------|-----------------|
| MW-35    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-35    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-35    | Chloride               | 10                  | mg/L  |           | 1                        | mg/l  | OK       | 10              |
| MW-35    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-35    | Gross Radium Alpha     | 0.342               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-35    | Iron                   | 30                  | ug/L  |           | 30                       | ug/L  | OK       | 5               |
| MW-35    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-35    | Nitrate/Nitrite (as N) | 0.1                 | mg/L  | U         | 0.1                      | ug/L  | OK       | 1               |
| MW-35    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-35    | Sulfate                | 625                 | mg/L  |           | 1                        | mg/l  | OK       | 125             |
| MW-35    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-35    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-35    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-35    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-35    | Gross Radium Alpha     | 0.954               | pCi/L |           | 1                        | pCi/L | OK       | 1               |
| MW-35    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-35    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-35    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-35    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |
| MW-65    | Cadmium                | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 20              |
| MW-65    | Chloride               | 50                  | mg/L  |           | 1                        | mg/l  | OK       | 50              |
| MW-65    | Fluoride               | 0.1                 | mg/L  |           | 0.1                      | mg/l  | OK       | 1               |
| MW-65    | Gross Radium Alpha     | 0.327               | pCi/L | U         | 1                        | pCi/L | OK       | 1               |
| MW-65    | Iron                   | 30                  | ug/L  | U         | 30                       | ug/L  | OK       | 5               |
| MW-65    | Manganese              | 10                  | ug/L  |           | 10                       | ug/L  | OK       | 20              |
| MW-65    | Nitrate/Nitrite (as N) | 1                   | mg/L  |           | 0.1                      | ug/L  | OK       | 10              |
| MW-65    | Selenium               | 5                   | ug/L  |           | 5                        | ug/L  | OK       | 20              |
| MW-65    | Sulfate                | 125                 | mg/L  |           | 1                        | mg/l  | OK       | 25              |
| MW-65    | Tetrahydrofuran        | 1                   | ug/L  | U         | 1                        | ug/L  | OK       | 1               |
| MW-65    | Thallium               | 0.5                 | ug/L  | U         | 0.5                      | ug/L  | OK       | 5               |
| MW-65    | Total Dissolved Solids | 20                  | MG/L  |           | 10                       | mg/l  | OK       | 2               |
| MW-65    | Uranium                | 0.3                 | ug/L  |           | 0.3                      | ug/L  | OK       | 2               |

U = Value was reported as nondetected.

G-6A: Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

| <b>Blank</b>  | <b>Sample Date</b> | <b>Laboratory</b>                     |
|---------------|--------------------|---------------------------------------|
| AWAL 1402354A | 2/17/2014          | American West Analytical Laboratories |
| AWAL 1403270  | 3/10/2014          | American West Analytical Laboratories |
| AWAL 1403121  | 3/5/2014           | American West Analytical Laboratories |
| AWAL 1403421  | 3/20/2014          | American West Analytical Laboratories |

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

| <b>Blank</b>  | <b>Sample Date</b> | <b>Laboratory</b>                     |
|---------------|--------------------|---------------------------------------|
| AWAL 1401142  | 1/8/2014           | American West Analytical Laboratories |
| AWAL 1409249A | 2/11/2014          | American West Analytical Laboratories |
| AWAL 1402354B | 2/17/2014          | American West Analytical Laboratories |
| AWAL 1402473A | 2/24/2014          | American West Analytical Laboratories |

G-7A: QA/QC Evaluation for Routine Sample Duplicates

| Constituent                     | MW-36<br>2/26/2014,<br>3/5/2014,<br>3/25/2014 | MW-70<br>2/26/2014,<br>3/5/2014,<br>3/25/2014 | %RPD  |
|---------------------------------|---|---|-------|
| Bicarbonate as HCO <sub>3</sub> | 290   | 302   | 4.05  |
| Calcium (mg/L)                  | 425   | 431   | 1.40  |
| Chloride (mg/L)                 | 57.7  | 57.6  | 0.17  |
| Fluoride (mg/L)                 | 0.287   | 0.279   | 2.83  |
| Magnesium (mg/L)                | 137   | 139   | 1.45  |
| Nitrate + Nitrite (as N) (mg/L) | 0.149   | 0.135   | 9.86  |
| Potassium (mg/L)                | 8.72  | 9.73  | 10.95 |
| Selenium (mg/L)                 | 0.244   | 0.241   | 1.24  |
| Sodium (mg/L)                   | 647   | 639   | 1.24  |
| Sulfate (mg/L)                  | 2,790   | 2640  | 5.52  |
| TDS (mg/L)                      | 4460  | 4630  | 3.74  |
| Thallium (mg/L)                 | 0.000843                                      | 0.000849                                      | 0.71  |
| Uranium (mg/L)                  | 0.0248  | 0.0231  | 7.10  |

**Radiologic Duplicate Tests**

|  |       |       |       |
|--|-------|-------|-------|
| Gross Alpha minus Rn & U*              | 2.80  | 2.76  | 0.282 |
| Gross Alpha minus Rn & U Precision (±) | 0.194 | 0.205 |       |

\* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

| Constituent                     | MW-14<br>3/11/2014 | MW-75<br>3/11/2014 | %RPD  |
|---------------------------------|--------------------|--------------------|-------|
| Bicarbonate as HCO <sub>3</sub> | 379                | 342                | 10.26 |
| Cadmium (mg/L)                  | 0.00138            | 0.00129            | 6.74  |
| Calcium                         | 495                | 501                | 1.20  |
| Chloride (mg/L)                 | 19.5               | 19.6               | 0.51  |
| Fluoride (mg/L)                 | 0.188              | 0.147              | 24.48 |
| Magnesium (mg/L)                | 159                | 154                | 3.19  |
| Manganese (mg/L)                | 1.93               | 1.89               | 2.09  |
| Potassium                       | 12.4               | 12.0               | 3.28  |
| Sodium                          | 343                | 336                | 2.06  |
| Sulfate (mg/L)                  | 2020               | 1,890              | 6.65  |
| TDS (mg/L)                      | 3570               | 3700               | 3.58  |
| Uranium                         | 0.062              | 0.0648             | 4.42  |
| Zinc                            | 0.0121             | 0.0137             | 12.40 |

\* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

| Constituent                            | MW-35<br>01/08/2014 | MW-65<br>01/08/2014 | %RPD* |
|--|---------------------|---------------------|-------|
| Manganese (mg/L)                       | 0.252               | 0.253               | 0.40  |
| Selenium (mg/L)                        | 0.00895             | 0.00846             | 5.63  |
| Thallium                               | 0.000535            | ND                  | NC    |
| Uranium                                | 0.0208              | 0.0214              | 2.84  |
| Radiologic RPD Tests                   |                     |                     |       |
| Gross Alpha minus Rn & U               | 4.12                | 5.45                | 1.52  |
| Gross Alpha minus Rn & U Precision (±) | 0.553               | 0.677               |       |
| Constituent                            | MW-30<br>2/25/2014  | MW-65<br>2/25/2014  | %RPD  |
| Chloride (mg/L)                        | 135                 | 135                 | 0.00  |
| Fluoride                               | 0.332               | 0.334               | 0.60  |
| Manganese (mg/L)                       | 0.0181              | 0.0197              | 8.47  |
| Nitrate + Nitrite (as N)               | 18.4                | 17.7                | 3.88  |
| Selenium (mg/L)                        | 0.0358              | 0.0363              | 1.39  |
| Sulfate (mg/L)                         | 608                 | 706                 | 14.92 |
| Total Dissolved Solids (mg/L)          | 1550                | 1570                | 1.28  |
| Uranium (mg/L)                         | 0.00683             | 0.00694             | 1.60  |

\* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

G-8A: Radiologics Counting Error

| Well            | Gross Alpha<br>minus Rn & U | Gross Alpha<br>minus Rn and U<br>Precision (+/-) | Counting<br>Error ≤<br>20% | GWCL | Within<br>GWCL? |
|-----------------|-----------------------------|--|----------------------------|------|-----------------|
| MW-11 2/24/2014 | 1.00 U                      | 0.131  | NC                         | 3.75 | NC              |
| MW-11 3/11/2014 | 1.04                        | 0.265  | N                          | 3.75 | Y               |
| MW-14 2/24/2014 | 1.00 U                      | 0.135  | NC                         | 7.5  | NC              |
| MW-14 3/11/2014 | 1.00 U                      | 0.195  | NC                         | 7.5  | NC              |
| MW-19 2/18/2014 | 1.00 U                      | 0.130  | NC                         | 2.36 | NC              |
| MW-25 2/13/2014 | 1.00 U                      | 0.105  | NC                         | 7.5  | NC              |
| MW-25 3/10/2014 | 1.00 U                      | 0.228  | NC                         | 7.5  | NC              |
| MW-26 2/14/2014 | 3.10                        | 0.194  | Y                          | 4.69 | Y               |
| MW-26 3/12/2014 | 2.84                        | 0.413  | Y                          | 4.69 | Y               |
| MW-27 2/18/2014 | 1.08                        | 0.141  | Y                          | 2    | Y               |
| MW-30 2/25/2014 | 1.00 U                      | 0.131  | NC                         | 3.75 | NC              |
| MW-30 3/11/2014 | 1.00 U                      | 0.253  | NC                         | 3.75 | NC              |
| MW-31 2/17/2014 | 1.00 U                      | 0.0563   | NC                         | 7.5  | NC              |
| MW-31 3/10/2014 | 1.00 U                      | 0.231  | NC                         | 7.5  | NC              |
| MW-32 2/11/2014 | 1.94                        | 0.177  | Y                          | 3.33 | Y               |
| MW-35 2/14/2014 | 3.98                        | 0.213  | Y                          | 3.75 | NA              |
| MW-35 3/11/2014 | 4.33                        | 0.543  | Y                          | 3.75 | NA              |
| MW-36 2/26/2014 | 2.80                        | 0.194  | Y                          | --   | --              |
| MW-36 3/05/2014 | 1.00 U                      | 0.263  | NC                         | --   | --              |
| MW-37 3/20/2014 | 1.00 U                      | 0.219  | NC                         | --   | --              |

GWCLs have not been established for MW-20, MW-22, MW-36, and MW-37.

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

NC = Not calculated. The sample results are nondetect and the check is not applicable.

**G-8B: Radiologics Counting Error for Accelerated Samples**

| Well  | Sample Date | Gross Alpha minus Rn & U | Gross Alpha minus Rn and U Precision (+/- ) | Counting Error ≤ 20% | GWCL | Within GWCL? |
|-------|-------------|--------------------------|---|----------------------|------|--------------|
| MW-35 | 1/8/2014    | 4.12                     | 0.553                                       | Y                    | 3.75 | N/A          |
| MW-11 | 2/24/2014   | 1.0 U                    | 0.131                                       | NC                   | NC   | NC           |
| MW-14 | 2/24/2014   | 1.0 U                    | 0.135                                       | NC                   | NC   | NC           |
| MW-25 | 2/13/2014   | 1.0 U                    | 0.105                                       | NC                   | NC   | NC           |
| MW-26 | 2/24/2014   | 3.10                     | 0.194                                       | Y                    | 4.69 | Y            |
| MW-30 | 2/25/2014   | 1.0 U                    | 0.131                                       | NC                   | NC   | NC           |
| MW-31 | 2/19/2014   | 1.0 U                    | 0.0563                                      | NC                   | NC   | NC           |
| MW-35 | 2/11/2014   | 3.98                     | 0.213                                       | Y                    | 3.75 | N/A          |

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

G-9A: Laboratory Matrix QC

**Matrix Spike % Recovery Comparison**

| Lab Report | Well                 | Analyte                | MS %REC | MSD %REC | REC Range | RPD   | RPD Range |
|------------|----------------------|------------------------|---------|----------|-----------|-------|-----------|
| 1403270    | MW-11                | Sodium                 | *       | *        | 70-130    | NC    | 20        |
| 1403270    | MW-11                | Calcium                | *       | *        | 70-130    | NC    | 20        |
| 1403270    | MW-11                | Chloride               | 71.4    | 70.4     | 90-110    | 0.252 | 10        |
| 1403270    | MW-14                | Ammonia (as N)         | 81.7    | 92.1     | 90-110    | 11.7  | 10        |
| 1403270    | MW-14                | Nitrate/Nitrite (as N) | 108     | 91.2     | 90-110    | 16.6  | 10        |
| 1403121    | MW-36                | Sodium                 | *       | *        | 70-130    | NC    | 20        |
| 1403121    | MW-36                | Magnesium              | *       | *        | 70-130    | NC    | 20        |
| 1403121    | MW-36                | Chloride               | 82.6    | 83.5     | 90-110    | 0.136 | 10        |
| 1403121    | MW-70 (dup of MW-36) | Ammonia (as N)         | 83.7    | 86.3     | 90-110    | 3.06  | 10        |
| 1403121    | MW-36                | Nitrate/Nitrite (as N) | 81.9    | 88.2     | 90-110    | 6.28  | 10        |
| 1403421    | MW-37                | Calcium                | *       | *        | 70-130    | NC    | 20        |
| 1403421    | MW-37                | Magnesium              | *       | *        | 70-130    | NC    | 20        |
| 1403421    | MW-37                | Sodium                 | *       | *        | 70-130    | NC    | 20        |
| 1403421    | MW-37                | Chloride               | 92.9    | 89.7     | 90-110    | 0.59  | 10        |

\* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

**Laboratory Duplicate % Recovery Comparison**

| Lab Report | Well  | Analyte | Sample Result (mg/L) | Lab Duplicate Result (mg/L) | RPD % | RPD Range % |
|------------|-------|---------|----------------------|-----------------------------|-------|-------------|
| 1402354A   | MW-31 | TDS     | 1540                 | 1460                        | 5.87  | 5           |
| 1402473B   | MW-11 | TDS     | 2000                 | 1840                        | 8.75  | 5           |
| 1403270    | MW-11 | TDS     | 2080                 | 1940                        | 6.97  | 5           |

**Method Blank Detections**

| Lab Report | Well/Sample | Analyte | Reported Concentration | QAP Required RL |
|------------|-------------|---------|------------------------|-----------------|
| 1403121    | NA          | Zinc    | 0.02070                | 10 mg/L         |

G-9B: Accelerated Laboratory Matrix QC

**Matrix Spike % Recovery Comparison**

| Lab Report                      | Well  | Analyte                | MS %REC | MSD %REC | REC Range | RPD % | RPD Range % |
|---------------------------------|-------|------------------------|---------|----------|-----------|-------|-------------|
| 1401142 - January Accelerated   | MW-31 | Chloride               | 89.9    | 96.2     | 90-110    | 0.324 | 20          |
| 1401142 - January Accelerated   | MW-25 | Fluoride               | 87.4    | 86.6     | 90-110    | 0.935 | 20          |
| 1401142 - January Accelerated   | N/A   | Sulfate                | 87.1    | 90       | 90-110    | 3.26  | 20          |
| 1401142 - January Accelerated   | MW-26 | Nitrate/Nitrite (as N) | 115     | 121      | 90-110    | 4.15  | 10          |
| 1402249A - February Accelerated | MW-25 | Magnanese              | 84.4    | 131      | 75-125    | 5.15  | 20          |

\* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

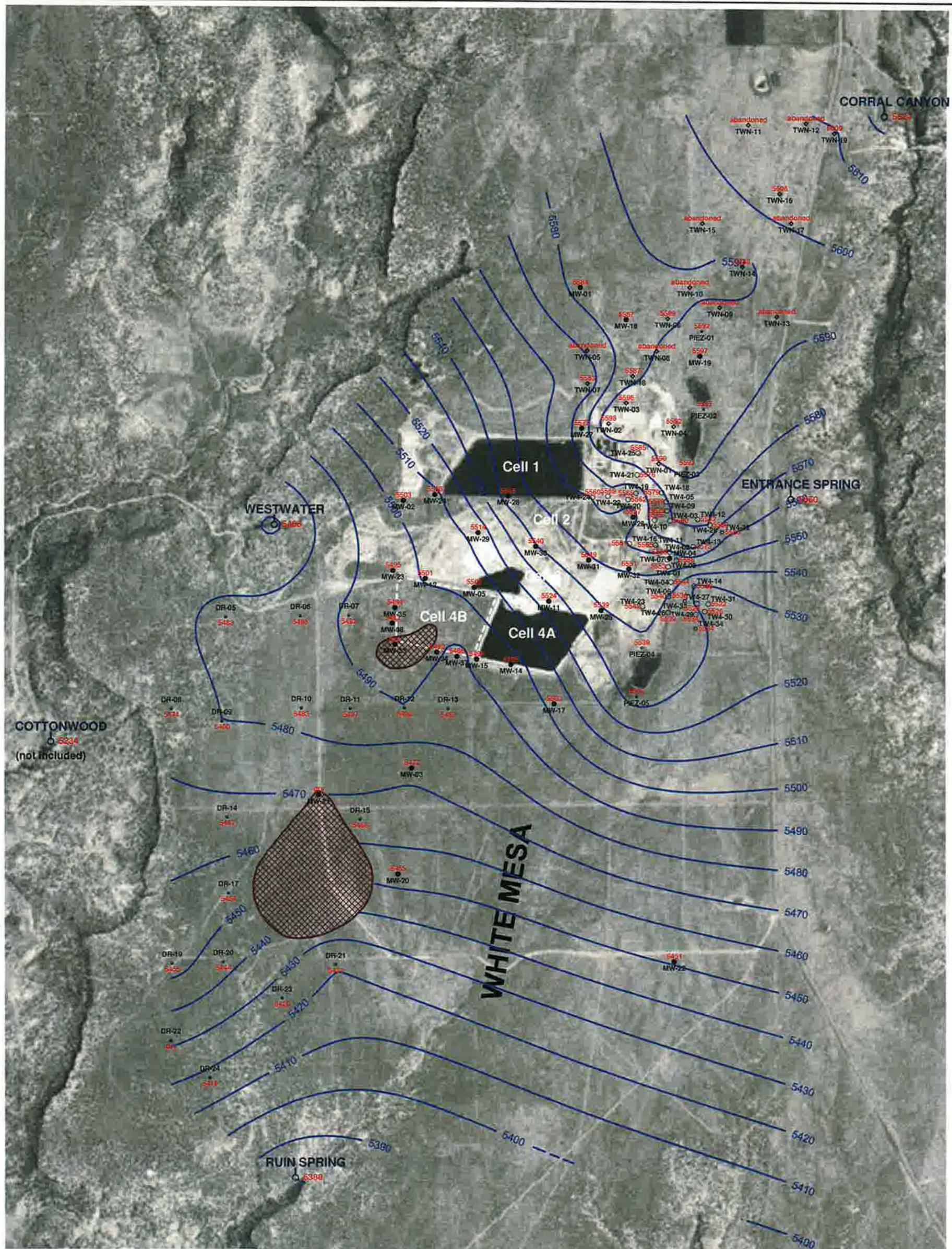
N/A = QC was not performed on an EFRI sample.

**Laboratory Duplicate % Recovery Comparison**

| Lab Report                      | Well  | Analyte                | Sample Result (mg/L) | Lab Duplicate Result (mg/L) | RPD % | RPD Range % |
|---------------------------------|-------|------------------------|----------------------|-----------------------------|-------|-------------|
| 1401142 - January Accelerated   | MW-31 | Total Dissolved Solids | 1390                 | 1510                        | 8.00  | 5           |
| 1402249A - February Accelerated | MW-25 | Total Dissolved Solids | 2820                 | 2510                        | 11.4  | 5           |
| 1402354B - February Accelerated | MW-31 | Total Dissolved Solids | 1540                 | 1460                        | 5.87  | 5           |
| 1402473A - February Accelerated | MW-11 | Total Dissolved Solids | 2000                 | 1840                        | 8.75  | 5           |
| 341206 - January Accelerated    | MW-35 | Gross Alpha            | 4.12                 | 5.89                        | 35.3  | 20          |

Tab H

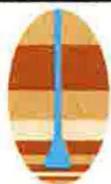
Kriged Current Quarterly Groundwater Contour Map



**EXPLANATION**

-  estimated dry area
- MW-5**  
 5503 perched monitoring well showing elevation in feet amsl
- TW4-12**  
 5582 temporary perched monitoring well showing elevation in feet amsl
- TWN-7**  
 5563 temporary perched nitrate monitoring well showing elevation in feet amsl
- PIEZ-1**  
 5592 perched piezometer showing elevation in feet amsl
- TW4-32**  
 5563 temporary perched monitoring well installed September, 2013 showing elevation in feet amsl
- RUIN SPRING**  
 5380 seep or spring showing elevation in feet amsl

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells



**HYDRO  
GEO  
CHEM, INC.**

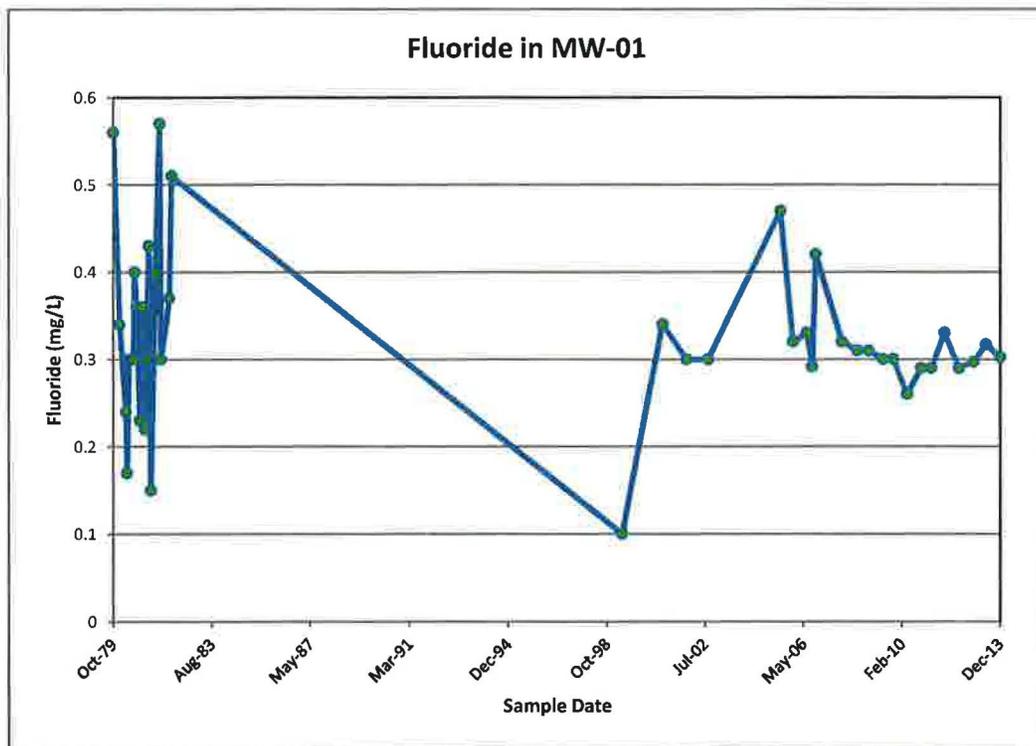
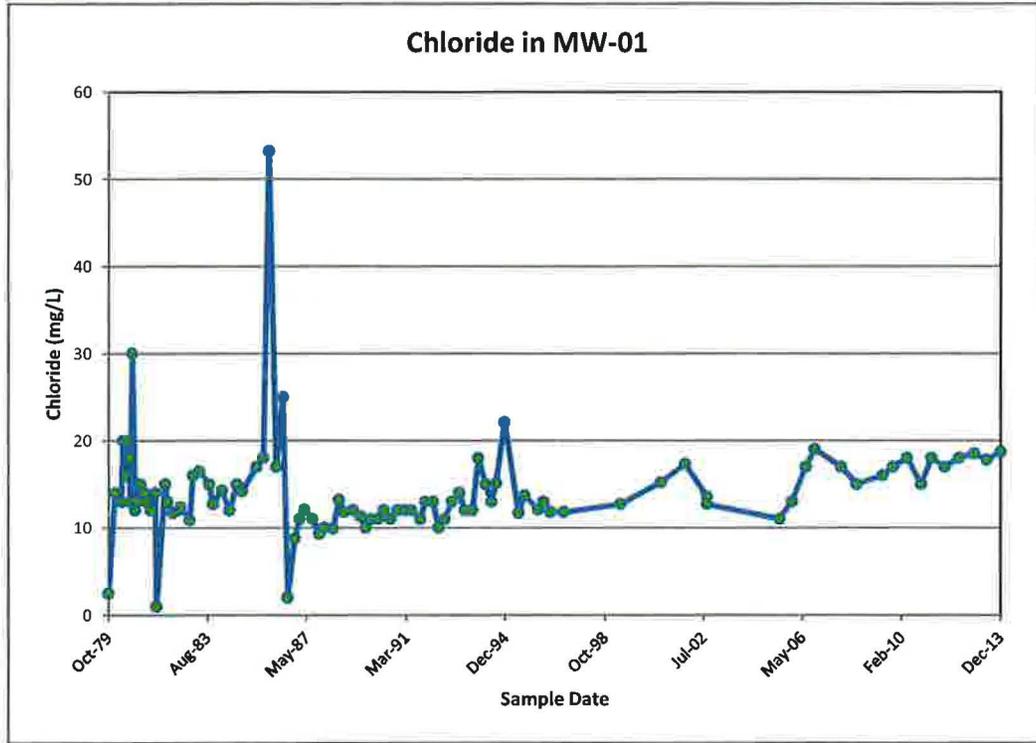
**KRIGED 1st QUARTER, 2014 WATER LEVELS  
WHITE MESA SITE**

| APPROVED | DATE | REFERENCE                  | FIGURE |
|----------|------|----------------------------|--------|
|          |      | H:718000/may14/Uwl0314.srf | H-1    |

Tab I

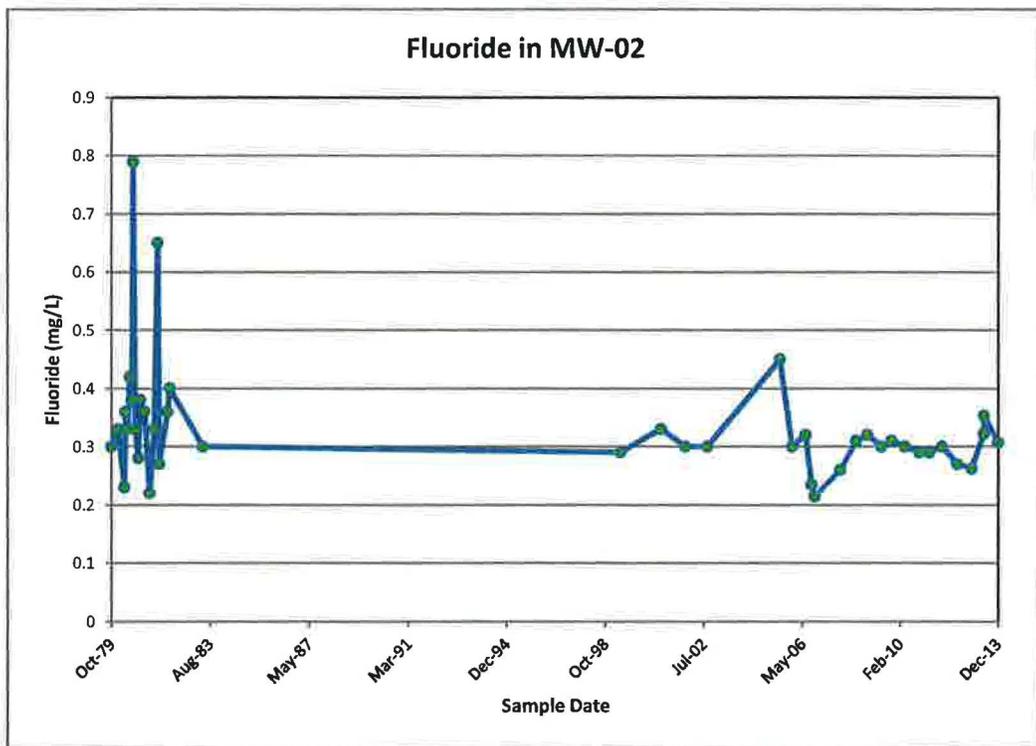
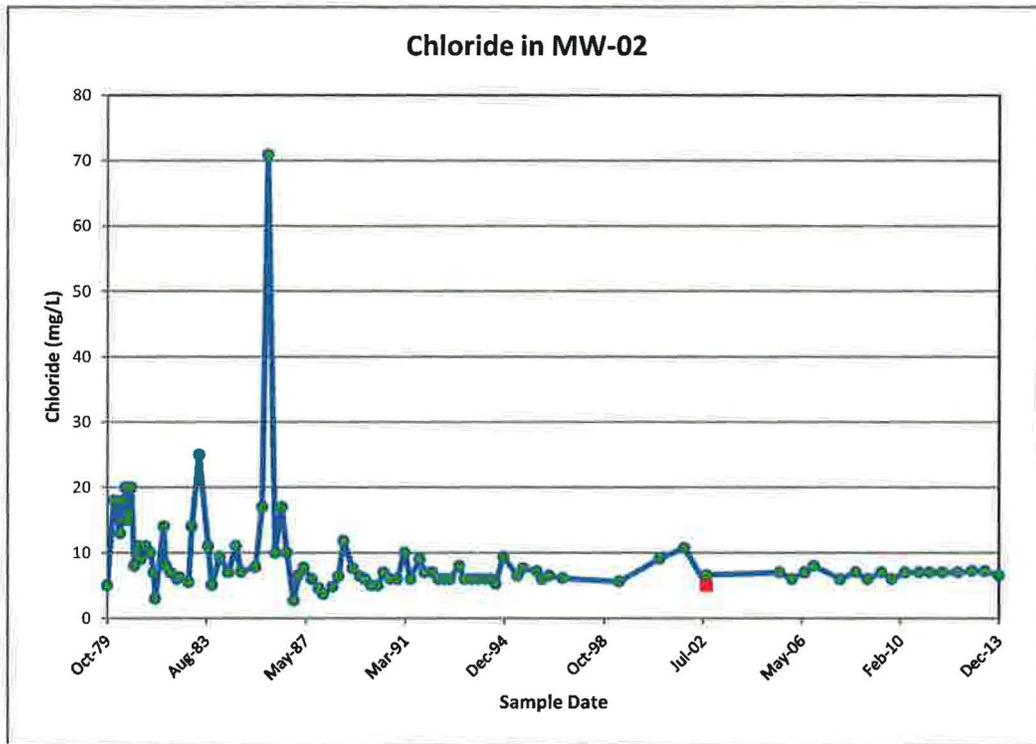
Groundwater Time Concentration Plots

### Time concentration plots for MW-01



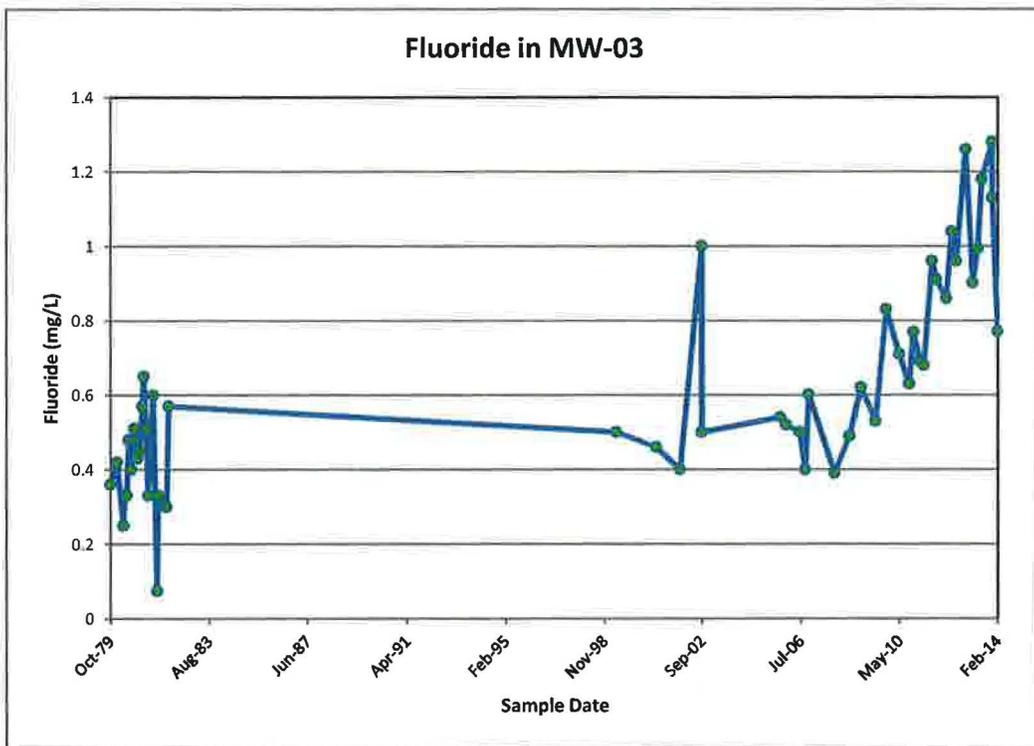
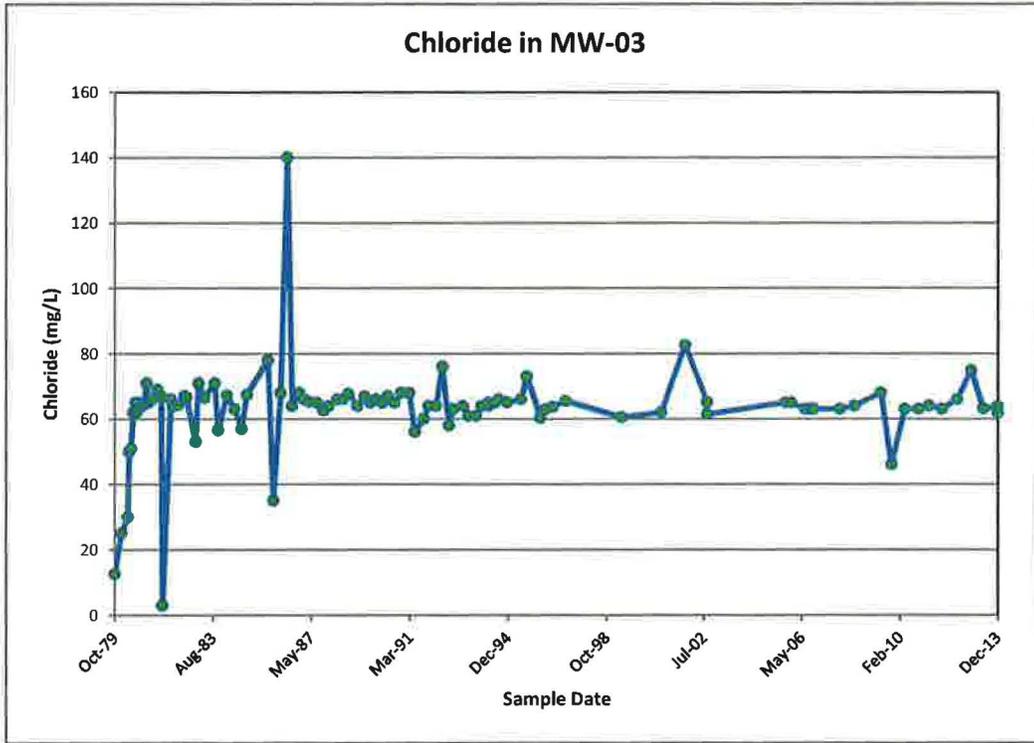


### Time concentration plots for MW-02



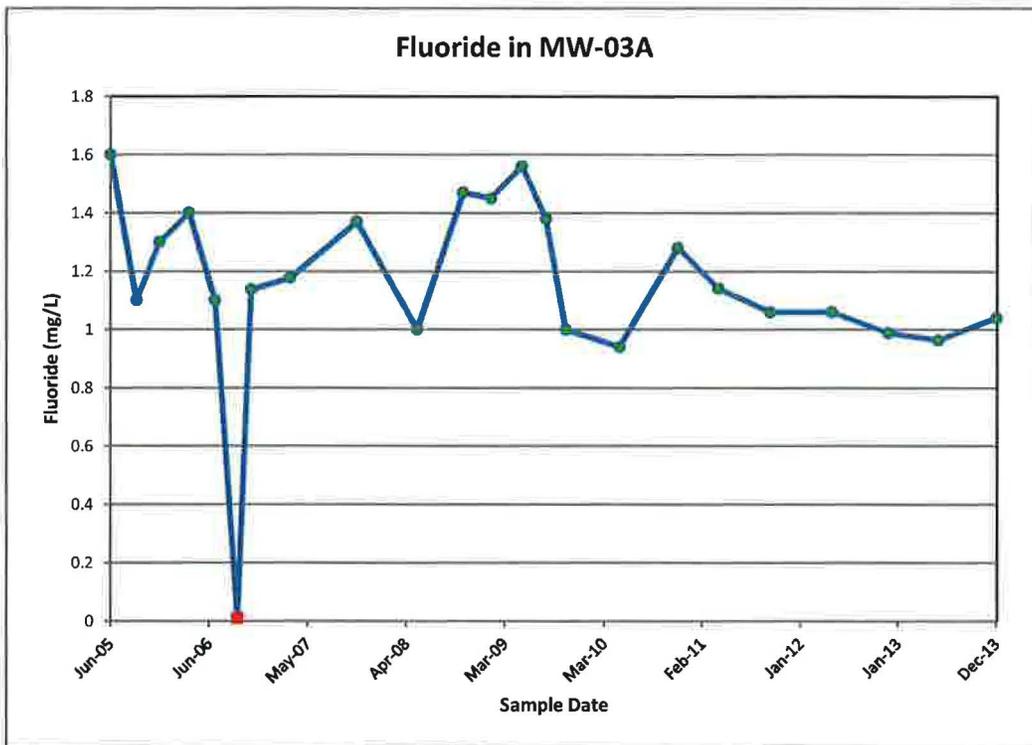
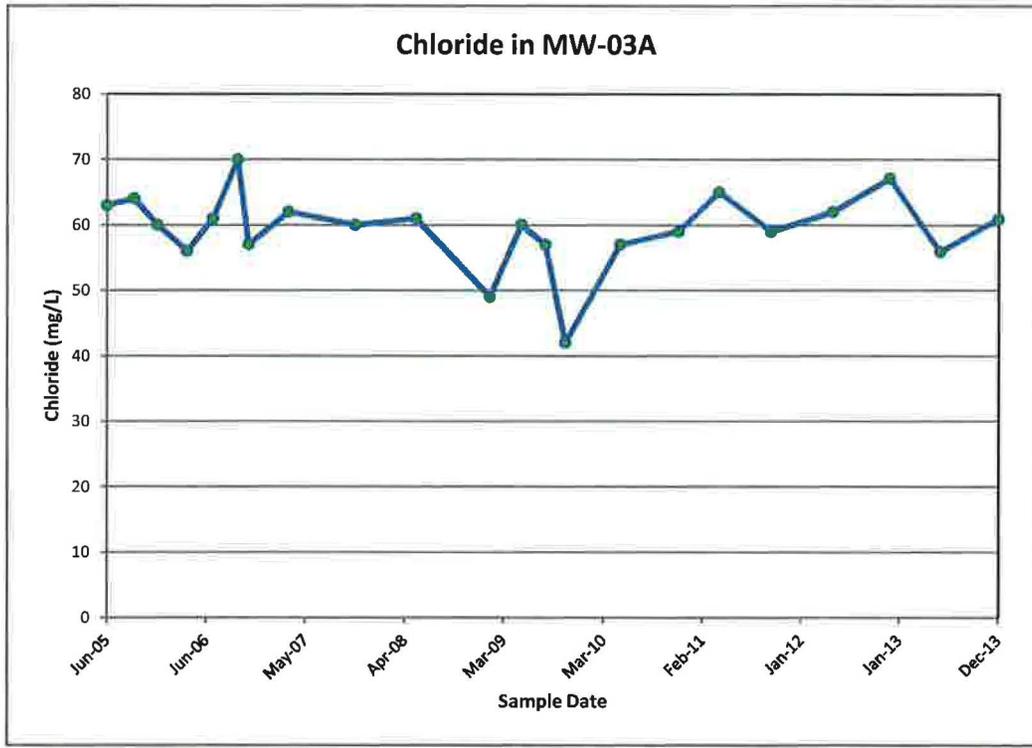


### Time concentration plots for MW-03

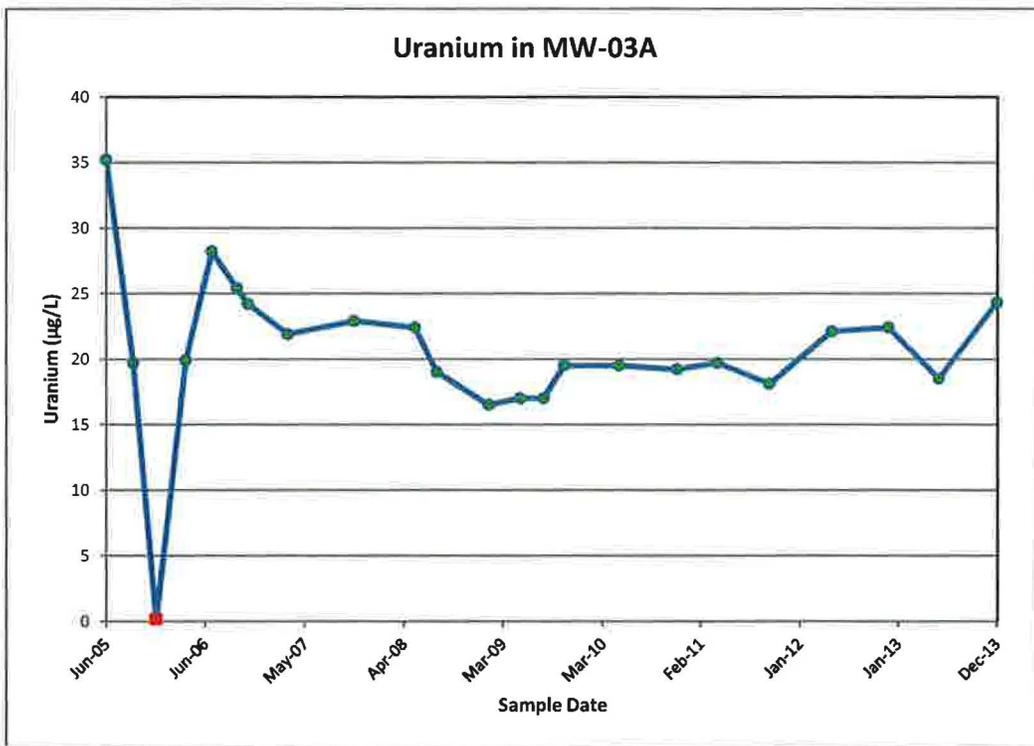
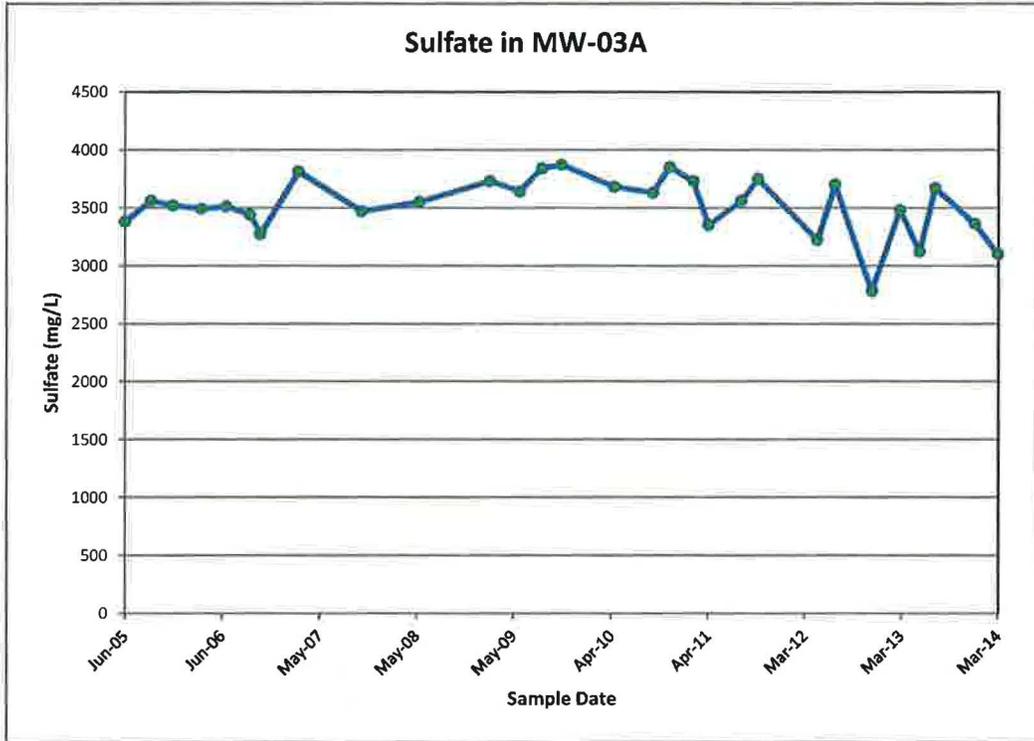




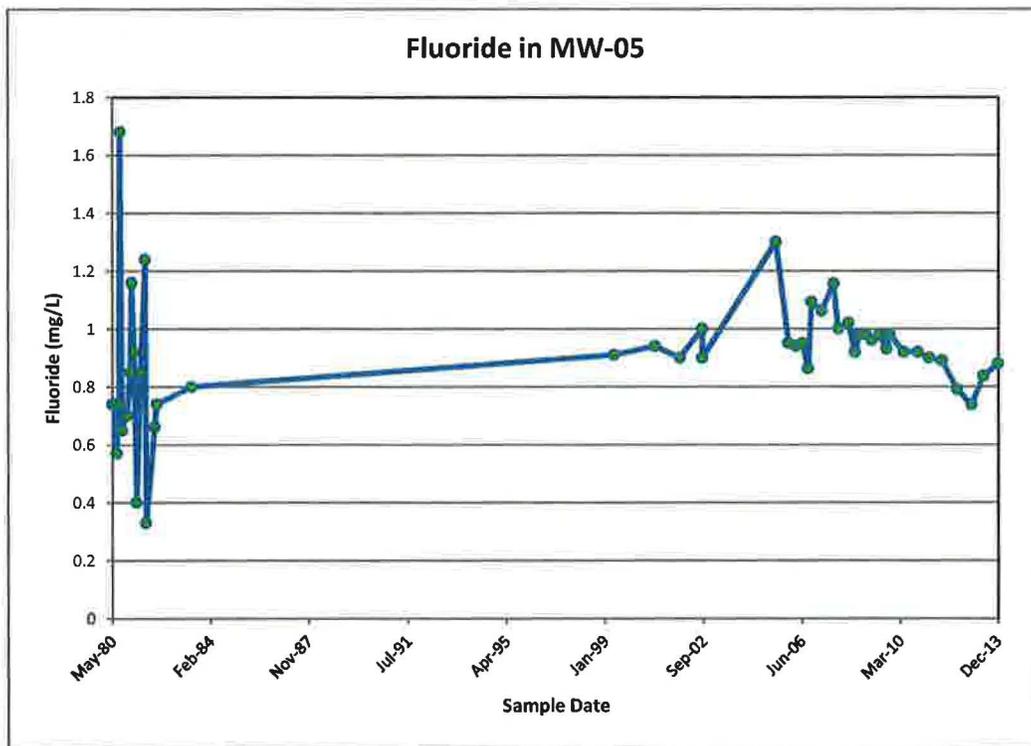
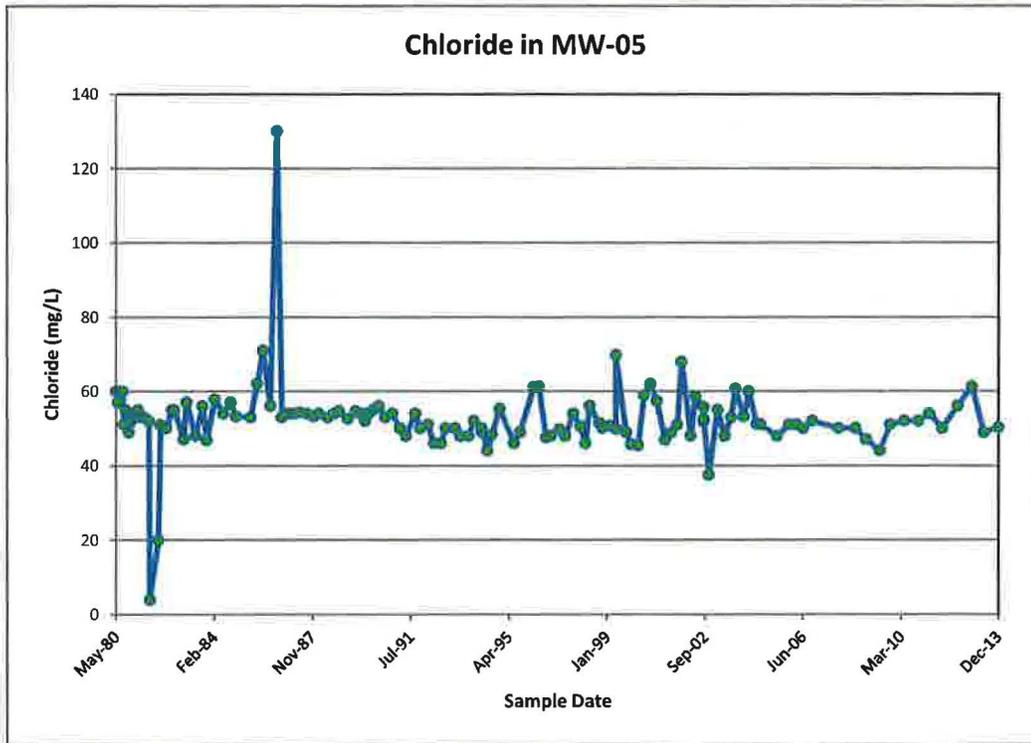
### Time concentration plots for MW-03A



### Time concentration plots for MW-03A



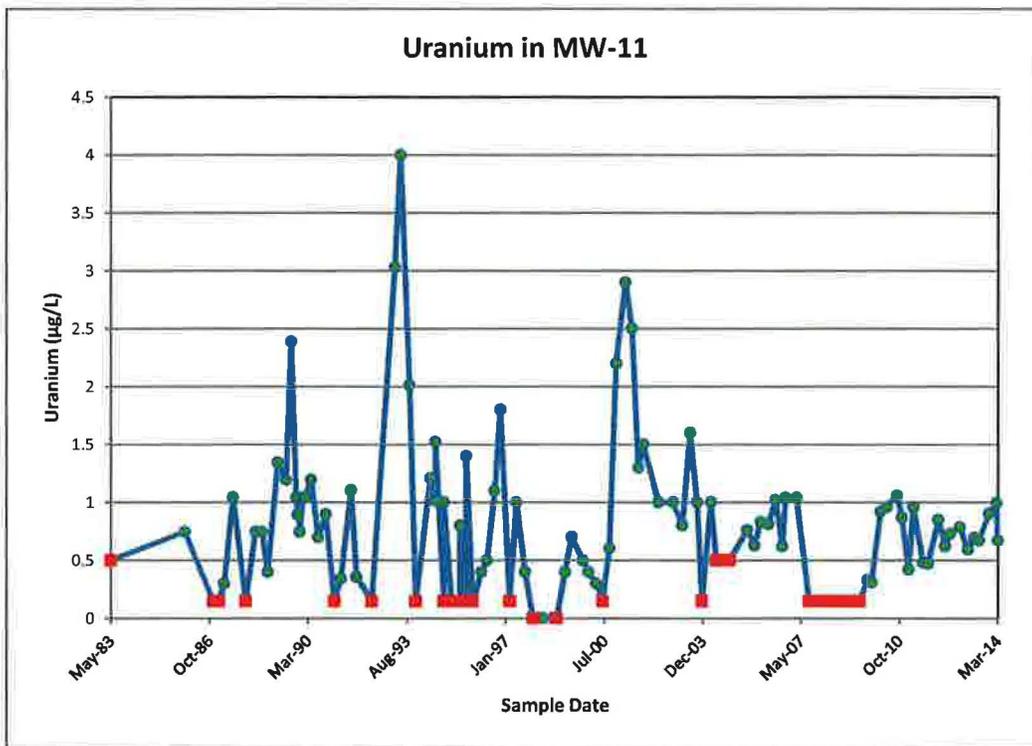
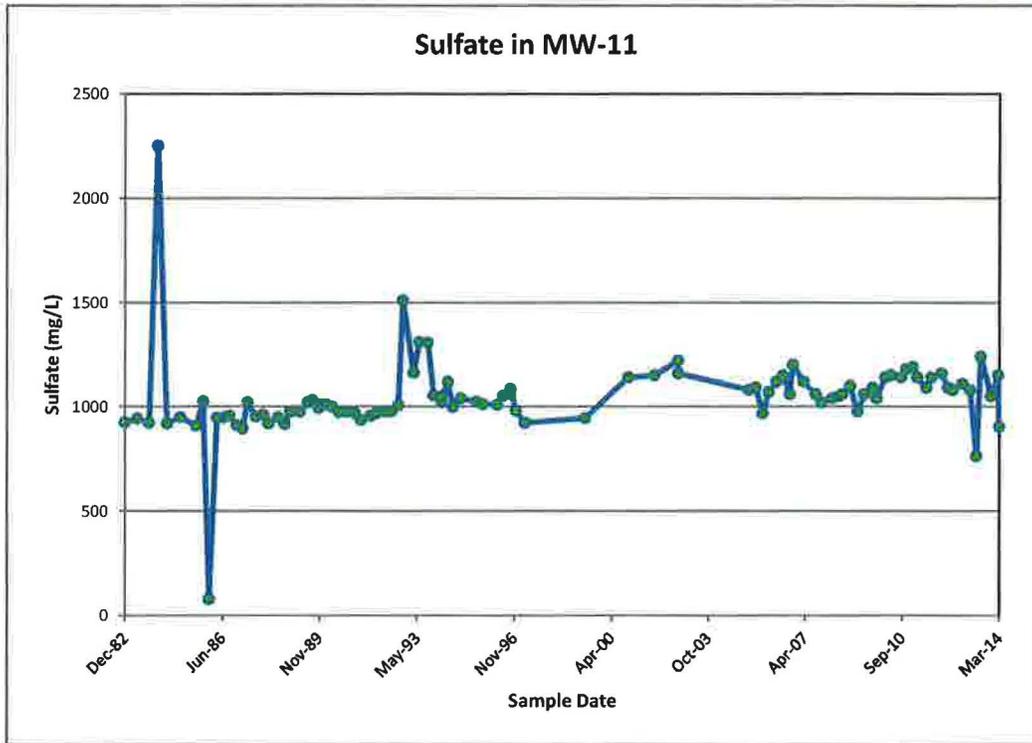
### Time concentration plots for MW-05



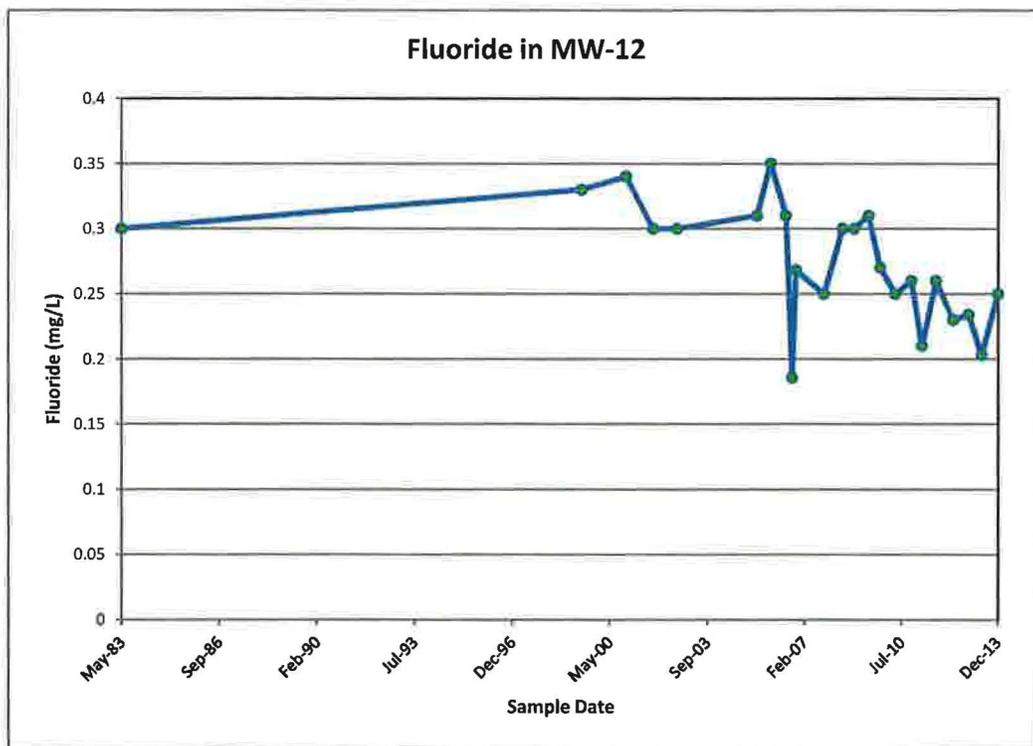
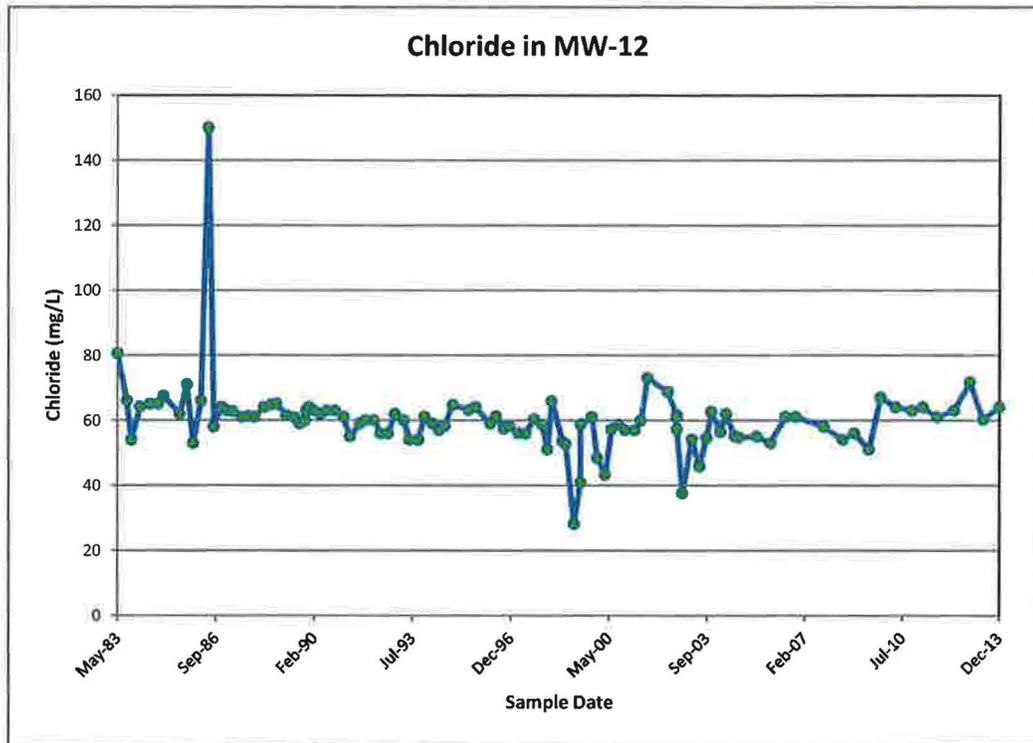




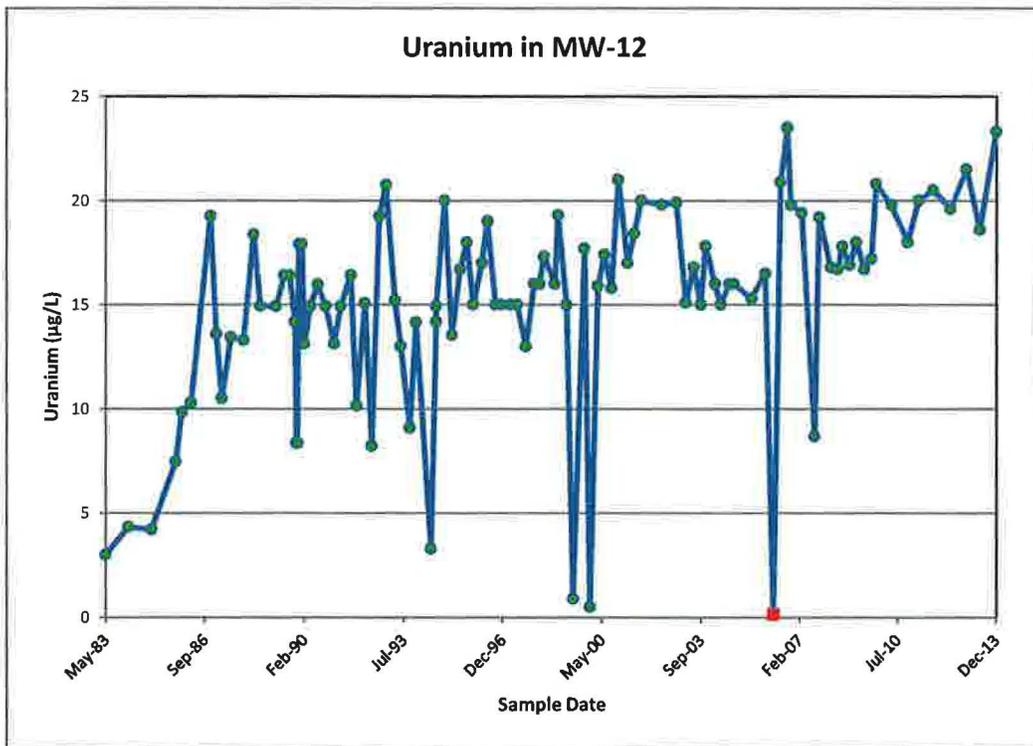
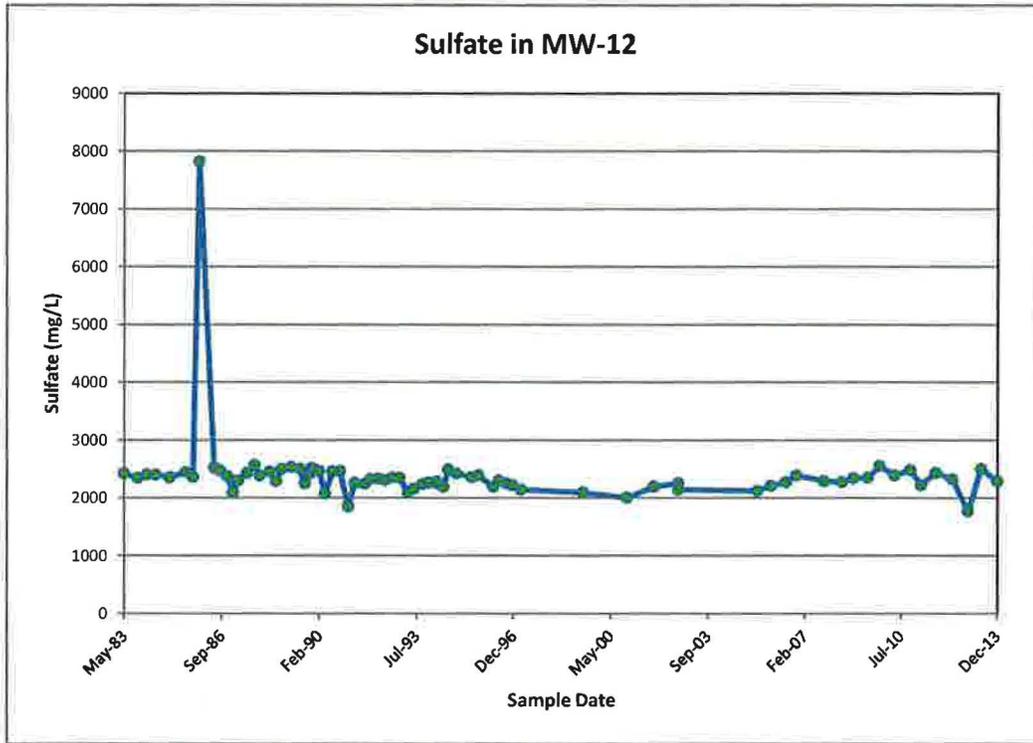
### Time concentration plots for MW-11



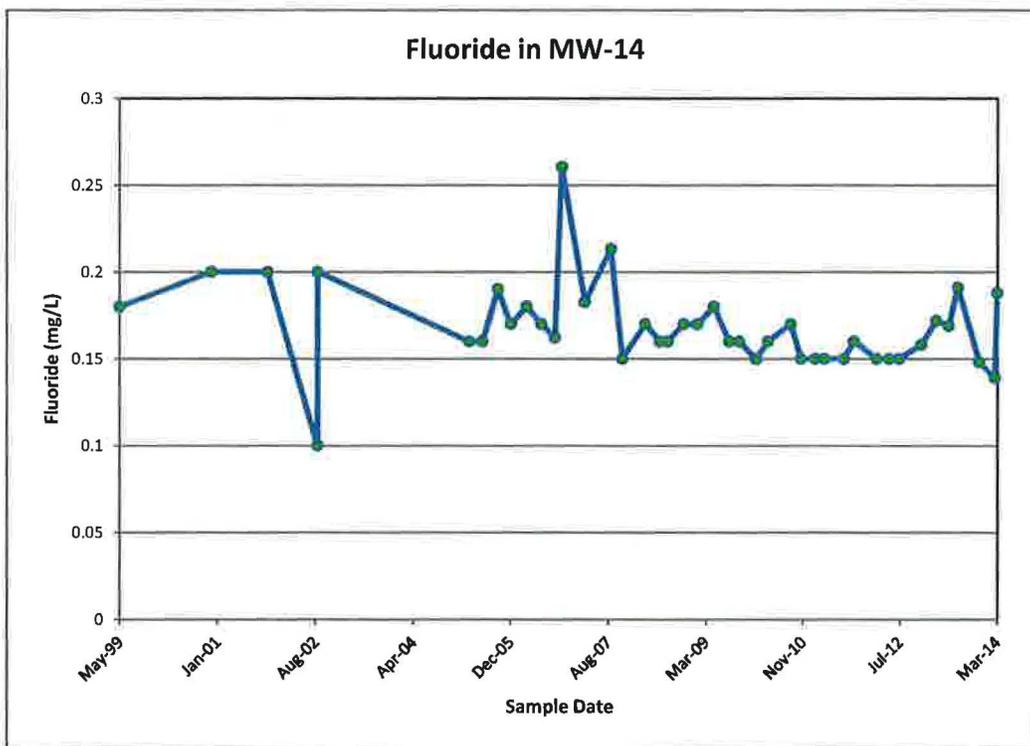
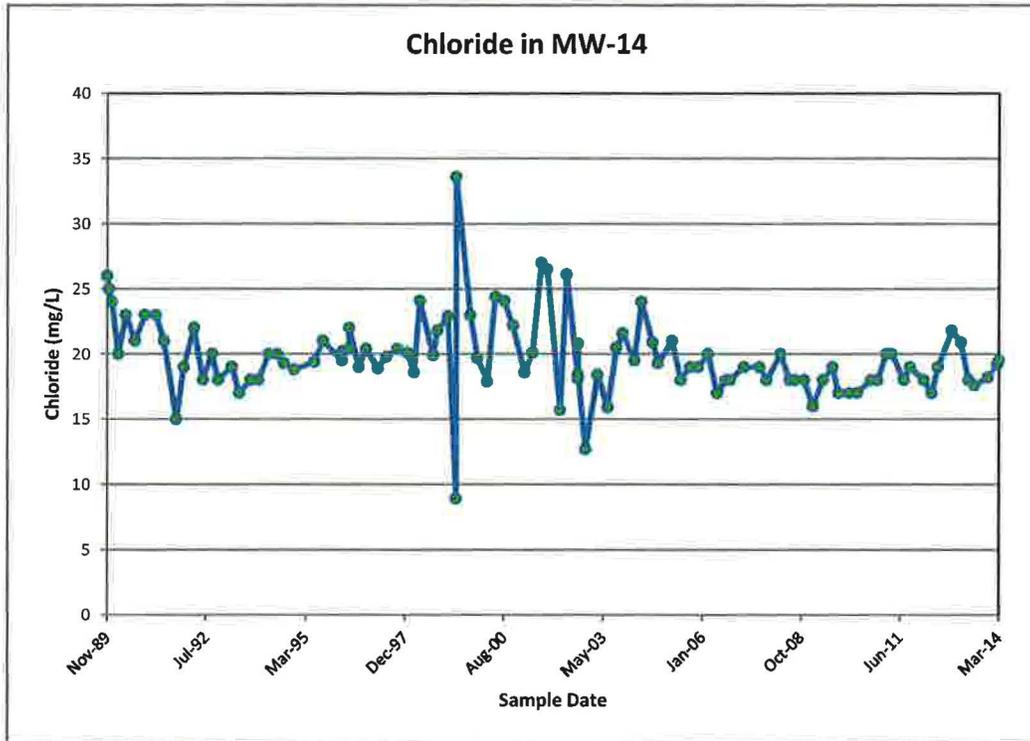
### Time concentration plots for MW-12



### Time concentration plots for MW-12

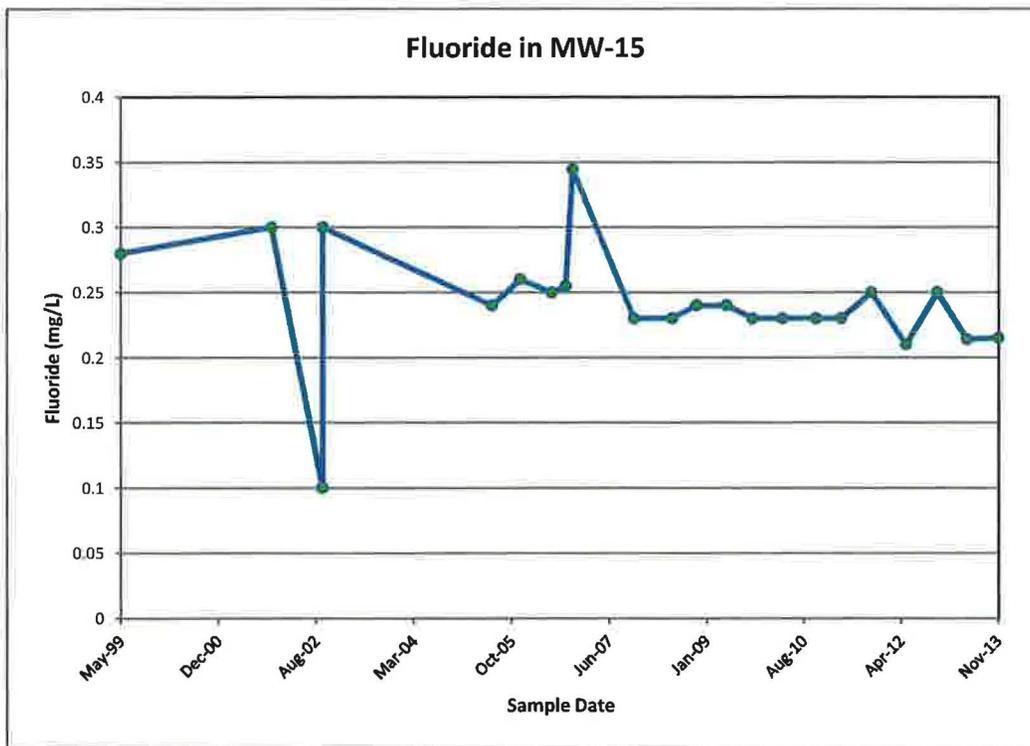
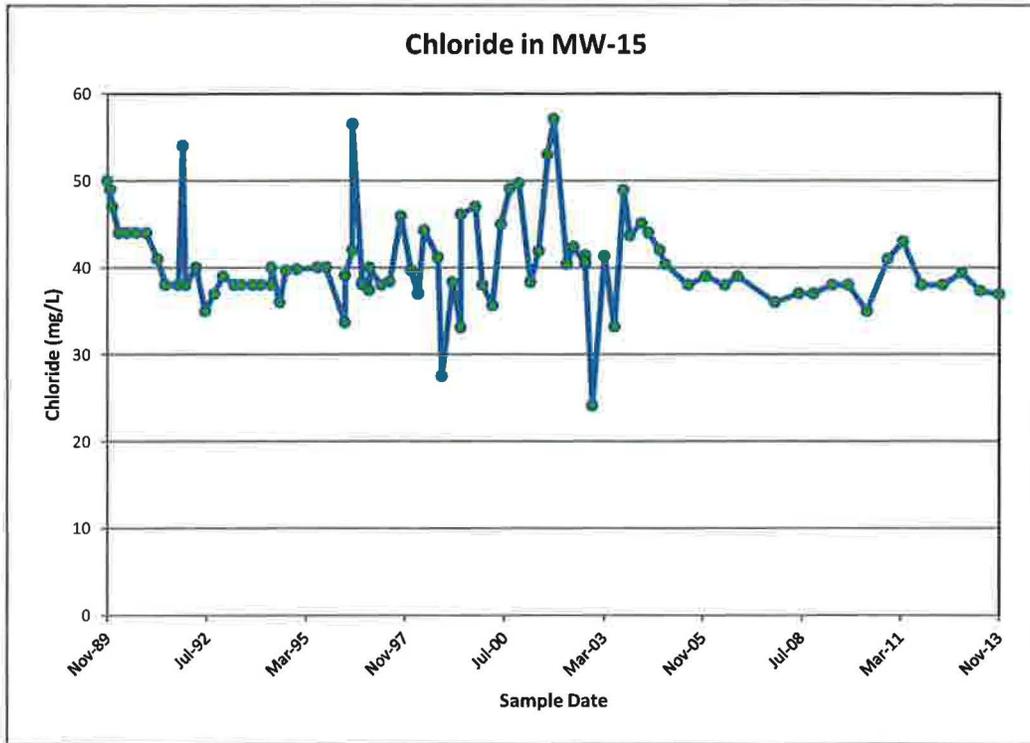


### Time concentration plots for MW-14



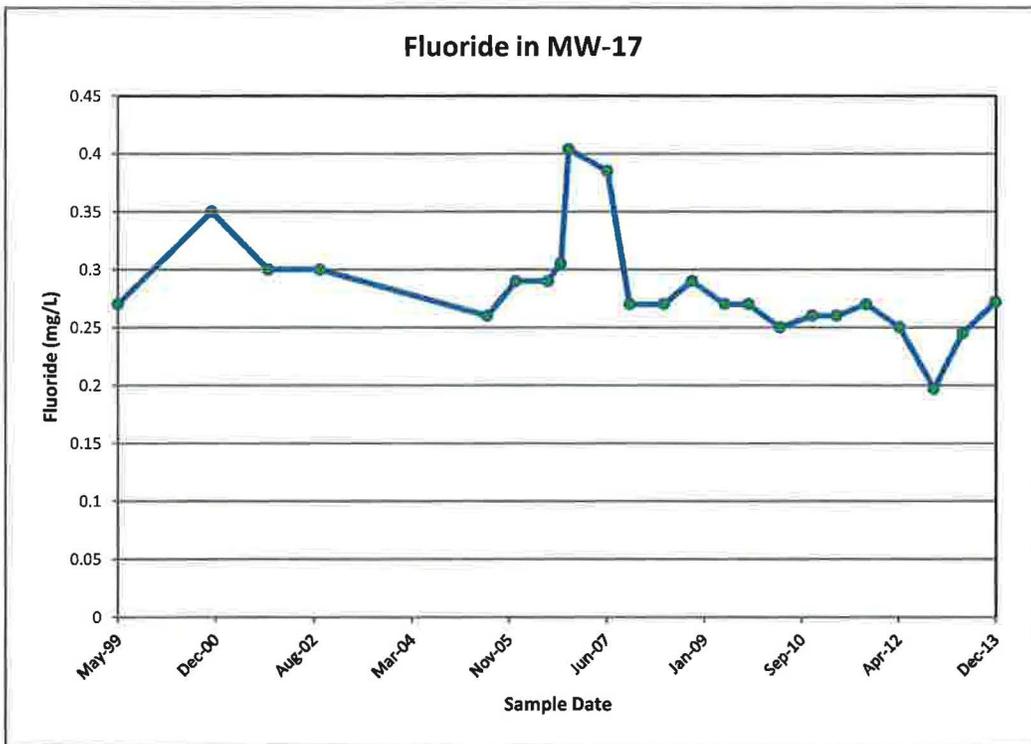
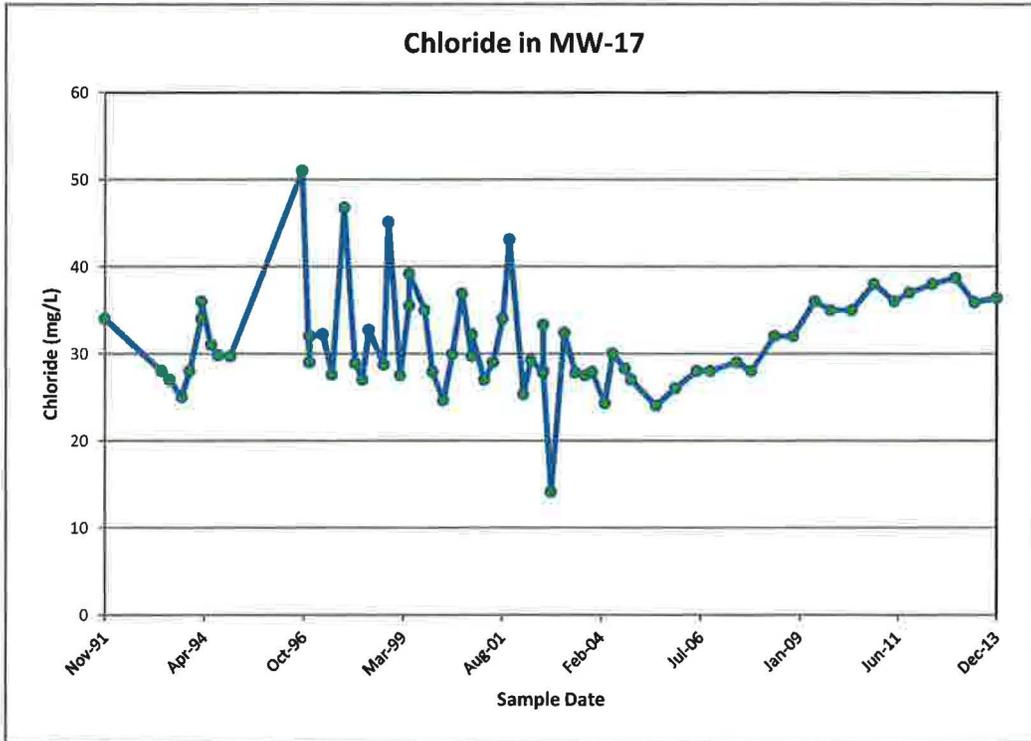


### Time concentration plots for MW-15

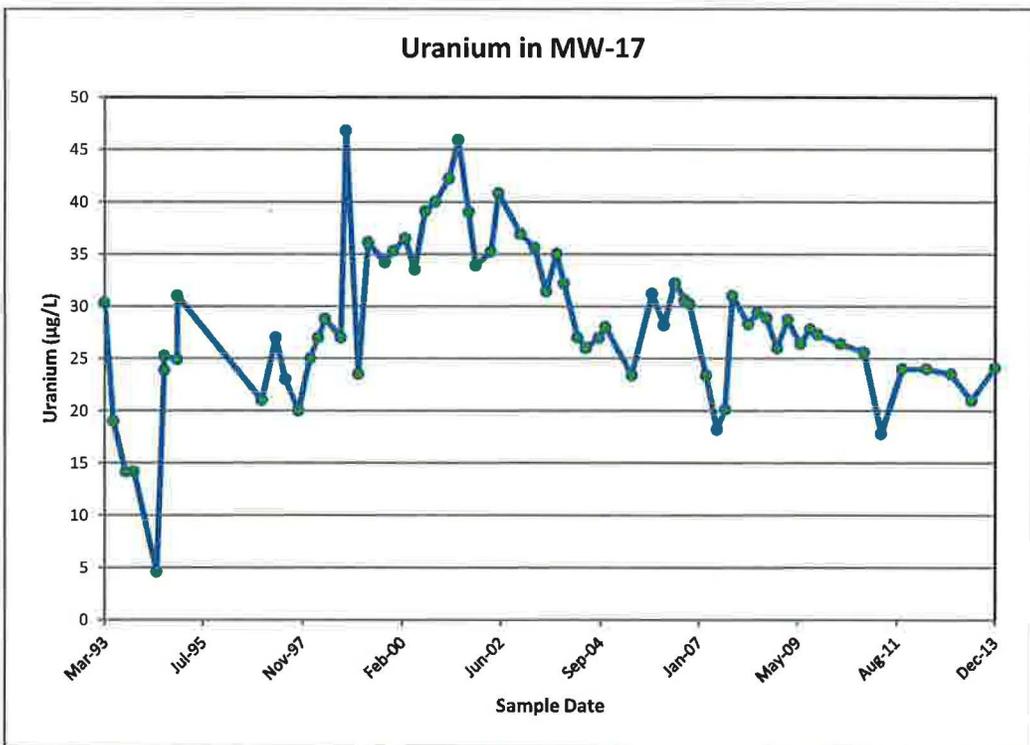
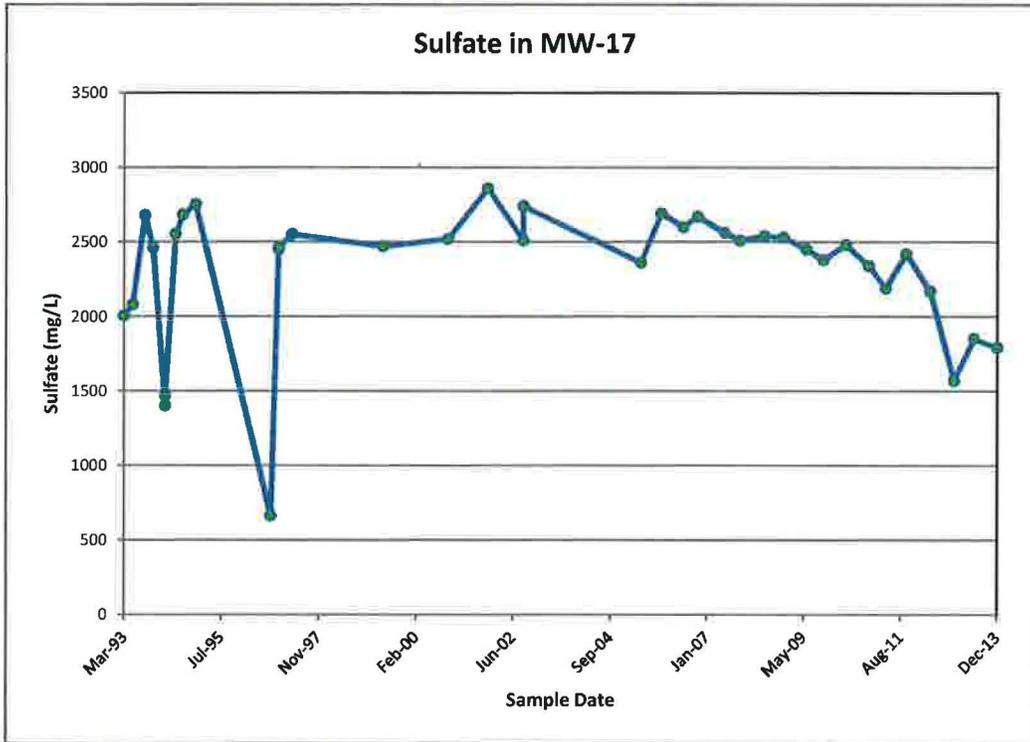




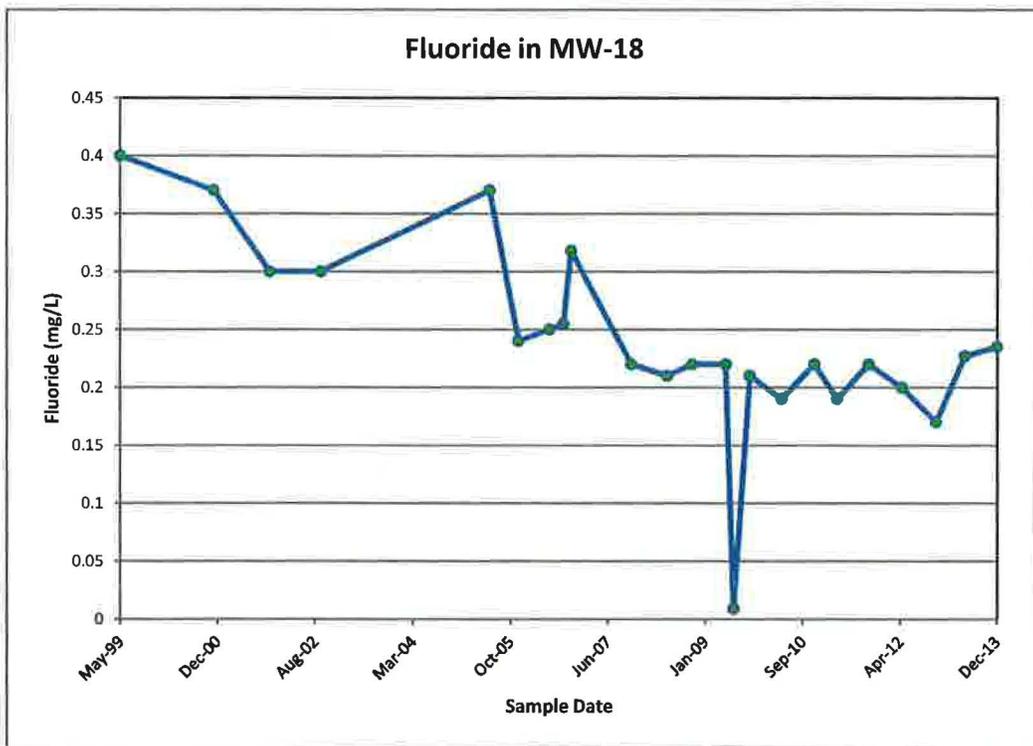
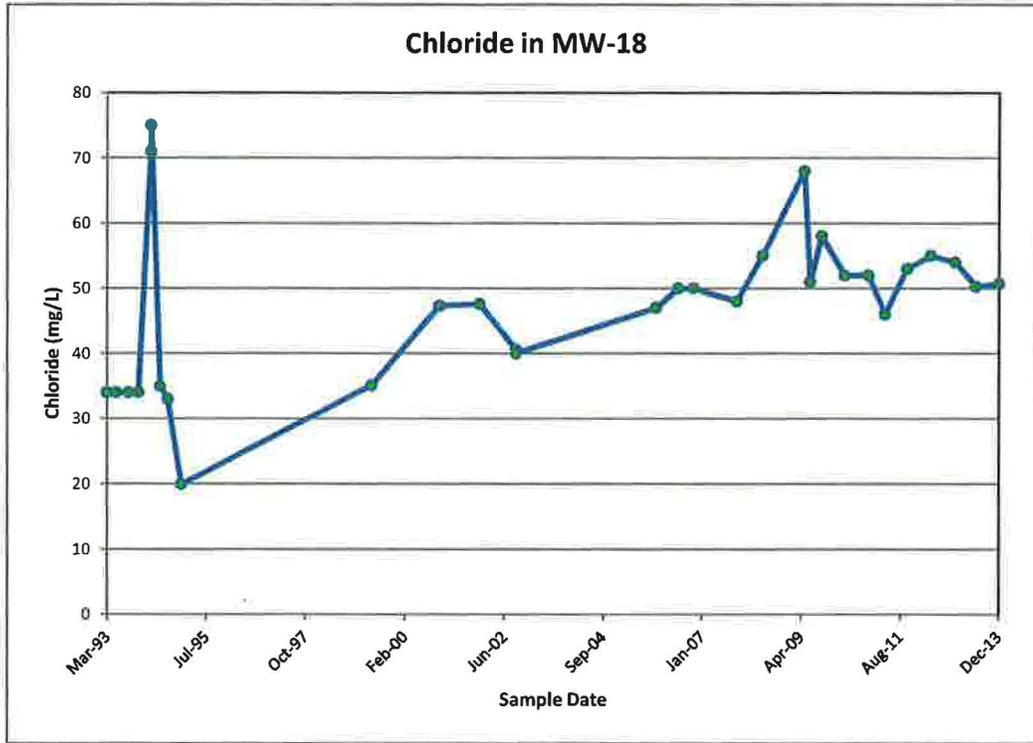
### Time concentration plots for MW-17



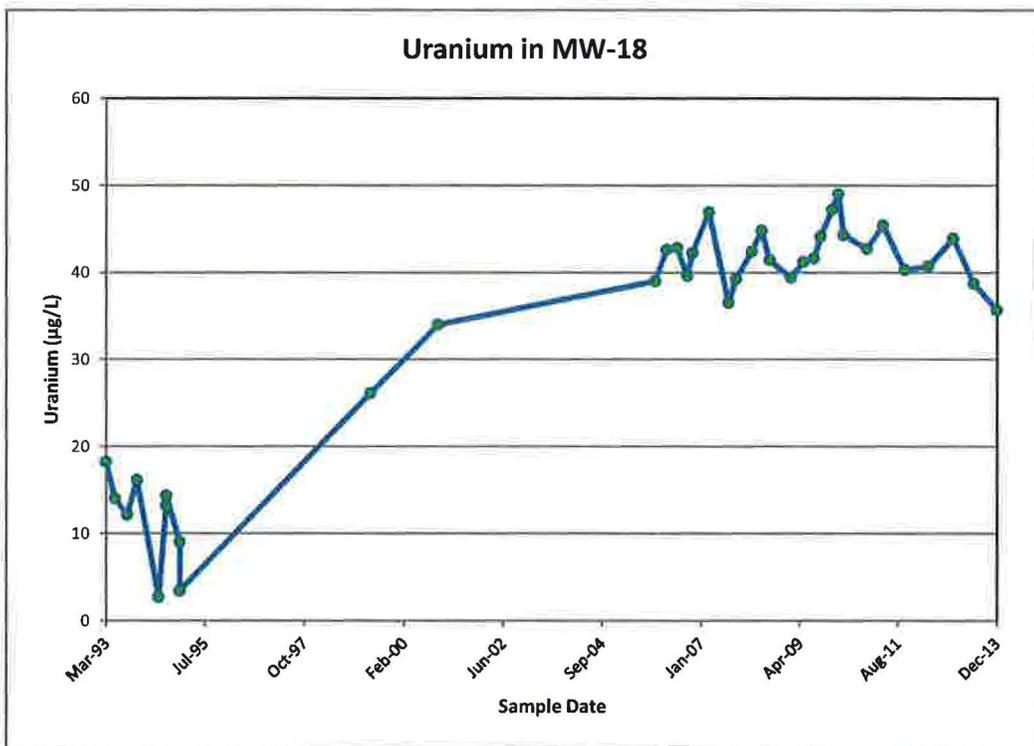
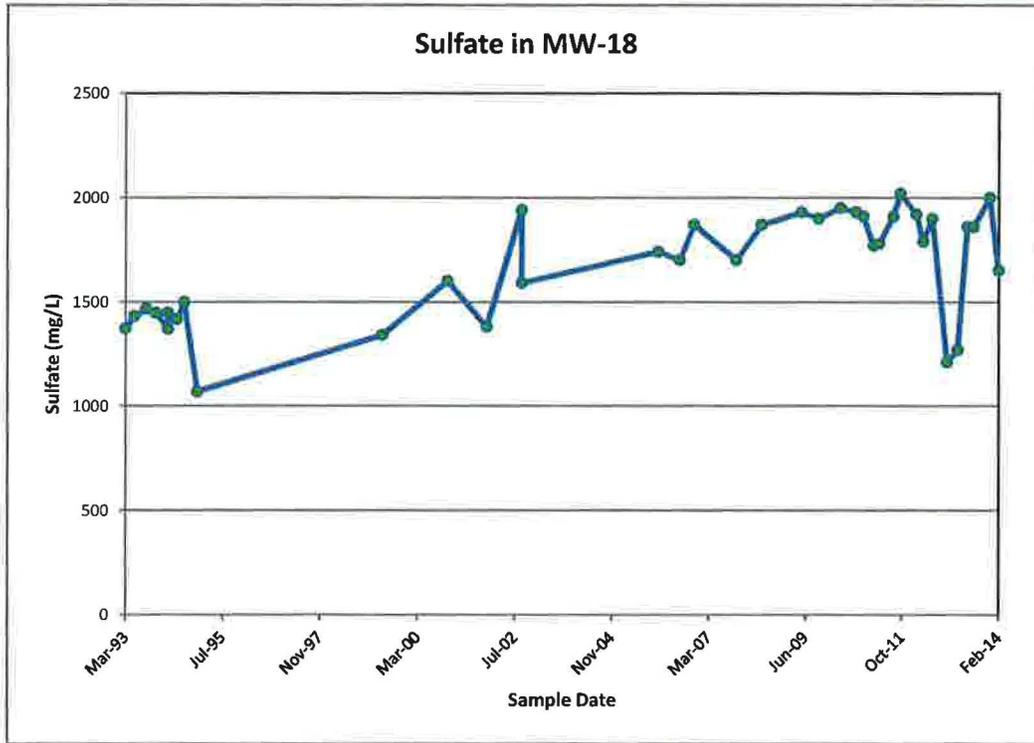
### Time concentration plots for MW-17



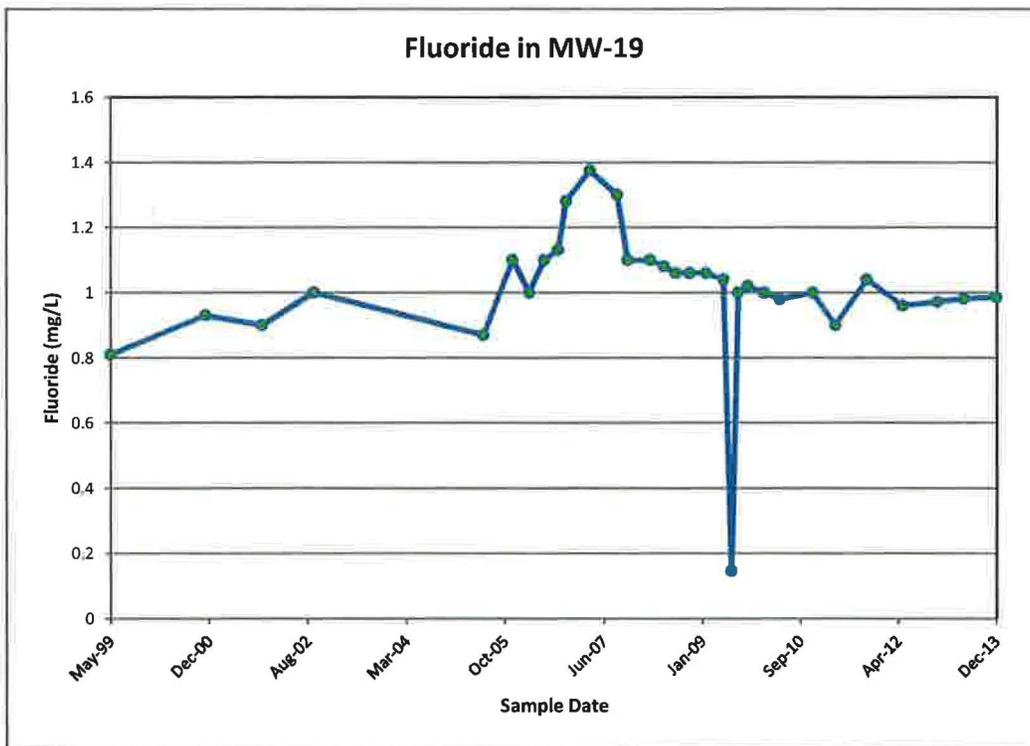
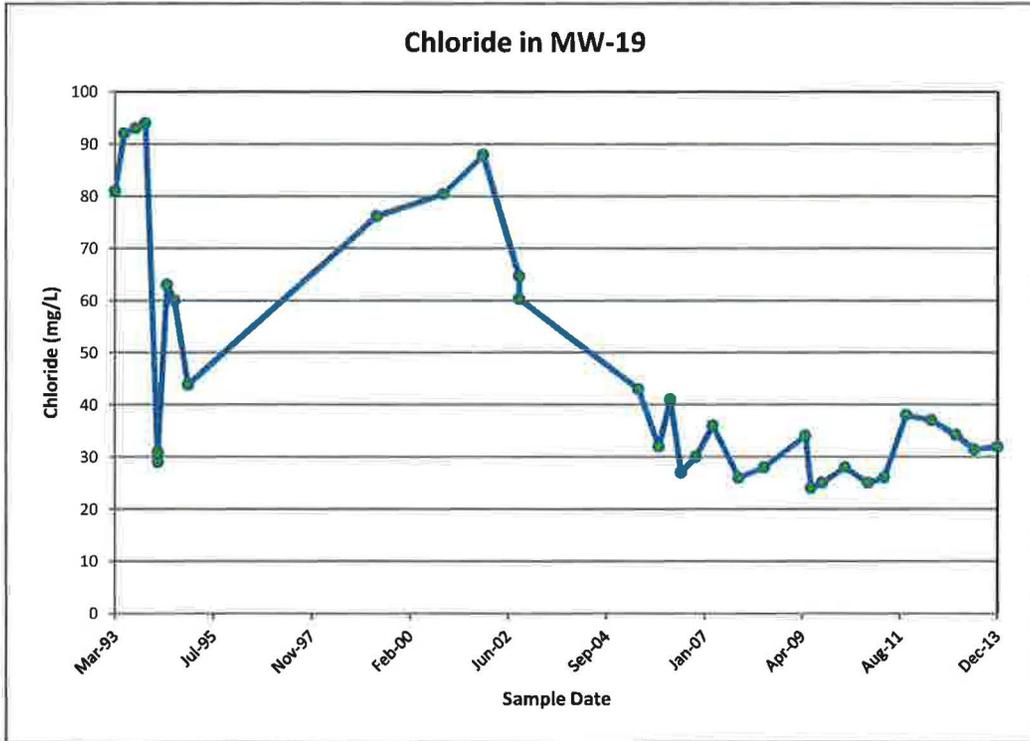
### Time concentration plots for MW-18



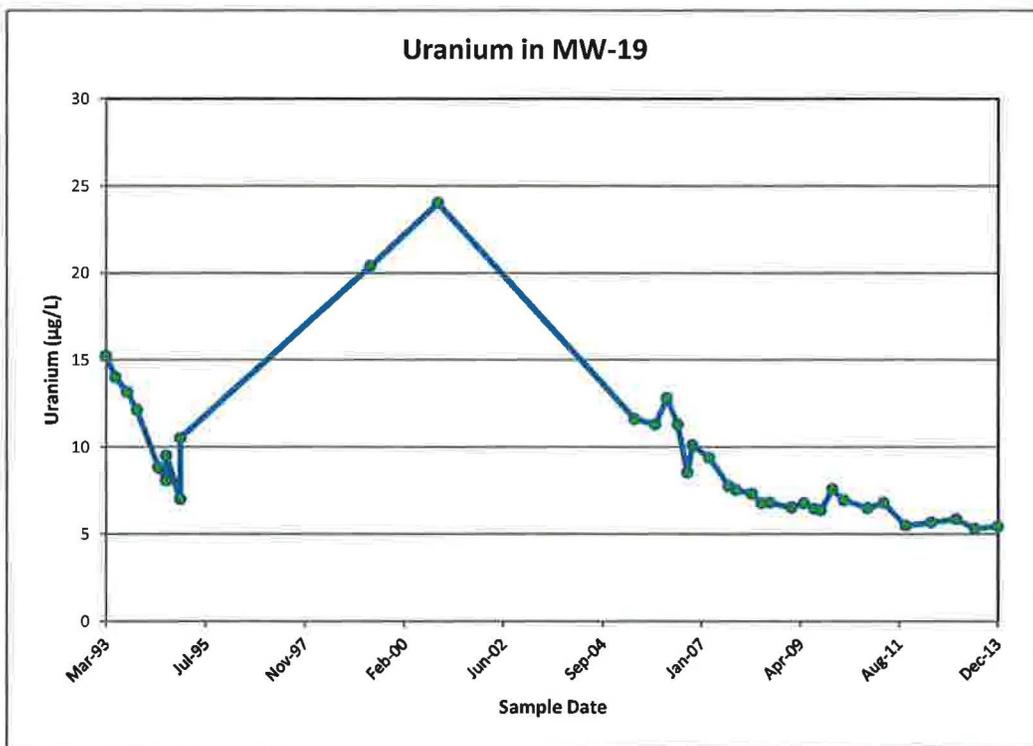
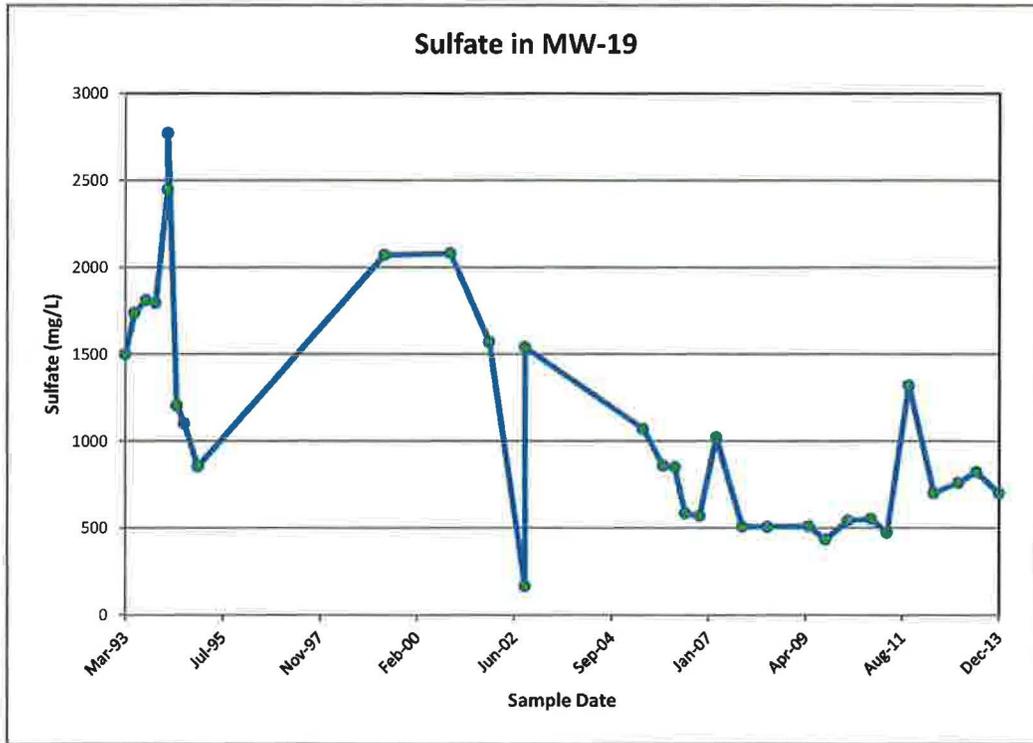
### Time concentration plots for MW-18



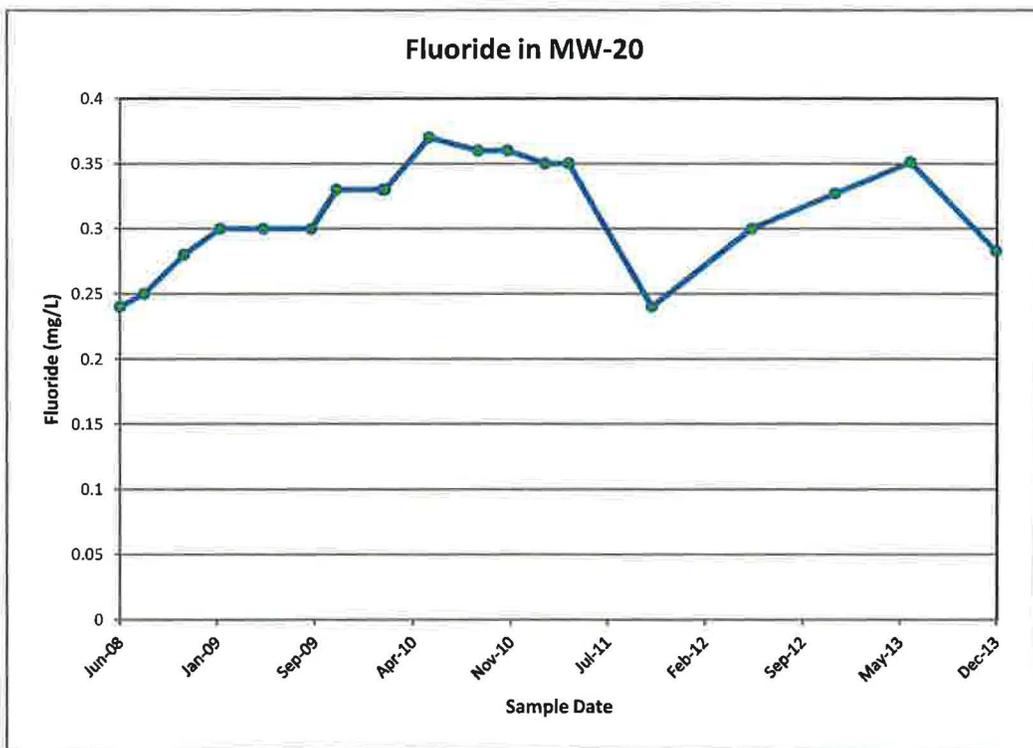
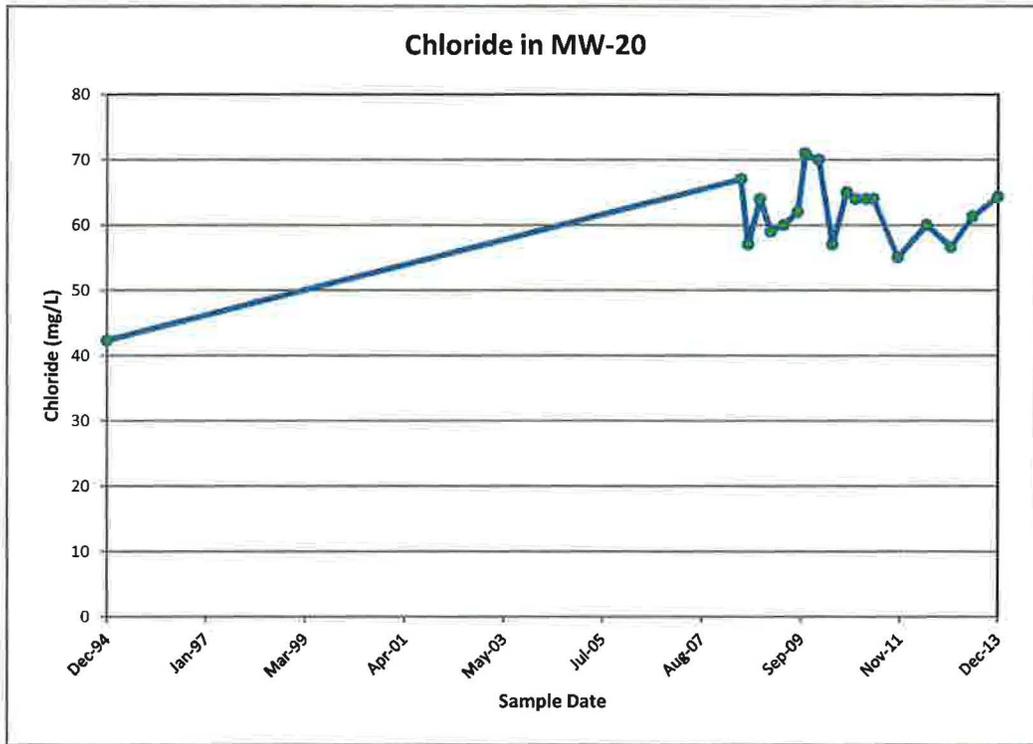
### Time concentration plots for MW-19



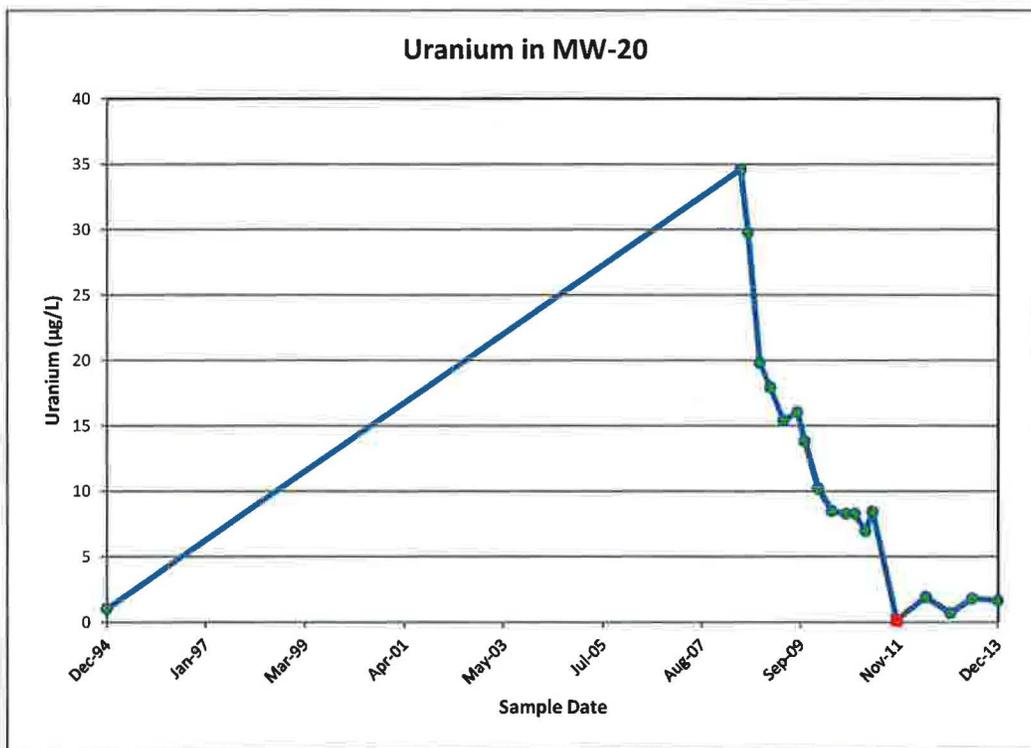
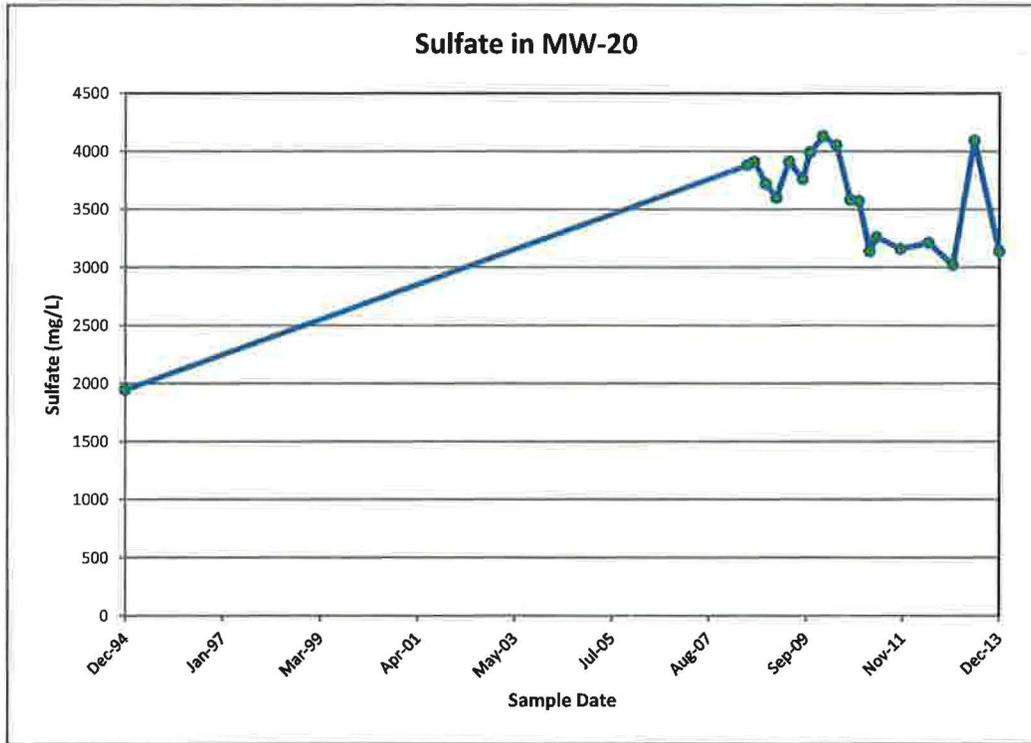
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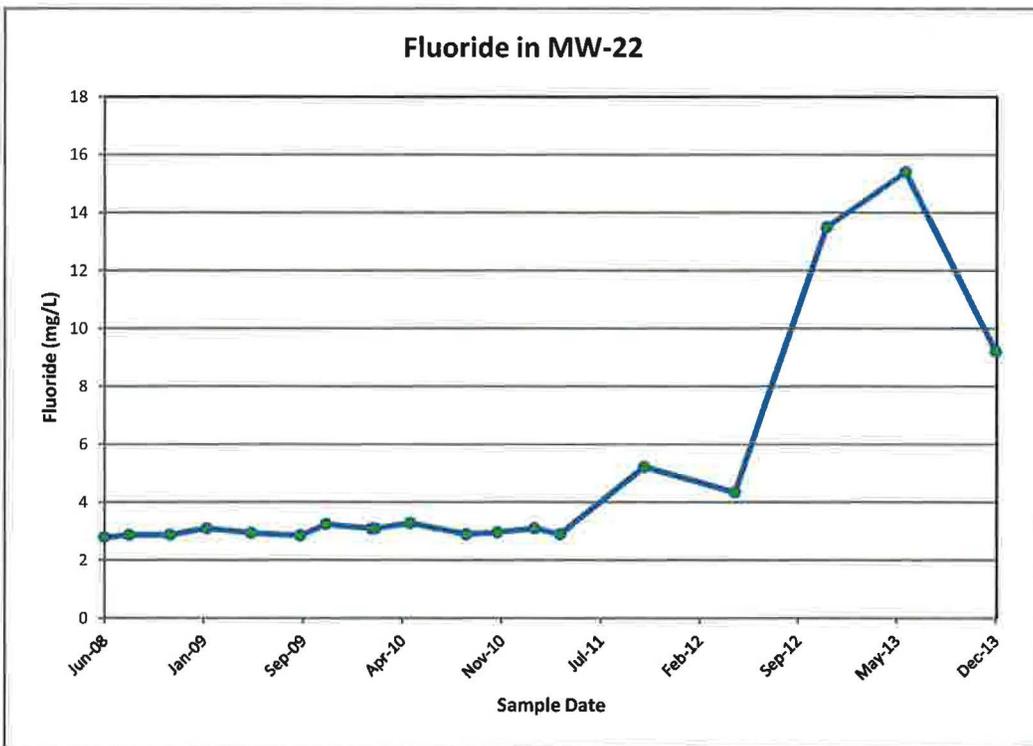
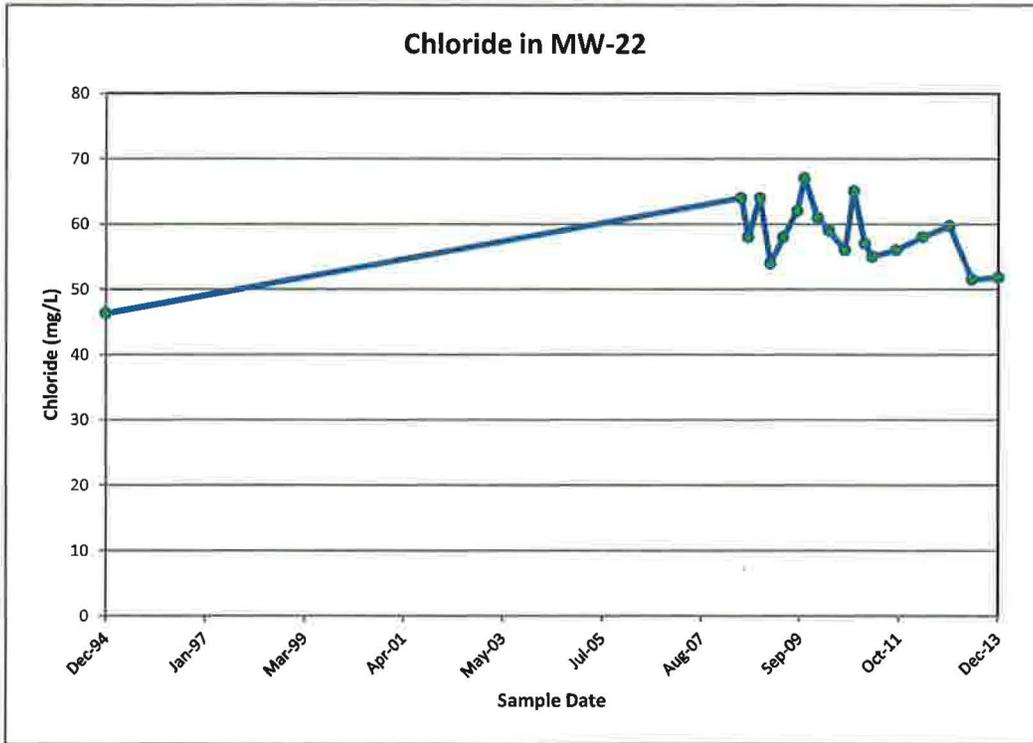
### Time concentration plots for MW-20



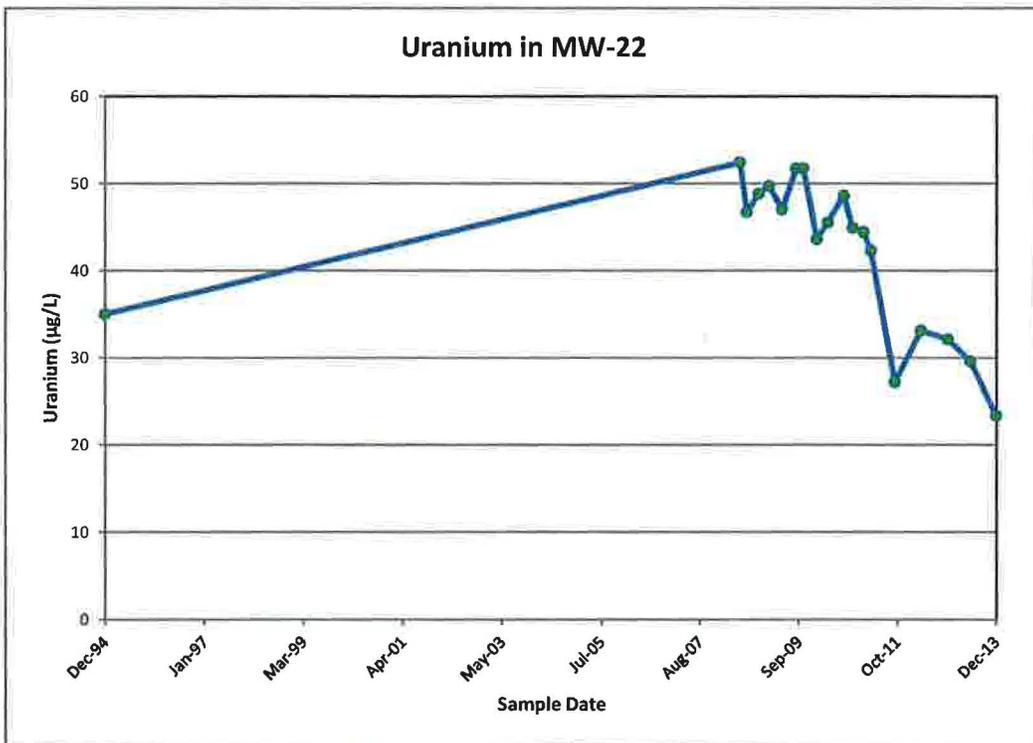
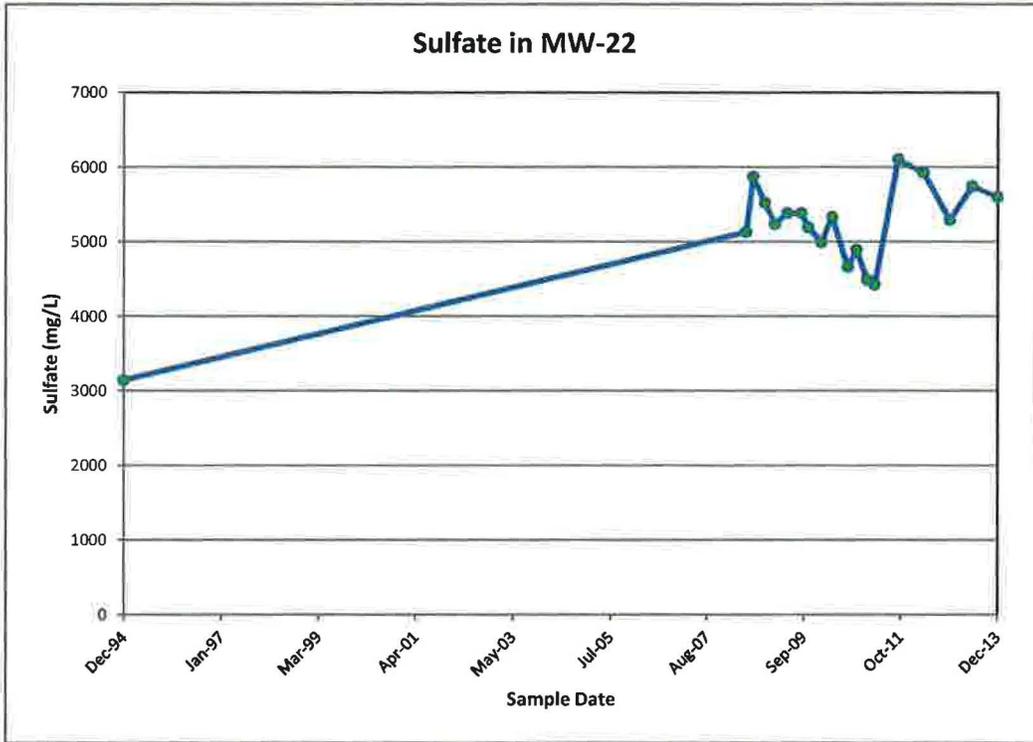
### Time concentration plots for MW-20



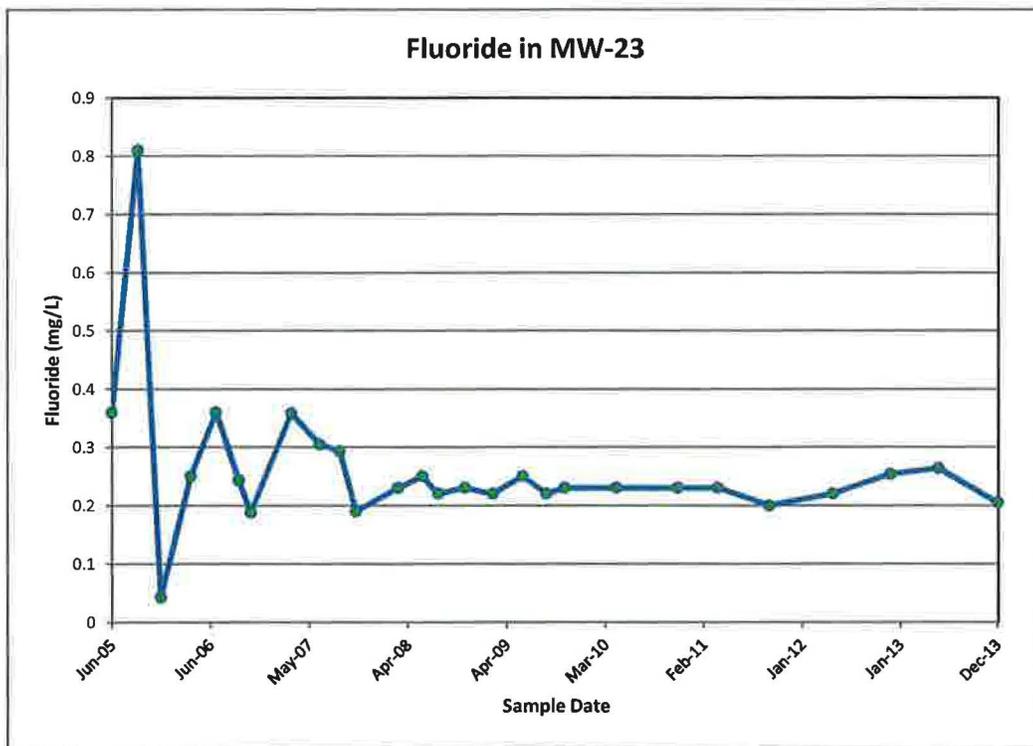
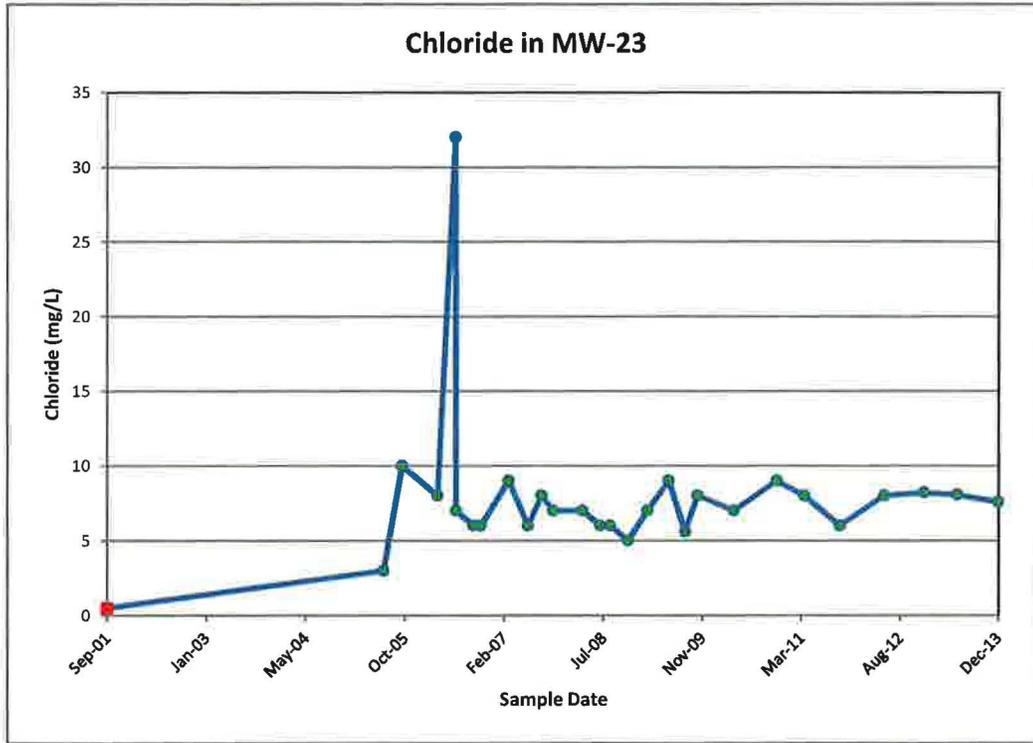
### Time concentration plots for MW-22



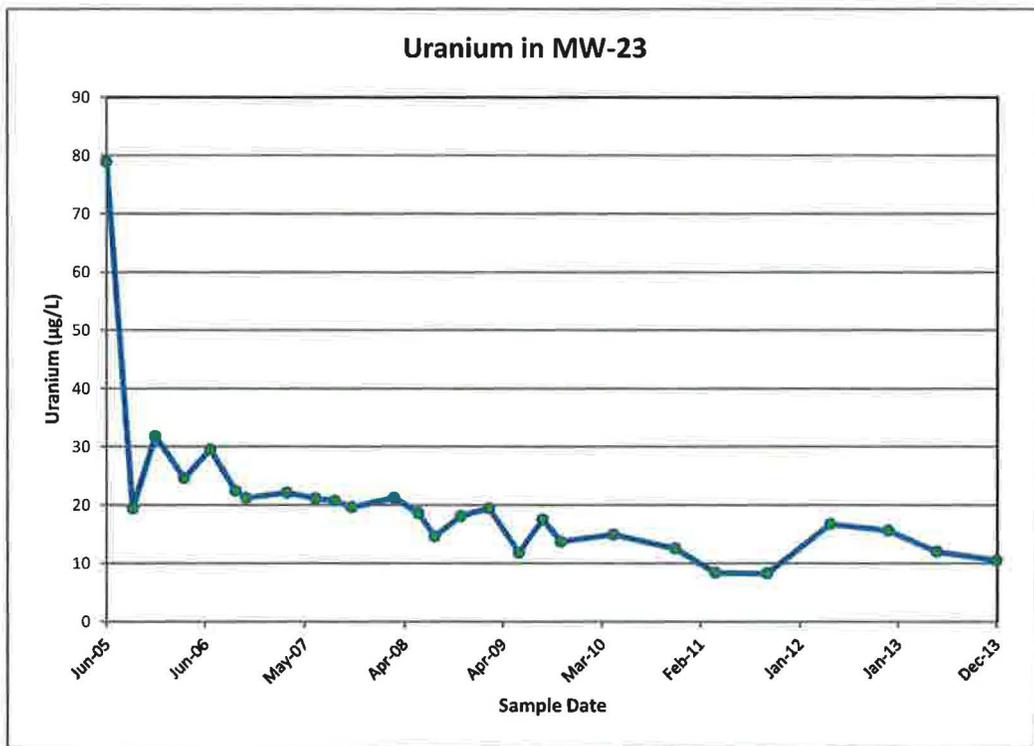
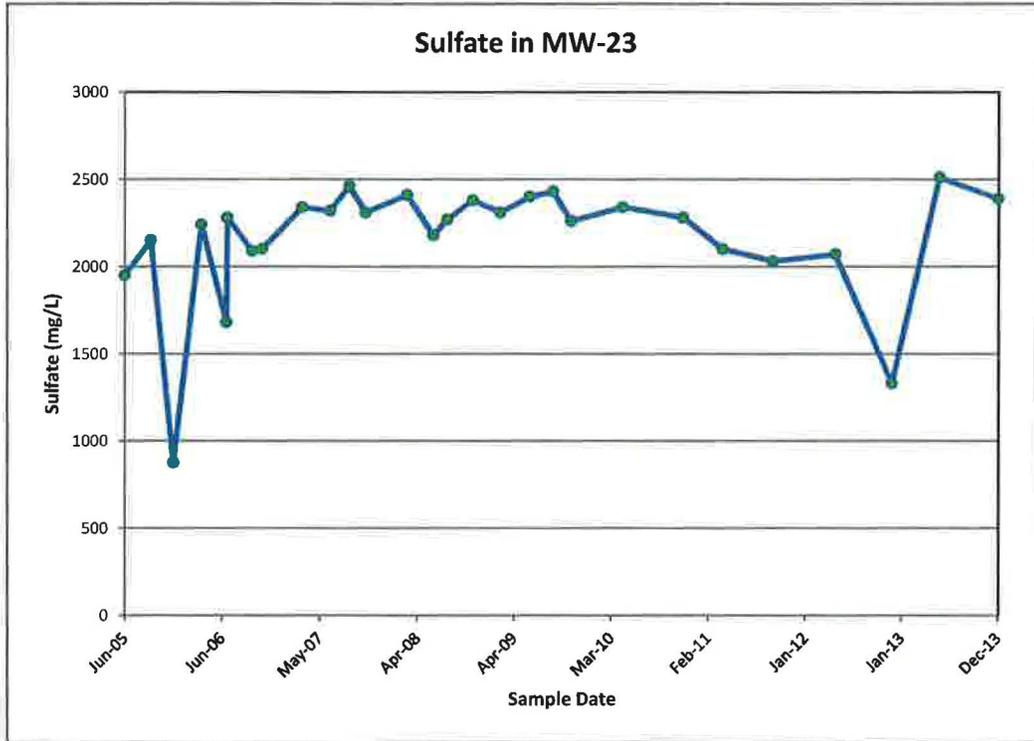
### Time concentration plots for MW-22



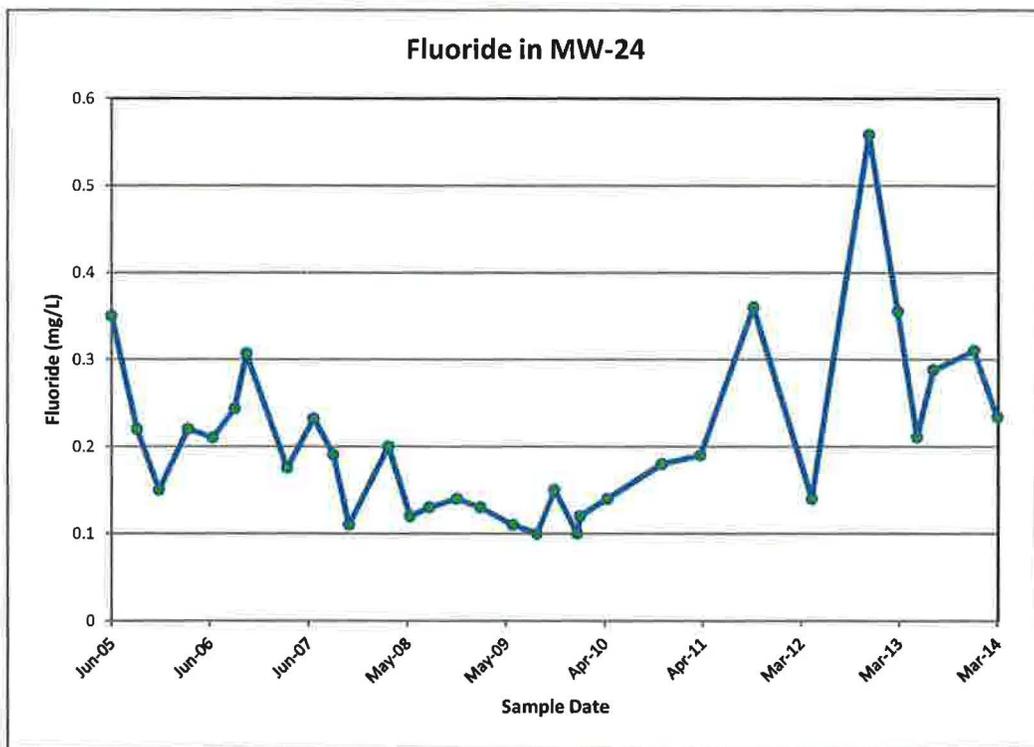
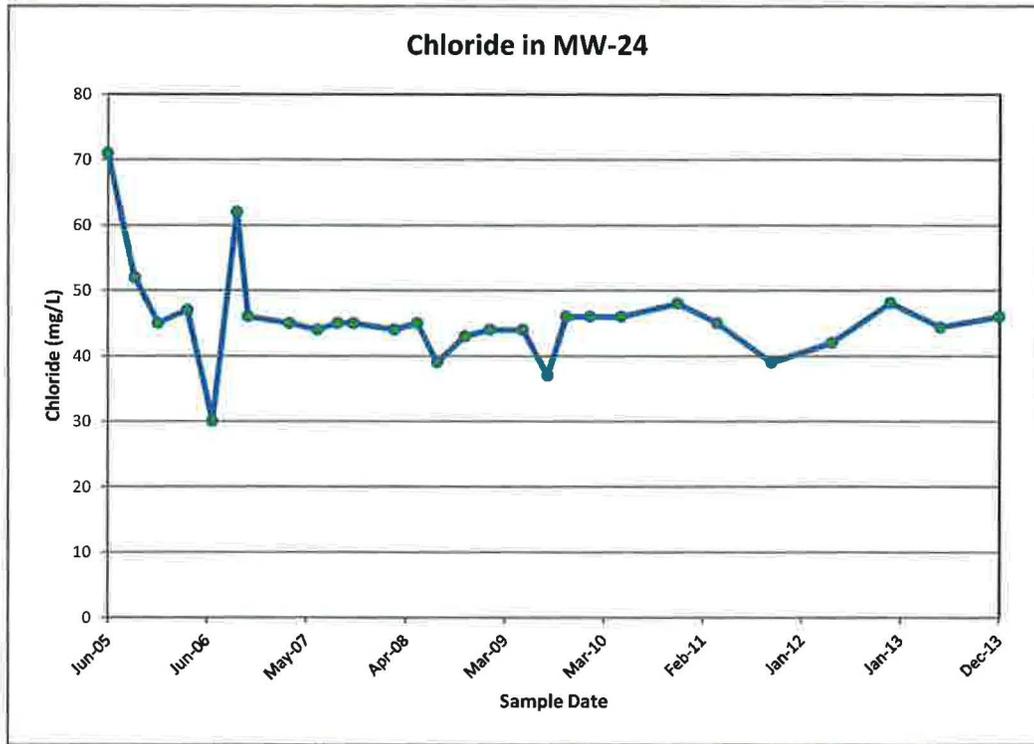
### Time concentration plots for MW-23



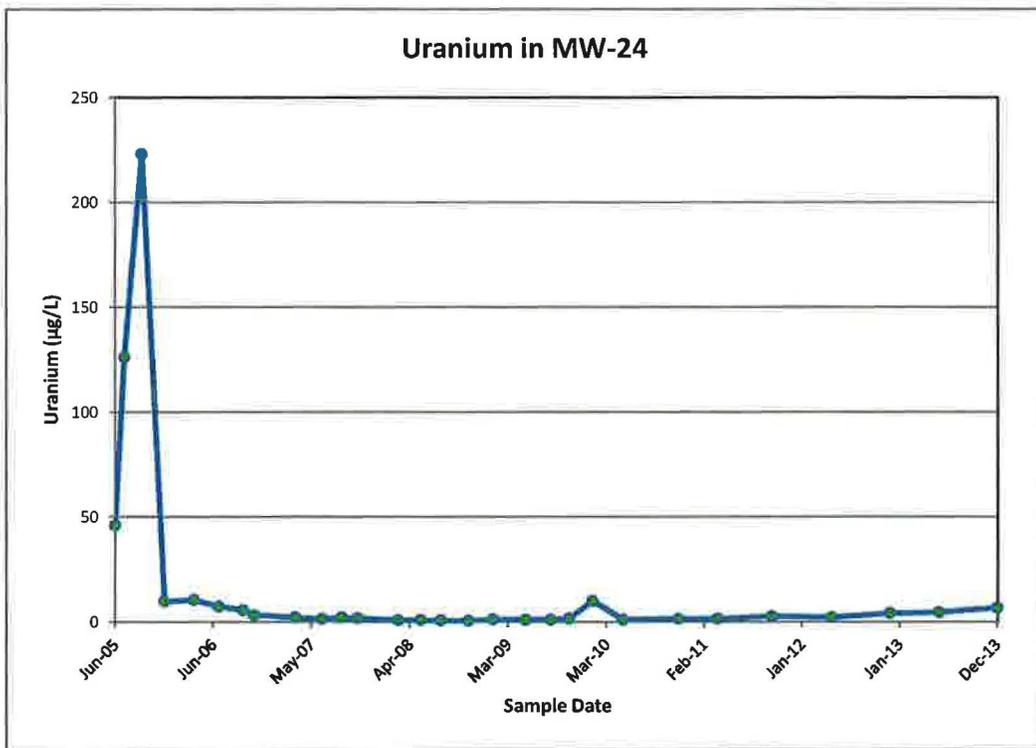
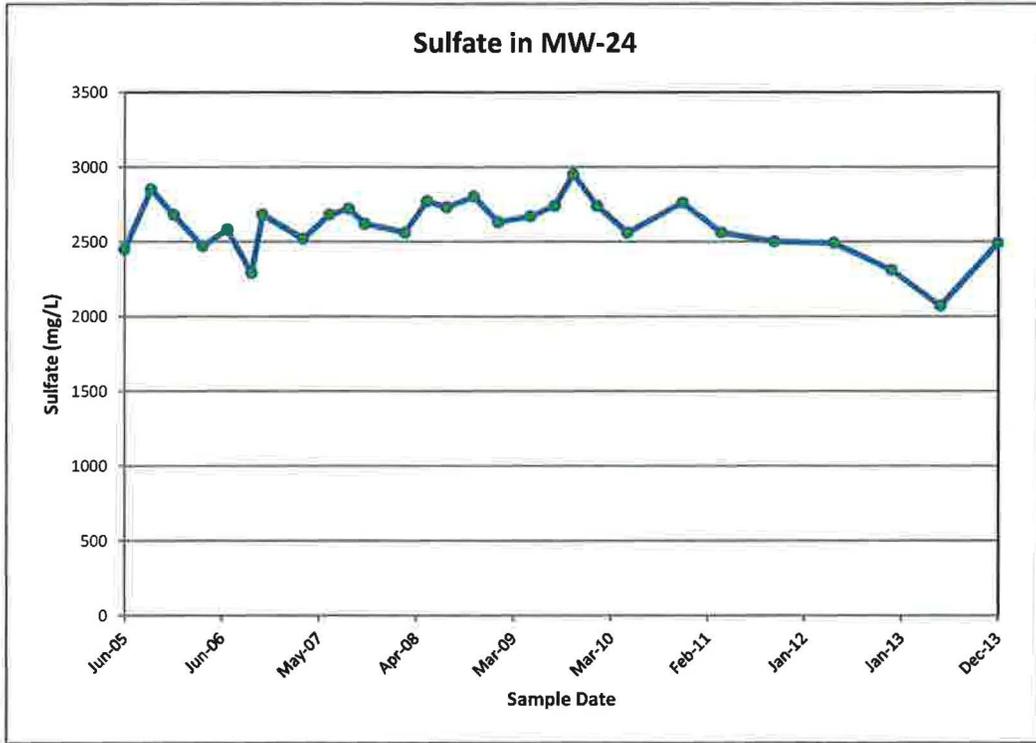
### Time concentration plots for MW-23



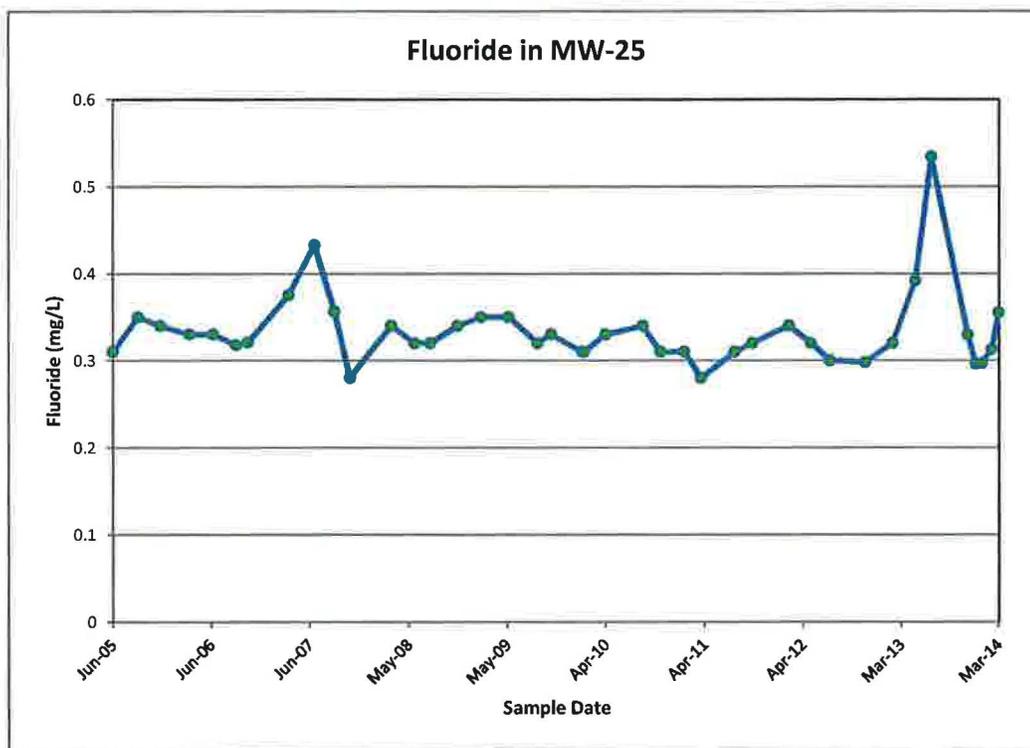
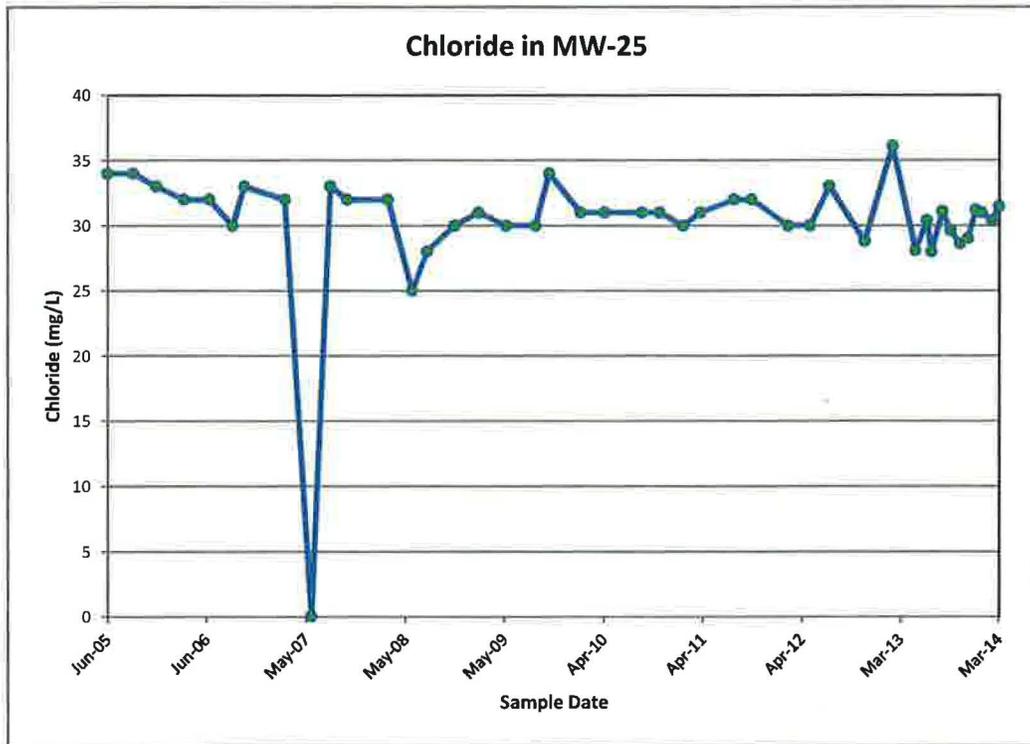
### Time concentration plots for MW-24



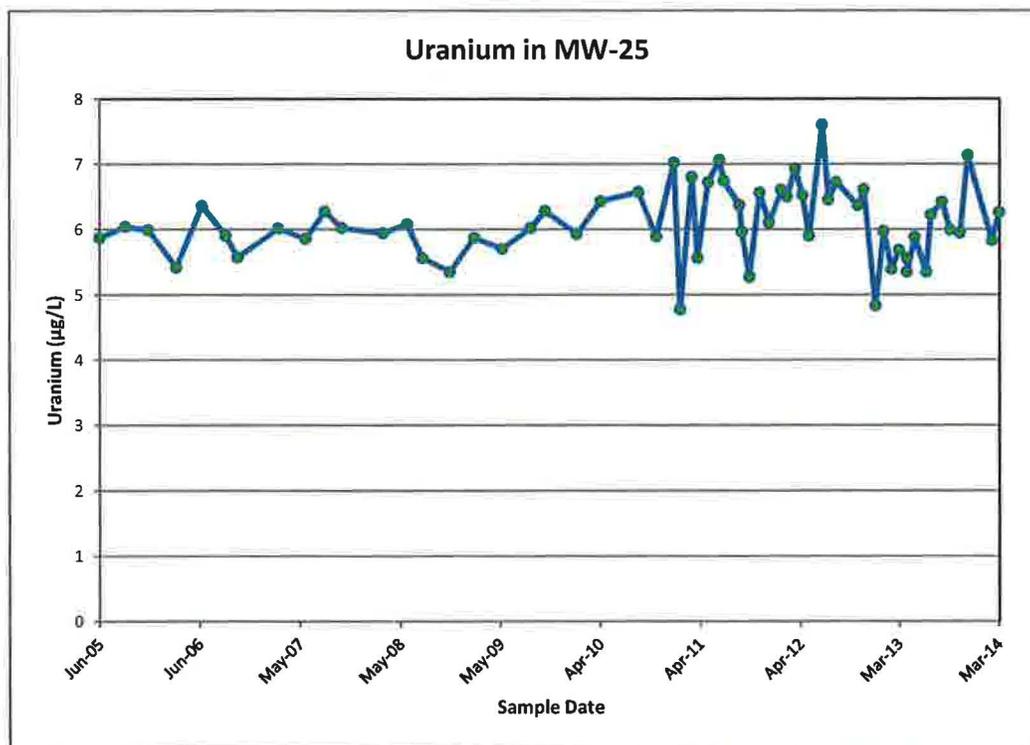
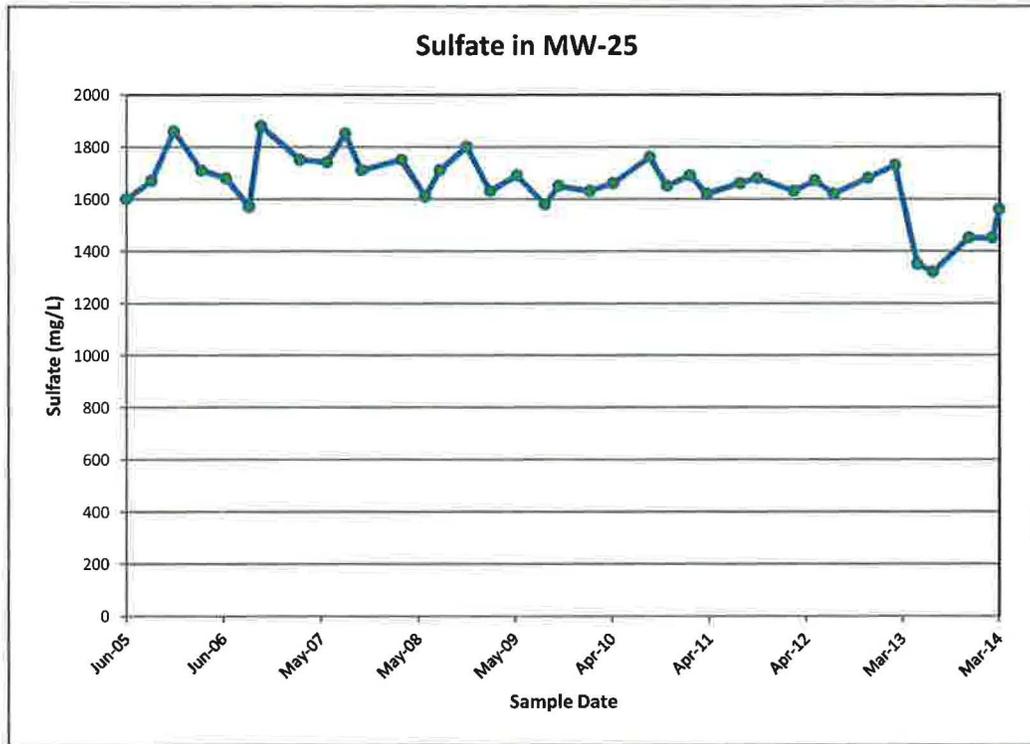
### Time concentration plots for MW-24



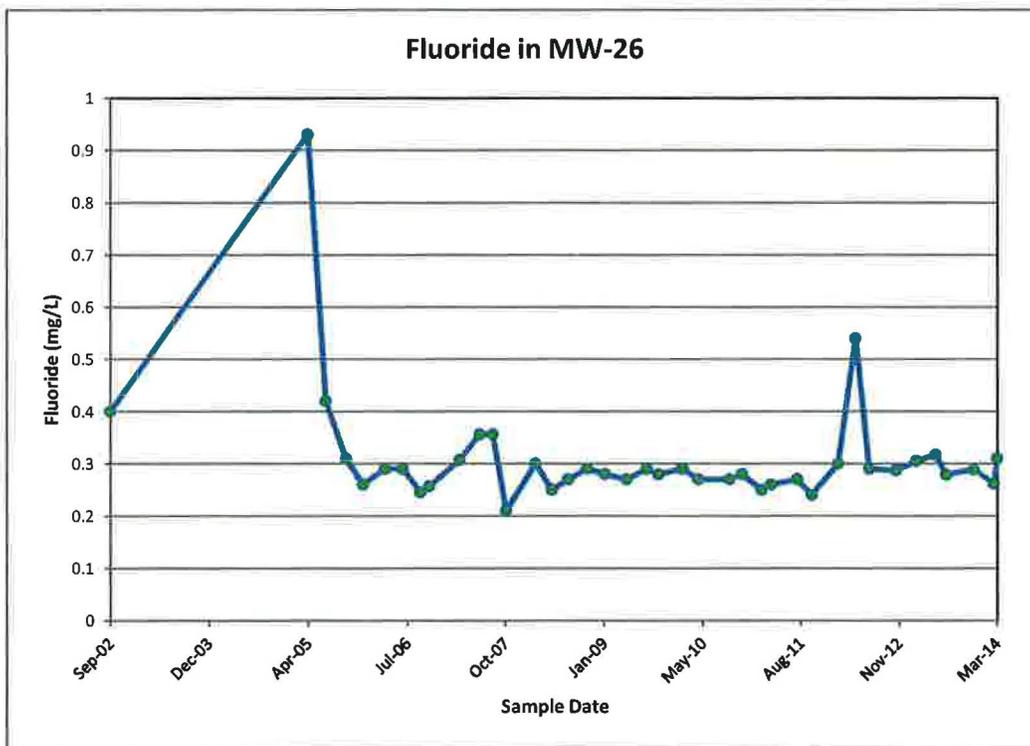
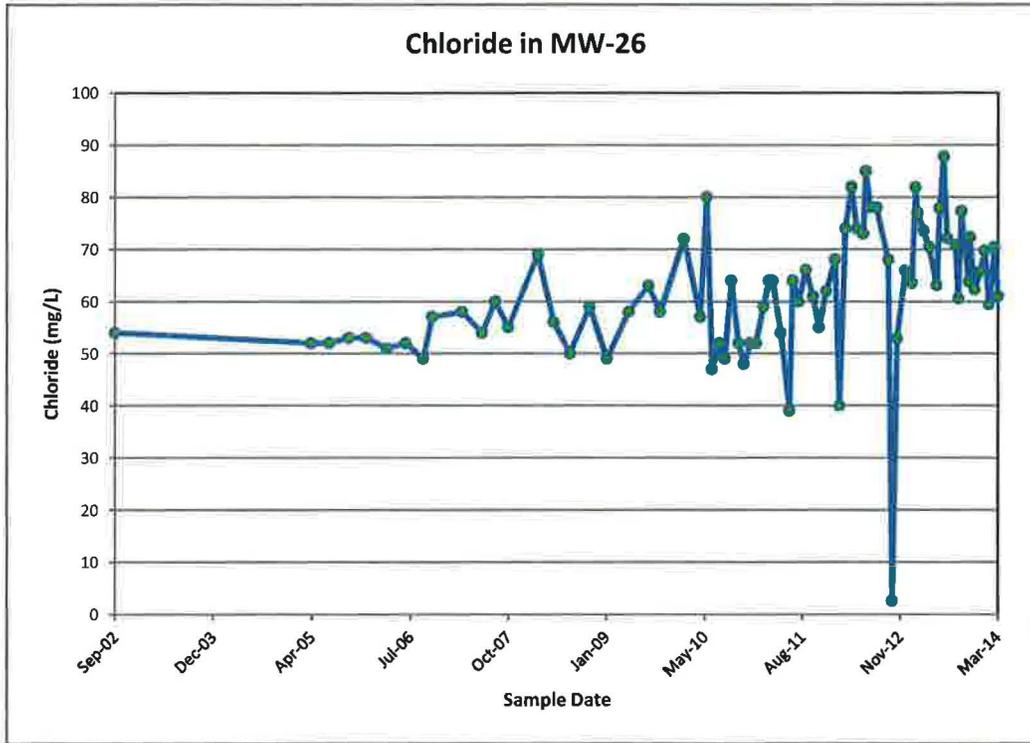
### Time concentration plots for MW-25



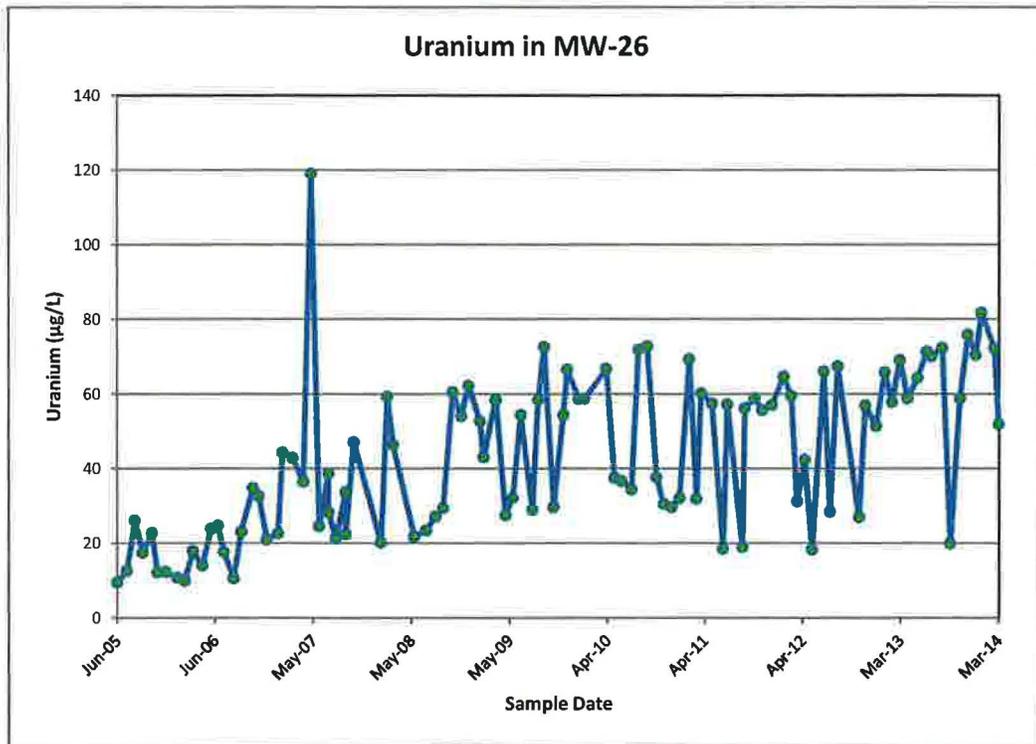
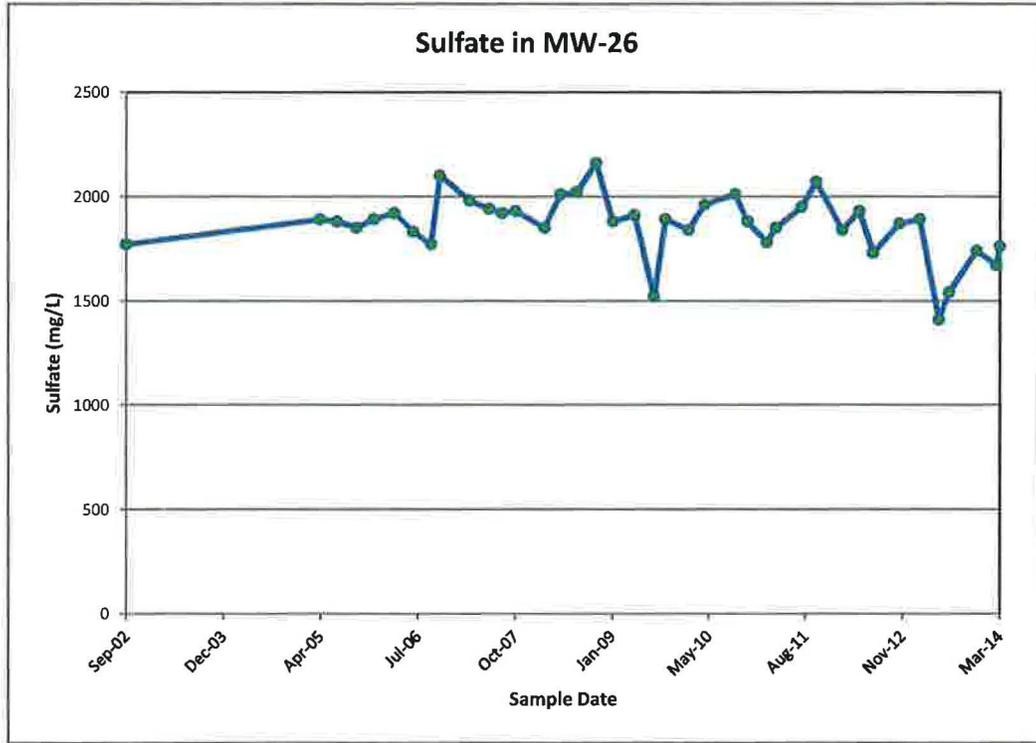
### Time concentration plots for MW-25



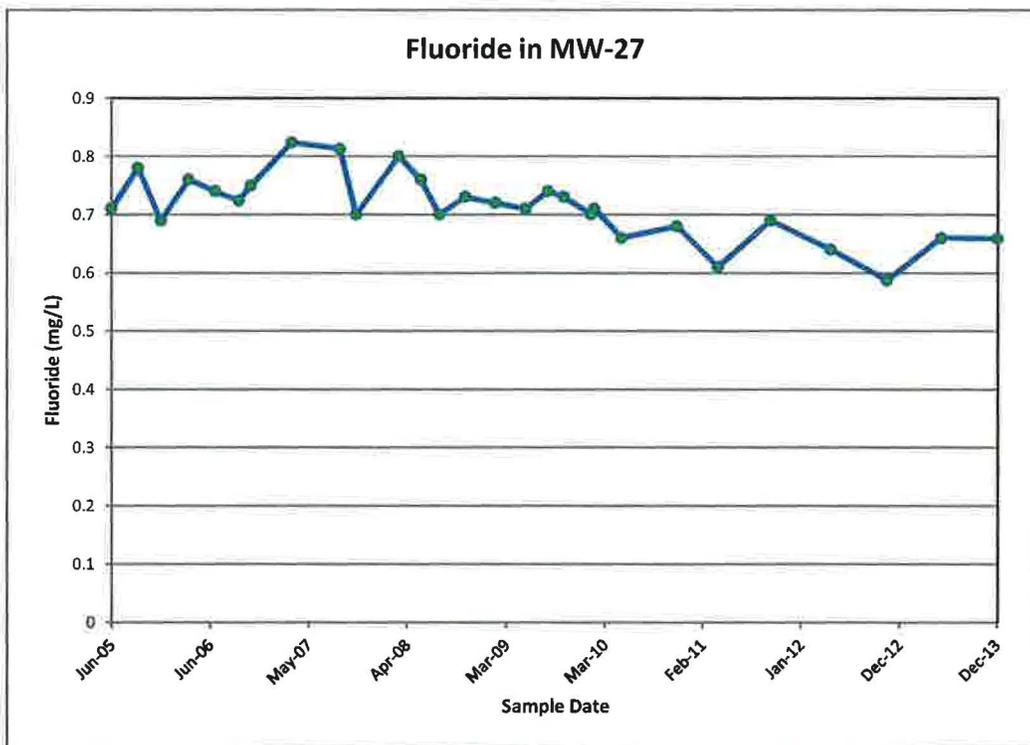
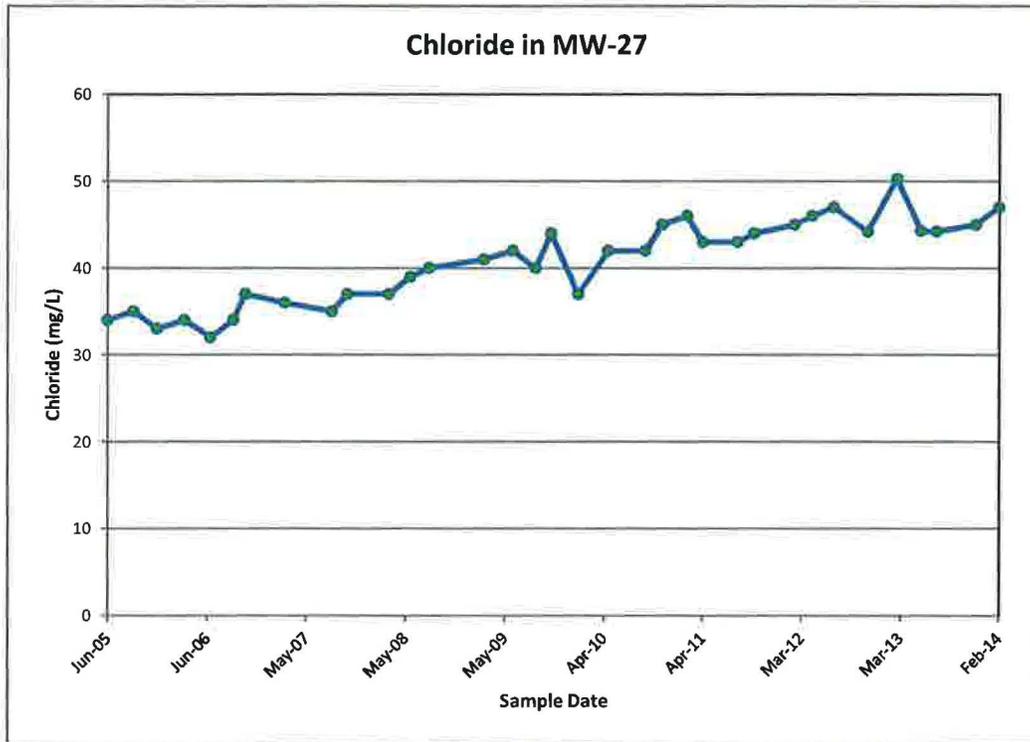
### Time concentration plots for MW-26



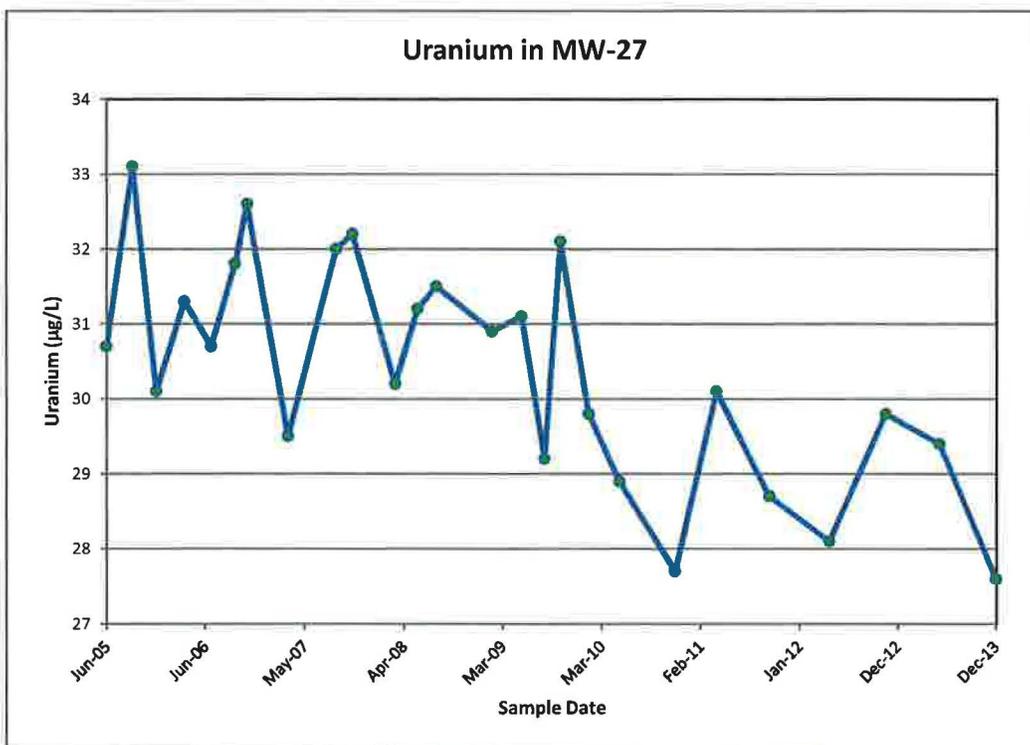
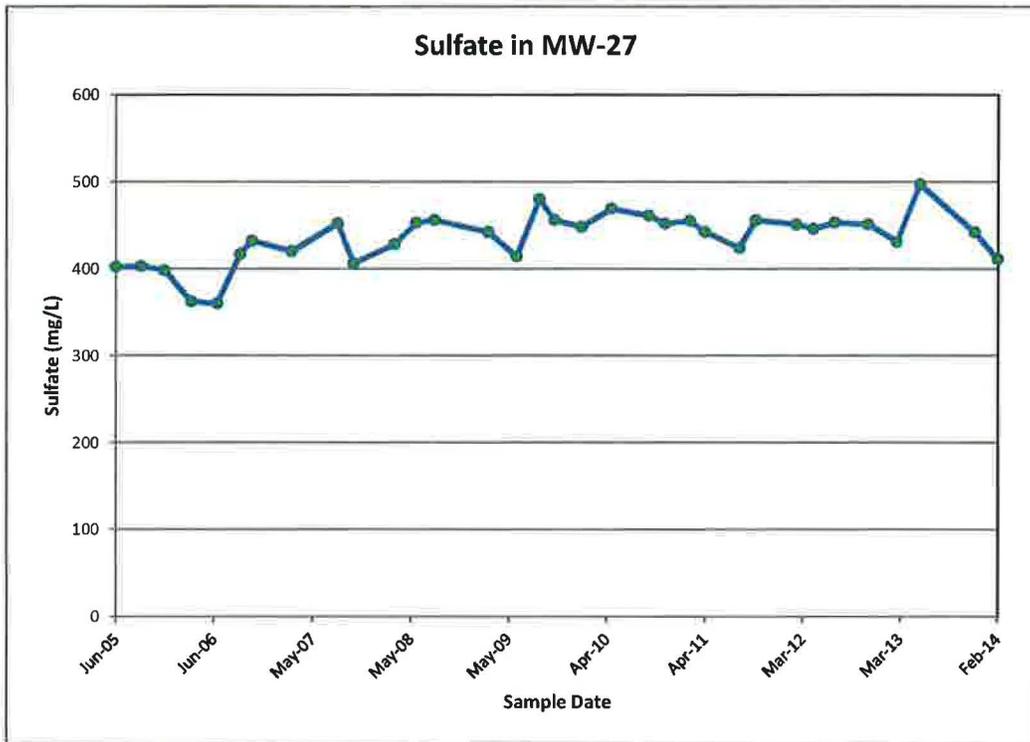
### Time concentration plots for MW-26



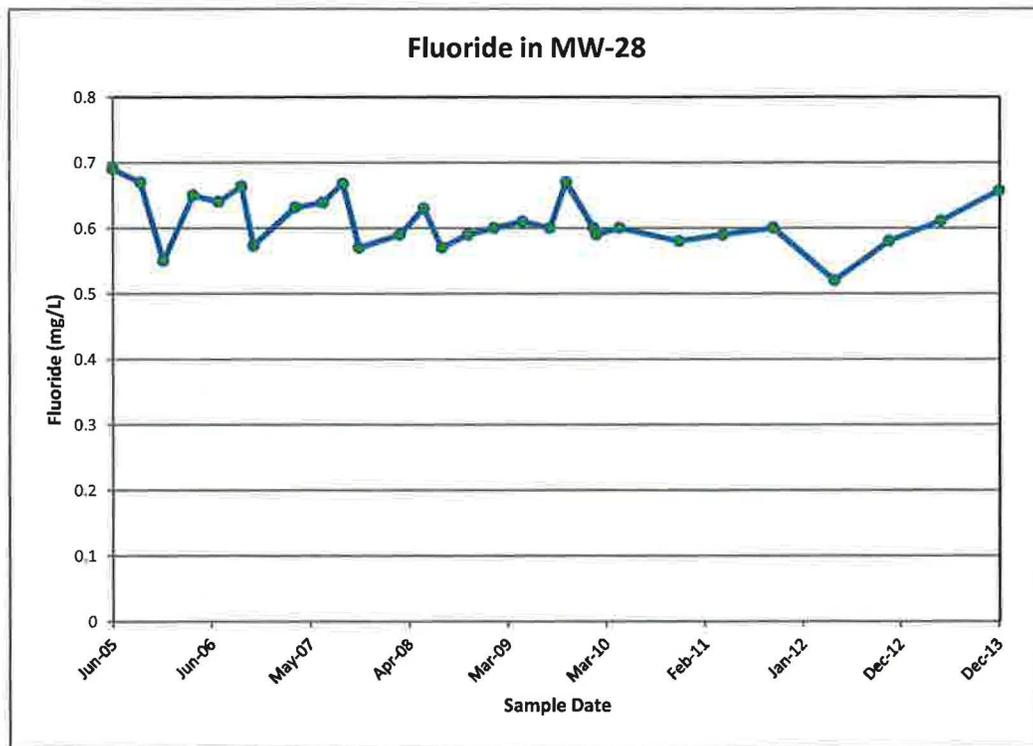
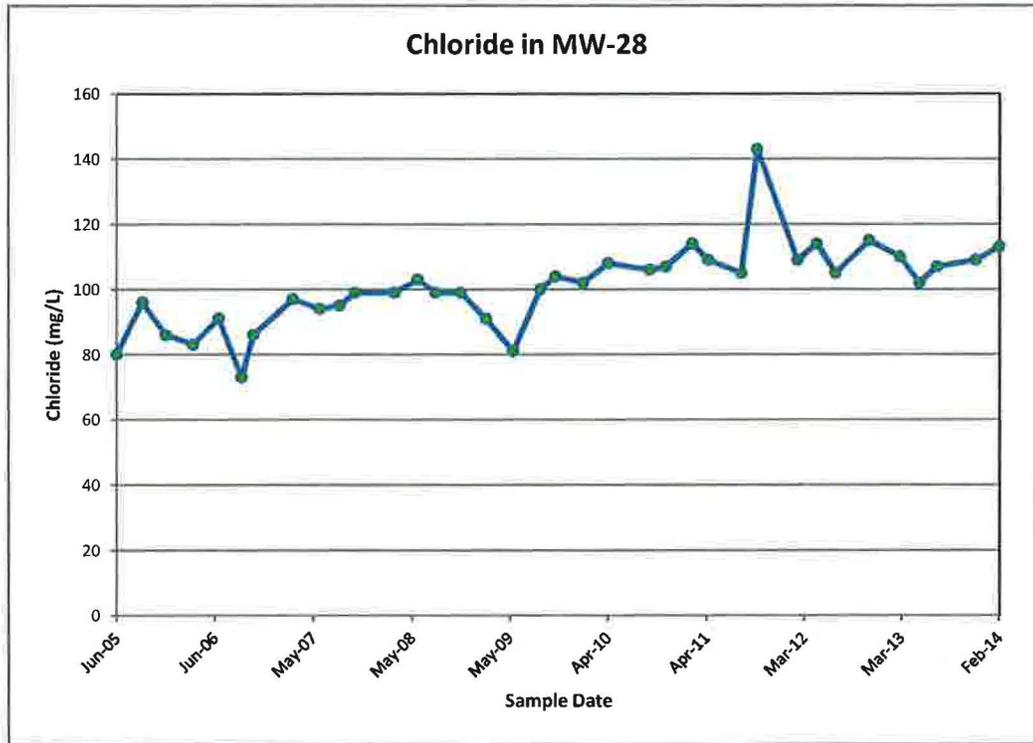
### Time concentration plots for MW-27



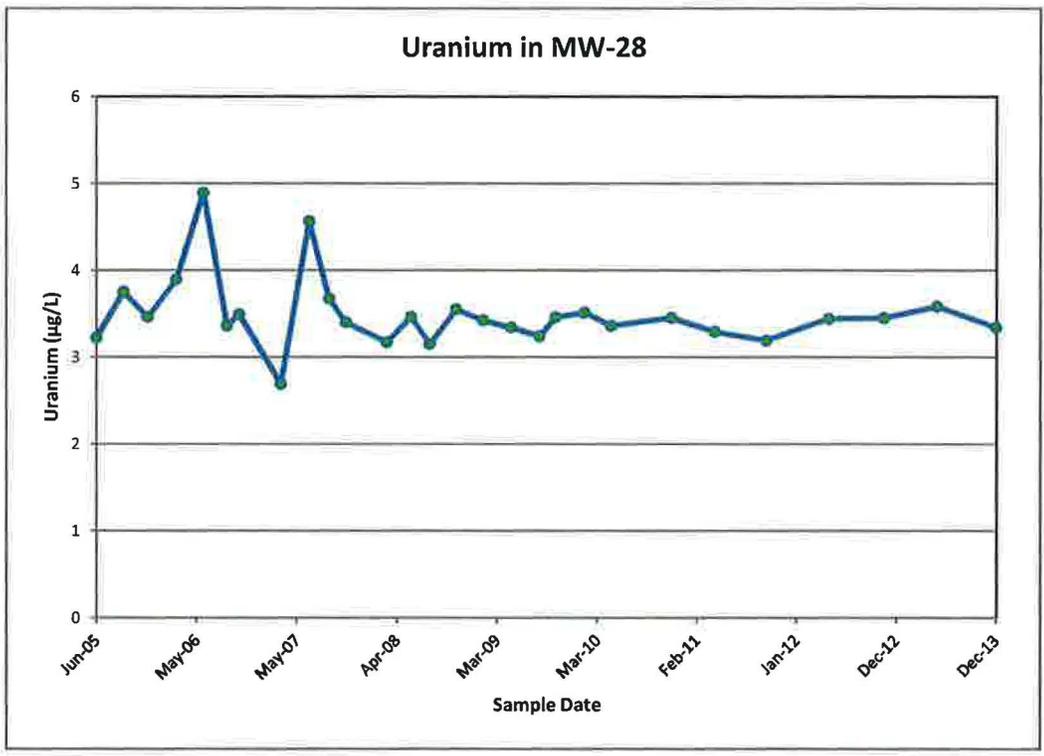
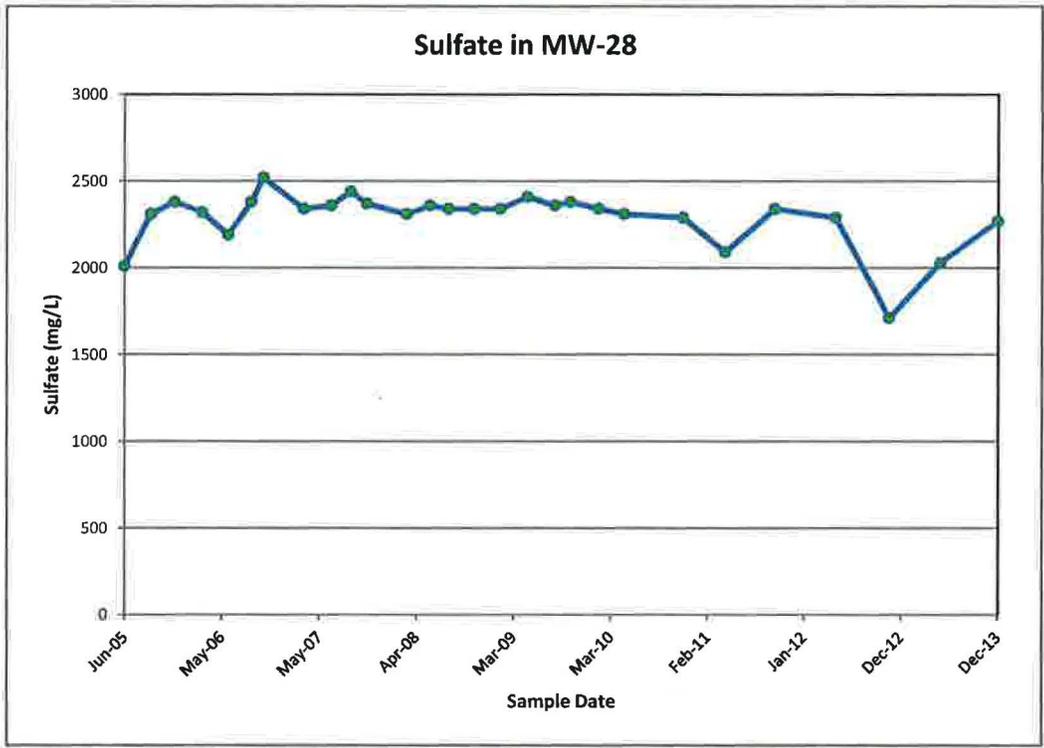
### Time concentration plots for MW-27



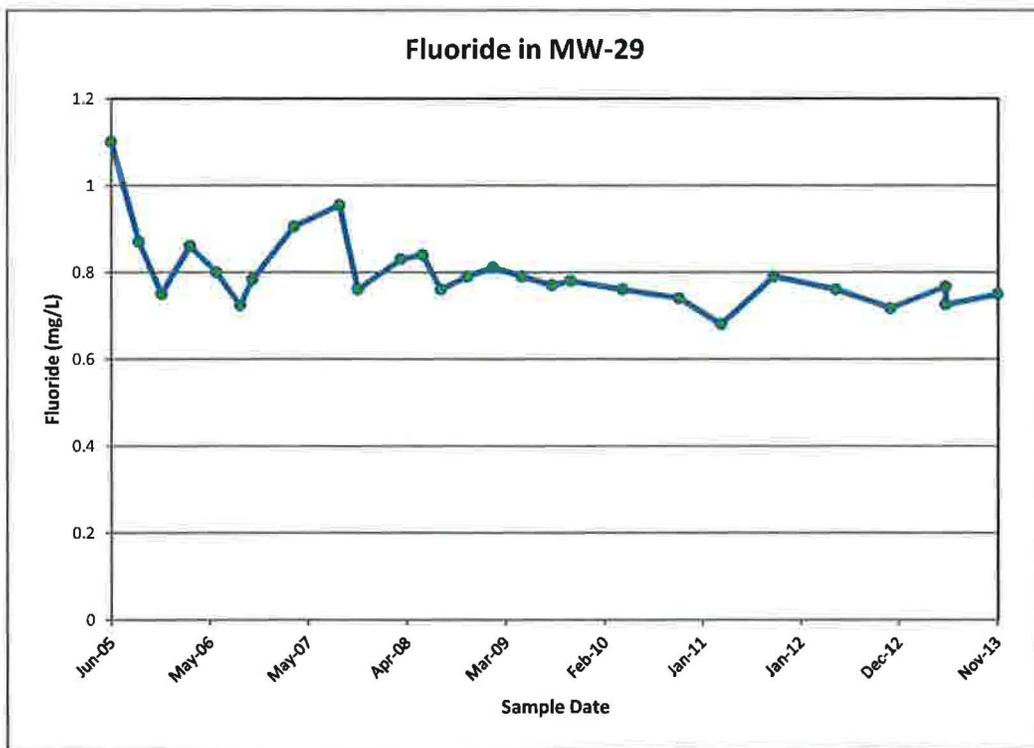
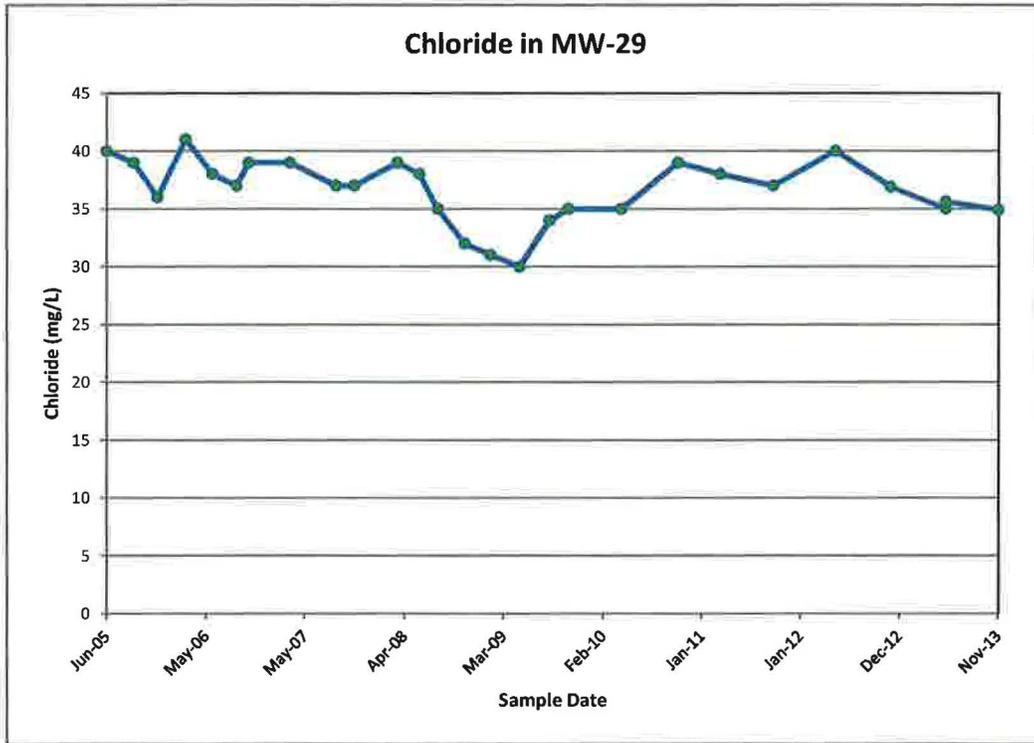
### Time concentration plots for MW-28



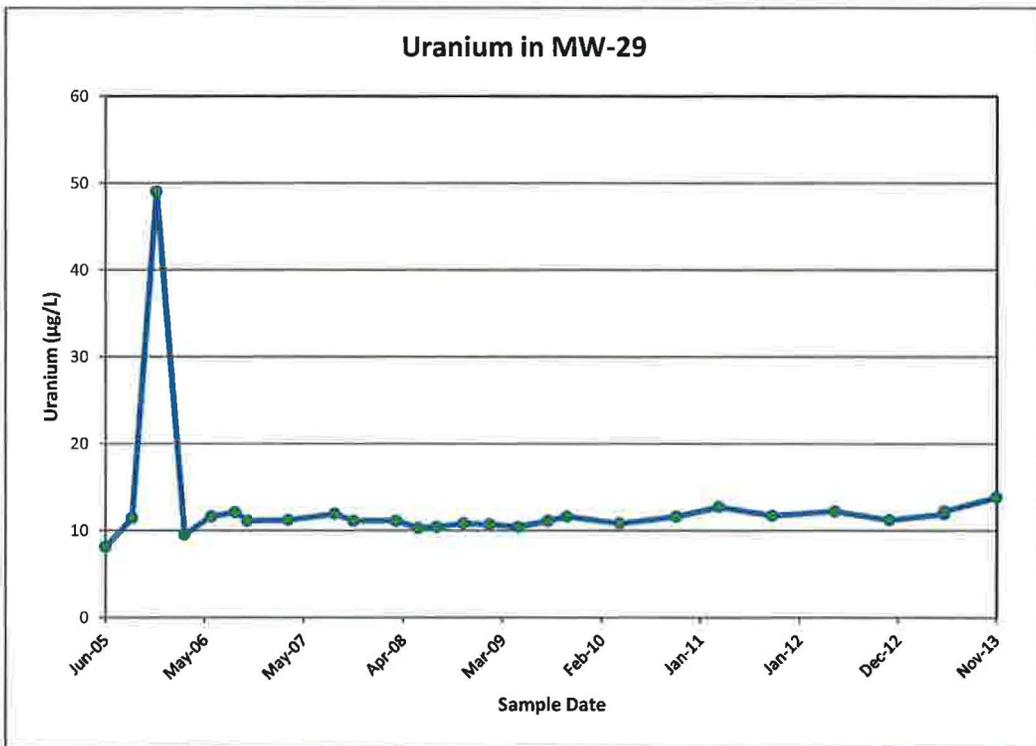
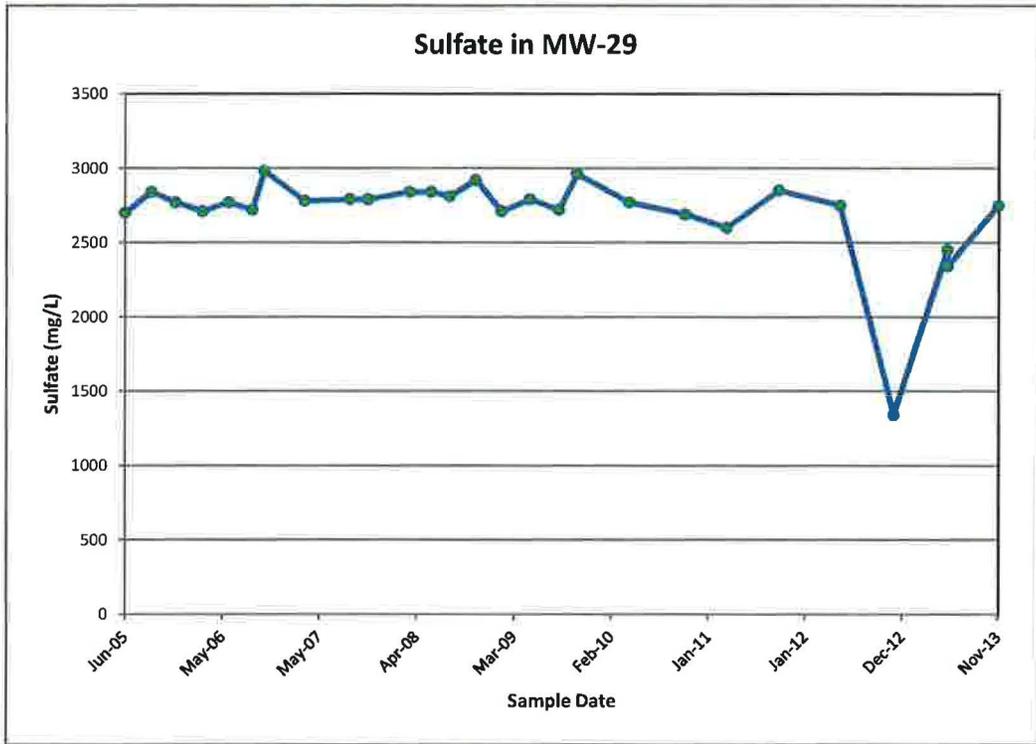
### Time concentration plots for MW-28



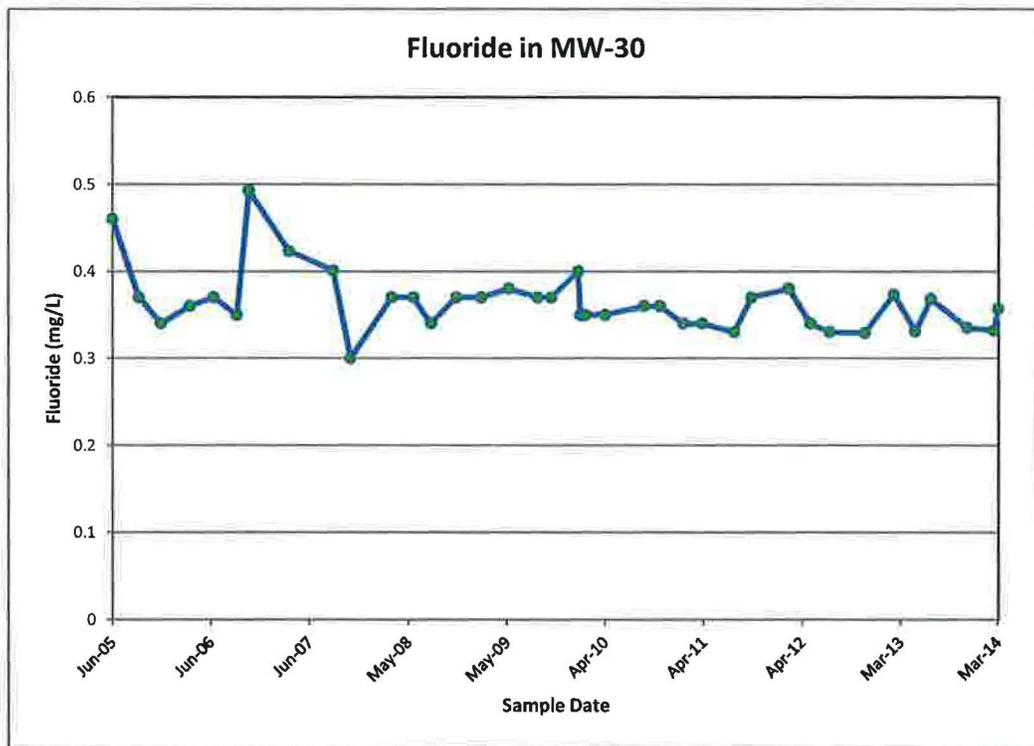
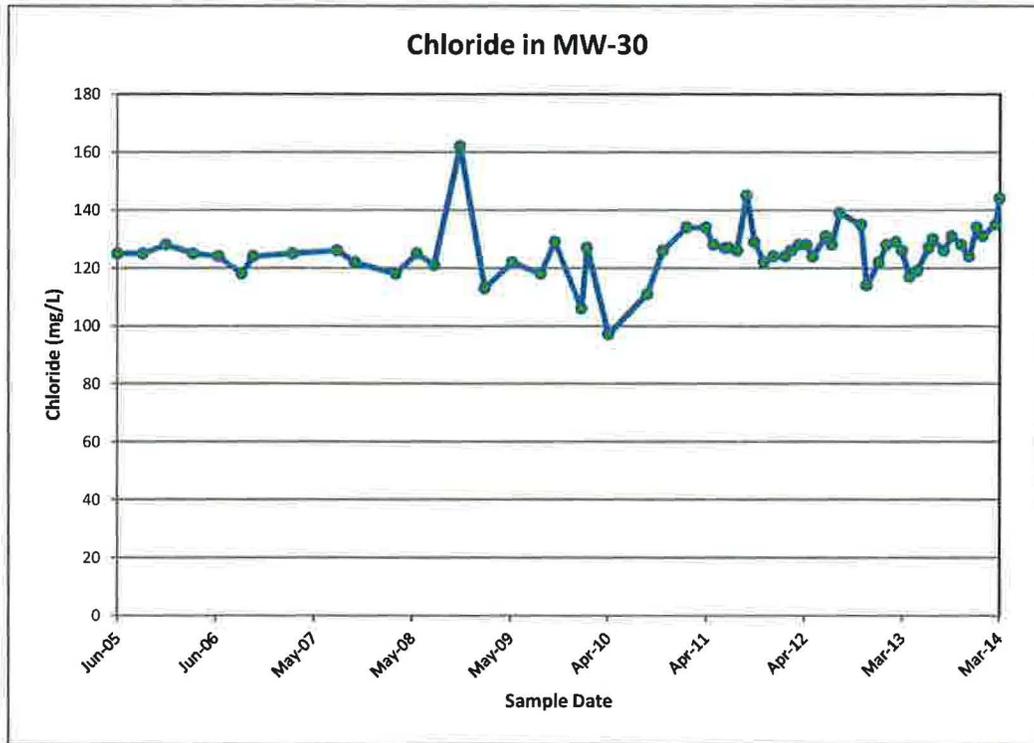
### Time concentration plots for MW-29



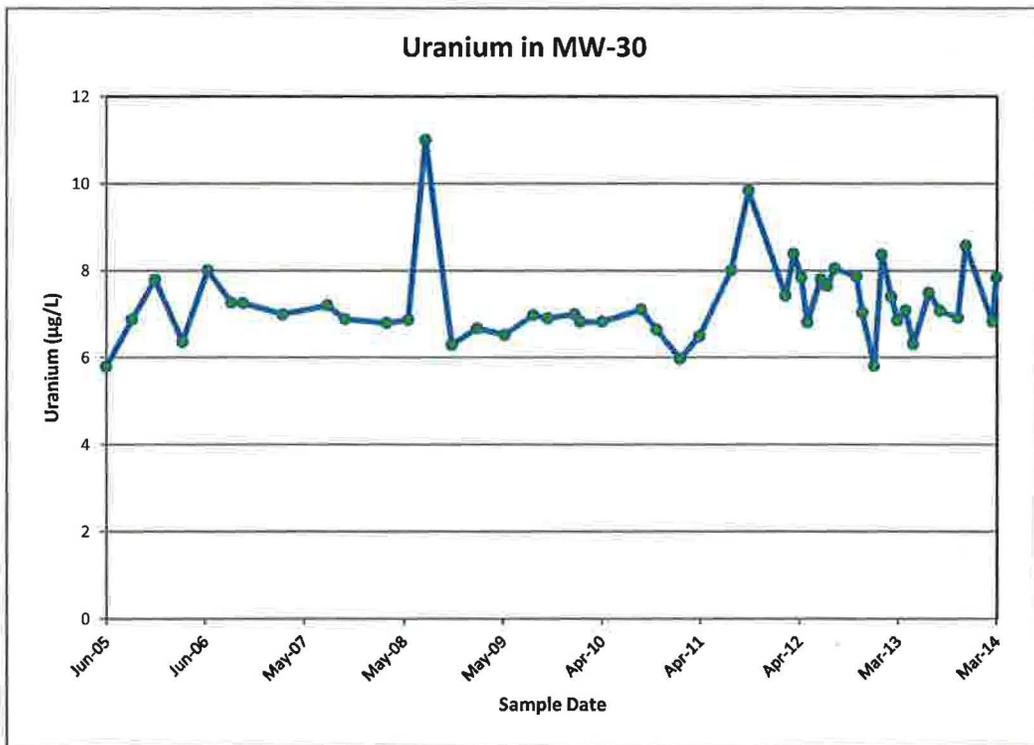
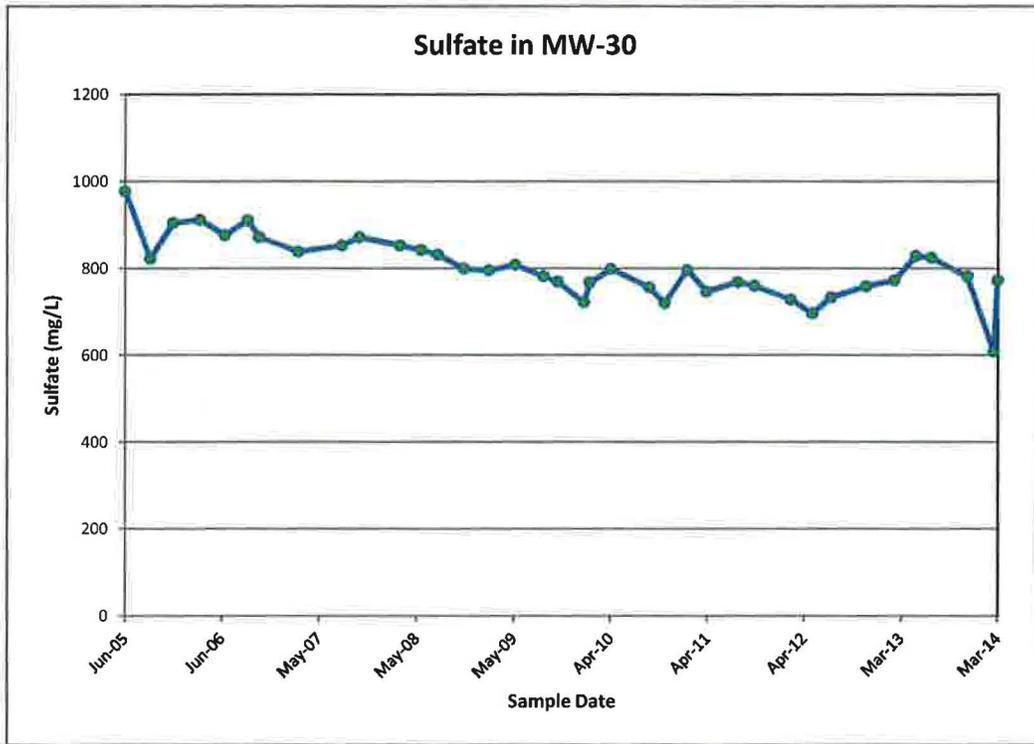
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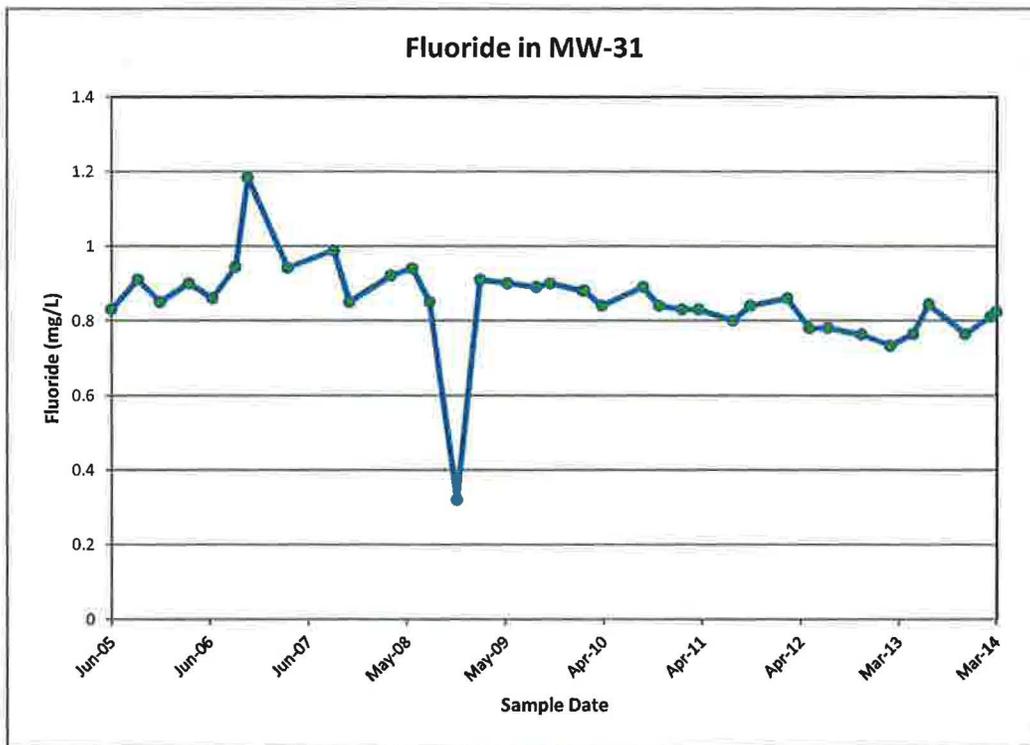
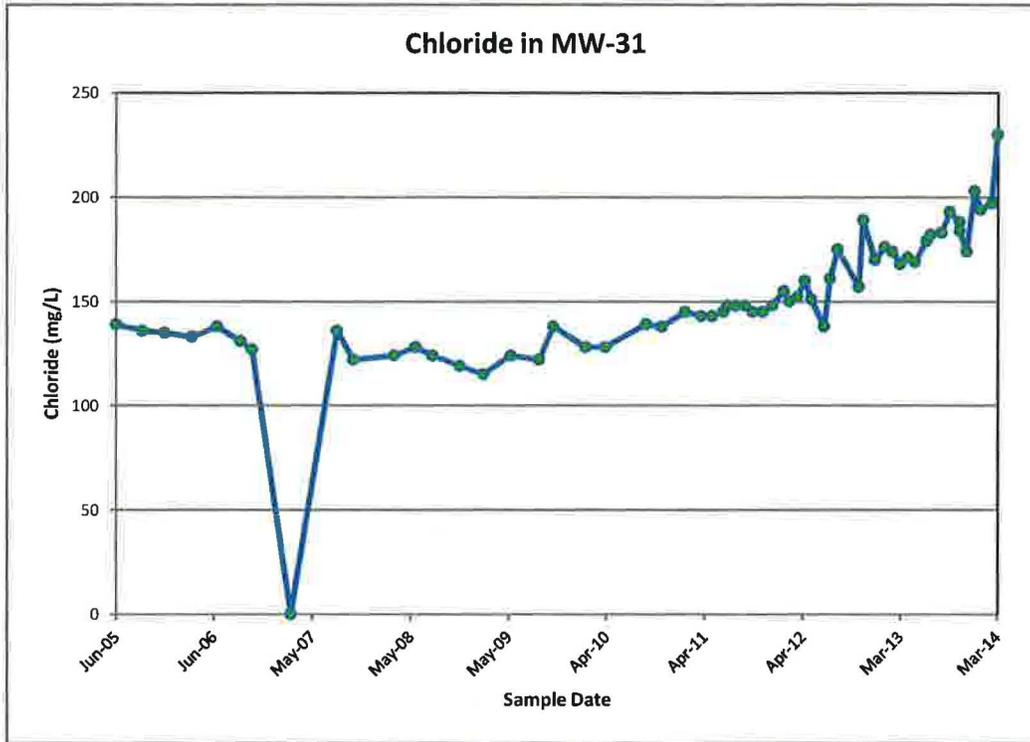
### Time concentration plots for MW-30



### Time concentration plots for MW-30

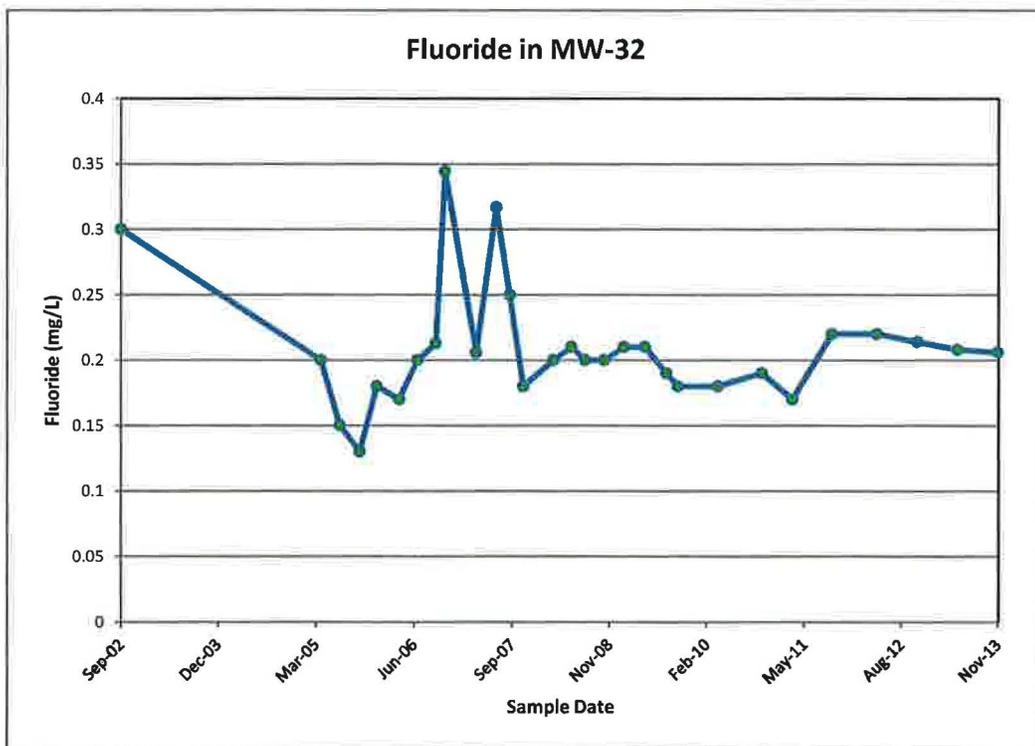
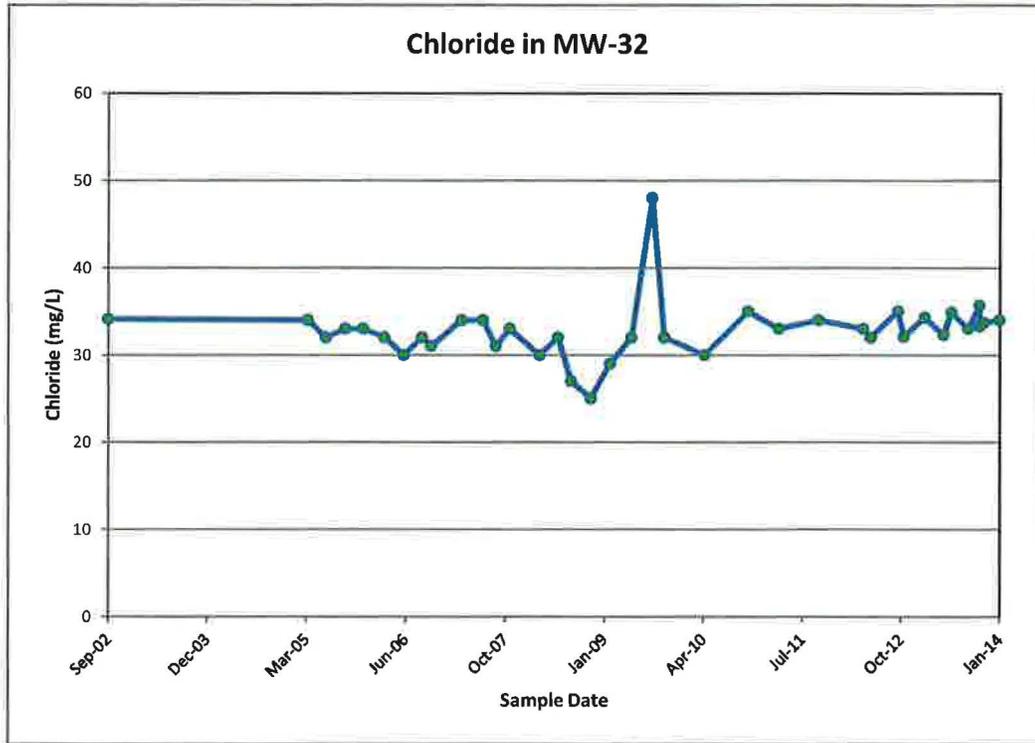


### Time concentration plots for MW-31

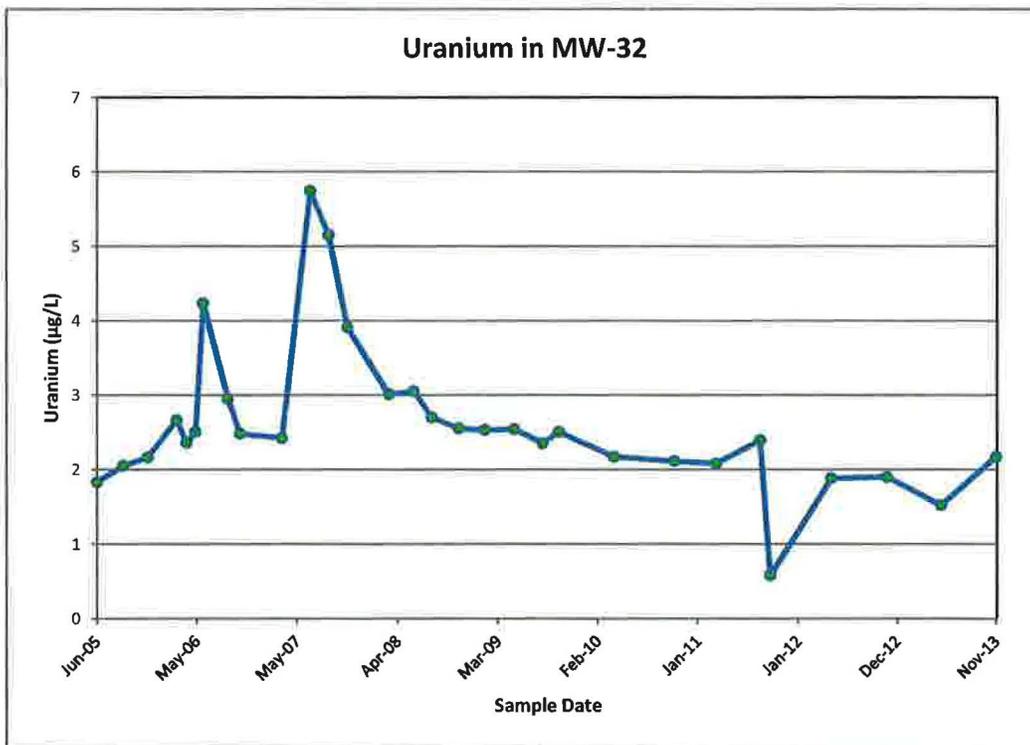
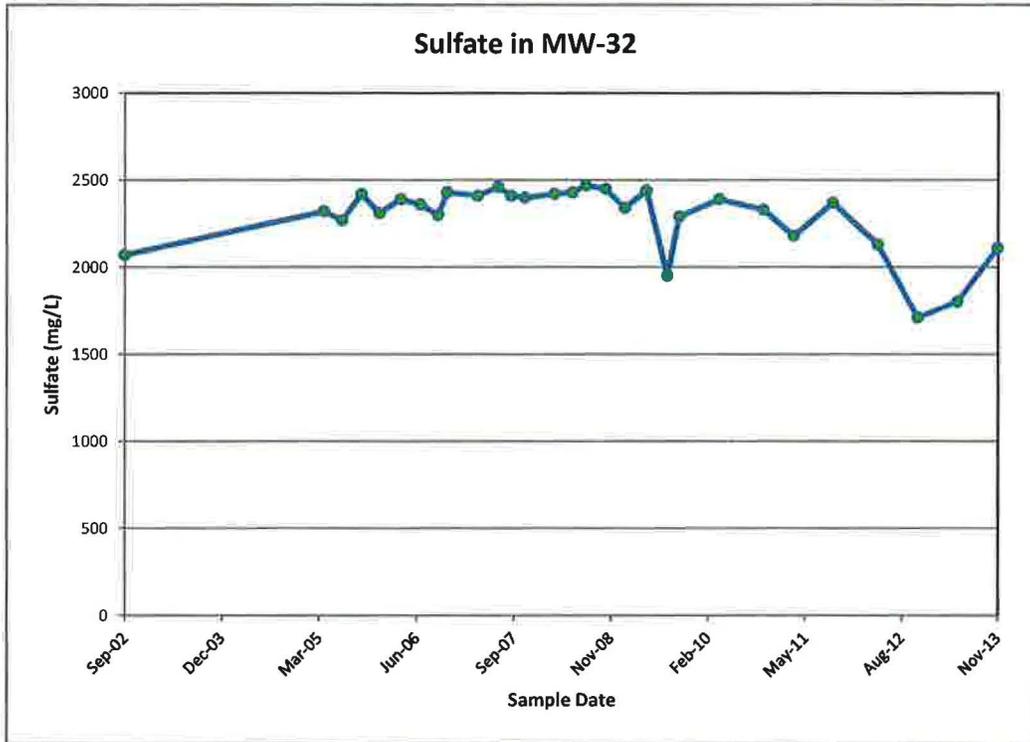




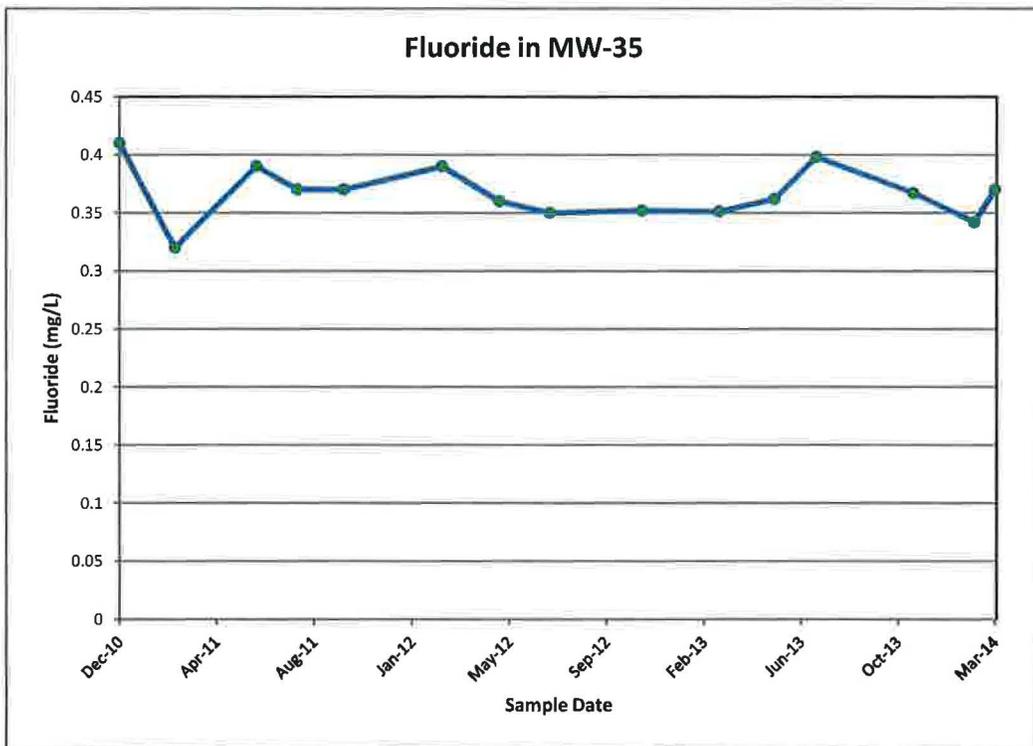
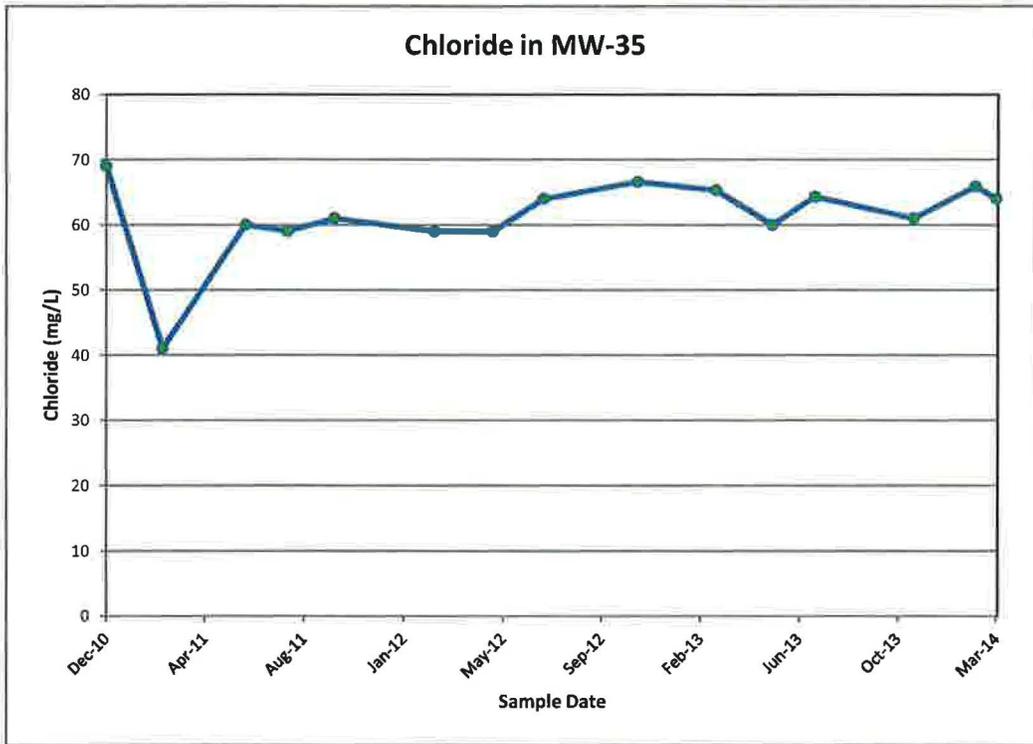
### Time concentration plots for MW-32



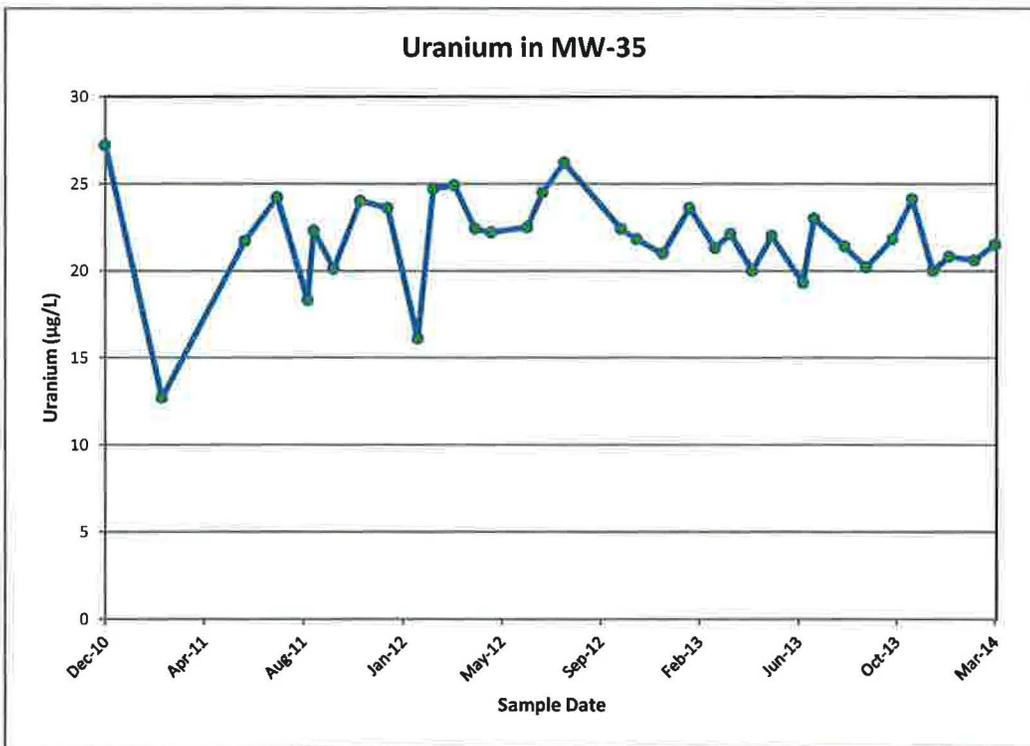
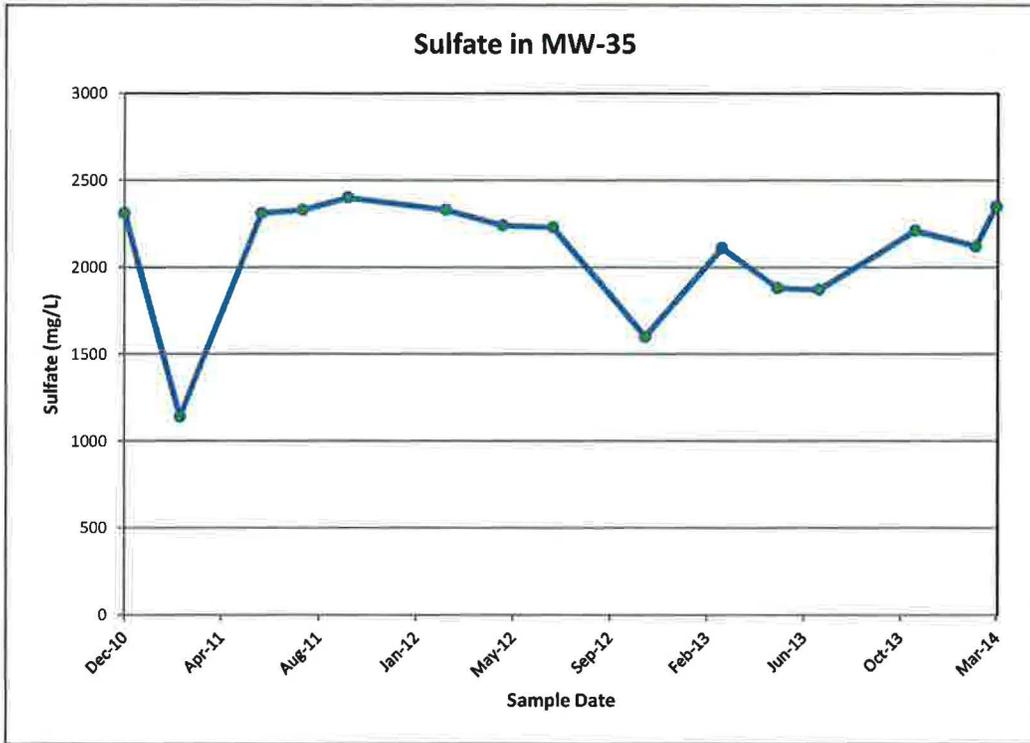
### Time concentration plots for MW-32



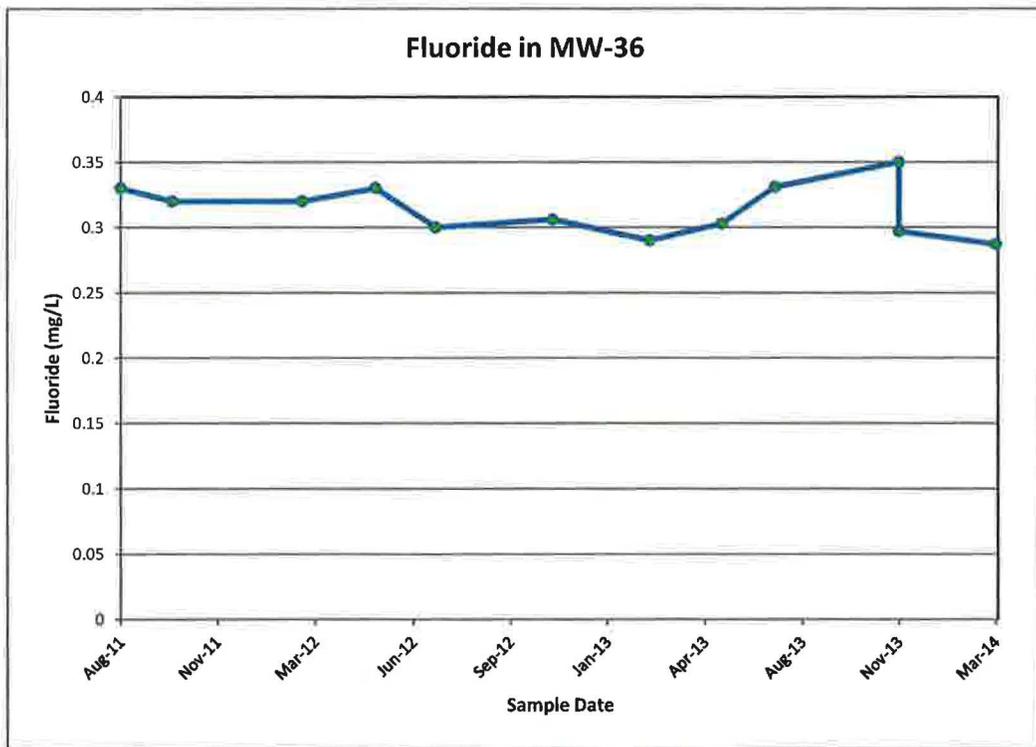
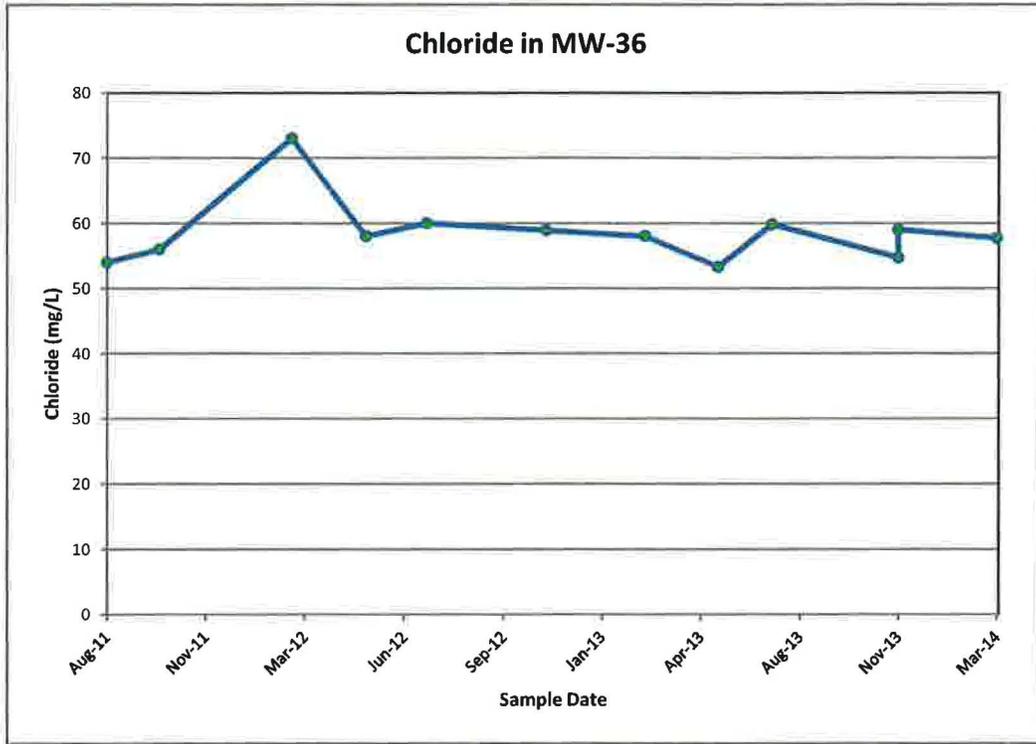
### Time concentration plots for MW-35



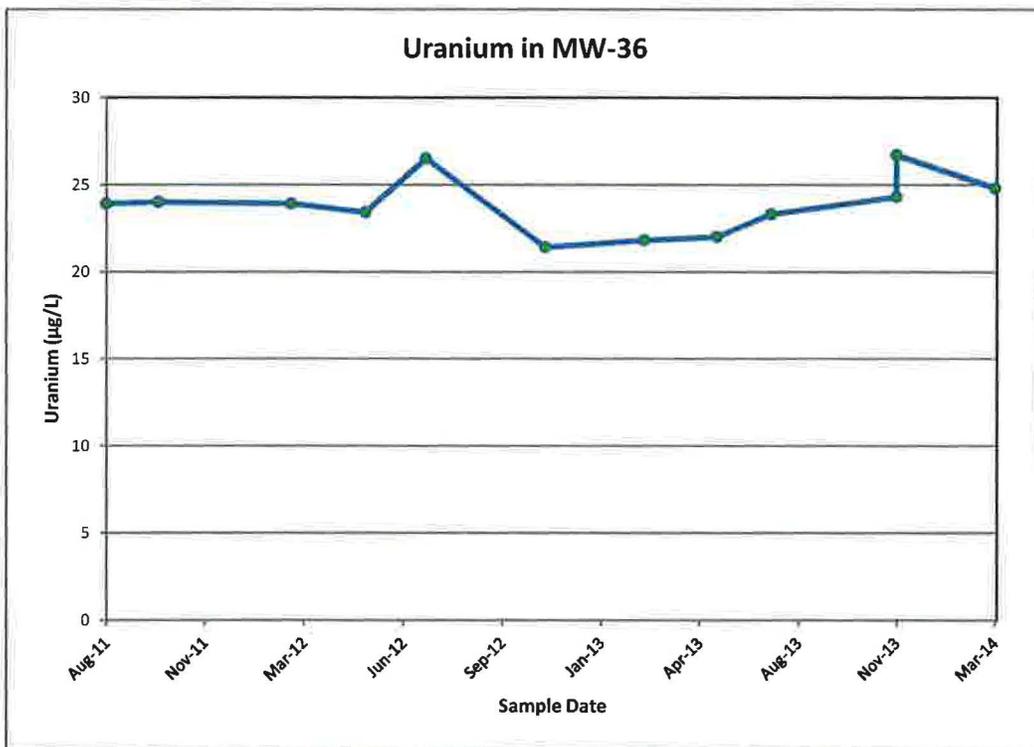
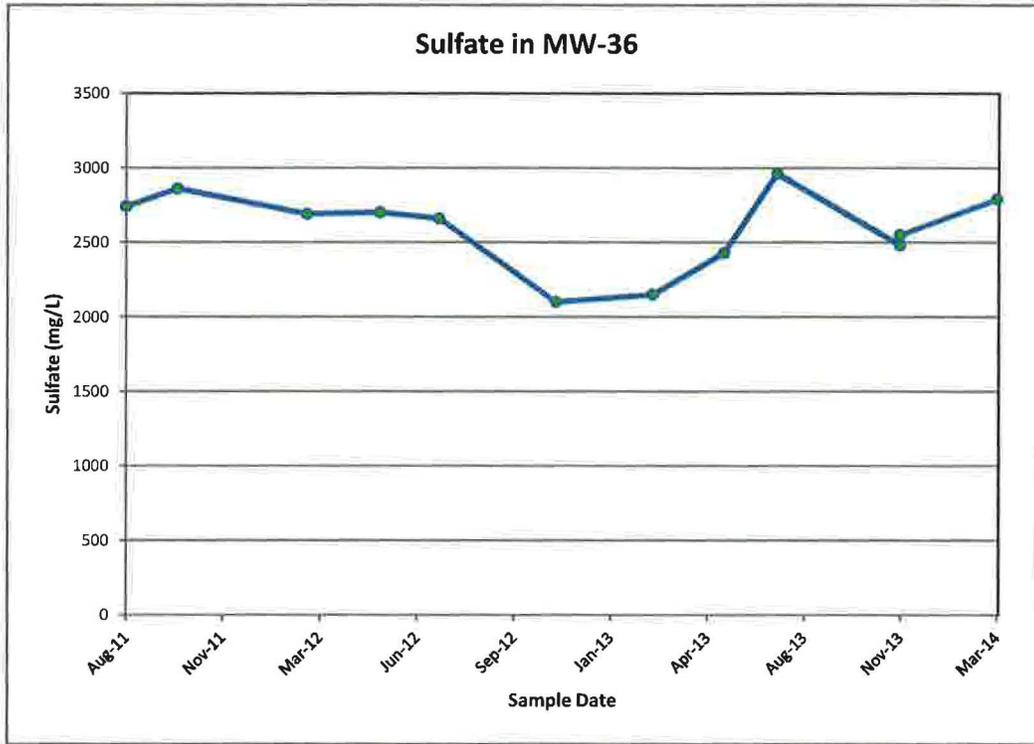
### Time concentration plots for MW-35



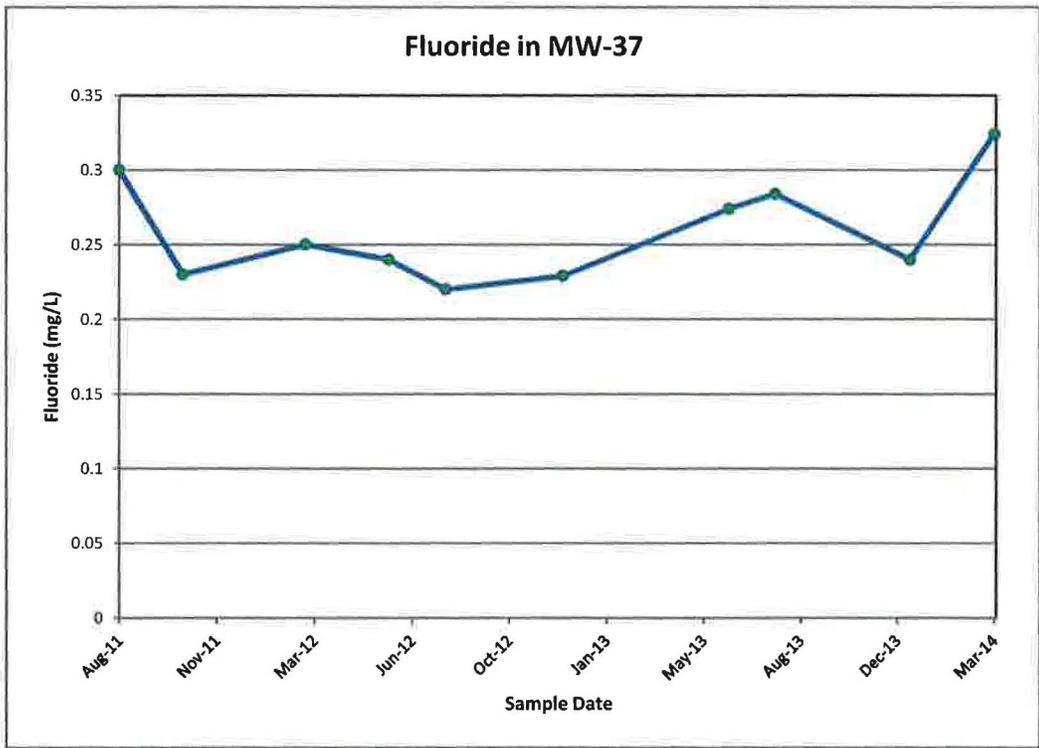
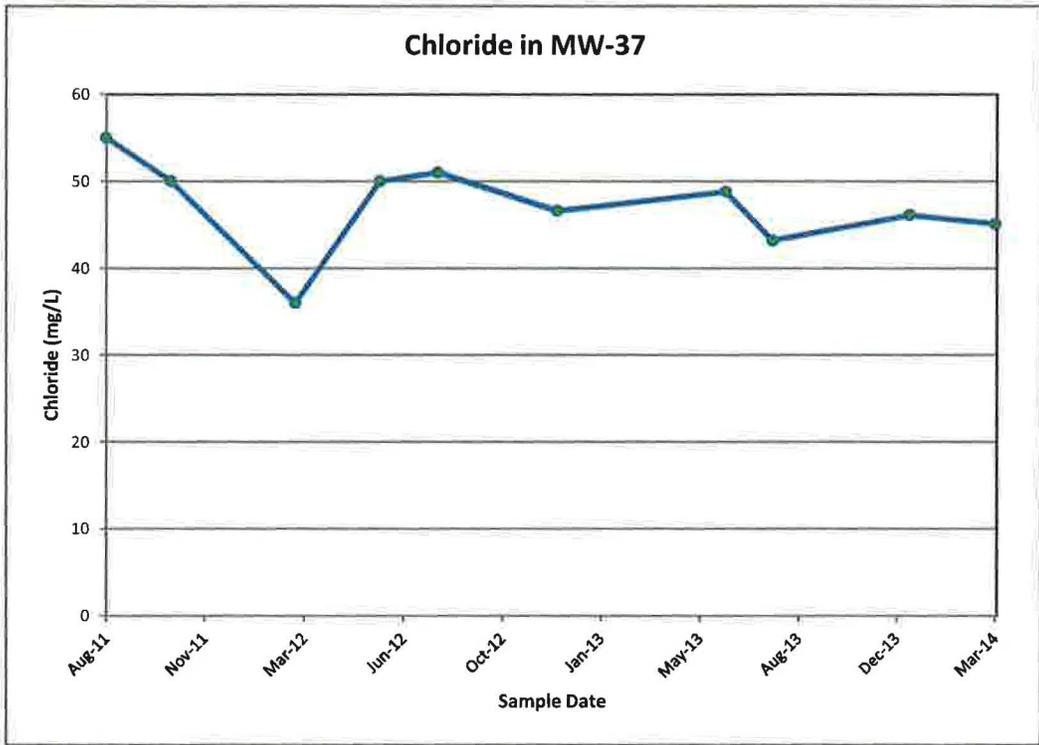
### Time concentration plots for MW-36



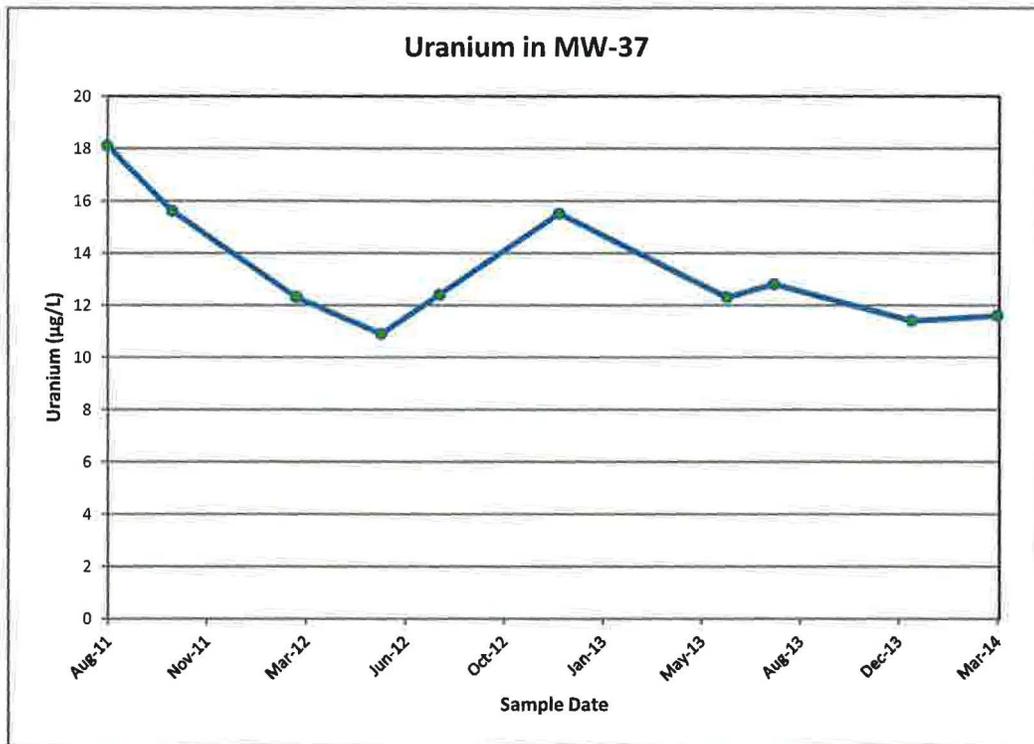
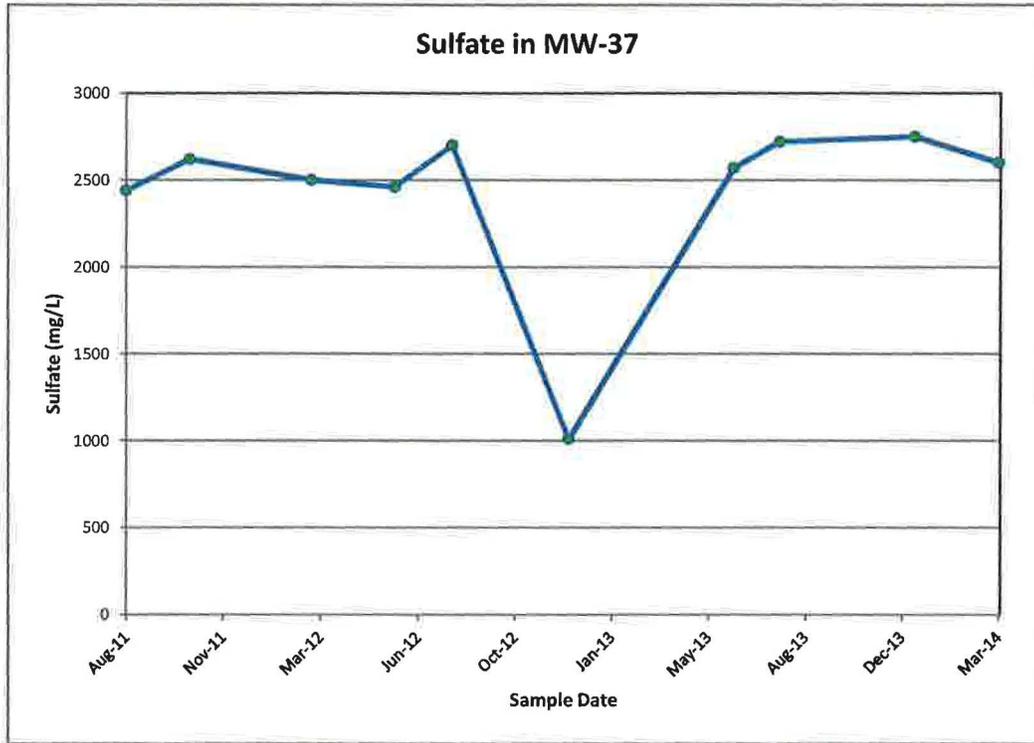
### Time concentration plots for MW-36



Time concentration plots for MW-37



### Time concentration plots for MW-37



Tab J

CSV Transmittal Letter

## Kathy Weinel

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**From:** Kathy Weinel  
**Sent:** Monday, May 19, 2014 7:15 AM  
**To:** 'Rusty Lundberg'  
**Cc:** 'Phillip Goble'; 'Thomas Rushing'; Harold Roberts; David Frydenlund; Frank Filas, P.E; Dan Hillsten; David Turk; Jaime Massey  
**Subject:** Transmittal of CSV Files White Mesa Mill 2014 Q1 Groundwater Monitoring  
**Attachments:** GW Q1 2014 Data.csv

Dear Mr. Lundberg,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the first quarter of 2014, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel