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November 18, 2015

Sent VIA OVERNIGHT DELIVERY

Mr. Scott Anderson
Director of Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144880
Salt Lake City, UT 84114-4880

Re: Transmittal of 3rd Quarter 2015 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 3rd Quarter of 2015 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,

Kathy Weinel

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

cc: David C. Frydenlund
Harold R. Roberts
David E. Turk
Scott Bakken
Logan Shumway

White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

3rd Quarter
(July through September)
2015

Prepared by:

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

November 18, 2015

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ACRONYM LIST

AWAL	American West Analytical Laboratory
COC	Chain-of-Custody
DWMRC	Utah Division of Waste Management and 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	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 third quarter of 2015 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, I.E.3, 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.d) 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.d) 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, three resampling events were conducted. The resampling events and wells associated with each resampling effort are described below.

- The quarterly sample (August 10, 2015) for Gross Alpha minus Rn and U ("gross alpha") in monitoring well MW-26 was recollected. Upon receipt at the analytical laboratory it was noted that the pH of the gross alpha sample aliquot was not less than 2 as required. The original gross alpha sample aliquot was discarded and recollected on August 17, 2015.

- The accelerated September monthly sample for monitoring well MW-35 was initially September 15, 2015. The duplicate sample (MW-65) was collected from MW-11 rather than MW-35. MW-35 was resampled on September 22, 2015 and a duplicate was collected at that time (MW-70). Upon receipt at the analytical laboratory it was noted that the pH, in both the sample and the duplicate, was not less than 2 as required. The gross alpha aliquots for both the sample and the duplicate were discarded.

- The September accelerated sample for gross alpha in MW-35 and the duplicate, MW-70, discussed in the bullet above were recollected on September 28, 2015.

Due to the repeat nature of the pH issues noted in only the gross alpha sample aliquots, the analytical laboratory (GEL) conducted an internal investigation. All pre-preserved bottles provided by GEL were discarded and replaced.

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 Waste Management and Radiation Control ("DWMRC").

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. DWMRC approved the Background Report by letter dated July 15, 2014. The calculated GWCLs will become effective upon their publication in the next revision of the GWDP.

2.1.4 Parameters Analyzed

Routine quarterly groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 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 sampling efforts, referred to in paragraph 2.1.2, above. Sampling dates are listed in Table 1.

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

Analytical results are provided by two contract analytical laboratories: GEL and American West Analytical Laboratories ("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.

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. As discussed in Section 2.1.3 above, EFRI submitted the background report for MW-35, MW-36, and MW-37 on May 1, 2014. DWMRC approved the Background Report by letter dated July 15, 2014. The calculated GWCLs will become effective upon their publication in the next revision of the GWDP.

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

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.

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 one analyte has exceeded its respective GWCL for two consecutive sampling periods as reported in EFRI's Exceedance Notice for the quarter. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through the current quarter.

Part I.G.4 c) of the GWDP states, with respect to exceedances of GWCLs, "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 DMT or BAT will be reestablished." EFRI submits an Exceedance Notice quarterly and 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 DWMRC Staff in teleconferences on April 27 and May 2, 2011 and the constituents covered by previously submitted Source Assessment Reports.

2.4.3.1 MW-28

On May 28, 2014 EFRI notified DWMRC personnel of damage to Monitoring Well 28 ("MW-28"). The damage was noted by EFRI Environmental Staff during routine,

quarterly sampling activities. Upon arrival at MW-28, EFRI Environmental Staff noticed that there was evidence that a vehicle had struck the outer protective metal casing of MW-28 and it was slightly bent and leaning to the west. Inspection of the inner, 10-inch PVC protective casing and the 4-inch well casing also showed signs of damage. The concrete seal between the 10-inch casing and the 4-inch casing was cracked and EFRI Environmental Staff noted that the 2 inner PVC casings were likely cracked and/or broken. Upon discovery of the damage on May 28, 2014, EFRI Environmental Staff contacted the EFRI Quality Assurance Manager ("QAM") via text message. The EFRI QAM notified DWMRC personnel in person, while at the DWMRC offices in Salt Lake City. On June 2, and June 5, 2014 Environmental Staff and Bayles Exploration repaired the well and removed the debris in the bottom of the well resulting from the damage. The Environmental Staff then overpumped the well and removed over 4 casing volumes to redevelop the well. The well was sampled and the routine, second quarter 2014 sample was collected on June 18, 2014.

Three new analytes were reported above the GWCL in the second quarter 2014 data. The analytes are uranium, vanadium and cadmium as shown in Tables 2 and 3. The third quarter 2014 data showed a decrease in all three constituents with vanadium and cadmium below the GWCLs. The one-time exceedances followed by a sharp decline indicated that the exceedances were temporary and are the result of the damage to the well and the subsequent activities undertaken to repair the casing and clean out the debris and soils.

Per the GWDP, EFRI began accelerated monitoring in third quarter 2014 at MW-28 for those three constituents. The first quarter 2015 MW-28 results for vanadium, cadmium and uranium are below the GWCLs. The second quarter 2015 MW-28 uranium result was slightly above the GWCL and within the analytical variability of the method. The third quarter 2015 result for uranium was below the GWCL. Per discussions with DWMRC, EFRI will continue to collect uranium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2015.

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.

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 the July monthly sampling event as indicated in Table 1. Two duplicate samples were collected during the September monthly sampling event 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.

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

One trip blank for each of the monthly accelerated sample events was 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 blanks 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.

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.

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): specific 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-37. MW-37 was 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, MW-23, 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 well MW-03A, MW-23, 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-1, MW-5, MW-12, MW-19, MW-23, MW-25, MW-26 Resample, MW-28, MW-29, and MW-36. 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-11, MW-14, MW-25, MW-26, MW-30, MW-31, and MW-35 in the September 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 DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DWMRC'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 DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC 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 RLs reported by both laboratories were checked against the RLs specified in the QAP Table 1. RL evaluations are provided in Tab G. The analytes were measured and reported to the required RLs except that several sets of quarterly, semi-annual and accelerated sample results had the RL 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 RL.

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 all nondetect for 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 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 samples except for nitrate in duplicate pair MW-3/MW-65. Both of the nitrate sample results reported for MW-3/MW-65 were not five times greater than the reporting limits 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 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, and 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. The quarterly, semi-annual, and accelerated radiologic duplicates met the requirements specified in the QAP.

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.

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 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 QAP 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 samples(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. Method blank results are included in Tab E and Tab F.

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 affects are applicable to the individual sample results only.

4.0 CORRECTIVE ACTION REPORT

There are no corrective actions required during the current monitoring period.

4.1 Assessment of Corrective Actions from Previous Period

No corrective actions were identified in the second quarter 2015 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 DWMRC, all of the data have been included in the quarterly time concentration plots since first quarter 2012.

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 November 18, 2015.

ENERGY FUELS RESOURCES (USA) INC.

By:

Scott A. Bakken
Senior Director Regulatory 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.

Scott A. Bakken
Senior Director Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q3 2015

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	7/27/2015	(8/11/15)
MW-03	Semi-annually	Semi-annually	7/28/2015	(8/11/15)
MW-03A	Semi-annually	Semi-annually	7/29/2015	(8/11/15)
MW-05	Semi-annually	Semi-annually	7/21/2015	(8/7/15)
MW-11	Quarterly	Quarterly	8/10/2015	(8/28/15) [9/10/2015]
MW-12	Semi-annually	Semi-annually	7/21/2015	(8/7/15)
MW-14	Quarterly	Quarterly	8/11/2015	(8/28/15) [9/10/2015]
MW-15	Semi-annually	Semi-annually	7/22/2015	(8/7/15)
MW-18	Semi-annually	Semi-annually	7/27/2015	(8/11/15)
MW-19	Semi-annually	Semi-annually	7/27/2015	(8/11/15)
MW-23	Semi-annually	Semi-annually	7/22/2015	N/A - Field pH measurement only
MW-24	Semi-annually	Semi-annually	7/29/2015	(8/11/15)
MW-25	Quarterly	Quarterly	8/10/2015	(8/28/15) [9/10/2015]
MW-26	Quarterly	Quarterly	8/10/2015	(8/28/15)
MW-26 Resample	Quarterly	Quarterly	8/17/2015	[9/10/15]
MW-27	Semi-annually	Semi-annually	7/21/2015	(8/7/15) [8/20/15]
MW-28	Semi-annually	Semi-annually	7/21/2015	(8/7/15)
MW-29	Semi-annually	Semi-annually	7/22/2015	(8/7/15)
MW-30	Quarterly	Quarterly	8/11/2015	(8/28/15) [9/10/2015]
MW-31	Quarterly	Quarterly	8/10/2015	(8/28/15) [9/10/2015]
MW-32	Semi-annually	Semi-annually	7/23/2015	(8/11/15) [8/20/15]
MW-35	Quarterly	Background	8/10/2015	(8/28/15) [9/10/2015]
MW-36	Quarterly	Background	7/21/2015	(8/7/15) [8/20/15]
MW-37	Quarterly	Background	8/11/2015	(8/28/15) [9/10/2015]
MW-65	Quarterly	Duplicate of MW-03	7/28/2015	(8/11/15)
MW-70	1 per Batch	Duplicate of MW-35	8/10/2015	(8/28/15) [9/10/2015]
Accelerated July Monthly				
MW-11	Monthly	Accelerated	7/7/2015	(7/22/15)
MW-14	Monthly	Accelerated	7/7/2015	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	7/6/2015	(7/22/15)
MW-26	Monthly	Accelerated	7/7/2015	(7/22/15)
MW-30	Monthly	Accelerated	7/7/2015	(7/22/15)
MW-31	Monthly	Accelerated	7/6/2015	(7/22/15)
MW-35	Monthly	Accelerated	7/7/2015	(7/22/15) [7/28/15]
MW-65	Monthly	Duplicate of MW-11	7/7/2015	(7/22/15)
Accelerated September Monthly				
MW-11	Monthly	Accelerated	9/16/2015	(10/2/2015)
MW-14	Monthly	Accelerated	9/16/2015	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	9/15/2015	(10/2/2015)
MW-26	Monthly	Accelerated	9/16/2015	(10/2/2015)
MW-30	Monthly	Accelerated	9/15/2015	(10/2/2015)
MW-31	Monthly	Accelerated	9/15/2015	(10/2/2015)
MW-35	Monthly	Accelerated	9/15/2015	(10/2/2015)
MW-35 Resample	Monthly	Accelerated	9/22/2015	(10/9/2015)
MW-35 Resample	Monthly	Accelerated	9/28/2015	[10/28/2015]
MW-65	1 per Batch	Duplicate of MW-11	9/16/2015	(10/2/2015)
MW-70	1 per Batch	Duplicate of MW-35	9/22/2015	(10/2/2015)
MW-70 Resample	1 per Batch	Duplicate of MW-35	9/28/2015	[10/28/2015]

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 (AWAL).

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
Quarterly Wells Accelerated to Monthly Sampling[1]							
MW-11 (Class II)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	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
	Chloride (mg/L)	35	36.8	Quarterly	Monthly	Q3 2015	December 2015
	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
	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
	Field pH (S.U.)	6.5	6.22	Quarterly	Monthly	Q4 2014	March 2015
	Ammonia (mg/L)	0.14	0.3	Quarterly	Monthly	Q4 2014	March 2015
	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
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	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
	Field pH (S.U.)	6.5 - 8.5	6.49**	Quarterly	Monthly	July 2011	August 2011
	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
Semi-Annual Wells Accelerated to Quarterly Sampling[1]							
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
	Field pH (S.U.)	6.77 - 8.5	6.75	Semi-Annually	Quarterly	Q3 2014	Q1 2015
	Sulfate (mg/L)	838	846	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Chloride (mg/L)	22.1	23.9	Semi-Annually	Quarterly	Q2 2015	Q1 2016
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
	Beryllium (ug/L)	2	2.08	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	Cadmium (ug/L)	4.67	5.03 (14.2)	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	Zinc (ug/L)	173.19	238 (373)	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	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	33.3	Semi-Annually	Quarterly	Q4 2014	Q3 2015
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
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
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.18	Semi-Annually	Quarterly	Q2 2010	Q3 2010
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
	Sulfate (mg/L)	2903	3120	Semi-Annually	Quarterly	Q4 2014	Q2 2015
	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	2.33	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Sulfate (mg/L)	462	497	Semi-Annually	Quarterly	Q2 2013	Q1 2014
	TDS (mg/L)	1075	1160	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-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Cadmium (ug/L)	5.2	5.41	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Uranium (ug/L)	4.9	61.3	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Vanadium (ug/L)	30	109	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	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
	Sulfate (mg/L)	2946	2960	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	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
	Chloride (mg/L)	35.99	36.3	Semi-Annually	Quarterly	2 2014 (Q1 201	Q2 2014*
	Field pH (S.U.)	6.4 - 8.5	6.03	Semi-Annually	Quarterly	Q2 2010	Q3 2010

Notes:
[1] GWCL Values are taken from August 24, 2012 versions of the GWDP.
() Values listed in parentheses are resample results from the same sampling period. Sampled were recollected due field or laboratory problems as noted in the specific report for that sample period.
Highlighted text shows accelerated requirements resulting from Q3 2015 sampling event.

* Chloride exceeded the GWCL in Q2 2014. The exceedance was not reported in the groundwater program, but chloride data were collected in MW-32 as part of the chloroform sampling program. No accelerated sampling data were lost. Chloride exceeded the GWCL in MW-32in Q1 2015. The Q1 2015 data are reported above.

** Field pH in MW-35 was below the GWCL in the July 2011 monthly sampling event. THE GWDP did not specufy field pH limits for MW-35. Per a request from DWMRC, EFRI began using the GWQS for the field pH in MW-35.

Eight consecutive samples have been collected below the GWCL. Pursuant to the DRC letter of August 11, 2015, these constituents will be returned to the routine sample frequency.

Table 3 – GWCL Exceedances for Third Quarter 2015 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
Required Quarterly Sampling Wells																						
MW-11 (Class II)	Manganese (ug/L)	131.29	2/10/2010	**134**	4/28/2010	**137**	5/24/2010	122	6/16/2010	99	7/20/2010	123	8/25/2010	138	9/8/2010	128	10/20/2010	**141**	11/11/2010	**133**	12/15/10	**158**
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/2/2010	**6.45**	4/21/2010	**6.29**	5/21/2010	**6.36**	6/16/2010	**6.45**	7/20/2010	7.19	8/25/2010	**6.48**	9/8/2010	6.51	10/20/2010	6.60	11/10/2010	**6.37**	12/15/2010	**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
	Chloride (mg/L)	35		31		31		NA		NA		NA		NA		31		NA		31		NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	Uranium (ug/L)	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
	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 9/21/2010	**15**	10/19/2010	**15**	11/9/2010	**15**	12/14/2010	**16**
	Chloride (mg/L)	128		127		97		NA		NA	NS	NA	NS	NA		111		NA		126		NA
	Uranium (ug/L)	8.32		6.82		6.82		NA		NA	NS	NA	NS	NA		7.10		NA		6.64		NA
	Field pH (S.U.)	6.5 - 8.5		6.81		6.55		6.62		7.47	7/21/2010 7/27/2010	6.80 (6.82)	8/24/2010	6.73		6.80 (6.84)		6.77		6.75		6.65
	Ammonia (mg/L)	0.14		<0.05		<0.05		NA		NA	NS	NA	NS	NA		<0.05		NA		0.05		NA
	Selenium (ug/L)	34		32		**35.3**		NA		NA	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	NA	NS	NA	NS	NA	NS	NA		**1330**	NS	NA		1320		NS
	Chloride (mg/L)	143		128		128	NS	NA	NS	NA	NS	NA	NS	NA		139	NS	NA		138		NS
	Selenium (ug/L)	71		60.8		59.6	NS	NA	NS	NA	NS	NA	NS	NA		64.4	NS	NA		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	NA	NS	NA	NS	NA	NS	NA		527	NS	NA		**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	**698**	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		2.6		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		NA		NA		NA		NA		NA		NA		7.46		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
Required Semi-Annual Sampling Wells																						
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	5/5/2010	7.8	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/8/2010	10.7	NS	NA
	Chloride (mg/L)	22.1		NA		18		NA		NA		NA		NA		NA		NA		15		NA
	Field pH (S.U.)	6.77 - 8.5		NA		7.86 (6.87)		NA		NA		NA		NA		NA		NA		6.96		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
	Beryllium (ug/L)	2		NA		<0.5		NA		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		0.78		NA		NA		NA		NA		NA		NA		0.63		NA
	Zinc (ug/L)	173.19		NA		96		NA		NA		NA		NA		NA		NA		40		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)	Selenium (ug/L)	25	NS	NA	4/27/2010	**25.7**	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	**31.9**	NS	NA	11/19/2010	**27.6**	NS	NA
	Field pH (S.U.)	6.5 - 8.5	NS	NA		7.16		NA		NA		NA		NA		6.62		NA		**6.47**		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

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	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	December Monthly Result
Required Semi-Annual Sampling Wells, continued																						
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	5/4/2010	***3.73***	NS	NA	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		NA		1930		NA		1910		NA
	Field pH (S.U.)	6.25-8.5		NA		***6.2***		NA		NA		NA		NA		7.23		NA		6.37		NA
	TDS (mg/L)	3198.77		NA		***3280***		NA		NA		NA		NA		3190		NA		3030		NA
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	NS	NA	9/15/2010	6.93	NS	NA	11/18/2010	6.8	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.6		NA		NA		NA		NA		NA		NA		2.4		NA
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	NS	NA	9/14/2010	7.05	NS	NA	11/22/2010	***6.44***	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	5/6/2010	***4.28***	NS	NA	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		NA		NA		NA		0.18		NA
	Sulfate (mg/L)	2903		NA		2560		NA		NA		NA		NA		NA		NA		2760		NA
	Thallium (ug/L)	1		NA		***1.3***		NA		NA		NA		NA		***1.57***		NA		***1.09***		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***5.91 (5.78)***		NA		NA		NA		NA		6.64		NA		***6.1***		NA
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	NS	NA	9/14/2010	***5.9***	NS	NA	11/12/2010	***5.7***	NS	NA
	Chloride (mg/L)	38		NA		***42***		NA		NA		NA		NA		***42***		NA		***45***		NA
	Sulfate (mg/L)	462		NA		***469***		NA		NA		NA		NA		461		NA		452		NA
	TDS (mg/L)	1075		NA		***1160***		NA		NA		NA		NA		1060		NA		***1110***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		1.6		NA		NA		NA		NA		NA		NA		***2.4***		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	4/19/2010	***108***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	***106***	NS	NA	11/12/2010	***107***	NS	NA
	Cadmium (ug/L)	5.2		NA		4.20		NA		NA		NA		NA		NA		NA		4.11		NA
	Uranium (ug/L)	4.9		NA		3.36		NA		NA		NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.67***		NA		NA		NA		NA		***5.91***		NA		***5.72***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	4/27/2010	4400	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/2010	4390	NS	NA
	Sulfate (mg/L)	2946		NA		2770		NA		NA		NA		NA		NA		NA		2690		NA
	Field pH (S.U.)	6.46 - 8.5		NA		6.82		NA		NA		NA		NA		NA		NA		***6.17***		NA
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	NS	NA	9/13/2010	2.9	NS	NA	11/10/2010	***8.8***	NS	NA
	Chloride (mg/L)	35.39		NA		30		NA		NA		NA		NA		NA		NA		35		NA
	Field pH (S.U.)	6.4 - 8.5		NA		***6.03***		NA		NA		NA		NA		***6.33***		NA		***6.05***		NA

Notes:

GWCL values are taken from August 24, 2012 version of GWDP.

NS = Not Required and Not Sampled
NR = Required and
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 Third Quarter 2015 under the August 24, 2012 GWDP

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	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 Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/2011	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		118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	6.37	2/7/2011	6.22	3/14/2011	6.76	4/4/2011	6.63	5/10/2011	6.37	6/15/2011	5.83	7/5/2011	6.4	8/3/2011	6.23 (6.41)	9/8/2011	6.50	10/4/2011	6.71 (6.82)	11/9/2011	6.63	12/12/2011	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 8/30/11	6.42 (6.54)	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Chloride (mg/L)	35		NA		30		NA		31		NA		NA		NA	8/3/2011	32		NA		32		NA		NA
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Uranium (ug/L)	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 8/30/11	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
	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 11/29/2011	16	11/8/2011	16	12/12/2011	16
	Chloride (mg/L)	128		NA		134		NA		134		128		127		127		126		145		129		122		124
	Uranium (ug/L)	8.32		NA		5.97		NA		6.49		NA		NA		NA		8		NA		9.83		NA		NA
	Field pH (S.U.)	6.5 - 8.5		6.65		6.96		7.10		6.83		6.70		5.66		6.65		6.61		6.80		6.96 (6.73)		6.83		7.14
	Ammonia (mg/L)	0.14		NA		0.05		NA		<0.05		NA		NA		NA		<0.05		NA		<0.05		NA		NA
	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		NA		143		143		145		148		148		148		145		145		148
	Selenium (ug/L)	71		NS		64.6		NA		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
	Field pH (S.U.)	6.5 - 8.5		NA		7.17		NA		7.31		NA		NA		6.49		6.40		6.47		6.59		6.51		6.90
	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
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	NS	NA	NS	NA	4/19/2011	10.7	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/11/2011	7.82	NS	NA	NS	NA
	Chloride (mg/L)	22.1		NA		NA		NA	4/11/2011	18		NA		NA		NA		NA		NA		17		NA		NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		7.06 (7.67)		NA		NA		NA		NA		NA		7.08 (7.51)		NA		NA
	Sulfate (mg/L)	838		NA		NA		NA		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
	Beryllium (ug/L)	2		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		1.26		NA		NA		NA		NA		NA		1.01		NA		NA
	Zinc (ug/L)	173.19		NA		NA		NA		104		NA		NA		NA		NA		NA		74		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
	Fluoride (Mg/L)	0.68		NA		0.69		NA		0.68		NA		NA		NA		0.96		NA		0.91		NA		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2011	6.05	NS	NA	4/13/2011	6.58	NS	NA	NS	NA	NS	NA	8/11/2011	6.19	NS	NA	10/11/2011	6.5 (6.92)	NS	NA	NS	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		NA		NA		1.2		NA		NA		NA		NA		NA		1.1		NA		NA
	TDS (mg/L)	5805		NA		5770		NA		5720		NA		NA		NA		5810		NA		5630		NA		NA
	Selenium (ug/L)	89		NA		99		NA		85.8		NA		NA		NA		88.5		NA		95		NA		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	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)	Selenium (ug/L)	25	NS	NA	2/15/2011	39.0	NS	NA	4/5/2011	21.7	NS	NA	NS	NA	NS	NA	8/9/2011	25.4	NS	NA	10/6/2011	35.4	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.43		NA		6.67		NA		NA		NA		6.13		NA		6.7 (6.97)		NA		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	NS	NA	4/12/2011	116	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/10/2011	112	NS	NA	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		NA		6.88		NA		NA		NA		NA		NA		6.70		NA		NA

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	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	NS	NA	8/10/2011 9/21/11	***4.0 3.39***	NS	NA	10/11/2011	***3.83***	NS	NA	NS	NA
	Sulfate (mg/L)	1938.9		NA		1770		NA		1780		NA		NA		NA		1910		NA		***2020***		NA		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.71		NA		NA		NA		***5.95 (6.30)***		NA		6.55 (6.63)		NA		NA
	TDS (mg/L)	3198.77		NA		***3250***		NA		***3250***		NA		NA		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	NS	NA	7/20/3011	***6.65***	NS	NA	10/12/2011	6.88 (7.02)	NS	NA	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NS		NA		2.6		NA		NA		NA		NS		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	NS	NA	8/4/2011	***6.38***	NS	NA	10/6/2011	6.56 (6.77)	NS	NA	NS	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	NS	NA	8/4/2011	1.46	NS	NA	10/11/2011	1.78	NS	NA	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		NA		0.19		NA		NA		NA		NA		NA		0.36		NA		NA
	Sulfate (mg/L)	2903		NA		NA		NA		2560		NA		NA		NA		NA		NA		2500		NA		NA
	Thallium (ug/L)	1		NA		***1.42***		NA		***1.07***		NA		NA		NA		<0.50		NA		0.62		NA		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***5.73***		NA		***6.12***		NA		NA		NA		***6.45***		NA		***6.44***		NA		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	NS	NA	8/8/2011	***6***	NS	NA	10/5/2011	***6.3***	NS	NA	NS	NA
	Chloride (mg/L)	38		NA		***46***		NA		***43***		NA		NA		NA		***43***		NA		***44***		NA		NA
	Sulfate (mg/L)	462		NA		455		NA		442		NA		NA		NA		424		NA		456		NA		NA
	TDS (mg/L)	1075		NA		***1090***		NA		***1190***		NA		NA		NA		***1090***		NA		***1110***		NA		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		0.7		NA		1.1		NA		NA		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	NS	NA	8/8/2011	105	NS	NA	10/5/2011	***143***	NS	NA	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		4.13		NA		NA		NA		NA		NA		3.99		NA		NA
	Uranium (ug/L)	4.9		NA		NA		NA		3.29		NA		NA		NA		NA		NA		3.19		NA		NA
	Vanadium (ug/L)	30		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.69***		NA		***6.01***		NA		NA		NA		***5.78***		NA		***6.07*** (6.11)		NA		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	NS	NA	NS	NA	4/18/2011	4080	NS	NA	NS	NA	NS	NA	8/9/2011	NA	NS	NA	10/5/2011	4280	NS	NA	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		2600		NA		NA		NA		NA		NA		2850		NA		NA
	Field pH (S.U.)	6.46 - 8.5		NA		NA		NA		***6.45***		NA		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	NS	NA	8/2/2011 8/30/11	1.9	NS	NA	10/3/2011	***3.7***	NS	NA	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		33		NA		NA		NA		NA		NA		34		NA		NA
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		***6.14***		NA		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

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 Third Quarter 2015 under the August 24, 2012 GWDP

			Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 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 Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/26/2012	102	2/13/2012	154	3/13/2012	121	4/10/2012	132	5/8/2012	127	6/19/2012	122	7/11/2012	135	8/7/2012	166	9/19/2012	130	10/23/2012	161	11/12/2012	138	12/24/2012	137
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.36	2/21/2012	6.57	3/14/2012	6.51	4/12/2012	6.97	5/9/2012	6.73	6/19/2012	6.90	7/11/2012	6.89	8/7/2012	6.58	9/18/2012	7.08	10/23/2012	6.83	11/27/2012	6.52	12/18/2012	6.60
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/25/2012	6.63	2/14/2012	6.83	3/14/2012	6.55	4/9/2012	6.58	5/2/2012	6.73	6/18/2012	6.99	7/10/2012	6.88	8/6/2012	6.55	9/18/2012	6.54	10/22/2012	6.54	11/12/2012	6.47	12/24/2012	6.62
	Chloride (mg/L)	35		NA		30		NA		NA		30		NA		33		NA		NA		NA		28.8		NA
	Cadmium (ug/L)	1.5		NA		1.31		NA		NA		1.33		NA		1.24		NA		NA		NA		1.56		NA
	Uranium (ug/L)	6.5		6.6		6.5		6.93		6.52		5.90		7.6		6.45		6.72		6.01		6.37		6.61		4.83
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/25/2012	1.9	2/15/2012	1.2	3/14/2012	3	4/11/2012	3.4	5/7/2012 6/26/2012	2.9	6/19/2012	2.3	7/11/2012	1.9	8/8/2012	1.6	9/19/2012	1.8	10/24/2012	3.5	11/15/2012	0.55	12/24/2012	1.46
	Uranium (ug/L)	41.8		64.6	2/21/2012	59.4		31.2		42.2		18.2		66.0		28.4		67.4		64.9		26.9		56.8		51.3
	Chloroform (ug/L)	70		1900	2/15/2012	3300		2900		2900		1700		2400	8/16/2012	970		2200		2300		4720		4020		1250
	Chloride (mg/L)	58.31		68		40		74		82		74		85	7/11/2012	78		78		67		2.62		52.9		65.9
	Field pH (S.U.)	6.74 - 8.5		6.59	2/15/2012 2/21/2012 3/8/2012	6.72 (6.91) (6.71)		6.39		6.88		7.00 (7.01)		7.00	7/11/2012 8/16/2012	7.10 (6.80)		6.60		7.40		6.63		6.60		6.78
	Dichloromethane (Methylene Chloride) (ug/L)	5		13	2/15/2012	24		27		20		10		16	8/16/2012	4.9		17		9.8		15.0		34.6		5.5
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/24/2012	17	2/14/2012	17	3/14/2012	18	4/10/2012	17	5/2/2012	16	6/18/2012	15	7/10/2012	17	8/7/2012	18	9/19/2012	16	10/23/2012	16.2	11/13/2012	18.5	12/26/2012	17.2
	Chloride (mg/L)	128		124		126		128		128		124		131		128		139		130		135		114		122
	Uranium (ug/L)	8.32	NS	NA		7.42		8.38		7.84		6.81		7.8		7.64		8.04		7.67		7.86		7.03		5.80
	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.52		7.12		6.86		7.05		6.95		7.10		7.25		6.95		7.85		6.80		6.67		6.95
	Ammonia (mg/L)	0.14	NS	NA		<0.05		NA		NA		<0.05		NA		<0.05		NA		NA		NA		<0.05		NA
	Selenium (ug/L)	34	1/24/2012	33.3		35		39.5		39.1		32.3		37		38.5		38.4		41.9		45.2		36		31.6
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/24/2012	21	2/13/2012	21	3/13/2012	22	4/9/2012	21	5/2/2012	20	6/18/2012 6/29/2012	21.6	7/9/2012	21	8/6/2012	21	9/18/2012	21	10/22/2012	18	11/6/2012	23.6	12/18/2012	22.2
	TDS (mg/L)	1320		1360		1240		1400		1380		1410		1460		1400		1400		1460		1320		1230		1270
	Chloride (mg/L)	143		155		150		152		160		151		138		161		175		172		157		189		170
	Selenium (ug/L)	71		NS		67.8		NS		NS		70.2		NA		74		NA		NA		NA		76.9		NA
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28 (7.63)		7.53		6.96		7.1		7.05		7.04		7.10
	Sulfate (mg/L)	532		539		538		517		547		532		497		529		571		561		545		557		664
MW-35 (Class II)	Manganese (ug/L)	200	1/24/2012	264	2/14/2012	253	3/13/2012	269	4/10/2012	277	5/2/2012	258	6/19/2012	304	7/10/2012	272	8/8/2012	273	9/19/2012	283	10/23/2012	253	11/13/2012	241	12/18/2012	240
	Thallium (ug/l)	0.5		< 0.50		0.65		0.71		0.59		0.66		< 0.50		0.57		0.61		0.54		0.517		0.554		0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.5		4.1		6.2		4.1		4.5		4.9		3.5		4.2		5.4		4.31		4.23		6.5
	Field pH (S.U.)	6.5 - 8.5		6.35		6.67		6.48		6.84		6.61		6.90		6.87		6.74		6.81		6.43		6.50		6.60
	Selenium (ug/L)	12.5		NA		19.7		NA		NA		11.4		7.0		15.9		18.8		8.2		19.0		15.4		12.1
	Uranium (ug/L)	7.5		16.1		24.7		24.9		22.4		22.2		22.5		24.5		26.2		22.9		22.4		21.8		21
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	NS	NA	NS	NA	NS	NA	5/1/2012	10.3	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/27/2012	21.8	NS	NA
	Chloride (mg/L)	22.1		NA		NA		NA		NA		18		NA		NA		NA		NA		NA		18.5		NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		NA		7.19		NA		NA		NA		NA		NA		6.98		NA
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		NA		NA		NA		NA		NA		846		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/29/2012	43.1	NS	NA	NS	NA	5/14/2012	52.8	NS	NA	7/18/2012	51.1	NS	NA	NS	NA	NS	NA	11/28/2012	58.9	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.63		NA		NA		6.67		NA		6.99		NA		NA		NA		6.55		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.06		NA		NA		NA		NA		NA		0.954		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		68		NA		NA		NA		NA		NA		46.1		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		3140		NA		NA		NA		NA		NA		2340		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.4		NA		NA		NA		NA		NA		0.419		NA
	Fluoride (Mg/L)	0.68		NA		0.86		NA		NA		1.04		NA		0.96		NA		NA		NA		1.26		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/1/2012	6.46	NS	NA	NS	NA	5/15/2012	6.68	NS	NA	7/19/2012	7.01	NS	NA	NS	NA	NS	NA	11/29/2012	6.35	NS	NA
	Sulfate (mg/L)	3640		NA		3020		NA		NA		3220		NA		3700		NA		NA		NA		2780		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		NA		NA		1.1		NA		NA		NA		NA		NA		1.31		NA
	TDS (mg/L)	5805		NA		5690		NA		NA		5730		NA		5720		NA		NA		NA		5610		NA
	Selenium (ug/L)	89		NA		65.8		NA		NA		85.1		NA		99.3		NA		NA		NA		111		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/28/2012	18.6	NS	NA	NS	NA	5/9/2012	1.23	NS	NA	7/16/2012	0.75	NS	NA	NS	NA	NS	NA	11/27/2012	0.402	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/29/2012	NA	NS	NA	NS	NA	5/10/2012	19.6	NS	NA	7/17/2012	20.7	NS	NA	NS	NA	NS	NA	11/27/2012	23.0	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.81		NA		NA		6.91		NA		6.98		NA		NA		NA		6.54		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/9/2012	152	NS	NA	7/17/2012	120	NS	NA	NS	NA	NS	NA	11/14/2012	117	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.84		NA		NA		6.63		NA		7.05		NA		NA		NA		6.86		NA

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2012 Results: 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	Q2 2012 Results: 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 Results: 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	Q4 2012 Results: 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		1920		NA		NA		1790		NA		1900		NA		NA		NA		1210		NA
	Field pH (S.U.)	6.25-8.5		NA		6.6		NA		NA		6.59		NA		6.64		NA		NA		NA		6.51		NA
	TDS (mg/L)	3198.77		NA		***3230***		NA		NA		***3280***		NA		***3220***		NA		NA		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
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.9***		NA		NA		***3.7***		NA		***4***		NA		NA		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
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		NA		NA		NA		0.14		NA		NA		NA		NA		NA		***0.558***		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2490		NA		NA		NA		NA		NA		2310		NA
	Thallium (ug/L)	1		NA		0.96		NA		NA		0.74		NA		***1.36***		NA		NA		NA		0.666		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.03***		NA		NA		***6.21***		NA		***6.45***		NA		NA		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		NA		***45***		NA		NA		***46***		NA		***47***		NA		NA		NA		***44.2***		NA
	Sulfate (mg/L)	462		NA		451		NA		NA		446		NA		453		NA		NA		NA		451		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1170***		NA		***1150***		NA		NA		NA		1070		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		***2.3***		NA		NA		0.8		NA		1.2		NA		NA		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 8/1/2012	105	NS	NA	NS	NA	NS	NA	11/14/2012	***115***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		3.85		NA	NS	NA		NA		NA		NA		4.37		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.44		NA	NS	NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA	NS	NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		6.22		NA		NA		6.15		NA	7/16/2012 8/1/2012	***6.38 (5.81)***		NA		NA		NA		***5.98***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/8/2012	***4600***	NS	NA	8/1/2012	***4420***	NS	NA	NS	NA	NS	NA	11/14/2012	***4430***	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2750		NA	NS	NA		NA		NA		NA		1340		NA
	Field pH (S.U.)	6.46 - 8.5		NA		7.12		NA		NA		6.47		NA	7/16/2012 8/1/2012	***6.68 (6.45)***		NA		NA		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
	Chloride (mg/L)	35.39		NA		NA		NA		NA		33		NA		1.4		NA		NA		NA		32.1		NA
	Field pH (S.U.)	6.4 - 8.5		NA		6.57		NA		NA		6.40		NA		6.72		NA		NA		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 Sampled

Applicable

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for Third Quarter 2015 under the August 24, 2012 GWDP

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 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
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/23/2013	115	2/20/2013	139	3/20/2013	164	4/16/2013	181	5/14/2013	144	6/25/2013	135	7/10/2013	138	8/20/2013	158	9/18/2013	134	10/22/2013	129	11/19/2013	152	12/18/2013	196
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	6.48	2/26/2013	6.52	3/20/2013	6.48	4/16/2013	7.58	5/14/2013	7.39	6/25/2013	6.54	7/11/2013	6.47	8/20/2013	6.86	9/19/2013	6.48	10/22/2013	6.77	11/20/2013	6.51	12/18/2013	6.74
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
	Chloride (mg/L)	35		NA		36.1		NA		NA		28.1		30.4		28		31.1		29.6		28.6		29		31.2
	Cadmium (ug/L)	1.5		NA		1.35		1.40		1.36		1.52		1.31		1.41		1.57		1.31		1.50		1.35		1.23
	Uranium (ug/L)	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
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 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
	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
	Chloroform (ug/L)	70		1270		1500		1340		1680		1210		4030*		2410		2110		4170		3420		1220		1680
	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
	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
	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
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
	Chloride (mg/L)	128		128		129		126		117		119		127		130		126		131		128		124		134
	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
	Field pH (S.U.)	6.5 - 8.5		6.88		6.93		6.91		7.42		7.54		6.93		6.87		7.06		6.78		6.96		6.84		7.10
	Ammonia (mg/L)	0.14		NA		<0.05		NA		NA		<0.05		NA		<0.05		NA		NA		NA		<0.05		NA
	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
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
	TDS (mg/L)	1320		1270		1390		1420		1260		1540		1380		1510		1440		1500		1460		1320		1500
	Chloride (mg/L)	143		176		174		168		171		169		179		182		183		193		188		174		203
	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
	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
	Sulfate (mg/L)	532		611		644		611		668		630		659		659		656		666		637		609		656
MW-35 (Class II)	Manganese (ug/L)	200	1/23/2013	247	2/26/2013	272	3/19/13	246	4/17/2013	243	5/13/2013	252	6/24/2013	243	7/9/2013	250	8/19/2013	262	9/17/2013	257	10/23/2013	240	11/19/2013	251	12/17/2013	260
	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
	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
	Field pH (S.U.)	6.5 - 8.5		6.54		6.68		6.43		6.96		7.33		6.70		6.51		7.02		6.50		6.83		6.52		6.73
	Selenium (ug/L)	12.5		11.0		10.8		22.6		11.8		16.1		13.6		8.01		<5		<5		19.8		<5		<5
	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
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	3/12/2013	12.6	NS	NA	NS	NA	5/21/2013	3.26	NS	NA	7/23/2013	1.86	NS	NA	NS	NA	NS	NA	12/4/2013	5.51	NS	NA
	Chloride (mg/L)	22.1		NA		NA		NA		NA		17.8		NA		NA		NA		NA		NA		18.7		NA
	Field pH (S.U.)	6.77 - 8.5		NA		6.77		NA		NA		7.57		NA		7.04		NA		NA		NA		7.04		NA
	Sulfate (mg/L)	838		NA		761		NA		NA		839		NA		911		NA		NA		NA		930		NA
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
	Field pH (S.U.)	6.5 - 8.5		NA		6.20		NA		NA		7.14		NA		6.46		NA		NA		NA		6.78		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.42		NA		NA		NA		NA		NA		<0.5		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		72.1		NA		NA		NA		NA		NA		20.3		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		NA		NA		3760		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		NA		NA		1.21		NA
	Fluoride (Mg/L)	0.68		NA		0.902		NA		NA		0.994		NA		1.18		NA		NA		NA		1.28		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/13/2013	6.84	NS	NA	NS	NA	5/23/2013	7.10	NS	NA	7/19/2013	6.50	NS	NA	NS	NA	NS	NA	12/11/2013	6.98	NS	NA
	Sulfate (mg/L)	3640		NA		3480		NA		NA		3120		NA		3670		NA		NA		NA		3360		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.22		NA		NA		1.11		NA		1.09		NA		NA		NA		1.52		NA
	TDS (mg/L)	5805		NA		5750		NA		NA		6020		NA		5860		NA		NA		NA		5940		NA
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		NA		NA		77.9		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	3/11/2013	36	NS	NA	NS	NA	5/14/2013	1.33	NS	NA	7/18/2013	0.574	NS	NA	NS	NA	NS	NA	12/4/2013	20.1	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	3/6/2013	19.6	NS	NA	NS	NA	5/15/2013	19	NS	NA	7/17/2013	20.5	NS	NA	NS	NA	NS	NA	12/9/2013	21.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.56		NA		NA		7.19		NA		6.60		NA		NA		NA		6.69		NA
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
	Field pH (S.U.)	6.62 - 8.5		NA		6.75		NA		NA		7.27		NA		6.68		NA		NA		NA		6.61		NA

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2013 Results: 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	Q2 2013 Results: 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 Results: 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	Q4 2013 Results: 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
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
	Sulfate (mg/L)	1938.9		NA		1270		NA		NA		1860		NA		1860		NA		NA		NA		***2000***		NA
	Field pH (S.U.)	6.25-8.5		NA		6.35		NA		NA		6.97		NA		6.45		NA		NA		NA		6.38		NA
	TDS (mg/L)	3198.77		NA		***3350***		NA		NA		3160		NA		3170		NA		NA		NA		***3240***		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
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.61***		NA		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
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
	Fluoride (mg/L)	0.36		NA		0.355		NA		NA		0.211		NA		0.288		NA		NA		NA		0.310		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2070		NA		NA		NA		NA		NA		2490		NA
	Thallium (ug/L)	1		NA		0.88		NA		NA		0.618		NA		***1.64***		NA		NA		NA		0.707		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.29***		NA		NA		6.77		NA		***5.80***		NA		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
	Chloride (mg/L)	38		NA		***50.3***		NA		NA		***44.3***		NA		***44.2***		NA		NA		NA		***45.0***		NA
	Sulfate (mg/L)	462		NA		431		NA		NA		***497***		NA		NA		NA		NA		NA		442		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1110***		NA		***1110***		NA		NA		NA		***1100***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		1.57		NA		<1.00		NA		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
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		4.61		NA		NA		NA		NA		NA		4.74		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.58		NA		NA		NA		NA		NA		3.34		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***6.00***		NA		NA		6.63		NA		***5.97***		NA		NA		NA		6.10		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	3/6/2013	***4500***	NS	NA	NS	NA	5/23/2013	4340	NS	NA	7/17/2013	4270	NS	NA	NS	NA	NS	NA	11/20/2013	4370	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2450		NA		NA		NA		NA		NA		2750		NA
	Field pH (S.U.)	6.46 - 8.5		NA		***6.36***		NA		NA		6.88		NA		***6.37***		NA		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
	Chloride (mg/L)	35.39		NA		NA		NA		NA		32.3		NA		NA		NA		NA		NA		33.7		NA
	Field pH (S.U.)	6.4 - 8.5		NA		6.52		NA		NA		7.10		NA		***6.39***		NA		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
NA = Not
Analyzed
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Third Quarter 2015 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2014 Results						Q2 2014 Results						Q3 2014 Results						Q4 2014 Results					
			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	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	July 2014 Monthly Sample Date	July 2014 Monthly Result	August 2014 Monthly Sample Date	August 2014 Monthly Result	Q3 2014 Sample Date	Q3 2014 Result	October 2014 Monthly Sample Date	October 2014 Monthly Result	Q4 2014 Sample Date	Q4 2014 Result	December 2014 Monthly Sample Date	December 2014 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/8/2014	141	2/24/2014	163	3/11/2014	134	4/25/2014	136	5/14/2014	128	6/3/2014	166	7/29/2014	139	8/20/2014	139	9/8/2014	74.0	10/6/2014	157	11/17/2014	125	12/10/2014	186
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/8/2014	6.60	2/24/2014	6.16	3/11/2014	6.33	4/23/2014	6.84	5/13/2014	6.60	6/3/2014	7.63	7/28/2014	6.44	8/20/2014	7.07	9/2/2014	6.41	10/7/2014	6.46	11/12/2014	6.25	12/10/2014	6.40
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	4/28/2014	7.18	5/13/2014	6.80	6/2/2014	6.74	7/28/2014	6.36	8/18/2014	7.17	9/3/2014	6.50	10/6/2014	6.49	11/4/2014	6.31	12/9/2014	6.36
	Chloride (mg/L)	35		31		30.4		31.5		31		26.4		30.9		NA		NA		30		NA		29.6		NA
	Cadmium (ug/L)	1.5		1.39		1.29		1.29		1.51		1.34		1.24		1.30		1.30		1.30		1.41		1.57		1.27
	Uranium (ug/L)	6.5		NA		5.83		6.26		10.6		7.43		6.07		5.9		6.1		6.0		6.67		6.04		5.75
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	4/30/2014	1.20	5/14/2014	1.64	6/5/2014	1.42	7/29/2014	2.0	8/20/2014	1.00	9/4/2014	1.10	10/7/2014	0.704	11/18/2014	1.09	12/10/14 12/15/14	<0.100
	Uranium (ug/L)	41.8		81.7		72.2		51.8		96.0		90.6		75.0		86.5		74.4		48.4		75.4		66.0		42.5
	Chloroform (ug/L)	70		1580		2810		2800		1310		1580		1450		2330		2200		1580		894		1520		2280
	Chloride (mg/L)	58.31		69.7		70.4		61.0		62.1		61.0		63.2		80.0		59.0		68.0		57.7		54.2		65.5
	Field pH (S.U.)	6.74 - 8.5		6.80		6.78		6.50		7.19		7.13		6.78		6.60		7.28		6.67		6.85		6.09		6.25 (6.44)
	Dichloromethane (Methylene Chloride) (ug/L)	5		6.52		25.8		15.5		5.54		10.2		6.73		9.6		43.3		10.9		3.78		7.34		28.4
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	4/23/2014	18.3	5/14/2014	17.9	6/3/2014	19.4	7/29/2014	15.6	8/20/2014	13.8	9/9/2014	16.8	10/7/2014	11.0	11/10/2014	16.2	12/10/2014	17.1
	Chloride (mg/L)	128		131		135		144		154		128		128		140		139		136		136		154		138
	Uranium (ug/L)	8.32		NA		6.83		7.84		6.84		9.82		7.35		7.40		7.60		7.70		7.76		7.65		7.67
	Field pH (S.U.)	6.5 - 8.5		6.74		6.80		6.56		7.06		6.88		6.89		6.76		7.51		6.82		6.92		6.22		6.77
	Ammonia (mg/L)	0.14		NA		NA		<0.05		NA		NA		<0.05		NA		NA		<0.05		NA		0.30		NA
	Selenium (ug/L)	34		35.6		35.8		38.0		32.8		37.0		35.4		42.9		48.5		53.6		38.9		36.8		37.5
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	4/28/2014	19.1	5/13/2014	23.3	6/2/2014	23.1	7/28/2014	19.0	8/18/2014	15.2	9/3/2014	18.9	10/6/2014	15.9	11/14/2014	20.9	12/9/2014	17.0
	TDS (mg/L)	1320		1510		1460		1490		1440		1510		1520		1400		1410		1460		1420		1520		1450
	Chloride (mg/L)	143		194		197		230		230		200		173		200		210		210		205		204		215
	Selenium (ug/L)	71		74.4		75.8		77.2		85.4		74.5		69.4		77.9		82.8		81.5		78.9		73.0		71.1
	Field pH (S.U.)	6.5 - 8.5		7.13		6.45		6.53		7.45		6.83		8.23		6.88		7.60		6.94		6.97		6.69		6.73
	Sulfate (mg/L)	532		558		480		681		527		639		555		600		620		560		606		639		687
MW-35 (Class II)	Manganese (ug/L)	200	1/8/2014	252	2/11/2014	247	3/11/14	204	4/25/2014	194	5/14/2014	249	6/4/2014	202	7/29/2014	212	8/20/2014	191	9/3/2014	177	10/6/2014	228	11/12/2014	222	12/9/2014	232
	Thallium (ug/l)	0.5		0.535		<0.5		<0.5		0.582		0.521		<0.5		<0.5		<0.5		0.6		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		4.12		3.98		4.33		2.95		3.67		3.36		3.09		4.70		3.93		4.14		3.92		4.54
	Field pH (S.U.)	6.5 - 8.5		6.54		6.07		6.32		6.79		7.10		6.83		6.55		7.07		6.46		6.54		6.35		6.25
	Selenium (ug/L)	12.5		8.95		12.3		14.1		18.6		17.0		13.9		13.2		28.9		31.4		15.5		10.1		7.5
	Uranium (ug/L)	7.5		20.8		20.6		21.5		30.6		26.9		21.9		26.5		20.3		23.6		23.9		19.6		20.3
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	NS	NA	2/20/2014	3.25	NS	NA	NS	NA	5/28/2014	3.39	NS	NA	NS	NA	9/10/2014	NS	NS	NA	11/17/2014	<1.0	NS	NA
	Chloride (mg/L)	22.1		NA		NA		NA		NA		NA		20.4		NA		NA		NA		NA		19		NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		6.61		NA		NA		7.11		NA		NA		6.75		NA		6.87		NA
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		909		NA		NA		810		NA		920		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	NS	NA	2/26/2014	37.0	NS	NA	NS	NA	5/30/2014	69.5	NS	NA	NS	NA	9/16/2014	94.0	NS	NA	11/17/2014	62.4	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.23		NA		NA		6.56		NA		NA		6.13		NA		6.37		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		NA		1.7		NA		NA		NA		NA		2		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		NA		94.5		NA		NA		NA		NA		98.3		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3120		NA		3800		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.6		NA		0.330		NA
	Fluoride (Mg/L)	0.68		NA		NA		0.771		NA		NA		1.02		NA		NA		1.0		NA		1.08		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.58	NS	NA	NS	NA	5/30/2014	6.60	NS	NA	NS	NA	9/17/2014	6.40	NS	NA	11/12/2014	6.41	NS	NA
	Sulfate (mg/L)	3640		NA		NA		3100		NA		NA		3830		NA		NA		3350		NA		3770		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		0.849		NA		NA		0.97		NA		NA		1.0		NA		1.11		NA
	TDS (mg/L)	5805		NA		NA		5600		NA		NA		5790		NA		NA		5460		NA		5370		NA
	Selenium (ug/L)	89		NA		NA		92.1		NA		NA		104		NA		NA		129		NA		88.5		NA
MW-05 (Class III)	Uranium (ug/L)	7.5	NS	NA	NS	NA	2/12/2014	22.0	NS	NA	NS	NA	6/4/2014	2.42	NS	NA	NS	NA	9/11/2014	0.90	NS	NA	11/12/2014	36.20	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	NS	NA	2/12/2014	23.7	NS	NA	NS	NA	6/4/2014	17.20	NS	NA	NS	NA	9/16/2014	NA	NS	NA	11/11/2014	33.30	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.13		NA		NA		7.10		NA		NA		6.47		NA		6.25		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	2/25/2014	110	NS	NA	NS	NA	6/4/2014	105	NS	NA	NS	NA	9/2/2014	273	NS	NA	11/12/2014	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		6.51		NA		NA		6.91		NA		NA		6.38		NA		6.41		NA

			Q1 2014 Results						Q2 2014 Results						Q3 2014 Results						Q4 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	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q3 2014 Sample Date	Q3 2014 Result	October 2014 Monthly Sample Date	October 2014 Monthly Result	Q4 2014 Sample Date	Q4 2014 Result	December 2014 Monthly Sample Date	December 2014 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	NS	NA	2/19/2014	2.77	NS	NA	NS	NA	5/27/2014	2.42	NS	NA	NS	NA	9/9/2014	2.7	NS	NA	11/10/2014	2.88	NS	NA
	Sulfate (mg/L)	1938.9		NA		NA		1650		NA		NA		2020		NA		NA		1760		NA		1810		NA
	Field pH (S.U.)	6.25-8.5		NA		NA		6.16		NA		NA		7.04		NA		NA		6.40		NA		6.10		NA
	TDS (mg/L)	3198.77		NA		NA		3080		NA		NA		3260		NA		NA		3180		NA		2960		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	NS	NA	2/18/2014	6.29	NS	NA	NS	NA	5/27/2014	7.38	NS	NA	NS	NA	9/11/2014	6.46	NS	NA	11/11/2014	6.33	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NA		3.82		NA		NA		3.68		NA		NA		0.4		NA		2.91		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.52	NS	NA	NS	NA	6/11/2014	6.67	NS	NA	NS	NA	9/4/2014	6.56	NS	NA	11/19/2014	6.69	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	NS	NA	3/6/2014	5.92	NS	NA	NS	NA	5/30/2014	2.91	NS	NA	NS	NA	9/17/2014	1.5	NS	NA	11/19/2014	1.17	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		0.234		NA		NA		0.337		NA		NA		0.4		NA		0.109		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		NA		2450		NA		NA		NA		NA		3120		NA
	Thallium (ug/L)	1		NA		NA		1.85		NA		NA		1.23		NA		NA		0.6		NA		0.821		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		5.89		NA		NA		6.07		NA		NA		5.09		NA		5.69		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	NS	NA	2/25/2014	7.98	NS	NA	NS	NA	5/28/2014	7.35	NS	NA	NS	NA	9/8/2014	6.30	NS	NA	11/5/2014	7.70	NS	NA
	Chloride (mg/L)	38		NA		NA		47.0		NA		NA		45.9		NA		NA		46.0		NA		42.6		NA
	Sulfate (mg/L)	462		NA		NA		411		NA		NA		484		NA		NA		414		NA		419		NA
	TDS (mg/L)	1075		NA		NA		1040		NA		NA		1040		NA		NA		1020		NA		1090		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		NA		1.08		NA		NA		2.33		NA		NA		1.16		NA		<1.0		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	NS	NA	2/26/2014	113	NS	NA	NS	NA	6/18/2014	114	NS	NA	NS	NA	9/16/2014	112	NS	NA	11/5/2014	117	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		NA		5.41		NA		NA		4.7		NA		4.15		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		NA		61.3		NA		NA		10.6		NA		21.2		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		NA		109		NA		NA		18.5		NA		29.3		NA
	Field pH (S.U.)	6.1 - 8.5		NA		NA		6.01		NA		NA		6.78		NA		NA		5.79		NA		5.72		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	NS	NA	2/25/2014	4500	NS	NA	NS	NA	6/3/2014	4200	NS	NA	NS	NA	9/10/2014	4280	NS	NA	11/10/2014	4210	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		NA		2510		NA		NA		NA		NA		2760		NA
	Field pH (S.U.)	6.46 - 8.5		NA		NA		6.78		NA		NA		7.98		NA		NA		6.10		NA		6.11		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	NS	NA	2/11/2014	1.94	NS	NA	NS	NA	5/23/2014	4.35	NS	NA	NS	NA	9/2/2014	3.69	NS	NA	11/5/2014	2.56	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		NA		35.6		NA		NA	8/26/2014	34		NA		33.3		NA
	Field pH (S.U.)	6.4 - 8.5		NA		NA		6.15		NA		NA		6.64		NA		NA	9/2/2014	6.17		NA		6.08		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.

Reported from the quarterly chloroform sample

Table 3 – GWCL Exceedances for Third Quarter 2015 under the August 24, 2012 GWDP

			Q1 2015 Results						Q2 2015 Results						Q3 2015 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2015 Monthly Sample Date	January 2015 Monthly Result	Q1 2015 Sample Date	Q1 2015 Result	March 2015 Monthly Sample Date	March 2015 Monthly Result	Q2 2015 Sample Date	Q2 2015 Result	May 2015 Monthly Sample Date	May 2015 Monthly Result	June 2015 Monthly Sample Date	June 2015 Monthly Result	July 2015 Monthly Sample Date	July 2015 Monthly Result	Q3 2015 Sample Date	Q3 2015 Result	September 2015 Monthly Sample Date	September 2015 Monthly Result	Sample Frequency
Required Quarterly Sampling Wells																					
MW-11 (Class II)	Manganese (ug/L)	131.29	1/21/2015	177	2/3/2015	138	3/3/2015	149	4/8/2015	170	5/11/2015	123	6/23/2015	149	7/7/2015	178	8/10/2015	138	9/16/2015	160	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/21/2015	6.49	2/3/2015	6.44	3/5/2015	6.05	4/8/2015	6.55	5/11/2015	6.30	6/1/2015	6.65	7/7/2015	6.57	8/11/2015	6.37	9/16/2015	6.51	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/20/2015	6.19	2/4/2015	6.46	3/4/2015	6.32	4/7/2015	6.52	5/11/2015	6.46	6/1/2015 6/23/2015	6.59, 6.53	7/6/2015	6.70	8/10/2015	6.47	9/15/2015	6.58	Quarterly
	Chloride (mg/L)	35		NA		30.5		NA		31.1		NA	NS	NA		NA		36.8		NA	Quarterly
	Cadmium (ug/L)	1.5		1.44		1.33		1.37		1.27		1.38	6/23/2015	1.42		1.43		1.41		1.31	Quarterly
	Uranium (ug/L)	6.5		6.54		6.81		6.43		5.86		6.38		5.88		6.25		6.39		6.20	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/21/2015	0.30	2/11/2015	2.68	3/4/2015	0.965	4/9/2015	0.845	5/12/2015	0.606	6/24/2015	0.588	7/7/2015	1.15	8/10/2015 8/17/2015	1.75	9/16/2015	0.795	Quarterly
	Uranium (ug/L)	41.8		2.96		78.1		72.6		75.7		63.3		67.4		72.1		61.9		56.0	Quarterly
	Chloroform (ug/L)	70		3570		1190		1020		1520		1160		2610		2560		1240		2150	Quarterly
	Chloride (mg/L)	58.31		59.9		77.2		67.2		61.0		61.4		60.8		67.4		88.3		74.5	Quarterly
	Field pH (S.U.)	6.74 - 8.5		6.25		6.20		6.23		6.60		6.46	6/3/2015 6/24/2015	6.58, 6.20		6.87		6.54 6.81		6.48	Quarterly
	Dichloromethane (Methylene Chloride) (ug/L)	5		6.42		5.89		6.95		3.99		4.44	6/24/2015	9.38		11.4		2.17		<1.0	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/21/2015	19.5	2/4/2015	14.9	3/3/2015	17.3	4/8/2015	17	5/12/2015	16.1	6/24/2015	15.8	7/7/2015	15.3	8/11/2015	17.9	9/15/2015	17.3	Quarterly
	Chloride (mg/L)	128		144		136		132		142		145		142		145		165		165	Quarterly
	Uranium (ug/L)	8.32		8.06		8.23		8.35		7.45		8.38		7.46		7.98		8.16		7.72	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.41		6.59		6.32		6.67		6.76	6/2/2015 6/24/2015	6.94, 6.32		6.85		6.73		6.65	Quarterly
	Ammonia (mg/L)	0.14		NS		<0.05		<0.05		0.0960		0.0824	6/24/2015	0.0997		0.0692		<0.05		<0.05	Quarterly
	Selenium (ug/L)	34		37.2		40.9		38.0		37.3		35.7		37.2		39.2		41.6		39.1	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/20/2015	20.9	2/2/2015	18.7	3/3/2015	19.8	4/7/2015	19.0	5/11/2015	18.4	6/23/2015	18.0	7/6/2015	18.8	8/10/2015	19.9	9/15/2015	18.9	Quarterly
	TDS (mg/L)	1320		1540		1520		1530		1680		1700		1630		1440		1530		1480	Quarterly
	Chloride (mg/L)	143		226		211		209		211		225		228		222		264		231	Quarterly
	Selenium (ug/L)	71		75.6		79.2		76.2		75.7		71.6		74.4		78.2		82.2		79.0	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.49		6.42		6.40		6.80		6.74	6/1/2015 6/23/2015	7.14, 7.08		7.22		6.80		6.73	Quarterly
	Sulfate (mg/L)	532		669		623		616		642		668	6/23/2015	691		684		640		638	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/20/2015	228	2/5/2015	223	3/4/2015	190	4/9/2015	237	5/12/2015	207.0	6/23/2015	214	7/7/2015	185	8/10/2015	198	9/15/15 9/22/15 9/28/15	201, 176	Quarterly
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5, <0.5	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.86		5.61		3.81		4.25		4.47	6/2/2015	4.01		4.93		3.24		4.81, 6.13	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.22		6.53		6.26		6.64		6.46	6/2/2015 6/23/2015	6.50, 6.41		6.56		6.40		6.52, 6.41, 6.49	Quarterly
	Selenium (ug/L)	12.5		8.21		14.2		26.6		<5.0		9.11	6/23/2015	13.6		26.1		12.5		16.7, 28.5	Quarterly
	Uranium (ug/L)	7.5		21.8		20.6		24.4		20.2		22.5		20.7		22.0		22.1		21.3, 22.3	Quarterly
Required Semi-Annual Sampling Wells																					
MW-01 (Class II)	Tetrahydrofuran (ug/L)	11.5	NS	NA	2/10/2015	1.63	NS	NA	4/15/2015	<1.0	NS	NA	NS	NA	NS	NA	7/27/2015	2.71	NS	NA	Semi-Annually
	Chloride (mg/L)	22.1		NA		NA		NA		23.9		NA		NA		NA		NA		NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		6.66		NA		7.15		NA		NA		NA		7.12		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		813		NA		892		NA		NA		NA		876		NA	Semi-Annually
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/11/2015	61.1	NS	NA	4/23/2015 5/20/2015	81, 61.7	NS	NA	NS	NA	NS	NA	7/28/2015	68.3	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.12		NA	4/23/2015 4/29/2015 5/20/2015	6.18, 6.51, 6.23		NA		NA		NA		6.16		NA	Semi-Annually
	Beryllium (ug/L)	2		NA		NA		NA	4/23/2015 5/20/2015	1.44, 2.08		NA		NA		NA		NA		NA	Semi-Annually
	Cadmium (ug/L)	4.67		NA		NA		NA		5.03, 14.2		NA		NA		NA		NA		NA	Semi-Annually
	Zinc (ug/L)	173.19		NA		NA		NA		238, 373		NA		NA		NA		NA		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		3260		NA	4/23/2015	3700		NA		NA		NA		3670		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.638		NA		0.642		NA		NA		NA		0.406		NA	Semi-Annually
	Fluoride (mg/L)	0.68		NA		1.08		NA		1.00		NA		NA		NA		1.58		NA	Semi-Annually
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/12/2015	6.15	NS	NA	4/23/2015 4/29/2015	6.59, 6.24	NS	NA	NS	NA	NS	NA	7/29/2015	6.34	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		3450		NA	4/23/2015	3720		NA		NA		NA		3860		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.05		NA		1.1		NA		NA		NA		0.435		NA	Semi-Annually
	TDS (mg/L)	5805		NA		5470		NA		5410		NA		NA		NA		5660		NA	Semi-Annually
	Selenium (ug/L)	89		NA		94.1		NA		101		NA		NA		NA		85.9		NA	Semi-Annually
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/10/2015	2.94	NS	NA	4/21/2015	1.3	NS	NA	NS	NA	NS	NA	7/21/2015	0.887	NS	NA	Semi-Annually
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/9/2015	30.0	NS	NA	4/21/2015	29.4	NS	NA	NS	NA	NS	NA	7/21/2015	24.6	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.33		NA	4/21/2015 4/28/2015	6.50, 6.70		NA		NA		NA		6.70		NA	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2015	125	NS	NA	4/13/2015	137	NS	NA	NS	NA	NS	NA	7/22/2015	104	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		6.50		NA		6.82		NA		NA		NA		6.61		NA	Semi-Annually

			Q1 2015 Results						Q2 2015 Results						Q3 2015 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2015 Monthly Sample Date	January 2015 Monthly Result	Q1 2015 Sample Date	Q1 2015 Result	March 2015 Monthly Sample Date	March 2015 Monthly Result	Q2 2015 Sample Date	Q2 2015 Result	May 2015 Monthly Sample Date	May 2015 Monthly Result	June 2015 Monthly Sample Date	June 2015 Monthly Result	July 2015 Monthly Sample Date	July 2015 Monthly Result	Q3 2015 Sample Date	Q3 2015 Result	September 2015 Monthly Sample Date	September 2015 Monthly Result	Sample Frequency
Required Semi-Annual Sampling Wells, continued																					
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/3/2015	2.89	NS	NA	4/15/2015	2.81	NS	NA	NS	NA	NS	NA	7/27/2015	2.69	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1810		NA		1790		NA		NA		NA		1990		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.40		NA		NA		NA		6.43		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		3240		NA		3350		NA		NA		NA		3190		NA	Semi-Annually
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/2/2015	6.45	NS	NA	4/14/2015	6.79	NS	NA	NS	NA	NS	NA	7/27/2015	6.78	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.91		NA		3.58		NA		NA		NA		2.82		NA	Semi-Annually
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/10/2015	6.53	NS	NA	4/30/2015	6.80	NS	NA	NS	NA	NS	NA	7/22/2015	6.53	NS	NA	Semi-Annually
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/12/2015	3.31	NS	NA		1.79	NS	NA	NS	NA	NS	NA	7/29/2015	1.88	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.397		NA		0.293		NA		NA		NA		0.388		NA	Semi-Annually
	Sulfate (mg/L)	2903		NA		2620		NA		2840		NA		NA		NA		2880		NA	Semi-Annually
	Thallium (ug/L)	1		NA		1.27		NA		0.796		NA		NA		NA		0.85		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.21		NA	5/28/2015 6/24/2015	5.39, 5.98		NA		NA		NA		5.49		NA	Semi-Annually
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/9/2015	3.15	NS	NA	4/20/2015	6.27	NS	NA	NS	NA	NS	NA	7/21/2015	7.35	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		44.2		NA		47.6		NA		NA		NA		43.7		NA	Semi-Annually
	Sulfate (mg/L)	462		NA		402		NA		429		NA		NA		NA		425		NA	Semi-Annually
	TDS (mg/L)	1075		NA		996		NA		1040		NA		NA		NA		1010		NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		<1.0		NA		NA		NA		<1.0		NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/9/2015	130	NS	NA	4/21/2015	125	NS	NA	NS	NA	NS	NA	7/21/2015	113	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		4.83		NA		4.59		NA		NA		NA		4.97		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		4.48		NA		6.13		NA		NA		NA		4.87		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		<15.0		NA		<15.0		NA		NA		NA		<15.0		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		5.86		NA	4/21/2015 4/27/2015	6.08, 6.17		NA		NA		NA		5.91		NA	Semi-Annually
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2015	4430	NS	NA	4/30/2015	4190	NS	NA	NS	NA	NS	NA	7/22/2015	4310	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		NA		NA		2960		NA		NA		NA		NA		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		6.42		NA		6.36		NA		NA		NA		6.30		NA	Semi-Annually
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/9/2015	2.19	NS	NA	4/8/2015	1.81	NS	NA	NS	NA	NS	NA	7/23/2015	1.89	NS	NA	Semi-Annually
	Chloride (mg/L)	35.39		NA	3/17/2015	36.1		NA		37.8		NA		NA		NA		37.3		NA	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA	2/9/2015	6.29		NA		6.37		NA		NA		NA		6.26		NA	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.

Reported from the quarterly table for reample

Pursuant to the DRC letter of August 11, 2015, 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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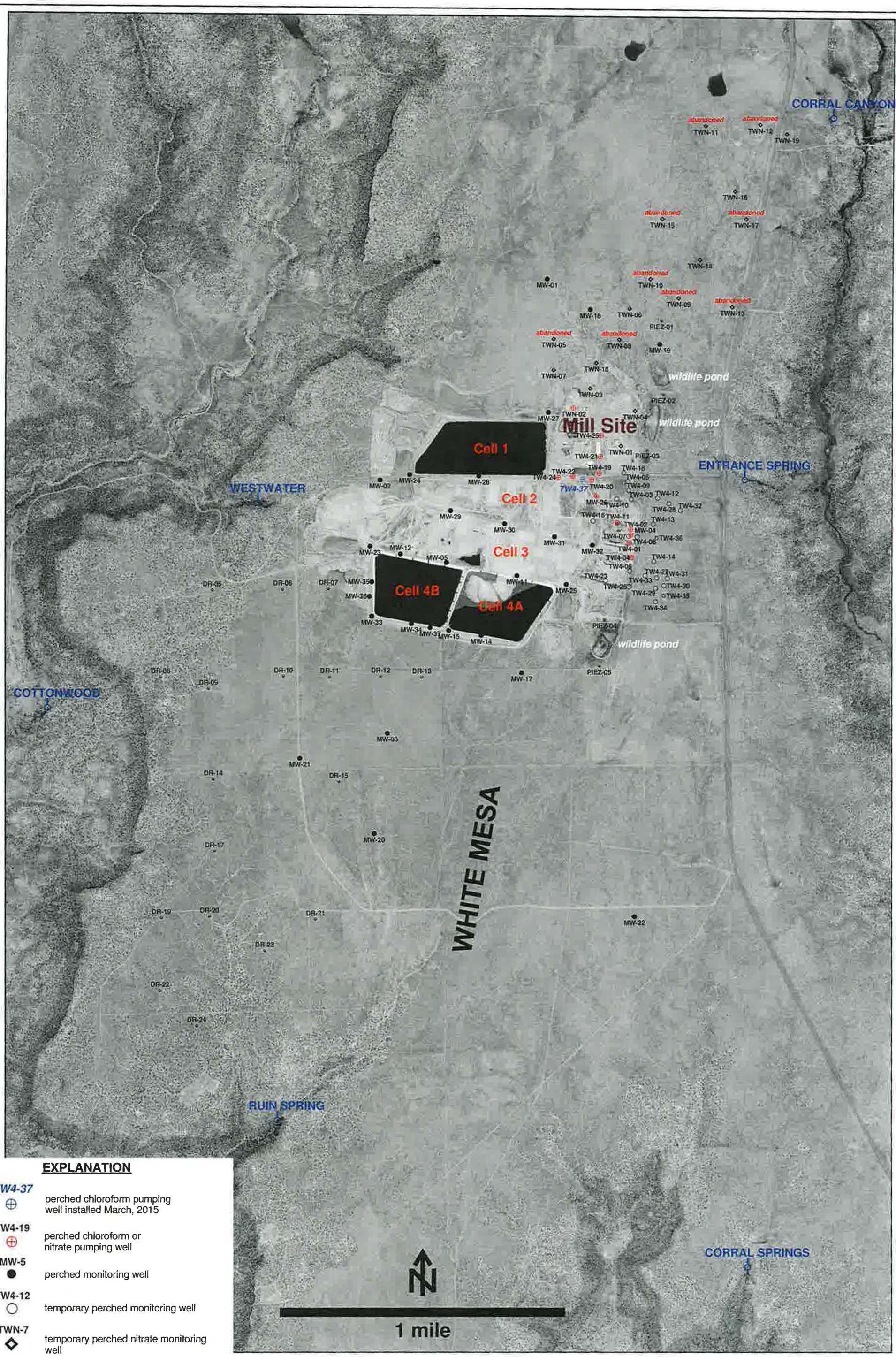
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

TW4-37	perched chloroform pumping well installed March, 2015
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
TW4-35	temporary perched monitoring well installed May, 2014
RUIN SPRING	seep or spring

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov15/Uwelloc0915.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling

ENERGY FUELS

See instruction

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

Description of Sampling Event: Quarterly Ground Water 3rd Quarter

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-01_07272015

Date and Time for Purging: 7/27/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 118.00

Depth to Water Before Purging: 64.10

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.78 (.367h)

Weather Cond.: Partly Cloudy and Windy

Ext'l Amb. Temp. °C (prior sampling event): 27°

Time	1622	Gal. Purged	~~1622.~~ 39.49
Conductance	1961	pH	7.25
Temp. °C	15.97		
Redox Potential Eh (mV)	359		
Turbidity (NTU)	6.6		

Time	1623	Gal. Purged	~~1623.~~ 39.71
Conductance	1933	pH	7.17
Temp. °C	15.95		
Redox Potential Eh (mV)	352		
Turbidity (NTU)	6.6		

Time	1624	Gal. Purged	39.92
Conductance	1942	pH	7.14
Temp. °C	16.00		
Redox Potential Eh (mV)	348		
Turbidity (NTU)	6.7		

Time	~~1625.~~ 1625	Gal. Purged	40.14
Conductance	1931	pH	7.12
Temp. °C	15.98		
Redox Potential Eh (mV)	338		
Turbidity (NTU)	6.7		

Volume of Water Purged 40.14 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 182.31

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
~~TDS~~								
Sulfate								

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

Final Depth 97.10 Sample Time 1625

See instruction

Comment

Arrived on site at 1317. Tanner and Garrin present for purge and sampling event.
Purge began at 1320. Purged well for a total of 185 minutes.
Purge ended and samples collected at 1625. Water was clear
Left site at 1629

MW-01 07-27-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID MW-03_07282015

Date and Time for Purging 7/28/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging 82.60

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 5.28 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	0742	Gal. Purged	11.85
Conductance	5660	pH	6.15
Temp. °C	16.02		
Redox Potential Eh (mV)	427		
Turbidity (NTU)	0		

Time	0743	Gal. Purged	12.06
Conductance	5665	pH	6.16
Temp. °C	15.99		
Redox Potential Eh (mV)	427		
Turbidity (NTU)	0		

Time	0744	Gal. Purged	12.27
Conductance	5670	pH	6.16
Temp. °C	16.00		
Redox Potential Eh (mV)	427		
Turbidity (NTU)	0		

Time	0745	Gal. Purged	12.48
Conductance	5661	pH	6.16
Temp. °C	15.98		
Redox Potential Eh (mV)	426		
Turbidity (NTU)	0		

Volume of Water Purged 12.48 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 50.81

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Sulfate								
Fluoride								

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

Final Depth 87.75 Sample Time 0745

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 60 minutes.
Purge ended and samples collected at 0745. Water was clear
Left site at 0750

MW-03 07-28-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-03A_07292015

Date and Time for Purging 7/28/2015 and Sampling (if different) 7/29/2015

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-24

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging 84.60

Casing Volume (V) 4" Well: 6.79 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 18°

Time	0905	Gal. Purged	14.56
Conductance	5881	pH	6.27
Temp. °C	16.96		
Redox Potential Eh (mV)	392		
Turbidity (NTU)	0.4		

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

Time	0650	Gal. Purged	0
Conductance	5840	pH	6.30
Temp. °C	15.21		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0655	Gal. Purged	0
Conductance	5848	pH	6.34
Temp. °C	15.25		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 14.56 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 65.30

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 14.56

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Fluoride								
Sulfate								
TDS								

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

Final Depth 92.13 Sample Time 0650

See instruction

Comment

Arrived on site at 0750. Tanner and Garrin present for purge

Purge began at 0755. Purged well for a total of 70 minutes. Purged well dry.
Purge ended at 0905. water was clear. Left site at 0908
Arrived on site at 0645 Tanner and Garrin present to collect samples, Depth to water was 84.77
Samples collected at 0650 Left site at 0656

MW-03A 07-28-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_07212015

Date and Time for Purging: 7/21/2015 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-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 106.25

Casing Volume (V) 4" Well: 21.05 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1007	Gal. Purged	42.74
Conductance	2937	pH	6.74
Temp. °C	15.05		
Redox Potential Eh (mV)	584		
Turbidity (NTU)	5.4		

Time	1008	Gal. Purged	42.96
Conductance	2950	pH	6.92
Temp. °C	15.05		
Redox Potential Eh (mV)	576		
Turbidity (NTU)	5.5		

Time	1009	Gal. Purged	43.18
Conductance	2948	pH	6.95
Temp. °C	15.07		
Redox Potential Eh (mV)	569		
Turbidity (NTU)	5.6		

Time	1010	Gal. Purged	43.40
Conductance	2940	pH	6.97
Temp. °C	15.08		
Redox Potential Eh (mV)	566		
Turbidity (NTU)	5.6		

Volume of Water Purged 43.40 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 194.09

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 126.10 Sample Time 1010

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 200 minutes. Purge ended and samples collected at 1010. Water was clear
Left site at 1013

Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-11_08102015

Date and Time for Purging 8/10/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 86.25

Casing Volume (V) 4" Well: 28.56 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy, Windy

Ext'l Amb. Temp. °C (prior sampling event) 27°

Time	1542	Gal. Purged	57.93
Conductance	3068	pH	7.36
Temp. °C	14.97		
Redox Potential Eh (mV)	180		
Turbidity (NTU)	3.0		

Time	1543	Gal. Purged	58.15
Conductance	3059	pH	7.34
Temp. °C	14.98		
Redox Potential Eh (mV)	180		
Turbidity (NTU)	3.1		

Time	1544	Gal. Purged	58.37
Conductance	3059	pH	7.34
Temp. °C	14.99		
Redox Potential Eh (mV)	180		
Turbidity (NTU)	3.0		

Time	1545	Gal. Purged	58.59
Conductance	3066	pH	7.34
Temp. °C	15.00		
Redox Potential Eh (mV)	180		
Turbidity (NTU)	3.0		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 263.30

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 86.48 Sample Time 1545

See instruction

Comment

Arrived on site at 1112. Tanner and Garrin present for purge and sampling event.
Purge began at 1115. Purged well for a total of 270 minutes.
Purge ended and samples collected at 1545. Water was clear.
Left site at 1556

MW-11 08-10-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-12_07212015

Date and Time for Purging: 7/21/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging: 108.30

Casing Volume (V) 4" Well: 14.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 24°

Time	1247	Gal. Purged	28.64
Conductance	4338	pH	6.70
Temp. °C	17.38		
Redox Potential Eh (mV)	567		
Turbidity (NTU)	18.0		

Time	1248	Gal. Purged	28.86
Conductance	4389	pH	6.70
Temp. °C	17.42		
Redox Potential Eh (mV)	566		
Turbidity (NTU)	18.2		

Time	1249	Gal. Purged	29.07
Conductance	4421	pH	6.70
Temp. °C	17.46		
Redox Potential Eh (mV)	566		
Turbidity (NTU)	18.4		

Time	1250	Gal. Purged	29.29
Conductance	4442	pH	6.70
Temp. °C	17.47		
Redox Potential Eh (mV)	565		
Turbidity (NTU)	18.5		

Volume of Water Purged 29.29 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 133.00

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 125.11 Sample Time 1250

See instruction

Comment

Arrived on site at 1031. Tanner and Garrin present for purge and sampling event. Purge began at 1035. Purged well for a total of 135 minutes. Purge ended and samples collected at 1250. Water was mostly clear
Left site at 1255

MW-12 07-21-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_08112015

Date and Time for Purging: 8/11/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.30

Casing Volume (V) 4" Well: 16.58 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

Time	0957	Gal. Purged	35.15
Conductance	4100	pH	6.35
Temp. °C	14.79		
Redox Potential Eh (mV)	358		
Turbidity (NTU)	0		

Time	0958	Gal. Purged	35.37
Conductance	4107	pH	6.36
Temp. °C	14.83		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	0		

Time	0959	Gal. Purged	35.58
Conductance	4105	pH	6.37
Temp. °C	14.79		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	0		

Time	1000	Gal. Purged	35.80
Conductance	4101	pH	6.37
Temp. °C	14.77		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	0		

Volume of Water Purged 35,80 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 152.86

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 103.75 Sample Time 1000

See instruction

Comment

Arrived on site at 0711. Tanner present for purge and sampling event.
Purge began at 0715. Purged well for a total of 165 minutes.
Purge ended and samples collected at 1000. Water was clear
Left site at 1011

MW-14 08-11-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-15_07222015

Date and Time for Purging 7/22/2015 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-36

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging 106.10

Casing Volume (V) 4" Well: 20.17 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 13°

Time	1007	Gal. Purged	42.74
Conductance	3958	pH	6.61
Temp. °C	15.20		
Redox Potential Eh (mV)	433		
Turbidity (NTU)	3.5		

Time	1008	Gal. Purged	42.96
Conductance	3960	pH	6.61
Temp. °C	15.21		
Redox Potential Eh (mV)	433		
Turbidity (NTU)	3.6		

Time	1009	Gal. Purged	43.18
Conductance	3984	pH	6.61
Temp. °C	15.22		
Redox Potential Eh (mV)	432		
Turbidity (NTU)	3.6		

Time	1010	Gal. Purged	43.40
Conductance	3991	pH	6.61
Temp. °C	15.22		
Redox Potential Eh (mV)	431		
Turbidity (NTU)	3.7		

Volume of Water Purged 43.40 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 185.96

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 108.98 Sample Time 1010

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 200 minutes.
Purge ended and samples collected at 1010. Water was clear
Left site at 1014

MW-15 07-22-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-18_07272015

Date and Time for Purging 7/27/2015 and Sampling (if different) N/A

Well Purging Equip Used: [X] pump or [ ] bailer

Well Pump (if other than Bennet) QED

Purging Method Used: [X] 2 casings [ ] 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-19

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging 71.65

Casing Volume (V) 4" Well: 40.71 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	1307	Gal. Purged	81.80
Conductance	3520	pH	6.48
Temp. °C	15.55		
Redox Potential Eh (mV)	409		
Turbidity (NTU)	4.6		

Time	1308	Gal. Purged	82.02
Conductance	3474	pH	6.44
Temp. °C	15.58		
Redox Potential Eh (mV)	408		
Turbidity (NTU)	4.7		

Time	1309	Gal. Purged	82.24
Conductance	3499	pH	6.43
Temp. °C	15.50		
Redox Potential Eh (mV)	406		
Turbidity (NTU)	4.7		

Time	1310	Gal. Purged	82.46
Conductance	3505	pH	6.43
Temp. °C	15.48		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	4.8		

Volume of Water Purged 82.46 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 375.24

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Sulfate								
TDS								

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

Final Depth 72.38 Sample Time 1310

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 380 minutes.
Purge ended and samples collected at 1310. Water was clear
Left site at 1315

MW-18 07-27-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID MW-19_07272015

Date and Time for Purging 7/27/2015 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-32

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging 60.85

Casing Volume (V) 4" Well: 57.56 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	1527	Gal. Purged	116.52
Conductance	1438	pH	6.95
Temp. °C	16.00		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	9.9		

Time	1528	Gal. Purged	116.74
Conductance	1466	pH	6.85
Temp. °C	15.95		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	8.6		

Time	1529	Gal. Purged	116.96
Conductance	1467	pH	6.80
Temp. °C	16.00		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	8.7		

Time	1530	Gal. Purged	117.18
Conductance	1465	pH	6.78
Temp. °C	15.98		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	8.9		

Volume of Water Purged 117.18 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 530.52

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☒	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 69.78 Sample Time 1530

See instruction

Comment

Arrived on site at 0625 Tanner and Garrin present for purge and sampling event
Purge began at 0630. Purged well for a total of 540 minutes
Purge ended and sample collected at 1530. Water was mostly clear
Left site at 1533

MW-19 07-27-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-23_07222015

Date and Time for Purging 7/22/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging 114.10

Casing Volume (V) 4" Well: 11.68 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	1147	Gal. Purged	18.09
Conductance	3910	pH	6.55
Temp. °C	19.40		
Redox Potential Eh (mV)	428		
Turbidity (NTU)	7.6		

Time	1148	Gal. Purged	18.30
Conductance	3957	pH	6.54
Temp. °C	19.43		
Redox Potential Eh (mV)	427		
Turbidity (NTU)	7.5		

Time	1149	Gal. Purged	18.51
Conductance	3924	pH	6.54
Temp. °C	19.48		
Redox Potential Eh (mV)	427		
Turbidity (NTU)	7.5		

Time	~~13~~ 1150	Gal. Purged	18.72
Conductance	3940	pH	6.53
Temp. °C	19.54		
Redox Potential Eh (mV)	426		
Turbidity (NTU)	7.5		

Volume of Water Purged 24.96 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 112.39

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 24.96

Name of Certified Analytical Laboratory if Other Than Energy Labs N/A

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 129.01 Sample Time 1220

See instruction

Comment

Arrived on site at 1016. Tanner and Garrin present for purge
Purge began at 1020. Purged well for a total of 120 minutes. Purged well dry!
Purge ended at 1220. Water was ~~cleas~~ Clear. Took parameters
when I noticed flow rate decreasing. Left site at 1222

MW-23 07-22-2015 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-24_07292015

Date and Time for Purging 7/28/2015 and Sampling (if different) 7/29/2015

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-03

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 113.25

Casing Volume (V) 4" Well: 4.40 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	0805	Gal. Purged	9.6
Conductance	4433	pH	5.15
Temp. °C	16.56		
Redox Potential Eh (mV)	435		
Turbidity (NTU)	5.1		

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

Time	0735	Gal. Purged	0
Conductance	4378	pH	5.53
Temp. °C	16.34		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0739	Gal. Purged	0
Conductance	4395	pH	5.49
Temp. °C	16.27		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 9.6 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .192

Time to evacuate two casing volumes (2V)
T = 2V/Q = 45.91

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 9.6

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Fluoride								
Sulfate								

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

Final Depth 117.95 Sample Time 0635

See instruction

Comment

Arrived on site at 0712. Tanner and Garrin present for purge.
Purge began at 0715. Purged well for a total of 50 minutes. Flow rate decreased throughout the Purge until well ran dry. Purge ended at 0805. Water was clear. Left site at 0807
Arrived on site at 0630. Tanner and Garrin present to collect samples.
Depth to water was 113.33. Samples collected at 0635. Left site at 0640

MW-24 07-28-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-25_08102015

Date and Time for Purging 8/10/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging 76.18

Casing Volume (V) 4" Well: 25.34 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 15°

Time	1057	Gal. Purged	51.42
Conductance	3373	pH	6.40
Temp. °C	14.96		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	7.8		

Time	1058	Gal. Purged	51.64
Conductance	3366	pH	6.45
Temp. °C	14.98		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	8.0		

Time	1059	Gal. Purged	51.86
Conductance	3350	pH	6.45
Temp. °C	14.98		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	8.0		

Time	1100	Gal. Purged	52.08
Conductance	3361	pH	6.47
Temp. °C	14.95		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	8.2		

Volume of Water Purged 52.08 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 233.63

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 78.15 Sample Time 1100

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 240 minutes. Purge ended and samples collected at 1100. Water was mostly clear
~~Purge ended~~ Left site at 1110

MW-25 08-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_08102015

Date and Time for Purging 8/10/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 63.60

Casing Volume (V) 4" Well: 37.69 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 31°

Time	1504	Gal. Purged	0
Conductance	3654	pH	6.54
Temp. °C	16.75		
Redox Potential Eh (mV)	272		
Turbidity (NTU)	4.2		

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 [0] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [9.6]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [0 7.85] 7.85

Number of casing volumes evacuated (if other than two) [0]

If well evacuated to dryness, number of gallons evacuated [0]

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL GEL]

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth [113.12] Sample Time [1505]

See instruction

Comment

Arrived on site at 1502 Tanner and Garrin present to collect samples
Samples collected at 1505. Water was Clear. Left site at 1512

Continuous Pumping Well

MW-26 08-10-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015 Resample

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_08172015

Date and Time for Purging: 8/17/2015 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: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 67.35

Casing Volume (V) 4" Well: 35.24 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 19°

Time	0809	Gal. Purged	0
Conductance	3556	pH	6.81
Temp. °C	15.86		
Redox Potential Eh (mV)	378		
Turbidity (NTU)	5.9		

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 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 9.4

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.49

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 87.11 Sample Time 0810

See instruction

Comment

Arrived on site at 0806 Tanner present to collect sample.
Sample collected at 0810 Water was clear. Left site at 0815

Continuous Pumping well

MW-26 08-17-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-27_07212015

Date and Time for Purging: 7/21/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 53.83

Casing Volume (V) 4" Well: 26.88 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy

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

Time	1042	Gal. Purged	53.59
Conductance	1468	pH	6.74
Temp. °C	15.17		
Redox Potential Eh (mV)	592		
Turbidity (NTU)	4.5		

Time	1043	Gal. Purged	53.81
Conductance	1459	pH	6.82
Temp. °C	15.16		
Redox Potential Eh (mV)	590		
Turbidity (NTU)	4.6		

Time	1044	Gal. Purged	54.03
Conductance	1463	pH	6.84
Temp. °C	15.19		
Redox Potential Eh (mV)	589		
Turbidity (NTU)	4.7		

Time	1045	Gal. Purged	54.25
Conductance	1459	pH	6.84
Temp. °C	15.19		
Redox Potential Eh (mV)	587		
Turbidity (NTU)	4.7		

Volume of Water Purged 54.25 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 247.77

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
Sulfate								
Chloride								
TDS								

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

Final Depth 55.35 Sample Time 1045

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 250 minutes
Purge ended and samples collected at 1045. Water was clear
Left site at 1053

MW-27 07-21-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-28_07212015

Date and Time for Purging: 7/21/2015 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-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.41

Casing Volume (V) 4" Well: 22.58 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 24°

Time	1442	Gal. Purged	44.91
Conductance	~~4388~~ 3876	pH	~~6.70~~ 5.90
Temp. °C	~~17.38~~ 16.05		
Redox Potential Eh (mV)	~~567~~ 593		
Turbidity (NTU)	~~18.0~~ 5.9		

Time	1443	Gal. Purged	45.13
Conductance	3890	pH	5.92
Temp. °C	16.03		
Redox Potential Eh (mV)	593		
Turbidity (NTU)	6.0		

Time	1444	Gal. Purged	45.35
Conductance	3897	pH	5.91
Temp. °C	16.02		
Redox Potential Eh (mV)	589		
Turbidity (NTU)	6.0		

Time	1445	Gal. Purged	45.57
Conductance	~~4442~~ 3889	pH	~~6.70~~ 5.91
Temp. °C	~~17.97~~ 16.03		
Redox Potential Eh (mV)	~~565~~ 588		
Turbidity (NTU)	~~18.5~~ 6.1		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 208.17

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth 78.29 Sample Time 1445

See instruction

Comment

Arrived on site at 1111. Tanner and Garrin present for purge and sampling event. Purge began at 1115. Purged well for a total of 210 minutes. Purge ended and samples collected at 1445 Water was clear. Left site at 1450

MW-28 07-21-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-29_07222015

Date and Time for Purging: 7/22/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 100.91

Casing Volume (V) 4" Well: 17.03 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 13°

Time	0957	Gal. Purged	38.40
Conductance	4615	pH	6.33
Temp. °C	14.80		
Redox Potential Eh (mV)	448		
Turbidity (NTU)	18.0		

Time	0958	Gal. Purged	38.62
Conductance	4593	pH	6.31
Temp. °C	14.82		
Redox Potential Eh (mV)	433		
Turbidity (NTU)	20		

Time	0959	Gal. Purged	38.84
Conductance	4591	pH	~~4593~~, 6.30
Temp. °C	14.82		
Redox Potential Eh (mV)	418		
Turbidity (NTU)	20.5		

Time	1000	Gal. Purged	39.06
Conductance	4591	pH	6.30
Temp. °C	14.82		
Redox Potential Eh (mV)	411		
Turbidity (NTU)	21		

Volume of Water Purged 39.06 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 157.02

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
TDS								

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

Final Depth 103.55 Sample Time 1000

See instruction

Comment

Arrived on site at 0656. Tanner and Garrin present for purge and sampling event.
Purge began at 0700. Purged well for a total of ~~1000~~ 180 minutes.
Purge ended and samples collected at 1000. Water was mostly clear
Left site at 1002

MW-29 07-22-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-30_08112015

Date and Time for Purging 8/11/2015 and Sampling (if different) NA

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 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.60

Casing Volume (V) 4" Well: 22.46 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 18°

Time	1102	Gal. Purged	44.91
Conductance	2174	pH	6.70
Temp. °C	14.73		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	1.4		

Time	1103	Gal. Purged	45.13
Conductance	2172	pH	6.72
Temp. °C	14.75		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	1.5		

Time	1104	Gal. Purged	45.35
Conductance	2178	pH	6.72
Temp. °C	14.75		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	1.5		

Time	1105	Gal. Purged	45.57
Conductance	2174	pH	6.73
Temp. °C	14.73		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	1.5		

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Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 207.03

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 78.20 Sample Time 1105

See instruction

Comment

Arrived on site at 0731. Tanner present for purge and sampling event.
Purge began at 0735. Purged well for a total of 210 minutes.
Purge ended and samples collected at 1105. Water was clear
Left site at 1117

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-31_08102015

Date and Time for Purging 8/10/2015 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-24

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 68.53

Casing Volume (V) 4" Well: 40.13 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 15°

Time	1257	Gal. Purged	81.80
Conductance	2315	pH	6.73
Temp. °C	15.26		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	2.2		

Time	1258	Gal. Purged	82.02
Conductance	2320	pH	~~6.76~~ 6.76
Temp. °C	15.26		
Redox Potential Eh (mV)	447		
Turbidity (NTU)	2.4		

Time	1259	Gal. Purged	82.24
Conductance	+ 2325 2325	pH	6.78
Temp. °C	15.25		
Redox Potential Eh (mV)	442		
Turbidity (NTU)	2.4		

Time	1300	Gal. Purged	82.46
Conductance	2329	pH	6.80
Temp. °C	15.25		
Redox Potential Eh (mV)	438		
Turbidity (NTU)	2.5		

Volume of Water Purged 82.46 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 369.95

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 72.03 Sample Time 1300

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 380 minutes
Purge ended and samples collected at 1300. water was clear
Left site at 1310

MW-31 08-10-2015 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID .1W-32_07232015

Date and Time for Purging 7/23/2015 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-23

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging 76.95

Casing Volume (V) 4" Well: 36.27 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 15°

Time	1212	Gal. Purged	77.46
Conductance	2361	pH	6.26
Temp. °C	15.26		
Redox Potential Eh (mV)	274		
Turbidity (NTU)	4.9		

Time	1213	Gal. Purged	77.68
Conductance	2348	pH	6.26
Temp. °C	15.29		
Redox Potential Eh (mV)	272		
Turbidity (NTU)	4.8		

Time	1214	Gal. Purged	77.90
Conductance	2371	pH	6.25
Temp. °C	15.30		
Redox Potential Eh (mV)	268		
Turbidity (NTU)	4.9		

Time	1215	Gal. Purged	78.12
Conductance	2365	pH	6.26
Temp. °C	15.29		
Redox Potential Eh (mV)	265		
Turbidity (NTU)	4.9		

Volume of Water Purged 78.12 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 334.32

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth 83.10 Sample Time 1215

See instruction

Comment

Arrived on site at 0611 Tanner and Garrin present for purge and sampling event.
Purge began at 0615. Purged well for a total of 360 minutes
Purge ended and samples collected at 1215. Water was clear
Left site at 1221

MW-32 07-23-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd ~~Quarterly~~ Quarter Ground Water 2015

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_08102015

Date and Time for Purging: 8/10/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.35

Casing Volume (V) 4" Well: 7.93 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy, Windy

Ext'l Amb. Temp. °C (prior sampling event): 31°

Time	1437	Gal. Purged	16.70
Conductance	4401	pH	6.24
Temp. °C	15.47		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	4.1		

Time	1438	Gal. Purged	16.92
Conductance	4426	pH	6.35
Temp. °C	15.24		
Redox Potential Eh (mV)	444		
Turbidity (NTU)	4.0		

Time	1439	Gal. Purged	17.14
Conductance	4380	pH	6.36
Temp. °C	15.14		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	4.0		

Time	1440	Gal. Purged	17.36
Conductance	4387	pH	6.40
Temp. °C	15.16		
Redox Potential Eh (mV)	436		
Turbidity (NTU)	4.1		

Volume of Water Purged 17.36 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.12

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 113.11 Sample Time 1440

See instruction

Comment

Arrived on site at 1316. Tanner and Garrin present for purge and sampling event. Purge began at 1320. Purged well for a total of 80 minutes. Purged well ~~for a tot~~ ended and samples collected at 1440. Water was clear. Left site at 1454

MW-35 08-10-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): ~~MW-02.~~ MW-36

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID ~~MW-02-07212015.~~ MW-36_07212015

Date and Time for Purging 7/21/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.40

Casing Volume (V) 4" Well: 7.31 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 27°

Time	1507	Gal. Purged	14.53
Conductance	4828	pH	6.52
Temp. °C	15.20		
Redox Potential Eh (mV)	538		
Turbidity (NTU)	5.7		

Time	1508	Gal. Purged	14.75
Conductance	4870	pH	6.49
Temp. °C	15.13		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	5.7		

Time	1509	Gal. Purged	14.97
Conductance	4860	pH	6.49
Temp. °C	15.20		
Redox Potential Eh (mV)	521		
Turbidity (NTU)	5.8		

Time	1510	Gal. Purged	15.19
Conductance	4861	pH	6.48
Temp. °C	~~15.19~~ 15.19		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	5.8		

Volume of Water Purged 15.19 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 67.40

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 111.49 Sample Time 1510

See instruction

Comment

Arrived on site at 1356. Tanner and Garrin present for purge and sampling event. Purge began at 1400. Purged well for a total of 70 minutes. Purge ended and samples collected at 1510. Water was clear. Left site at 1520

MW-36 07-21-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-37-08112015

Date and Time for Purging: 7/28/2015 and Sampling (if different): 8/11/2015

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-03A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 107.70

Casing Volume (V) 4" Well: 9.20 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 28°

Time	1239	Gal. Purged	5
Conductance	4360	pH	6.65
Temp. °C	15.40		
Redox Potential Eh (mV)	477		
Turbidity (NTU)	18.4		

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

Time	0829 0929	Gal. Purged	0
Conductance	4609	pH	6.74
Temp. °C	15.65		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0840 0940	Gal. Purged	0
Conductance	4625	pH	6.72
Temp. °C	15.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 14.0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two) 1.52

If well evacuated to dryness, number of gallons evacuated 14.0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 121.25 Sample Time 0930

See instruction

Comment

Arrived on site at 1230. Tanner and Garrin present to bail MW-37. Bailing began at 1232. Bailed 5 Gallons into a bucket and took a set of parameters. Bailed a total of 14 Gallons. Bailed well dry! Left site at 1254
Arrived on site at 0915. Tanner present to collect samples. Depth to water was 115.21
Samples bailed at 0930.

MW-37 07-28-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_07282015

Date and Time for Purging: 7/28/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging: 82.60

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 5.28 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 17°

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 12.48 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 50.81

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Sulfate								
Fluoride								

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

Final Depth 87.73 Sample Time 0745

See instruction

Comment

Duplicate of MW-03

MW-65 07-28-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2015

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-70_08102015

Date and Time for Purging 8/10/2015 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 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.35

Casing Volume (V) 4" Well: 7.93 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy, Windy

Ext'l Amb. Temp. °C (prior sampling event) 31°

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 17.36 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.12

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth 113.11 Sample Time 1440

See instruction

Comment

Duplicate of MW-35

MW-70 08-10-2015 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

July 2015

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

See instruction

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_07072015

Date and Time for Purging: 7/7/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 86.21

Casing Volume (V) 4" Well: 28.59 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 19°

Time	1107	Gal. Purged	57.93
Conductance	2948	pH	7.60
Temp. °C	15.14		
Redox Potential Eh (mV)	372		
Turbidity (NTU)	0		

Time	1108	Gal. Purged	58.15
Conductance	2938	pH	7.53
Temp. °C	15.13		
Redox Potential Eh (mV)	368		
Turbidity (NTU)	0		

Time	1109	Gal. Purged	58.37
Conductance	2960	pH	7.52
Temp. °C	15.13		
Redox Potential Eh (mV)	358		
Turbidity (NTU)	0		

Time	1110	Gal. Purged	58.59
Conductance	2951	pH	7.50
Temp. °C	15.15		
Redox Potential Eh (mV)	348		
Turbidity (NTU)	0		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 263.54

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☑	☐	250 ml	☒	☐	HNO3	☑	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 86.42 Sample Time 1110

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 270 minutes
Water was clear. Purge ended and sample collected at 1110
Left site at 1113

MW-11 07-07-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_07072015

Date and Time for Purging: 7/7/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.25

Casing Volume (V) 4" Well: 16.61 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 24°

Time	1247	Gal. Purged	32.98
Conductance	3780	pH	6.64
Temp. °C	16.65		
Redox Potential Eh (mV)	404		
Turbidity (NTU)	0		

Time	1248	Gal. Purged	33.20
Conductance	3791	pH	6.60
Temp. °C	16.64		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	0		

Time	1249	Gal. Purged	33.41
Conductance	3770	pH	6.59
Temp. °C	16.59		
Redox Potential Eh (mV)	400		
Turbidity (NTU)	0		

Time	1250	Gal. Purged	33.63
Conductance	3785	pH	6.57
Temp. °C	16.55		
Redox Potential Eh (mV)	397		
Turbidity (NTU)	0		

Volume of Water Purged 33.63 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.16

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs N/A

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 104.60 Sample Time N/A

See instruction

Comment

Arrived on site at 1011. Tanner and Garrin present for purge. Purge began at 1015, Purged well for a total of 155 minutes. Purge ended at 1250 Water was clear. Left site at 1252.

MW-14 07-07-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: July Monthly Ground Water 2015

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_07062015

Date and Time for Purging: 7/6/2015 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: July Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 76.05

Casing Volume (V) 4" Well: 25.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 21°

Time	1402	Gal. Purged	51.42
Conductance	3167	pH	6.78
Temp. °C	15.00		
Redox Potential Eh (mV)	395		
Turbidity (NTU)	3.5		

Time	1403	Gal. Purged	51.64
Conductance	3163	pH	6.73
Temp. °C	14.98		
Redox Potential Eh (mV)	390		
Turbidity (NTU)	3.3		

Time	1404	Gal. Purged	51.86
Conductance	3163	pH	6.71
Temp. °C	14.95		
Redox Potential Eh (mV)	388		
Turbidity (NTU)	3.4		

Time	1405	Gal. Purged	52.08
Conductance	3164	pH	6.70
Temp. °C	14.96		
Redox Potential Eh (mV)	386		
Turbidity (NTU)	3.5		

Volume of Water Purged 52.08 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 234.41

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 77.95 Sample Time 1405

See instruction

Comment

Arrived on site at 1000. Tanner and Garrin present for purge and sampling event.
Purge began at 1005. Purged well for a total of 240 minutes
Purge ended and samples collected at 1405. Water was Clear.
Left site at 1408

MW-25 07-06-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-26-0 MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_07072015

Date and Time for Purging: 7/7/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos Continuous

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 63.40

Casing Volume (V) 4" Well: 37.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 27°

Time	1449	Gal. Purged	0
Conductance	3550	pH	6.87
Temp. °C	16.91		
Redox Potential Eh (mV)	350		
Turbidity (NTU)	0		

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 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 9.6

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.88

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
Chloride								

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

Final Depth 107.35 Sample Time 1450

See instruction

Comment

Arrived on site at 1446 Tanner and Garrin present to collect samples
Samples collected at 1450. Water was clear. Left site at 1454

Continuous Pumping Well

MW-26 07-07-2015 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_07072015

Date and Time for Purging: 7/7/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.45

Casing Volume (V) 4" Well: 22.56 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 19°

Time	0957	Gal. Purged	44.91
Conductance	2059	pH	6.88
Temp. °C	14.74		
Redox Potential Eh (mV)	416		
Turbidity (NTU)	0		

Time	0958	Gal. Purged	45.13
Conductance	2052	pH	6.88
Temp. °C	14.74		
Redox Potential Eh (mV)	415		
Turbidity (NTU)	0		

Time	0959	Gal. Purged	45.35
Conductance	2045	pH	6.87
Temp. °C	14.75		
Redox Potential Eh (mV)	410		
Turbidity (NTU)	0		

Time	1000	Gal. Purged	45.57
Conductance	2047	pH	6.85
Temp. °C	14.74		
Redox Potential Eh (mV)	404		
Turbidity (NTU)	0		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 207.93

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth 77.95 Sample Time 1000

See instruction

Comment

Arrived on site at 0626. Tanner and Garrin present for purge and sampling event.
Purge began at 0630. Purged well for a total of 210 minutes.
Water was clear. Purge ended and samples collected at 1000.
Left site at 1006

MW-30 07-07-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2015

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_07062015

Date and Time for Purging: 7/6/2015 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: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.55

Casing Volume (V) 4" Well: 40.12 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 21°

Time	1607	Gal. Purged	81.80
Conductance	2185	pH	7.28
Temp. °C	14.95		
Redox Potential Eh (mV)	389		
Turbidity (NTU)	1.0		

Time	1608	Gal. Purged	82.02
Conductance	2176	pH	7.25
Temp. °C	14.97		
Redox Potential Eh (mV)	389		
Turbidity (NTU)	1.1		

Time	1609	Gal. Purged	82.24
Conductance	2171	pH	7.24
Temp. °C	14.96		
Redox Potential Eh (mV)	389		
Turbidity (NTU)	1.1		

Time	1610	Gal. Purged	82.46
Conductance	2170	pH	7.22
Temp. °C	14.95		
Redox Potential Eh (mV)	389		
Turbidity (NTU)	1.1		

Volume of Water Purged 82.46 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 369.83

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
TDS								
Sulfate								
Chloride								

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

Final Depth 71.90 Sample Time 1610

See instruction

Comment

Arrived on site at 0945. Tanner and Garrin present for purge and sampling event.
Purge began at 0950. Purged well for a total of 380 minutes.
Purge ended and samples collected at 1610. Water was clear
Left site at 1616

MW-31 07-06-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_07072015

Date and Time for Purging: 7/7/2015 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-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.31

Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 25°

Time	1312	Gal. Purged	15.62
Conductance	4079	pH	6.60
Temp. °C	15.18		
Redox Potential Eh (mV)	356		
Turbidity (NTU)	0		

Time	1313	Gal. Purged	15.84
Conductance	4083	pH	6.58
Temp. °C	15.20		
Redox Potential Eh (mV)	353		
Turbidity (NTU)	0		

Time	1314	Gal. Purged	16.05
Conductance	4090	pH	6.57
Temp. °C	15.17		
Redox Potential Eh (mV)	350		
Turbidity (NTU)	0		

Time	1315	Gal. Purged	16.27
Conductance	4100	pH	6.56
Temp. °C	15.15		
Redox Potential Eh (mV)	349		
Turbidity (NTU)	0		

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.36

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 6

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 113.07 Sample Time 1315

See instruction

Comment

Arrived on site at 1155. Tanner and Garrin present for purge and sampling event
Purge began at 1200. Purged well for a total of 75 minutes.
Water was clear. Purge ended and samples collected at 1315.
Left site at 1322

MW-35 07-07-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Ground Water 2015

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_07072015

Date and Time for Purging: 7/7/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 86.21

Casing Volume (V) 4" Well: 28.59 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 19°

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 58.59 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 263.54

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 86.42 Sample Time 1110

See instruction

Comment

Duplicate of MW-11

MW-65 07-07-2015 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

September 2015

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

See instruction

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-11_09162015

Date and Time for Purging 9/16/2015 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-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 86.10

Casing Volume (V) 4" Well: 28.66 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 16°

Time	1157	Gal. Purged	57.93
Conductance	2974	pH	7.25
Temp. °C	15.79		
Redox Potential Eh (mV)	372		
Turbidity (NTU)	5.9		

Time	1158	Gal. Purged	58.15
Conductance	2984	pH	7.26
Temp. °C	15.74		
Redox Potential Eh (mV)	360		
Turbidity (NTU)	6.0		

Time	1159	Gal. Purged	58.37
Conductance	2988	pH	7.26
Temp. °C	15.69		
Redox Potential Eh (mV)	355		
Turbidity (NTU)	6.0		

Time	1200	Gal. Purged	58.59
Conductance	2980	pH	7.25
Temp. °C	15.68		
Redox Potential Eh (mV)	347		
Turbidity (NTU)	6.1		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 264.20

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 87.13 Sample Time 1200

See instruction

Comment

Arrived on site at 0726. 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 1205

MW-11 09-16-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_09162015

Date and Time for Purging: 9/16/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.17

Casing Volume (V) 4" Well: 16.67 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 16°

Time	0957	Gal. Purged	35.15
Conductance	4003	pH	6.50
Temp. °C	15.12		
Redox Potential Eh (mV)	407		
Turbidity (NTU)	11		

Time	0958	Gal. Purged	35.37
Conductance	3999	pH	6.50
Temp. °C	15.00		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	12		

Time	0959	Gal. Purged	35.58
Conductance	3991	pH	6.50
Temp. °C	14.98		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	12		

Time	1000	Gal. Purged	35.80
Conductance	3993	pH	6.51
Temp. °C	14.99		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	12		

Volume of Water Purged 35.80 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.65

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs N/A

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 103.58 Sample Time 1000

See instruction

Comment

Arrived on site at 0710. Tanner and Garrin present for purge.
Purge began at 0715. Purged well for a total of 165 minutes.
Water was clear. Left site at 1002

No sample Required

MW-14 09-16-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Ground Water 2015

Location (well name): ~~MW-25_04~~ MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_09152015

Date and Time for Purging: 9/15/2015 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-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 76.20

Casing Volume (V) 4" Well: 25.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1127	Gal. Purged	51.42
Conductance	3252	pH	6.54
Temp. °C	15.02		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	98		

Time	1128	Gal. Purged	51.64
Conductance	3261	pH	6.56
Temp. °C	14.93		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	99		

Time	1129	Gal. Purged	51.86
Conductance	3265	pH	6.56
Temp. °C	14.95		
Redox Potential Eh (mV)	400		
Turbidity (NTU)	102		

Time	1130	Gal. Purged	52.08
Conductance	3219	pH	6.58
Temp. °C	14.97		
Redox Potential Eh (mV)	400		
Turbidity (NTU)	104		

Volume of Water Purged 52.08 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 233.51

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 78.05 Sample Time 1130

See instruction

Comment

Arrived on site at 0725. Tanner and Garrin present for purge and sampling event.
Purge began at 0730. Purged well for a total of 240 minutes.
Purge ended and samples collected at 1130. Water was mostly clear, had a few bubbles.
Left site at 1133

MW-25 09-15-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_09162015

Date and Time for Purging: 9/16/2015 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: Monthly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 62.80

Casing Volume (V) 4" Well: 38.22 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy Windy

Ext'l Amb. Temp. °C (prior sampling event): 22°

Time	1239	Gal. Purged	8
Conductance	3547	pH	6.48
Temp. °C	16.42		
Redox Potential Eh (mV)	237		
Turbidity (NTU)	19		

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 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 8.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.55

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☐	☒	1,000 ml	☐	☒	HNO3	☐	☒
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth 108.34 Sample Time 1240

See instruction

Comment

Arrived on site at ~~1239~~ 1235. Tanner and Garrin present to collect samples
Samples collected at 1240. Water was clear. Left site at 1245

Continuous Pumping Well

MW-26 09-16-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: September Ground Water 2015

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_09152015

Date and Time for Purging: 9/15/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.40

Casing Volume (V) 4" Well: 22.59 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Raining

Ext'l Amb. Temp. °C (prior sampling event): 20°

Time	1527	Gal. Purged	44.91
Conductance	2117	pH	6.53
Temp. °C	15.02		
Redox Potential Eh (mV)	363		
Turbidity (NTU)	7		

Time	1528	Gal. Purged	45.13
Conductance	1985	pH	6.57
Temp. °C	15.05		
Redox Potential Eh (mV)	363		
Turbidity (NTU)	8		

Time	1529	Gal. Purged	45.35
Conductance	1979	pH	6.63
Temp. °C	15.05		
Redox Potential Eh (mV)	358		
Turbidity (NTU)	8		

Time	1530	Gal. Purged	45.57
Conductance	1991	pH	6.65
Temp. °C	15.04		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	8		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 208.23

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth 77.80 Sample Time 1530

See instruction

Comment

Arrived on site at 1156. Tanner and Garrin present for purge and sampling event.
Purge began at 1200. Purged well for a total of 210 minutes.
Purge ended and samples collected at 1530. Water was clear
Left site at 1539

MW-30 09-15-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September GroundWater 2015

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_09152015

Date and Time for Purging: 9/15/2015 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: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.40

Casing Volume (V) 4" Well: 40.22 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1337	Gal. Purged	81.80
Conductance	2272	pH	6.64
Temp. °C	15.10		
Redox Potential Eh (mV)	373		
Turbidity (NTU)	15.2		

Time	1338	Gal. Purged	82.02
Conductance	2280	pH	6.69
Temp. °C	15.13		
Redox Potential Eh (mV)	373		
Turbidity (NTU)	15.5		

Time	1339	Gal. Purged	82.24
Conductance	2270	pH	6.71
Temp. °C	15.11		
Redox Potential Eh (mV)	369		
Turbidity (NTU)	16		

Time	1340	Gal. Purged	82.46
Conductance	2276	pH	6.73
Temp. °C	15.06		
Redox Potential Eh (mV)	366		
Turbidity (NTU)	16		

Volume of Water Purged 82.46 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 370.73

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
TDS								
Sulfate								
Chloride								

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

Final Depth 70.65 Sample Time 1340

See instruction

Comment

Arrived on site at 0715. Tanner and Garrin present for purge and sampling event.
Purge began at 0720. Purged well for a total of 380 minutes.
Purge ended and samples collected at 1340. Water was Clear
Left site at 1346

MW-31 09-15-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_09152015

Date and Time for Purging: 9/15/2015 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.24
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): 22°

Time	1507	Gal. Purged	15.62
Conductance	4281	pH	6.49
Temp. °C	15.11		
Redox Potential Eh (mV)	392		
Turbidity (NTU)	9.0		

Time	1508	Gal. Purged	15.84
Conductance	4232	pH	6.52
Temp. °C	15.09		
Redox Potential Eh (mV)	388		
Turbidity (NTU)	10		

Time	1509	Gal. Purged	16.05
Conductance	4254	pH	6.52
Temp. °C	15.05		
Redox Potential Eh (mV)	385		
Turbidity (NTU)	11		

Time	1510	Gal. Purged	16.27
Conductance	4242	pH	6.52
Temp. °C	15.01		
Redox Potential Eh (mV)	382		
Turbidity (NTU)	11		

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.78

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 112.99 Sample Time 1510

See instruction

Comment

Arrived on site at 1350. Tanner and Garrin present for purge and sampling event
Purge began at 1355. Purged well for a total of 75 minutes
Purge ended and samples collected at 1510. Water was clear
Left site at 1516

MW-35 09-15-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: September Monthly Groundwater 2015

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_09222015

Date and Time for Purging: 9/22/2015 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-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.31

Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 23°

Time	1357	Gal. Purged	15.62 15.62
Conductance	3421	pH	6.35
Temp. °C	14.94		
Redox Potential Eh (mV)	486		
Turbidity (NTU)	0		

Time	1358	Gal. Purged	15.84
Conductance	3427	pH	6.39
Temp. °C	14.95		
Redox Potential Eh (mV)	481		
Turbidity (NTU)	0		

Time	1359	Gal. Purged	16.05
Conductance	3415	pH	6.39
Temp. °C	14.88		
Redox Potential Eh (mV)	479		
Turbidity (NTU)	0		

Time	1400	Gal. Purged	16.27
Conductance	3418	pH	6.41
Temp. °C	14.85		
Redox Potential Eh (mV)	477		
Turbidity (NTU)	0		

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.36

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 113.07 Sample Time 1400

See instruction

Comment

Arrived on site at 1240. Tanner and Garrin present for purge and sampling event. Purge began at ~~1245~~ 1245. Purged well for a total of 75 minutes. Purge ended and samples were collected at 1400. Water was clear Left site at 1410

MW-35 09-22-2015 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Groundwater 2015 Resample

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_09282015

Date and Time for Purging: 9/28/2015 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: ~~Quarte~~ Monthly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.30

Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 19°

Time	1157	Gal. Purged	16.70
Conductance	4049	pH	6.48
Temp. °C	15.95		
Redox Potential Eh (mV)	317		
Turbidity (NTU)	0		

Time	1158	Gal. Purged	16.92
Conductance	4030	pH	6.50
Temp. °C	15.87		
Redox Potential Eh (mV)	316		
Turbidity (NTU)	0		

Time	1159	Gal. Purged	17.14
Conductance	4043	pH	6.50
Temp. °C	15.85		
Redox Potential Eh (mV)	316		
Turbidity (NTU)	0		

Time	1200	Gal. Purged	17.36
Conductance	4050	pH	6.49
Temp. °C	15.86		
Redox Potential Eh (mV)	313		
Turbidity (NTU)	0		

Volume of Water Purged 17.36 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.42

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 113.10 Sample Time 1200

See instruction

Comment

Arrived on site at 1036 Tanner and Garrin present for purge and sampling event.
Purge began at 1040. Purged well for a total of 80 minutes.
Purge ended and samples collected at 1200. water was clear
Left site at 1207

MW-35 09-28-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_09162015

Date and Time for Purging: 9/16/2015 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-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130

Depth to Water Before Purging: 86.10

Casing Volume (V) 4" Well: 28.66 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 16°

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 58.59 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 264.20

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 87.13 Sample Time 1200

See instruction

Comment

Duplicate of MW-11

MW-65 09-16-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: September Groundwater 2015

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_09222015

Date and Time for Purging: 9/22/2015 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-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.31

Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 23°

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 16.27 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth 113.07 Sample Time 1400

See instruction

Comment

Duplicate of MW-35

MW-70 09-22-2015 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: September Groundwater 2015 Resample

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_09282015

Date and Time for Purging: 9/28/2015 and Sampling (if different): N/A

Well Purging Equip Used: [X] pump or [ ] bailer

Well Pump (if other than Bennet): QED

Purging Method Used: [X] 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: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.30

Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 19°

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 17.36 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.42

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs GEL

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	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth ~~113.20~~ 113.10

Sample Time 1200

See instruction

Comment

Duplicate of MW-35 Resample

MW-70 09-28-2015 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Tanner Holliday

9/30/2015

TIME	WELL	Depth to Water (ft.)
937	MW-1	64.12
1050	MW-2	109.66
833	MW-3	85.50
834	MW-3A	84.51
1057	MW-5	106.10
1130	MW-11	86.10
1100	MW-12	108.19
1115	MW-14	103.07
1116	MW-15	106.04
838	MW-17	71.95
934	MW-18	71.79
923	MW-19	61.15
758	MW-20	86.15
721	MW-22	66.70
1054	MW-23	113.96
1048	MW-24	113.11
1133	MW-25	76.28
1404	MW-26	64.64
1041	MW-27	53.97
1045	MW-28	75.30
1220	MW-29	100.83
1217	MW-30	75.40
1214	MW-31	68.40
1211	MW-32	76.91
1445	MW-33	DRY
1125	MW-34	107.13
1103	MW-35	112.29
1105	MW-36	110.40
1121	MW-37	107.18

TIME	WELL	Depth to Water (ft.)
1415	MW-4	78.95
1419	TW4-1	82.73
1412	TW4-2	77.60
1158	TW4-3	56.07
1424	TW4-4	72.14
1204	TW4-5	63.78
1148	TW4-6	71.38
1152	TW4-7	74.85
1155	TW4-8	76.56
1201	TW4-9	61.61
1206	TW4-10	61.26
1409	TW4-11	90.35
855	TW4-12	45.36
900	TW4-13	51.28
903	TW4-14	80.62
1404	TW4-15	64.64
1209	TW4-16	63.40
1211	TW4-17	76.91
1025	TW4-18	64.65
1436	TW4-19	63.23
1400	TW4-20	62.75
1337	TW4-21	66.30
1353	TW4-22	57.76
1140	TW4-23	68.55
1350	TW4-24	65.22
1341	TW4-25	63.51
1143	TW4-26	65.92
843	TW4-27	79.81
1856	TW4-28	39.44
844	TW4-29	73.25
850	TW4-30	76.07
852	TW4-31	80.24
858	TW4-32	50.88
841	TW4-33	71.92
846	TW4-34	71.26
848	TW4-35	74.06
901	TW4-36	56.41
1356	TW4-37	61.18

TIME	WELL	Depth to Water (ft.)
927	PIEZ-1	64.84
921	PIEZ-2	38.20
1034	PIEZ-3	49.11
1140	PIEZ-4	57.55
1137	PIEZ-5	57.08
1023	TWN-1	61.70
1344	TWN-2	28.80
1029	TWN-3	37.89
1032	TWN-4	54.39
	TWN-5	Abandoned
931	TWN-6	78.01
939	TWN-7	85.62
	TWN-8	Abandoned
	TWN-9	Abandoned
	TWN-10	Abandoned
	TWN-11	Abandoned
	TWN-12	Abandoned
	TWN-13	Abandoned
917	TWN-14	61.35
	TWN-15	Abandoned
914	TWN-16	47.65
	TWN-17	Abandoned
1038	TWN-18	60.08
910	TWN-19	53.30

TIME	WELL	Depth to Water (ft.)
NA	DR-1	Abandoned
NA	DR-2	Abandoned
816	DR-5	82.98
813	DR-6	94.25
1108	DR-7	92.05
809	DR-8	51.25
806	DR-9	86.47
802	DR-10	78.12
824	DR-11	98.08
827	DR-12	90.78
830	DR-13	69.87
751	DR-14	76.21
754	DR-15	92.83
	DR-16	Abandoned
747	DR-17	64.85
	DR-18	Abandoned
736	DR-19	63.00
733	DR-20	55.56
726	DR-21	101.00
740	DR-22	60.60
729	DR-23	70.43
743	DR-24	44.17
NA	DR-25	Abandoned

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-001
Client Sample ID: MW-01_07272015
Collection Date: 7/27/2015 1625h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		7/31/2015 1820h	E300.0	100	**876**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this rep

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-001A
Client Sample ID: MW-01_07272015
Collection Date: 7/27/2015 1625h
Received Date: 7/30/2015 1014h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/30/2015 1353h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	**2.71**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	99.0	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-002
Client Sample ID: MW-03_07282015
Collection Date: 7/28/2015 745h
Received Date: 7/30/2015 1014h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	8/3/2015 1209h	8/10/2015 1152h	E200.8	0.00500	**0.0683**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-002
Client Sample ID: MW-03_07282015
Collection Date: 7/28/2015 745h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		7/31/2015 1927h	E300.0	0.100	**1.58**	
Nitrate/Nitrite (as N)	mg/L		8/8/2015 1031h	E353.2	0.100	**0.406**	[1]
Sulfate	mg/L		7/31/2015 1622h	E300.0	1,000	**3,670**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-003
Client Sample ID: MW-03A_07292015
Collection Date: 7/29/2015 650h
Received Date: 7/30/2015 1014h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	8/3/2015 1209h	8/10/2015 1209h	E200.8	0.00500	**0.0859**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-003
Client Sample ID: MW-03A_07292015
Collection Date: 7/29/2015 650h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		8/8/2015 1038h	E353.2	0.100	**0.435**	
Sulfate	mg/L		7/31/2015 1712h	E300.0	1,000	**3,860**	
Total Dissolved Solids	mg/L		7/31/2015 1700h	SM2540C	20.0	**5,660**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-001
Client Sample ID: MW-05_07212015
Collection Date: 7/21/2015 1010h
Received Date: 7/23/2015 1100h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	7/23/2015 1335h	7/27/2015 1614h	E200.8	0.000300	**0.000887**	

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INORGANIC ANALYTICAL REPORT

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Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-001
Client Sample ID: MW-11_08102015
Collection Date: 8/10/2015 1545h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2317h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1643h	E200.7	50.0	**69.7**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2317h	E200.8	0.0300	**0.0542**	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2317h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1745h	E200.7	1.00	**21.0**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	**0.138**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1237h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1745h	E200.7	1.00	**6.83**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	< 0.0100	[1]
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1643h	E200.7	50.0	**554**	[2]
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2317h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/27/2015 1525h	E200.8	0.000300	**0.000767**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1745h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2212h	E200.8	0.0100	**0.0144**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*
[2] - *Analyte concentration is too high for accurate matrix spike recovery and/or RPD.*

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-001
Client Sample ID: MW-11_08102015
Collection Date: 8/10/2015 1545h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2249h	E350.1	0.0500	**0.731**	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**330**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2100h	E300.0	10.0	**37.3**	
Fluoride	mg/L		8/25/2015 204h	E300.0	0.100	**0.328**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**-0.150**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1848h	E353.2	0.100	< 0.100	
Sulfate	mg/L		8/24/2015 1416h	E300.0	1,000	**1,050**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**29.6**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**29.5**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**1,960**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**1,940**	

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-001A
Client Sample ID: MW-11_08102015
Collection Date: 8/10/2015 1545h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 831h
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	40.9	50.00	81.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.8	50.00	97.5	80-152	
Surr: Dibromofluoromethane	1868-53-7	41.3	50.00	82.5	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 11, 2015

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_08102015	Project:	DNMI00100
Sample ID:	379372001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-AUG-15 13:00		
Receive Date:	14-AUG-15		
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	+/-0.277	0.971	1.00	pCi/L		AXM6	09/08/15	1651	1504220	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"			98.6	(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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-002
Client Sample ID: MW-12_07212015
Collection Date: 7/21/2015 1250h
Received Date: 7/23/2015 1100h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/23/2015 1335h	7/27/2015 1518h	E200.8	0.00500	**0.0246**	

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Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-002
Client Sample ID: MW-14_08112015
Collection Date: 8/11/2015 1000h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2321h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.000500	**0.00131**	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1654h	E200.7	50.0	**507**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2321h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2321h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1654h	E200.7	50.0	**150**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	**1.93**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1242h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1752h	E200.7	1.00	**12.8**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1654h	E200.7	50.0	**330**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2321h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2321h	E200.8	0.000750	**0.0596**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1752h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2228h	E200.8	0.0100	**0.0254**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-002
Client Sample ID: MW-14_08112015
Collection Date: 8/11/2015 1000h
Received Date: 8/13/2015 1015h

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Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2302h	E350.1	0.0500	**0.102**	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**410**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2117h	E300.0	10.0	**19.7**	
Fluoride	mg/L		8/25/2015 220h	E300.0	0.100	< 0.100	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**-0.00195**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1849h	E353.2	0.100	**0.740**	
Sulfate	mg/L		8/24/2015 1506h	E300.0	1,000	**2,090**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**52.3**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**52.3**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**3,440**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**3,360**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-002A
Client Sample ID: MW-14_08112015
Collection Date: 8/11/2015 1000h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 850h
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	39.7	50.00	79.4	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.3	50.00	94.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	40.2	50.00	80.3	80-124	
Surr: Toluene-d8	2037-26-5	48.9	50.00	97.8	77-129	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 11, 2015

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_08112015	Project:	DNMI00100
Sample ID:	379372002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-AUG-15 10:00		
Receive Date:	14-AUG-15		
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	+/-0.312	0.994	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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"			98.6	(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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-003
Client Sample ID: MW-15_07222015
Collection Date: 7/22/2015 1010h
Received Date: 7/23/2015 1100h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/23/2015 1335h	7/27/2015 1521h	E200.8	0.00500	**0.104**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-004
Client Sample ID: MW-18_07272015
Collection Date: 7/27/2015 1310h
Received Date: 7/30/2015 1014h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Thallium	mg/L	8/3/2015 1209h	8/10/2015 1251h	E200.8	0.000500	**0.00269**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-004
Client Sample ID: MW-18_07272015
Collection Date: 7/27/2015 1310h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		7/31/2015 1729h	E300.0	1,000	**1,990**	
Total Dissolved Solids	mg/L		7/31/2015 1700h	SM2540C	20.0	**3,190**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-005
Client Sample ID: MW-19_07272015
Collection Date: 7/27/2015 1530h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		8/8/2015 1039h	E353.2	1.00	**2.82**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-006
Client Sample ID: MW-24_07292015
Collection Date: 7/29/2015 635h
Received Date: 7/30/2015 1014h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	8/3/2015 1209h	8/10/2015 1215h	E200.8	0.000500	**0.00188**	
Thallium	mg/L	8/3/2015 1209h	8/10/2015 1254h	E200.8	0.000500	**0.000850**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-006
Client Sample ID: MW-24_07292015
Collection Date: 7/29/2015 635h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		7/31/2015 1944h	E300.0	0.100	**0.388**	[1]
Sulfate	mg/L		7/31/2015 1746h	E300.0	1,000	**2,880**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-003
Client Sample ID: MW-25_08102015
Collection Date: 8/10/2015 1100h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2324h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.000500	**0.00141**	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1656h	E200.7	50.0	**365**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2324h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2324h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1656h	E200.7	50.0	**120**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	**1.46**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1247h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	**0.0132**	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1754h	E200.7	1.00	**10.3**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1656h	E200.7	50.0	**300**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2324h	E200.8	0.000500	**0.000836**	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2324h	E200.8	0.000750	**0.00639**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1754h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2232h	E200.8	0.0100	**0.0173**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-003
Client Sample ID: MW-25_08102015
Collection Date: 8/10/2015 1100h
Received Date: 8/13/2015 1015h

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Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2304h	E350.1	0.0500	**0.417**	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**346**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2208h	E300.0	10.0	**36.8**	
Fluoride	mg/L		8/25/2015 237h	E300.0	0.100	**0.191**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**1.06**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1858h	E353.2	0.100	**0.748**	
Sulfate	mg/L		8/24/2015 1523h	E300.0	1,000	**1,560**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**40.5**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**41.4**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**2,660**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**2,600**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-003A
Client Sample ID: MW-25_08102015
Collection Date: 8/10/2015 1100h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 910h
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	39.9	50.00	79.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.9	50.00	93.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	40.1	50.00	80.1	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.6	77-129	

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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 11, 2015

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_08102015	Project:	DNMI00100
Sample ID:	379372003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-AUG-15 11:00		
Receive Date:	14-AUG-15		
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	+/-0.264	0.963	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-004
Client Sample ID: MW-26_08102015
Collection Date: 8/10/2015 1505h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2327h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1705h	E200.7	50.0	**500**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.120	**0.533**	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2327h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1705h	E200.7	50.0	**166**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	**0.901**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1249h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1804h	E200.7	1.00	**12.1**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.00500	**0.00756**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1705h	E200.7	50.0	**172**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2327h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2327h	E200.8	0.000750	**0.0619**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1804h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2235h	E200.8	0.0100	**0.0162**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-004
Client Sample ID: MW-26_08102015
Collection Date: 8/10/2015 1505h
Received Date: 8/13/2015 1015h

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Jose Rocha
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Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2305h	E350.1	0.0500	**0.183**	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**363**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2225h	E300.0	10.0	**88.3**	
Fluoride	mg/L		8/25/2015 254h	E300.0	0.100	**0.123**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**0.178**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1900h	E353.2	0.100	**1.75**	
Sulfate	mg/L		8/24/2015 1540h	E300.0	1,000	**1,750**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**46.2**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**46.4**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**2,940**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**2,910**	

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ORGANIC ANALYTICAL REPORT

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Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-004A
Client Sample ID: MW-26_08102015
Collection Date: 8/10/2015 1505h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1301h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,240**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	882	1,000	88.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,090	1,000	109	80-152	
Surr: Dibromofluoromethane	1868-53-7	955	1,000	95.5	80-124	
Surr: Toluene-d8	2037-26-5	1,080	1,000	108	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 8/14/2015 930h
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	
Chloromethane	74-87-3	1.00	**2.20**	
Methylene chloride	75-09-2	1.00	**2.17**	
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	38.4	50.00	76.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	45.5	50.00	91.1	80-152	
Surr: Dibromofluoromethane	1868-53-7	42.0	50.00	84.0	80-124	
Surr: Toluene-d8	2037-26-5	46.6	50.00	93.3	77-129	

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Certificate of Analysis

Report Date: September 14, 2015

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_08172015	Project:	DNMI00100
Sample ID:	379499001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-AUG-15 08:10		
Receive Date:	18-AUG-15		
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		2.32	+/-0.436	0.996	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-004
Client Sample ID: MW-27_07212015
Collection Date: 7/21/2015 1045h
Received Date: 7/23/2015 1100h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/27/2015 1325h	E300.0	10.0	**43.7**	
Nitrate/Nitrite (as N)	mg/L		8/3/2015 1736h	E353.2	1.00	**7.35**	
Sulfate	mg/L		7/27/2015 1252h	E300.0	100	**425**	
Total Dissolved Solids	mg/L		7/23/2015 1400h	SM2540C	20.0	**1,010**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 24, 2015

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_07212015	Project:	DNMI00100
Sample ID:	378370003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	21-JUL-15 10:45		
Receive Date:	31-JUL-15		
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	+/-0.251	0.810	1.00	pCi/L		AXM6	08/17/15	1658	1499098	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"			92.4	(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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-005
Client Sample ID: MW-28_07212015
Collection Date: 7/21/2015 1445h
Received Date: 7/23/2015 1100h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	7/23/2015 1335h	7/27/2015 1525h	E200.8	0.000500	**0.00497**	
Uranium	mg/L	7/23/2015 1335h	7/27/2015 1617h	E200.8	0.000300	**0.00487**	
Vanadium	mg/L	7/23/2015 1335h	8/6/2015 1035h	E200.7	0.0150	< 0.0150	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-005
Client Sample ID: MW-28_07212015
Collection Date: 7/21/2015 1445h
Received Date: 7/23/2015 1100h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/27/2015 1309h	E300.0	100	**113**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-006
Client Sample ID: MW-29_07222015
Collection Date: 7/22/2015 1000h
Received Date: 7/23/2015 1100h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Total Dissolved Solids	mg/L		7/23/2015 1400h	SM2540C	20.0	**4,310**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-005
Client Sample ID: MW-30_08112015
Collection Date: 8/11/2015 1105h
Received Date: 8/13/2015 1015h

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Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2331h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1707h	E200.7	50.0	**273**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2331h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2331h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1707h	E200.7	50.0	**71.8**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	**0.0158**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1251h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1806h	E200.7	1.00	**6.88**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.00500	**0.0416**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1707h	E200.7	50.0	**99.3**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2331h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2331h	E200.8	0.000750	**0.00816**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1806h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2248h	E200.8	0.0100	**0.0338**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-005
Client Sample ID: MW-30_08112015
Collection Date: 8/11/2015 1105h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2306h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**262**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 1845h	E300.0	100	**165**	
Fluoride	mg/L		8/25/2015 311h	E300.0	0.100	**0.247**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**-2.24**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1901h	E353.2	1.00	**17.9**	
Sulfate	mg/L		8/24/2015 1845h	E300.0	100	**718**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**25.1**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**24.0**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**1,550**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**1,510**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-005A
Client Sample ID: MW-30_08112015
Collection Date: 8/11/2015 1105h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 2129h
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	42.5	50.00	85.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	43.4	50.00	86.9	80-124	
Surr: Toluene-d8	2037-26-5	52.6	50.00	105	77-129	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 11, 2015

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_08112015	Project:	DNMI00100
Sample ID:	379372005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-AUG-15 11:05		
Receive Date:	14-AUG-15		
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	+/-0.303	0.978	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-006
Client Sample ID: MW-31_08102015
Collection Date: 8/10/2015 1300h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2334h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1709h	E200.7	50.0	**221**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2334h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2334h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1709h	E200.7	50.0	**102**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1253h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1808h	E200.7	1.00	**6.52**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.00500	**0.0822**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1709h	E200.7	50.0	**99.5**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2334h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2334h	E200.8	0.000750	**0.00876**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1808h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2251h	E200.8	0.0100	**0.0151**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-006
Client Sample ID: MW-31_08102015
Collection Date: 8/10/2015 1300h
Received Date: 8/13/2015 1015h

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Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2307h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**194**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 1936h	E300.0	100	**264**	
Fluoride	mg/L		8/25/2015 328h	E300.0	0.100	**0.724**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**-2.24**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1902h	E353.2	1.00	**19.9**	
Sulfate	mg/L		8/24/2015 1936h	E300.0	100	**640**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**25.0**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**23.9**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**1,530**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**1,470**	

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-006A
Client Sample ID: MW-31_08102015
Collection Date: 8/10/2015 1300h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1009h
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	43.2	50.00	86.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	43.2	50.00	86.5	80-124	
Surr: Toluene-d8	2037-26-5	53.1	50.00	106	77-129	

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Certificate of Analysis

Report Date: September 11, 2015

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_08102015	Project:	DNMI00100
Sample ID:	379372006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-AUG-15 13:00		
Receive Date:	14-AUG-15		
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		1.15	+/-0.366	0.995	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-009
Client Sample ID: MW-32_07232015
Collection Date: 7/23/2015 1215h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/31/2015 1910h	E300.0	10.0	**37.3**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Certificate of Analysis

Report Date: August 24, 2015

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_07232015	Project:	DNMI00100
Sample ID:	378370002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	23-JUL-15 12:15		
Receive Date:	31-JUL-15		
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		1.89	+/-0.327	0.601	1.00	pCi/L		AXM6	08/17/15	1658	1499098	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"			106	(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: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-007
Client Sample ID: MW-35_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2337h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1712h	E200.7	50.0	**518**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2337h	E200.8	0.0300	**0.0941**	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2337h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1712h	E200.7	50.0	**156**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	**0.198**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1254h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1810h	E200.7	1.00	**12.2**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.00500	**0.0125**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1712h	E200.7	50.0	**376**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2337h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2337h	E200.8	0.000750	**0.0221**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1810h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2255h	E200.8	0.0100	**0.0154**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-007
Client Sample ID: MW-35_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2308h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**346**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2241h	E300.0	10.0	**75.2**	
Fluoride	mg/L		8/25/2015 346h	E300.0	0.100	**0.161**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**0.0916**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1904h	E353.2	0.100	**0.953**	
Sulfate	mg/L		8/24/2015 1557h	E300.0	1,000	**2,220**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**55.3**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**55.4**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**3,620**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**3,570**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-007A
Client Sample ID: MW-35_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1029h
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	42.8	50.00	85.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	42.8	50.00	85.5	80-124	
Surr: Toluene-d8	2037-26-5	53.1	50.00	106	77-129	

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GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: September 11, 2015

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_08102015	Project:	DNMI00100
Sample ID:	379372007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-AUG-15 14:40		
Receive Date:	14-AUG-15		
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		3.24	+/-0.499	0.960	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-007
Client Sample ID: MW-36_07212015
Collection Date: 7/21/2015 1510h
Received Date: 7/23/2015 1100h

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Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	7/23/2015 1335h	7/27/2015 1557h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	7/23/2015 1335h	8/6/2015 1029h	E200.7	10.0	**453**	2
Chromium	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/3/2015 1209h	8/4/2015 1451h	E200.8	0.0100	< 0.0100	
Iron	mg/L	7/23/2015 1335h	7/27/2015 1557h	E200.8	0.0300	< 0.0300	
Lead	mg/L	7/23/2015 1335h	7/27/2015 1557h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	7/23/2015 1335h	8/6/2015 1029h	E200.7	10.0	**143**	2
Manganese	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	7/30/2015 1450h	7/31/2015 1039h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	7/23/2015 1335h	8/6/2015 1037h	E200.7	1.00	**10.3**	
Selenium	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.00500	**0.235**	
Silver	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	7/23/2015 1335h	8/4/2015 1332h	E200.7	100	**660**	2
Thallium	mg/L	7/23/2015 1335h	7/27/2015 1557h	E200.8	0.000500	**0.000634**	
Tin	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.100	< 0.100	
Uranium	mg/L	7/23/2015 1335h	7/27/2015 1557h	E200.8	0.000750	**0.0220**	
Vanadium	mg/L	7/23/2015 1335h	8/6/2015 1037h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	7/23/2015 1335h	7/27/2015 1528h	E200.8	0.0100	< 0.0100	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-007
Client Sample ID: MW-36_07212015
Collection Date: 7/21/2015 1510h
Received Date: 7/23/2015 1100h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	7/28/2015 1745h	7/29/2015 1548h	E350.1	0.0500	< 0.0500	[1]
Bicarbonate (as CaCO3)	mg/L		7/28/2015 933h	SM2320B	1.00	**315**	
Carbonate (as CaCO3)	mg/L		7/28/2015 933h	SM2320B	1.00	< 1.00	
Chloride	mg/L		7/27/2015 1342h	E300.0	10.0	**58.5**	
Fluoride	mg/L		7/27/2015 1359h	E300.0	0.100	**0.267**	
Ion Balance	%		8/7/2015 1215h	Calc.	-100	**-1.78**	
Nitrate/Nitrite (as N)	mg/L		8/3/2015 1705h	E353.2	0.100	**0.217**	
Sulfate	mg/L		7/27/2015 1201h	E300.0	1,000	**2,770**	
Total Anions, Measured	meq/L		8/7/2015 1215h	Calc.		**65.7**	
Total Cations, Measured	meq/L		8/7/2015 1215h	Calc.		**63.4**	
Total Dissolved Solids	mg/L		7/23/2015 1400h	SM2540C	20.0	**4,620**	
Total Dissolved Solids Ratio, Measured/Calculated			8/7/2015 1215h	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		8/7/2015 1215h	Calc.		**4,290**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-007E
Client Sample ID: MW-36_07212015
Collection Date: 7/21/2015 1510h
Received Date: 7/23/2015 1100h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/23/2015 1353h
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	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.5	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.5	50.00	97.1	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 24, 2015

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_07212015	Project:	DNMI00100
Sample ID:	378370001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	21-JUL-15 15:10		
Receive Date:	31-JUL-15		
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	+/-0.174	0.519	1.00	pCi/L		AXM6	08/17/15	1658	1499098	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-008
Client Sample ID: MW-37_08112015
Collection Date: 8/11/2015 930h
Received Date: 8/13/2015 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2340h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1714h	E200.7	50.0	**482**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2340h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2340h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1714h	E200.7	50.0	**128**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1256h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1812h	E200.7	1.00	**16.1**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.00500	**0.00549**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1714h	E200.7	50.0	**507**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2340h	E200.8	0.000500	**0.000692**	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2340h	E200.8	0.000750	**0.0161**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1812h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2258h	E200.8	0.0100	**0.0584**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-008
Client Sample ID: MW-37_08112015
Collection Date: 8/11/2015 930h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2309h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**196**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2258h	E300.0	10.0	**53.3**	
Fluoride	mg/L		8/25/2015 403h	E300.0	0.100	< 0.100	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**-0.0896**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1905h	E353.2	0.100	**0.710**	
Sulfate	mg/L		8/24/2015 1614h	E300.0	1,000	**2,480**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**57.2**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**57.1**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**3,770**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**0.994**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**3,790**	

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ORGANIC ANALYTICAL REPORT

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-008A
Client Sample ID: MW-37_08112015
Collection Date: 8/11/2015 930h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1048h
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	43.1	50.00	86.1	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	43.2	50.00	86.3	80-124	
Surr: Toluene-d8	2037-26-5	53.1	50.00	106	77-129	

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Certificate of Analysis

Report Date: September 11, 2015

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_08112015	Project:	DNMI00100
Sample ID:	379372008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-AUG-15 09:30		
Receive Date:	14-AUG-15		
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	+/-0.293	0.968	1.00	pCi/L		AXM6	09/08/15	1651	1504220	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. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-008
Client Sample ID: MW-65_07282015
Collection Date: 7/28/2015 745h
Received Date: 7/30/2015 1014h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	8/3/2015 1209h	8/10/2015 1228h	E200.8	0.00500	**0.0674**	

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-008
Client Sample ID: MW-65_07282015
Collection Date: 7/28/2015 745h
Received Date: 7/30/2015 1014h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		7/31/2015 2034h	E300.0	0.100	**1.58**	
Nitrate/Nitrite (as N)	mg/L		8/8/2015 1043h	E353.2	0.100	**0.323**	
Sulfate	mg/L		7/31/2015 1803h	E300.0	1,000	**3,640**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-009
Client Sample ID: MW-70_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

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Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/13/2015 1328h	8/26/2015 2344h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/13/2015 1328h	8/19/2015 1716h	E200.7	50.0	**530**	
Chromium	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/13/2015 1328h	8/26/2015 2344h	E200.8	0.0300	**0.100**	
Lead	mg/L	8/13/2015 1328h	8/26/2015 2344h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/13/2015 1328h	8/19/2015 1716h	E200.7	50.0	**158**	
Manganese	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	**0.202**	
Mercury	mg/L	8/14/2015 1325h	8/19/2015 1258h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/13/2015 1328h	8/19/2015 1815h	E200.7	1.00	**12.1**	
Selenium	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.00500	**0.0127**	
Silver	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/13/2015 1328h	8/19/2015 1716h	E200.7	50.0	**384**	
Thallium	mg/L	8/13/2015 1328h	8/26/2015 2344h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/13/2015 1328h	8/26/2015 2344h	E200.8	0.000750	**0.0235**	
Vanadium	mg/L	8/13/2015 1328h	8/19/2015 1815h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/13/2015 1328h	8/26/2015 2301h	E200.8	0.0100	**0.0142**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-009
Client Sample ID: MW-70_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/21/2015 1300h	8/21/2015 2311h	E350.1	0.0500	**0.0674**	
Bicarbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	**346**	
Carbonate (as CaCO3)	mg/L		8/14/2015 1104h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2015 2315h	E300.0	10.0	**73.9**	
Fluoride	mg/L		8/25/2015 420h	E300.0	0.100	**0.143**	
Ion Balance	%		8/26/2015 1501h	Calc.	-100	**0.338**	
Nitrate/Nitrite (as N)	mg/L		8/25/2015 1906h	E353.2	0.100	**0.941**	1
Sulfate	mg/L		8/24/2015 1704h	E300.0	1,000	**2,260**	
Total Anions, Measured	meq/L		8/26/2015 1501h	Calc.		**56.1**	
Total Cations, Measured	meq/L		8/26/2015 1501h	Calc.		**56.5**	
Total Dissolved Solids	mg/L		8/13/2015 1245h	SM2540C	20.0	**3,640**	
Total Dissolved Solids Ratio, Measured/Calculated			8/26/2015 1501h	Calc.		**1.00**	
Total Dissolved Solids, Calculated	mg/L		8/26/2015 1501h	Calc.		**3,630**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-009A
Client Sample ID: MW-70_08102015
Collection Date: 8/10/2015 1440h
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1108h
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	42.7	50.00	85.4	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	43.0	50.00	86.0	80-124	
Surr: Toluene-d8	2037-26-5	52.9	50.00	106	77-129	

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Certificate of Analysis

Report Date: September 11, 2015

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_08102015	Project:	DNMI00100
Sample ID:	379372009	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-AUG-15 14:40		
Receive Date:	14-AUG-15		
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		3.69	+/-0.554	0.973	1.00	pCi/L		AXM6	09/08/15	1653	1504220	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.

ORGANIC ANALYTICAL REPORT

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1507399-008A
Client Sample ID: Trip Blank
Collection Date: 7/21/2015
Received Date: 7/23/2015 1100h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/23/2015 1333h
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	50.2	50.00	100	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.5	50.00	107	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	98.0	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Sample ID: 1507505-007A
Client Sample ID: Trip Blank
Collection Date: 7/27/2015 1625h
Received Date: 7/30/2015 1014h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/30/2015 1333h
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	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.4	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Sample ID: 1508249-010A
Client Sample ID: Trip Blank
Collection Date: 8/10/2015
Received Date: 8/13/2015 1015h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/14/2015 1128h
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	42.6	50.00	85.3	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.8	50.00	99.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	43.0	50.00	86.1	80-124	
Surr: Toluene-d8	2037-26-5	52.9	50.00	106	77-129	

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Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Groundwater 2015

Dear Garrin Palmer: Lab Set ID: 1507399

American West Analytical Laboratories received sample(s) on 7/23/2015 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, Wyoming, 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.

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, email=jose@awal-labs.com, c=US
Date: 2015.08.07 15:52:32 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1507399
Date Received: 7/23/2015 1100h

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Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1507399-001A	MW-05_07212015	7/21/2015	1010h	Aqueous	ICPMS Metals, Dissolved
1507399-002A	MW-12_07212015	7/21/2015	1250h	Aqueous	ICPMS Metals, Dissolved
1507399-003A	MW-15_07222015	7/22/2015	1010h	Aqueous	ICPMS Metals, Dissolved
1507399-004A	MW-27_07212015	7/21/2015	1045h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507399-004B	MW-27_07212015	7/21/2015	1045h	Aqueous	Anions, E300.0
1507399-004C	MW-27_07212015	7/21/2015	1045h	Aqueous	Total Dissolved Solids, A2540C
1507399-005A	MW-28_07212015	7/21/2015	1445h	Aqueous	ICPMS Metals, Dissolved
1507399-005A	MW-28_07212015	7/21/2015	1445h	Aqueous	ICP Metals, Dissolved
1507399-005B	MW-28_07212015	7/21/2015	1445h	Aqueous	Anions, E300.0
1507399-006A	MW-29_07222015	7/22/2015	1000h	Aqueous	Total Dissolved Solids, A2540C
1507399-007A	MW-36_07212015	7/21/2015	1510h	Aqueous	Ammonia, Aqueous
1507399-007A	MW-36_07212015	7/21/2015	1510h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507399-007B	MW-36_07212015	7/21/2015	1510h	Aqueous	Anions, E300.0
1507399-007B	MW-36_07212015	7/21/2015	1510h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1507399-007B	MW-36_07212015	7/21/2015	1510h	Aqueous	Ion Balance
1507399-007C	MW-36_07212015	7/21/2015	1510h	Aqueous	Total Dissolved Solids, A2540C
1507399-007D	MW-36_07212015	7/21/2015	1510h	Aqueous	ICPMS Metals, Dissolved
1507399-007D	MW-36_07212015	7/21/2015	1510h	Aqueous	ICP Metals, Dissolved
1507399-007D	MW-36_07212015	7/21/2015	1510h	Aqueous	Mercury, Drinking Water Dissolved
1507399-007E	MW-36_07212015	7/21/2015	1510h	Aqueous	VOA by GC/MS Method 8260C/5030C
1507399-008A	Trip Blank	7/21/2015		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1507399

Sample Receipt Information:

Date of Receipt: 7/23/2015
Date of Collection: 7/21-7/22/2015
Sample Condition: Intact
C-O-C Discrepancies: See Chain-Of-Custody

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, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1507399-004A	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1507399-007A	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1507399-007D	Calcium	MS/MSD	High analyte concentration
1507399-007D	Magnesium	MSD	High analyte concentration
1507399-007D	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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Volatile Case Narrative

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Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Groundwater 2015
Lab Set ID:	1507399

Sample Receipt Information:

Date of Receipt:	7/23/2015
Date of Collection:	7/21-7/22/2015
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-Of-Custody
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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS-38189	Date Analyzed:	08/04/2015 1327h											
Test Code: 200.7-DIS	Date Prepared:	07/23/2015 1335h											
Calcium	10.3	mg/L	E200.7	0.0401	1.00	10.00	0	103	85 - 115				
Magnesium	9.79	mg/L	E200.7	0.0294	1.00	10.00	0	97.9	85 - 115				
Potassium	10.0	mg/L	E200.7	0.247	1.00	10.00	0	100	85 - 115				
Sodium	9.90	mg/L	E200.7	0.0330	1.00	10.00	0	99.0	85 - 115				
Vanadium	0.195	mg/L	E200.7	0.00116	0.00500	0.2000	0	97.5	85 - 115				
Lab Sample ID: LCS-38191	Date Analyzed:	07/27/2015 1515h											
Test Code: 200.8-DIS	Date Prepared:	07/23/2015 1335h											
Arsenic	0.206	mg/L	E200.8	0.0000920	0.00200	0.2000	0	103	85 - 115				
Beryllium	0.202	mg/L	E200.8	0.0000288	0.00200	0.2000	0	101	85 - 115				
Cadmium	0.193	mg/L	E200.8	0.000193	0.000500	0.2000	0	96.4	85 - 115				
Chromium	0.202	mg/L	E200.8	0.00154	0.00200	0.2000	0	101	85 - 115				
Cobalt	0.197	mg/L	E200.8	0.0000434	0.00400	0.2000	0	98.7	85 - 115				
Iron	0.994	mg/L	E200.8	0.0118	0.100	1.000	0	99.4	85 - 115				
Lead	0.193	mg/L	E200.8	0.000264	0.00200	0.2000	0	96.3	85 - 115				
Manganese	0.201	mg/L	E200.8	0.00153	0.00200	0.2000	0	100	85 - 115				
Molybdenum	0.196	mg/L	E200.8	0.000206	0.00200	0.2000	0	98.2	85 - 115				
Nickel	0.197	mg/L	E200.8	0.000754	0.00200	0.2000	0	98.3	85 - 115				
Selenium	0.190	mg/L	E200.8	0.0000634	0.00200	0.2000	0	94.8	85 - 115				
Silver	0.187	mg/L	E200.8	0.0000244	0.00200	0.2000	0	93.7	85 - 115				
Thallium	0.188	mg/L	E200.8	0.0000242	0.00200	0.2000	0	94.0	85 - 115				
Tin	0.989	mg/L	E200.8	0.000348	0.00200	1.000	0	98.9	85 - 115				
Uranium	0.198	mg/L	E200.8	0.0000112	0.00200	0.2000	0	98.9	85 - 115				
Zinc	1.04	mg/L	E200.8	0.00476	0.00500	1.000	0	104	85 - 115				
Lab Sample ID: LCS-38307	Date Analyzed:	08/04/2015 1448h											
Test Code: 200.8-DIS	Date Prepared:	08/03/2015 1209h											
Copper	0.200	mg/L	E200.8	0.000692	0.00200	0.2000	0	99.8	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**LCS-38268**	Date Analyzed:	07/31/2015 1033h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	07/30/2015 1450h											
Mercury		0.00344	mg/L	E245.1	0.00000892	0.000150	0.003330	0	103	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**MB-38189**	Date Analyzed:	08/04/2015 1325h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Calcium		< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium		< 1.00	mg/L	E200.7	0.247	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0330	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.00116	0.00500								
Lab Sample ID:	**MB-38191**	Date Analyzed:	07/27/2015 1512h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Arsenic		< 0.00200	mg/L	E200.8	0.0000920	0.00200								
Cadmium		< 0.000500	mg/L	E200.8	0.000193	0.000500								
Chromium		< 0.00200	mg/L	E200.8	0.00154	0.00200								
Cobalt		< 0.00400	mg/L	E200.8	0.0000434	0.00400								
Manganese		< 0.00200	mg/L	E200.8	0.00153	0.00200								
Molybdenum		< 0.00200	mg/L	E200.8	0.000206	0.00200								
Nickel		< 0.00200	mg/L	E200.8	0.000754	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.0000634	0.00200								
Silver		< 0.00200	mg/L	E200.8	0.0000244	0.00200								
Tin		< 0.00200	mg/L	E200.8	0.000348	0.00200								
Zinc		< 0.00500	mg/L	E200.8	0.00476	0.00500								
Lab Sample ID:	**MB-38191**	Date Analyzed:	07/27/2015 1554h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Beryllium		< 0.000500	mg/L	E200.8	0.00000720	0.000500								
Iron		< 0.0250	mg/L	E200.8	0.00296	0.0250								
Lead		< 0.000500	mg/L	E200.8	0.0000660	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**MB-38191**	Date Analyzed:	07/27/2015 1610h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Uranium		< 0.000200	mg/L	E200.8	0.00000112	0.000200								
Lab Sample ID:	**MB-38307**	Date Analyzed:	08/04/2015 1445h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Copper		< 0.00200	mg/L	E200.8	0.000692	0.00200								
Lab Sample ID:	**MB-38268**	Date Analyzed:	07/31/2015 1032h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	07/30/2015 1450h											
Mercury		< 0.000150	mg/L	E245.1	0.00000892	0.000150								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	08/04/2015 1339h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Sodium		710	mg/L	E200.7	3.30	100	10.00	660	498	70 - 130				2
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	08/06/2015 1031h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Calcium		451	mg/L	E200.7	0.401	10.0	10.00	453	-21.3	70 - 130				2
Magnesium		152	mg/L	E200.7	0.294	10.0	10.00	143	88.2	70 - 130				
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	08/06/2015 1039h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Potassium		21.5	mg/L	E200.7	0.247	1.00	10.00	10.3	111	70 - 130				
Vanadium		0.198	mg/L	E200.7	0.00116	0.00500	0.2000	0	98.9	70 - 130				
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	07/27/2015 1538h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Arsenic		0.219	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000296	109	75 - 125				
Beryllium		0.194	mg/L	E200.8	0.0000288	0.00200	0.2000	0	97.1	75 - 125				
Cadmium		0.190	mg/L	E200.8	0.000193	0.000500	0.2000	0	95.1	75 - 125				
Chromium		0.198	mg/L	E200.8	0.00154	0.00200	0.2000	0	99.0	75 - 125				
Cobalt		0.193	mg/L	E200.8	0.0000434	0.00400	0.2000	0	96.6	75 - 125				
Iron		0.974	mg/L	E200.8	0.0118	0.100	1.000	0.0164	95.7	75 - 125				
Lead		0.182	mg/L	E200.8	0.000264	0.00200	0.2000	0	91.0	75 - 125				
Manganese		0.197	mg/L	E200.8	0.00153	0.00200	0.2000	0	98.6	75 - 125				
Molybdenum		0.208	mg/L	E200.8	0.000206	0.00200	0.2000	0.000859	103	75 - 125				
Nickel		0.192	mg/L	E200.8	0.000754	0.00200	0.2000	0.00187	95.3	75 - 125				
Selenium		0.427	mg/L	E200.8	0.0000634	0.00200	0.2000	0.235	96.3	75 - 125				
Silver		0.181	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000422	90.6	75 - 125				
Thallium		0.180	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000634	89.8	75 - 125				
Tin		1.02	mg/L	E200.8	0.000348	0.00200	1.000	0	102	75 - 125				
Uranium		0.215	mg/L	E200.8	0.0000112	0.00200	0.2000	0.022	96.7	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	07/27/2015 1538h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Zinc		1.02	mg/L	E200.8	0.00476	0.00500	1.000	0	102	75 - 125				
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	08/04/2015 1501h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Copper		0.190	mg/L	E200.8	0.000692	0.00200	0.2000	0	95.2	75 - 125				
Lab Sample ID:	**1507399-007DMS**	Date Analyzed:	07/31/2015 1041h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	07/30/2015 1450h											
Mercury		0.00351	mg/L	E245.1	0.00000892	0.000150	0.003330	0	105	85 - 115				

[2] - 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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	08/04/2015 1341h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Sodium		676	mg/L	E200.7	3.30	100	10.00	660	156	70 - 130	710	4.95	20	*
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	08/06/2015 1033h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Calcium		444	mg/L	E200.7	0.401	10.0	10.00	453	-91.7	70 - 130	451	1.57	20	*
Magnesium		149	mg/L	E200.7	0.294	10.0	10.00	143	63.2	70 - 130	152	1.66	20	*
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	08/06/2015 1042h											
Test Code:	200.7-DIS	Date Prepared:	07/23/2015 1335h											
Potassium		21.5	mg/L	E200.7	0.247	1.00	10.00	10.3	112	70 - 130	21.5	0.313	20	
Vanadium		0.200	mg/L	E200.7	0.00116	0.00500	0.2000	0	100	70 - 130	0.198	1.28	20	
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	07/27/2015 1541h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Arsenic		0.215	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000296	107	75 - 125	0.219	1.70	20	
Beryllium		0.190	mg/L	E200.8	0.0000288	0.00200	0.2000	0	94.8	75 - 125	0.194	2.44	20	
Cadmium		0.185	mg/L	E200.8	0.000193	0.000500	0.2000	0	92.7	75 - 125	0.19	2.61	20	
Chromium		0.194	mg/L	E200.8	0.00154	0.00200	0.2000	0	97.1	75 - 125	0.198	1.95	20	
Cobalt		0.189	mg/L	E200.8	0.0000434	0.00400	0.2000	0	94.6	75 - 125	0.193	2.17	20	
Iron		0.955	mg/L	E200.8	0.0118	0.100	1.000	0.0164	93.8	75 - 125	0.974	2.00	20	
Lead		0.178	mg/L	E200.8	0.000264	0.00200	0.2000	0	89.0	75 - 125	0.182	2.16	20	
Manganese		0.193	mg/L	E200.8	0.00153	0.00200	0.2000	0	96.4	75 - 125	0.197	2.24	20	
Molybdenum		0.201	mg/L	E200.8	0.000206	0.00200	0.2000	0.000859	100	75 - 125	0.208	3.25	20	
Nickel		0.189	mg/L	E200.8	0.000754	0.00200	0.2000	0.00187	93.5	75 - 125	0.192	1.80	20	
Selenium		0.421	mg/L	E200.8	0.0000634	0.00200	0.2000	0.235	93.0	75 - 125	0.427	1.52	20	
Silver		0.176	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000422	88.1	75 - 125	0.181	2.75	20	
Thallium		0.176	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000634	87.7	75 - 125	0.18	2.35	20	
Tin		0.988	mg/L	E200.8	0.000348	0.00200	1.000	0	98.8	75 - 125	1.02	3.22	20	
Uranium		0.210	mg/L	E200.8	0.0000112	0.00200	0.2000	0.022	93.9	75 - 125	0.215	2.67	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	07/27/2015 1541h											
Test Code:	200.8-DIS	Date Prepared:	07/23/2015 1335h											
Zinc		0.996	mg/L	E200.8	0.00476	0.00500	1.000	0	99.6	75 - 125	1.02	2.00	20	
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	08/04/2015 1505h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Copper		0.191	mg/L	E200.8	0.000692	0.00200	0.2000	0	95.4	75 - 125	0.19	0.216	20	
Lab Sample ID:	**1507399-007DMSD**	Date Analyzed:	07/31/2015 1043h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	07/30/2015 1450h											
Mercury		0.00349	mg/L	E245.1	0.00000892	0.000150	0.003330	0	105	85 - 115	0.00351	0.572	20	

[2] - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1507399-004CDUP Date Analyzed: 07/23/2015 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,020	mg/L	SM2540C	12.3	20.0					1010	0.394	5	

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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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS-R81003 Date Analyzed: 07/27/2015 1144h													
Test Code: 300.0-W													
Chloride	5.15	mg/L	E300.0	0.00751	0.100	5.000	0	103	90 - 110				
Fluoride	5.02	mg/L	E300.0	0.00681	0.100	5.000	0	100	90 - 110				
Sulfate	5.05	mg/L	E300.0	0.0211	0.750	5.000	0	101	90 - 110				
Lab Sample ID: LCS-R81021 Date Analyzed: 07/28/2015 933h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	52,000	mg/L	SM2320B	0.504	1.00	50,000	0	104	90 - 110				
Lab Sample ID: LCS-38234 Date Analyzed: 07/29/2015 1544h													
Test Code: NH3-W-350.1 Date Prepared: 07/28/2015 1745h													
Ammonia (as N)	9.75	mg/L	E350.1	0.0226	0.0500	10.00	0	97.5	90 - 110				
Lab Sample ID: LCS-R81212 Date Analyzed: 08/03/2015 1652h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.949	mg/L	E353.2	0.00833	0.0100	1.000	0	94.9	90 - 110				
Lab Sample ID: LCS-R80968 Date Analyzed: 07/23/2015 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	226	mg/L	SM2540C	6.13	10.0	205.0	0	110	80 - 120				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: MB-R81003 Date Analyzed: 07/27/2015 1127h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.00681	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-R81021 Date Analyzed: 07/28/2015 933h													
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.504	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.504	1.00								
Lab Sample ID: MB-38234 Date Analyzed: 07/29/2015 1543h													
Test Code: NH3-W-350.1 Date Prepared: 07/28/2015 1745h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0226	0.0500								
Lab Sample ID: MB-R81212 Date Analyzed: 08/03/2015 1650h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R80968 Date Analyzed: 07/23/2015 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1507399-007BMS**	Date Analyzed:	07/27/2015 1218h											
Test Code:	300.0-W													
Chloride		5,140	mg/L	E300.0	7.51	100	5,000	58.5	102	90 - 110				
Fluoride		4,980	mg/L	E300.0	6.81	100	5,000	0	99.6	90 - 110				
Sulfate		7,990	mg/L	E300.0	21.1	750	5,000	2770	104	90 - 110				
Lab Sample ID:	**1507399-007BMS**	Date Analyzed:	07/28/2015 933h											
Test Code:	ALK-W-2320B-LL													
Alkalinity (as CaCO3)		1,610	mg/L	SM2320B	0.504	1.00	1,300	315	99.3	80 - 120				
Lab Sample ID:	**1507399-007AMS**	Date Analyzed:	07/29/2015 1550h											
Test Code:	NH3-W-350.1	Date Prepared:	07/28/2015 1745h											
Ammonia (as N)		11.3	mg/L	E350.1	0.0226	0.0500	10.00	0	113	90 - 110				1
Lab Sample ID:	**1507399-004AMS**	Date Analyzed:	08/03/2015 1702h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		15.9	mg/L	E353.2	0.0833	0.100	10.00	7.35	85.3	90 - 110				1

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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3440 South 700 West
Salt Lake City, UT 84119
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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1507399-007BMSD	Date Analyzed:	07/27/2015 1235h											
Test Code: 300.0-W													
Chloride	4,980	mg/L	E300.0	7.51	100	5,000	58.5	98.5	90 - 110	5140	3.05	20	
Fluoride	4,820	mg/L	E300.0	6.81	100	5,000	0	96.5	90 - 110	4980	3.15	20	
Sulfate	7,740	mg/L	E300.0	21.1	750	5,000	2770	99.3	90 - 110	7990	3.27	20	
Lab Sample ID: 1507399-007BMSD	Date Analyzed:	07/28/2015 933h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,610	mg/L	SM2320B	0.504	1.00	1,300	315	99.6	80 - 120	1610	0.274	10	
Lab Sample ID: 1507399-007AMSD	Date Analyzed:	07/29/2015 1551h											
Test Code: NH3-W-350.1	Date Prepared:	07/28/2015 1745h											
Ammonia (as N)	11.7	mg/L	E350.1	0.0226	0.0500	10.00	0	117	90 - 110	11.3	4.00	10	1
Lab Sample ID: 1507399-004AMSD	Date Analyzed:	08/03/2015 1703h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.0	mg/L	E353.2	0.0833	0.100	10.00	7.35	86.7	90 - 110	15.9	0.878	10	1

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS VOC-1 072315A Date Analyzed: 07/23/2015 732h													
Test Code: 8260-W-DEN100													
Benzene	21.6	µg/L	SW8260C	0.270	1.00	20.00	0	108	62 - 127				
Chloroform	21.5	µg/L	SW8260C	0.153	1.00	20.00	0	108	67 - 132				
Methylene chloride	22.4	µg/L	SW8260C	0.172	1.00	20.00	0	112	32 - 185				
Naphthalene	18.1	µg/L	SW8260C	0.587	1.00	20.00	0	90.7	28 - 136				
Tetrahydrofuran	16.5	µg/L	SW8260C	0.516	1.00	20.00	0	82.5	43 - 146				
Toluene	21.6	µg/L	SW8260C	0.183	1.00	20.00	0	108	64 - 129				
Xylenes, Total	64.9	µg/L	SW8260C	0.857	1.00	60.00	0	108	52 - 134				
Surr: 1,2-Dichloroethane-d4	51.0	µg/L	SW8260C			50.00		102	76 - 138				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	67 - 128				
Surr: Toluene-d8	50.1	µg/L	SW8260C			50.00		100	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: MB VOC-1 072315A Date Analyzed: 07/23/2015 811h													
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	4.11	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.270	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.587	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.516	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.183	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	50.7	µg/L	SW8260C			50.00		101	76 - 138				
Surr: 4-Bromofluorobenzene	52.2	µg/L	SW8260C			50.00		104	80 - 152				
Surr: Dibromofluoromethane	49.5	µg/L	SW8260C			50.00		99.1	67 - 128				
Surr: Toluene-d8	51.0	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1507399-007EMS	Date Analyzed:	07/23/2015 1452h											
Test Code: 8260-W-DEN100													
Benzene	21.4	µg/L	SW8260C	0.270	1.00	20.00	0	107	66 - 145				
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	50 - 146				
Methylene chloride	19.0	µg/L	SW8260C	0.172	1.00	20.00	0	94.8	30 - 192				
Naphthalene	16.5	µg/L	SW8260C	0.587	1.00	20.00	0	82.6	41 - 131				
Tetrahydrofuran	21.3	µg/L	SW8260C	0.516	1.00	20.00	0	107	43 - 146				
Toluene	21.7	µg/L	SW8260C	0.183	1.00	20.00	0	108	18 - 192				
Xylenes, Total	63.1	µg/L	SW8260C	0.857	1.00	60.00	0	105	42 - 167				
Surr: 1,2-Dichloroethane-d4	51.3	µg/L	SW8260C			50.00		103	72 - 151				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	80 - 124				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.6	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: 1507399
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1507399-007EMSD	Date Analyzed:	07/23/2015 1511h											
Test Code: 8260-W-DEN100													
Benzene	21.2	µg/L	SW8260C	0.270	1.00	20.00	0	106	66 - 145	21.4	0.564	25	
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	50 - 146	21.2	0.142	25	
Methylene chloride	19.1	µg/L	SW8260C	0.172	1.00	20.00	0	95.7	30 - 192	19	0.945	25	
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	85.0	41 - 131	16.5	2.87	25	
Tetrahydrofuran	21.8	µg/L	SW8260C	0.516	1.00	20.00	0	109	43 - 146	21.3	2.32	25	
Toluene	21.2	µg/L	SW8260C	0.183	1.00	20.00	0	106	18 - 192	21.7	1.96	25	
Xylenes, Total	61.7	µg/L	SW8260C	0.857	1.00	60.00	0	103	42 - 167	63.1	2.31	25	
Surr: 1,2-Dichloroethane-d4	50.8	µg/L	SW8260C			50.00		102	72 - 151				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260C			50.00		99.6	80 - 124				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.3	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1507399**

Client: Energy Fuels Resources, Inc.

Due Date: 8/7/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Groundwater 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507399-001A	**MW-05_07212015**	7/21/2015 1010h	7/23/2015 1100h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: U				
				200.8-DIS-PR			df-met	
1507399-002A	**MW-12_07212015**	7/21/2015 1250h	7/23/2015 1100h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df-met	
1507399-003A	**MW-15_07222015**	7/22/2015 1010h	7/23/2015 1100h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df-met	
1507399-004A	**MW-27_07212015**	7/21/2015 1045h	7/23/2015 1100h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1507399-004B				**300.0-W**			DF-cl	
				2 SEL Analytes: CL SO4				
1507399-004C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1507399-005A	**MW-28_07212015**	7/21/2015 1445h	7/23/2015 1100h	**200.7-DIS**	Aqueous		df-met	1
				1 SEL Analytes: V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				2 SEL Analytes: CD U				
				200.8-DIS-PR			df-met	
1507399-005B				**300.0-W**			df-cl	
				1 SEL Analytes: CL				
1507399-006A	**MW-29_07222015**	7/22/2015 1000h	7/23/2015 1100h	**TDS-W-2540C**	Aqueous		df-tds	1
				1 SEL Analytes: TDS				
1507399-007A	**MW-36_07212015**	7/21/2015 1510h	7/23/2015 1100h	**NH3-W-350.1**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NO2/NO3	
				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

Printed: 7/28/2015

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1507399**

Client: Energy Fuels Resources, Inc.

Due Date: 8/7/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507399-007B	**MW-36_07212015**	7/21/2015 1510h	7/23/2015 1100h	**300.0-W**	Aqueous		DF-cl	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-cl	
				2 SEL Analytes: ALKB ALKC				
				IONBALANCE			DF-cl	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1507399-007C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1507399-007D				**200.7-DIS**			DF-Dis Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS			DF-Dis Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1			DF-Dis Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Dis Metals	
1507399-007E				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1507399-008A	**Trip Blank**	7/21/2015	7/23/2015 1100h	**8260-W-DEN100**	Aqueous		vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK____ HOK_____ HOK_____ COC Emailed_____

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Analytical Laboratories
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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.

1507399
AWAL Lab Sample Set #
Page 1 of 2

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

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: 3rd Quarter Groundwater 2015
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:

	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_4 (4500 or 300.0)	Fl (4500 or 300.0)	Dissolved Iron (200.7/200.8)	Dissolved Vanadium (200.7/200.8)	VOCs THF (8260C)	Known Hazards & Sample Comments
1																			
2																			
3																			
4	MW-05_07212015	7/21/2015	1010	1	W					X									
5	MW-12_07212015	7/21/2015	1250	1	W							X							
6	MW-15_07222015	7/22/2015	1010	1	W							X							
7																			
8																			
9																			
10	MW-27_07212015	7/21/2015	1045	6	W	X		X	X					X					
11	MW-28_07212015	7/21/2015	1445	2	W			X		X	X						X		
12	MW_29_07222015	7/22/2015	1000	1	W				x										

Laboratory Use Only

Samples Were: ice
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.6 °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

COC Tape Was:
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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Garrin Palmer	Date: 7/22/15	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1230	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:
Relinquished by: Signature	Date:	Received by: Signature	Date: 7-23-15
Print Name:	Time:	Print Name:	Time: 1100

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
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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.

1507399
AWAL Lab Sample Set #
Page 2 of 2

QC Level:	Turn Around Time:	Due Date:
3	Standard	

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

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: 3rd Quarter Groundwater 2015
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:

	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)	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
1	MW-36_07212015	7/21/2015	1510	7	W	x	x	x	x	x	x	x	x	x	
2	Trip Blank	7/21/2015		3	W									x	
3	Temp Blank			1	w										
4															
5															
6															
7															
8															
9															
10															
11															
12															

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.6 °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

COC Tape Was:
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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Garrin Palmer	7/22/15	Signature	
Print Name: Garrin Palmer	Time: 1230	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:
Relinquished by: Signature	Date:	Received by: Signature: Elma Hayden	Date: 7-23-15
Print Name:	Time:	Print Name: Elma Hayden	Time: 1100

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1507399

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	7												
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes												
NO_2 & NO_3	pH <2 H_2SO_4				Yes		Yes												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

American West
ANALYTICAL LABORATORIES

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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: 3rd Quarter Ground Water 2015

Dear Garrin Palmer: Lab Set ID: 1507505

American West Analytical Laboratories received sample(s) on 7/30/2015 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, Wyoming, 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.

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: Kyle F. Gross — Digitally signed by Kyle F. Gross Date: 2015.08.11 11:43:48 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols Pertinent sampling information is located on the attached COC Confidential Business Information: This report is provided for the exclusive use of the addressee Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2015
Lab Set ID: 1507505
Date Received: 7/30/2015 1014h

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1507505-001A	MW-01_07272015	7/27/2015	1625h	Aqueous	VOA by GC/MS Method 8260C/5030C
1507505-001B	MW-01_07272015	7/27/2015	1625h	Aqueous	Anions, E300.0
1507505-002A	MW-03_07282015	7/28/2015	745h	Aqueous	Anions, E300.0
1507505-002B	MW-03_07282015	7/28/2015	745h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507505-002C	MW-03_07282015	7/28/2015	745h	Aqueous	ICPMS Metals, Dissolved
1507505-003A	MW-03A_07292015	7/29/2015	650h	Aqueous	Anions, E300.0
1507505-003B	MW-03A_07292015	7/29/2015	650h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507505-003C	MW-03A_07292015	7/29/2015	650h	Aqueous	ICPMS Metals, Dissolved
1507505-003D	MW-03A_07292015	7/29/2015	650h	Aqueous	Total Dissolved Solids, A2540C
1507505-004A	MW-18_07272015	7/27/2015	1310h	Aqueous	Anions, E300.0
1507505-004B	MW-18_07272015	7/27/2015	1310h	Aqueous	ICPMS Metals, Dissolved
1507505-004C	MW-18_07272015	7/27/2015	1310h	Aqueous	Total Dissolved Solids, A2540C
1507505-005A	MW-19_07272015	7/27/2015	1530h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507505-006A	MW-24_07292015	7/29/2015	635h	Aqueous	Anions, E300.0
1507505-006B	MW-24_07292015	7/29/2015	635h	Aqueous	ICPMS Metals, Dissolved
1507505-007A	Trip Blank	7/27/2015	1625h	Aqueous	VOA by GC/MS Method 8260C/5030C
1507505-008A	MW-65_07282015	7/28/2015	745h	Aqueous	Anions, E300.0
1507505-008B	MW-65_07282015	7/28/2015	745h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507505-008C	MW-65_07282015	7/28/2015	745h	Aqueous	ICPMS Metals, Dissolved
1507505-009A	MW-32_07232015	7/23/2015	1215h	Aqueous	Anions, E300.0

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Inorganic Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1507505

Sample Receipt Information:

Date of Receipt: 7/30/2015
Dates of Collection: 7/23-7/29/2015
Sample Condition: Intact
C-O-C Discrepancies: See Chain-Of-Custody

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, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1507505-002B	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1507505-006A	Fluoride	MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Groundwater 2015
Lab Set ID:	1507505

Sample Receipt Information:

Date of Receipt:	7/30/2015
Dates of Collection:	7/23-7/29/2015
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-Of-Custody
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: One target analytes was 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.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID:	**LCS-38300**	Date Analyzed:	08/10/2015 1149h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Cadmium		0.195	mg/L	E200.8	0.000193	0.000500	0.2000	0	97.5	85 - 115				
Selenium		0.189	mg/L	E200.8	0.0000634	0.00200	0.2000	0	94.5	85 - 115				
Thallium		0.190	mg/L	E200.8	0.0000242	0.00200	0.2000	0	95.0	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID:	**MB-38300**	Date Analyzed:	08/10/2015 1146h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Cadmium		< 0.000500	mg/L	E200.8	0.000193	0.000500								
Selenium		< 0.00200	mg/L	E200.8	0.0000634	0.00200								
Thallium		< 0.00200	mg/L	E200.8	0.0000242	0.00200								
Lab Sample ID:	**MB-38300**	Date Analyzed:	08/10/2015 1248h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID:	**1507505-002CMS**	Date Analyzed:	08/10/2015 1202h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Cadmium		0.205	mg/L	E200.8	0.000193	0.000500	0.2000	0.0122	96.3	75 - 125				
Selenium		0.260	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0683	96.0	75 - 125				
Thallium		0.183	mg/L	E200.8	0.0000242	0.00200	0.2000	0.00165	90.6	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID:	**1507505-002CMSD**	Date Analyzed:	08/10/2015 1205h											
Test Code:	200.8-DIS	Date Prepared:	08/03/2015 1209h											
Cadmium		0.204	mg/L	E200.8	0.000193	0.000500	0.2000	0.0122	95.9	75 - 125	0.205	0.412	20	
Selenium		0.259	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0683	95.3	75 - 125	0.26	0.534	20	
Thallium		0.182	mg/L	E200.8	0.0000242	0.00200	0.2000	0.00165	90.3	75 - 125	0.183	0.326	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: 1507505-003DDUP Date Analyzed: 07/31/2015 1700h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	5,660	mg/L	SM2540C	12.3	20.0					5660	0.141	5	
Lab Sample ID: 1507505-004CDUP Date Analyzed: 07/31/2015 1700h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,170	mg/L	SM2540C	12.3	20.0					3190	0.755	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: LCS-R81179 Date Analyzed: 07/31/2015 1605h													
Test Code: 300.0-W													
Chloride	5.10	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110				
Fluoride	5.16	mg/L	E300.0	0.00681	0.100	5.000	0	103	90 - 110				
Sulfate	5.19	mg/L	E300.0	0.0211	0.750	5.000	0	104	90 - 110				
Lab Sample ID: LCS NO3 Date Analyzed: 08/08/2015 1010h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.975	mg/L	E353.2	0.00833	0.0100	1.000	0	97.5	90 - 110				
Lab Sample ID: LCS-R81204 Date Analyzed: 07/31/2015 1700h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	222	mg/L	SM2540C	6.13	10.0	205.0	0	108	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: MB-R81179 Date Analyzed: 07/31/2015 1548h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.00681	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB Date Analyzed: 08/08/2015 1008h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R81204 Date Analyzed: 07/31/2015 1700h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: 1507505-002AMS Date Analyzed: 07/31/2015 1639h													
Test Code: 300.0-W													
Chloride	5,080	mg/L	E300.0	7.51	100	5,000	65.1	100	90 - 110				
Fluoride	5,060	mg/L	E300.0	6.81	100	5,000	0	101	90 - 110				
Sulfate	8,560	mg/L	E300.0	21.1	750	5,000	3670	97.7	90 - 110				
Lab Sample ID: 1507505-006AMS Date Analyzed: 07/31/2015 2001h													
Test Code: 300.0-W													
Fluoride	4.90	mg/L	E300.0	0.00681	0.100	5.000	0.388	90.2	90 - 110				
Lab Sample ID: 1507505-002BMS NO3 Date Analyzed: 08/08/2015 1035h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.02	mg/L	E353.2	0.00833	0.0100	1.000	0.406	60.9	90 - 110				1

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: 1507505-002AMSD Date Analyzed: 07/31/2015 1655h													
Test Code: 300.0-W													
Chloride	5,110	mg/L	E300.0	7.51	100	5,000	65.1	101	90 - 110	5080	0.609	20	
Fluoride	5,090	mg/L	E300.0	6.81	100	5,000	0	102	90 - 110	5060	0.605	20	
Sulfate	8,620	mg/L	E300.0	21.1	750	5,000	3670	98.9	90 - 110	8560	0.698	20	
Lab Sample ID: 1507505-006AMSD Date Analyzed: 07/31/2015 2018h													
Test Code: 300.0-W													
Fluoride	4.88	mg/L	E300.0	0.00681	0.100	5.000	0.388	89.9	90 - 110	4.9	0.299	20	[1]
Lab Sample ID: 1507505-002BMSD NO3 Date Analyzed: 08/08/2015 1037h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00833	0.0100	1.000	0.406	62.3	90 - 110	1.02	1.37	10	[1]

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols Pertinent sampling information is located on the attached COC Confidential Business Information: This report is provided for the exclusive use of the addressee Privileges of subsequent use of th ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact This

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: LCS VOC-1 073015A	Date Analyzed:	07/30/2015 758h											
Test Code: 8260-W-DEN100													
Tetrahydrofuran	17.4	µg/L	SW8260C	0.516	1.00	20.00	0	86.9	43 - 146				
Surr: 1,2-Dichloroethane-d4	51.8	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	48.9	µg/L	SW8260C			50.00		97.9	80 - 152				
Surr: Dibromofluoromethane	50.5	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.4	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: MB VOC-1 073015A	Date Analyzed:	07/30/2015 837h											
Test Code: 8260-W-DEN100													
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.516	1.00								
Surr: 1,2-Dichloroethane-d4	52.0	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	51.7	µg/L	SW8260C			50.00		103	80 - 152				
Surr: Dibromofluoromethane	48.8	µg/L	SW8260C			50.00		97.7	67 - 128				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.4	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: 1507505-001AMS	Date Analyzed:	07/30/2015 1550h											
Test Code: 8260-W-DEN100													
Tetrahydrofuran	21.1	µg/L	SW8260C	0.516	1.00	20.00	2.71	92.0	43 - 146				
Surr: 1,2-Dichloroethane-d4	52.7	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260C			50.00		98.7	80 - 152				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	80 - 124				
Surr: Toluene-d8	49.5	µg/L	SW8260C			50.00		99.0	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: 1507505
Project: 3rd Quarter Ground Water 2015

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
Lab Sample ID: 1507505-001AMSD	Date Analyzed:	07/30/2015 1610h											
Test Code: 8260-W-DEN100													
Tetrahydrofuran	23.5	µg/L	SW8260C	0.516	1.00	20.00	2.71	104	43 - 146	21.1	10.8	25	
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	49.2	µg/L	SW8260C			50.00		98.5	80 - 152				
Surr: Dibromofluoromethane	49.8	µg/L	SW8260C			50.00		99.6	80 - 124				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.1	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1507505**

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Ground Water 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507505-001A	**MW-01_07272015**	7/27/2015 1625h	7/30/2015 1014h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 1 / # of Surr: 4				
1507505-001B				**300.0-W**			df - wc	1
				1 SEL Analytes: SO4				
1507505-002A	**MW-03_07282015**	7/28/2015 0745h	7/30/2015 1014h	**300.0-W**	Aqueous		DF-SO4	1
				2 SEL Analytes: F SO4				
1507505-002B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1507505-002C				**200.8-DIS**			DF-Metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Metals	
1507505-003A	**MW-03A_07292015**	7/29/2015 0650h	7/30/2015 1014h	**300.0-W**	Aqueous		DF-SO4	1
				1 SEL Analytes: SO4				
1507505-003B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1507505-003C				**200.8-DIS**			DF-Metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Metals	
1507505-003D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1507505-004A	**MW-18_07272015**	7/27/2015 1310h	7/30/2015 1014h	**300.0-W**	Aqueous		DF-SO4	1
				1 SEL Analytes: SO4				
1507505-004B				**200.8-DIS**			DF-Metals	
				1 SEL Analytes: TL				
				200.8-DIS-PR			DF-Metals	
1507505-004C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1507505-005A	**MW-19_07272015**	7/27/2015 1530h	7/30/2015 1014h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				

Printed: 7/30/2015 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 7/30/15

WORK ORDER Summary

Work Order: **1507505**

Client: Energy Fuels Resources, Inc.

Due Date: 8/13/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507505-006A	**MW-24_07292015**	7/29/2015 0635h	7/30/2015 1014h	**300.0-W**	Aqueous		DF-SO4	1
				2 SEL Analytes: F SO4				
1507505-006B				**200.8-DIS**			DF-Metals	
				2 SEL Analytes: CD TL				
				200.8-DIS-PR			DF-Metals	
1507505-007A	**Trip Blank**	7/27/2015 1625h	7/30/2015 1014h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 1 / # of Surr: 4				
1507505-008A	**MW-65_07282015**	7/28/2015 0745h	7/30/2015 1014h	**300.0-W**	Aqueous		DF-SO4	1
				2 SEL Analytes: F SO4				
1507505-008B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1507505-008C				**200.8-DIS**			DF-Metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Metals	
1507505-009A	**MW-32_07232015**	7/23/2015 1215h	7/30/2015 1014h	**300.0-W**	Aqueous		df-cl	1
				1 SEL Analytes: CL				

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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.

1507505
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

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: 3RD QUARTER GROUND WATER 2015
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:

	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_4 (4500 or 300.0)	Fl (4500 or 300.0)	Dissolved Iron (200.7/200.8)	Dissolved Vanadium (200.7/200.8)	VOCs THF (8260C)	Known Hazards & Sample Comments
1	MW-01_07272015	7/27/2015	1625	4	W									X				X	
2	MW-03_07282015	7/28/2015	745	3	W	X						X		X	X				
3	MW-03A_07292015	7/29/2015	650	4	W	X			X			X		X					
4																			
5																			
6																			
7	MW-18_07272015	7/27/2015	1310	3	W				X				X	X					
8	MW-19_07272015	7/27/2015	1530	1	W	X													
9	MW-24_07292015	7/29/2015	635	2	W						X		X	X	X				
10																			
11	TRIP BLANK	7/27/2015	1625															X	
12	MW-65_07282015	7/28/2015	745	3	W	X						X		X	X				
	MW-32_07232015	7/23/2015	1215	1	W			X											

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °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

COC Tape Was:
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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 7/29/2015	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1200	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:
Relinquished by: Signature	Date:	Received by: Signature: Denise Brown	Date: 7/30/15
Print Name:	Time:	Print Name: Denise Brown	Time: 10:14

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1507505

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	2	3	4	5	6	8												
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes		Yes	Yes												
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes		Yes		Yes												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

American West
ANALYTICAL LABORATORIES

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Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 3rd Quarter Groundwater 2015

Dear Garrin Palmer: Lab Set ID: 1508249

American West Analytical Laboratories received sample(s) on 8/13/2015 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, Wyoming, 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.

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, email=jose@awal-labs.com, c=US Date: 2015.08.28 14:26:21 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1508249
Date Received: 8/13/2015 1015h

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1508249-001A	MW-11_08102015	8/10/2015	1545h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-001B	MW-11_08102015	8/10/2015	1545h	Aqueous	Anions, E300.0
1508249-001B	MW-11_08102015	8/10/2015	1545h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-001C	MW-11_08102015	8/10/2015	1545h	Aqueous	Total Dissolved Solids, A2540C
1508249-001D	MW-11_08102015	8/10/2015	1545h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-001D	MW-11_08102015	8/10/2015	1545h	Aqueous	Ammonia, Aqueous
1508249-001E	MW-11_08102015	8/10/2015	1545h	Aqueous	Ion Balance
1508249-001E	MW-11_08102015	8/10/2015	1545h	Aqueous	ICP Metals, Dissolved
1508249-001E	MW-11_08102015	8/10/2015	1545h	Aqueous	ICPMS Metals, Dissolved
1508249-001E	MW-11_08102015	8/10/2015	1545h	Aqueous	Mercury, Drinking Water Dissolved
1508249-002A	MW-14_08112015	8/11/2015	1000h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-002B	MW-14_08112015	8/11/2015	1000h	Aqueous	Anions, E300.0
1508249-002B	MW-14_08112015	8/11/2015	1000h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-002C	MW-14_08112015	8/11/2015	1000h	Aqueous	Total Dissolved Solids, A2540C
1508249-002D	MW-14_08112015	8/11/2015	1000h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-002D	MW-14_08112015	8/11/2015	1000h	Aqueous	Ammonia, Aqueous
1508249-002E	MW-14_08112015	8/11/2015	1000h	Aqueous	Ion Balance
1508249-002E	MW-14_08112015	8/11/2015	1000h	Aqueous	ICP Metals, Dissolved
1508249-002E	MW-14_08112015	8/11/2015	1000h	Aqueous	ICPMS Metals, Dissolved
1508249-002E	MW-14_08112015	8/11/2015	1000h	Aqueous	Mercury, Drinking Water Dissolved
1508249-003A	MW-25_08102015	8/10/2015	1100h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-003B	MW-25_08102015	8/10/2015	1100h	Aqueous	Anions, E300.0
1508249-003B	MW-25_08102015	8/10/2015	1100h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-003C	MW-25_08102015	8/10/2015	1100h	Aqueous	Total Dissolved Solids, A2540C
1508249-003D	MW-25_08102015	8/10/2015	1100h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-003D	MW-25_08102015	8/10/2015	1100h	Aqueous	Ammonia, Aqueous
1508249-003E	MW-25_08102015	8/10/2015	1100h	Aqueous	Ion Balance
1508249-003E	MW-25_08102015	8/10/2015	1100h	Aqueous	ICP Metals, Dissolved
1508249-003E	MW-25_08102015	8/10/2015	1100h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1508249
Date Received: 8/13/2015 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1508249-003E	MW-25_08102015	8/10/2015	1100h	Aqueous	Mercury, Drinking Water Dissolved
1508249-004A	MW-26_08102015	8/10/2015	1505h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-004B	MW-26_08102015	8/10/2015	1505h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-004B	MW-26_08102015	8/10/2015	1505h	Aqueous	Anions, E300.0
1508249-004C	MW-26_08102015	8/10/2015	1505h	Aqueous	Total Dissolved Solids, A2540C
1508249-004D	MW-26_08102015	8/10/2015	1505h	Aqueous	Ammonia, Aqueous
1508249-004D	MW-26_08102015	8/10/2015	1505h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-004E	MW-26_08102015	8/10/2015	1505h	Aqueous	Ion Balance
1508249-004E	MW-26_08102015	8/10/2015	1505h	Aqueous	ICP Metals, Dissolved
1508249-004E	MW-26_08102015	8/10/2015	1505h	Aqueous	ICPMS Metals, Dissolved
1508249-004E	MW-26_08102015	8/10/2015	1505h	Aqueous	Mercury, Drinking Water Dissolved
1508249-005A	MW-30_08112015	8/11/2015	1105h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-005B	MW-30_08112015	8/11/2015	1105h	Aqueous	Anions, E300.0
1508249-005B	MW-30_08112015	8/11/2015	1105h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-005C	MW-30_08112015	8/11/2015	1105h	Aqueous	Total Dissolved Solids, A2540C
1508249-005D	MW-30_08112015	8/11/2015	1105h	Aqueous	Ammonia, Aqueous
1508249-005D	MW-30_08112015	8/11/2015	1105h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-005E	MW-30_08112015	8/11/2015	1105h	Aqueous	Ion Balance
1508249-005E	MW-30_08112015	8/11/2015	1105h	Aqueous	ICP Metals, Dissolved
1508249-005E	MW-30_08112015	8/11/2015	1105h	Aqueous	ICPMS Metals, Dissolved
1508249-005E	MW-30_08112015	8/11/2015	1105h	Aqueous	Mercury, Drinking Water Dissolved
1508249-006A	MW-31_08102015	8/10/2015	1300h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-006B	MW-31_08102015	8/10/2015	1300h	Aqueous	Anions, E300.0
1508249-006B	MW-31_08102015	8/10/2015	1300h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-006C	MW-31_08102015	8/10/2015	1300h	Aqueous	Total Dissolved Solids, A2540C
1508249-006D	MW-31_08102015	8/10/2015	1300h	Aqueous	Ammonia, Aqueous
1508249-006D	MW-31_08102015	8/10/2015	1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-006E	MW-31_08102015	8/10/2015	1300h	Aqueous	Mercury, Drinking Water Dissolved
1508249-006E	MW-31_08102015	8/10/2015	1300h	Aqueous	ICPMS Metals, Dissolved
1508249-006E	MW-31_08102015	8/10/2015	1300h	Aqueous	Ion Balance

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Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1508249
Date Received: 8/13/2015 1015h

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Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1508249-006E	MW-31_08102015	8/10/2015	1300h	Aqueous	ICP Metals, Dissolved
1508249-007A	MW-35_08102015	8/10/2015	1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-007B	MW-35_08102015	8/10/2015	1440h	Aqueous	Anions, E300.0
1508249-007B	MW-35_08102015	8/10/2015	1440h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-007C	MW-35_08102015	8/10/2015	1440h	Aqueous	Total Dissolved Solids, A2540C
1508249-007D	MW-35_08102015	8/10/2015	1440h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-007D	MW-35_08102015	8/10/2015	1440h	Aqueous	Ammonia, Aqueous
1508249-007E	MW-35_08102015	8/10/2015	1440h	Aqueous	ICP Metals, Dissolved
1508249-007E	MW-35_08102015	8/10/2015	1440h	Aqueous	ICPMS Metals, Dissolved
1508249-007E	MW-35_08102015	8/10/2015	1440h	Aqueous	Mercury, Drinking Water Dissolved
1508249-007E	MW-35_08102015	8/10/2015	1440h	Aqueous	Ion Balance
1508249-008A	MW-37_08112015	8/11/2015	930h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-008B	MW-37_08112015	8/11/2015	930h	Aqueous	Anions, E300.0
1508249-008B	MW-37_08112015	8/11/2015	930h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-008C	MW-37_08112015	8/11/2015	930h	Aqueous	Total Dissolved Solids, A2540C
1508249-008D	MW-37_08112015	8/11/2015	930h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-008D	MW-37_08112015	8/11/2015	930h	Aqueous	Ammonia, Aqueous
1508249-008E	MW-37_08112015	8/11/2015	930h	Aqueous	ICPMS Metals, Dissolved
1508249-008E	MW-37_08112015	8/11/2015	930h	Aqueous	Mercury, Drinking Water Dissolved
1508249-008E	MW-37_08112015	8/11/2015	930h	Aqueous	ICP Metals, Dissolved
1508249-008E	MW-37_08112015	8/11/2015	930h	Aqueous	Ion Balance
1508249-009A	MW-70_08102015	8/10/2015	1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1508249-009B	MW-70_08102015	8/10/2015	1440h	Aqueous	Anions, E300.0
1508249-009B	MW-70_08102015	8/10/2015	1440h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1508249-009C	MW-70_08102015	8/10/2015	1440h	Aqueous	Total Dissolved Solids, A2540C
1508249-009D	MW-70_08102015	8/10/2015	1440h	Aqueous	Nitrite/Nitrate (as N), E353.2
1508249-009D	MW-70_08102015	8/10/2015	1440h	Aqueous	Ammonia, Aqueous
1508249-009E	MW-70_08102015	8/10/2015	1440h	Aqueous	Ion Balance
1508249-009E	MW-70_08102015	8/10/2015	1440h	Aqueous	ICP Metals, Dissolved
1508249-009E	MW-70_08102015	8/10/2015	1440h	Aqueous	ICPMS Metals, Dissolved
1508249-009E	MW-70_08102015	8/10/2015	1440h	Aqueous	Mercury, Drinking Water Dissolved

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Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1508249
Date Received: 8/13/2015 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1508249-010A	Trip Blank	8/10/2015	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Groundwater 2015
Lab Set ID: 1508249

Sample Receipt Information:

Date of Receipt: 8/13/2015
Dates of Collection: 8/10-8/11/2015
Sample Condition: Intact
C-O-C Discrepancies: See Chain-Of-Custody

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, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1508249-009D	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1508249-001E	Sodium	MS	High analyte concentration
1508249-001E	Silver	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

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Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Groundwater 2015
Lab Set ID:	1508249

Sample Receipt Information:

Date of Receipt:	8/13/2015
Dates of Collection:	8/10-8/11/2015
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-Of-Custody
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes was 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.

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS-38530	Date Analyzed:	08/19/2015 1638h											
Test Code: 200.7-DIS	Date Prepared:	08/13/2015 1328h											
Calcium	9.60	mg/L	E200.7	0.0401	1.00	10.00	0	96.0	85 - 115				
Magnesium	9.71	mg/L	E200.7	0.0294	1.00	10.00	0	97.1	85 - 115				
Potassium	10.0	mg/L	E200.7	0.247	1.00	10.00	0	100	85 - 115				
Sodium	9.68	mg/L	E200.7	0.0330	1.00	10.00	0	96.8	85 - 115				
Vanadium	0.188	mg/L	E200.7	0.00116	0.00500	0.2000	0	93.9	85 - 115				
Lab Sample ID: LCS-38531	Date Analyzed:	08/26/2015 2209h											
Test Code: 200.8-DIS	Date Prepared:	08/13/2015 1328h											
Arsenic	0.200	mg/L	E200.8	0.0000920	0.00200	0.2000	0	100	85 - 115				
Beryllium	0.203	mg/L	E200.8	0.0000288	0.00200	0.2000	0	102	85 - 115				
Cadmium	0.197	mg/L	E200.8	0.000193	0.000500	0.2000	0	98.6	85 - 115				
Chromium	0.188	mg/L	E200.8	0.00154	0.00200	0.2000	0	94.1	85 - 115				
Cobalt	0.186	mg/L	E200.8	0.0000434	0.00400	0.2000	0	92.8	85 - 115				
Copper	0.189	mg/L	E200.8	0.000692	0.00200	0.2000	0	94.6	85 - 115				
Iron	0.930	mg/L	E200.8	0.0118	0.100	1.000	0	93.0	85 - 115				
Lead	0.191	mg/L	E200.8	0.000264	0.00200	0.2000	0	95.7	85 - 115				
Manganese	0.190	mg/L	E200.8	0.00153	0.00200	0.2000	0	95.1	85 - 115				
Molybdenum	0.194	mg/L	E200.8	0.000206	0.00200	0.2000	0	97.0	85 - 115				
Nickel	0.185	mg/L	E200.8	0.000754	0.00200	0.2000	0	92.4	85 - 115				
Selenium	0.203	mg/L	E200.8	0.0000634	0.00200	0.2000	0	101	85 - 115				
Silver	0.192	mg/L	E200.8	0.0000244	0.00200	0.2000	0	95.8	85 - 115				
Thallium	0.188	mg/L	E200.8	0.0000242	0.00200	0.2000	0	94.1	85 - 115				
Tin	0.977	mg/L	E200.8	0.000348	0.00200	1.000	0	97.7	85 - 115				
Uranium	0.196	mg/L	E200.8	0.0000112	0.00200	0.2000	0	97.8	85 - 115				
Zinc	0.980	mg/L	E200.8	0.00476	0.00500	1.000	0	98.0	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**LCS-38571**	Date Analyzed:	08/19/2015 1204h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/14/2015 1325h											
Mercury		0.00342	mg/L	E245.1	0.00000892	0.000150	0.003330	0	103	85 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**MB-38530**	Date Analyzed:	08/19/2015 1636h											
Test Code:	200.7-DIS	Date Prepared:	08/13/2015 1328h											
Calcium		< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium		< 1.00	mg/L	E200.7	0.247	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0330	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.00116	0.00500								
Lab Sample ID:	**MB-38531**	Date Analyzed:	08/26/2015 2205h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Arsenic		< 0.00200	mg/L	E200.8	0.0000920	0.00200								
Cadmium		< 0.000500	mg/L	E200.8	0.000193	0.000500								
Chromium		< 0.00200	mg/L	E200.8	0.00154	0.00200								
Cobalt		< 0.00400	mg/L	E200.8	0.0000434	0.00400								
Copper		< 0.00200	mg/L	E200.8	0.000692	0.00200								
Manganese		< 0.00200	mg/L	E200.8	0.00153	0.00200								
Molybdenum		< 0.00200	mg/L	E200.8	0.000206	0.00200								
Nickel		< 0.00200	mg/L	E200.8	0.000754	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.0000634	0.00200								
Silver		< 0.00200	mg/L	E200.8	0.0000244	0.00200								
Tin		< 0.00200	mg/L	E200.8	0.000348	0.00200								
Lab Sample ID:	**MB-38531**	Date Analyzed:	08/26/2015 2314h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Beryllium		< 0.000500	mg/L	E200.8	0.00000720	0.000500								
Iron		< 0.0250	mg/L	E200.8	0.00296	0.0250								
Lead		< 0.000500	mg/L	E200.8	0.0000660	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**MB-38531**	Date Analyzed:	08/27/2015 1358h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Zinc		< 0.00500	mg/L	E200.8	0.00476	0.00500								
Lab Sample ID:	**MB-38531**	Date Analyzed:	08/27/2015 1522h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Uranium		< 0.000200	mg/L	E200.8	0.00000112	0.000200								
Lab Sample ID:	**MB-38571**	Date Analyzed:	08/19/2015 1203h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/14/2015 1325h											
Mercury		< 0.000150	mg/L	E245.1	0.00000892	0.000150								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1508249-001EMS**	Date Analyzed:	08/19/2015 1649h											
Test Code:	200.7-DIS	Date Prepared:	08/13/2015 1328h											
Calcium		78.8	mg/L	E200.7	2.00	50.0	10.00	69.7	91.8	70 - 130				
Sodium		557	mg/L	E200.7	1.65	50.0	10.00	554	22.0	70 - 130				2
Lab Sample ID:	**1508249-001EMS**	Date Analyzed:	08/19/2015 1748h											
Test Code:	200.7-DIS	Date Prepared:	08/13/2015 1328h											
Magnesium		30.6	mg/L	E200.7	0.0294	1.00	10.00	21	96.6	70 - 130				
Potassium		17.1	mg/L	E200.7	0.247	1.00	10.00	6.83	103	70 - 130				
Vanadium		0.189	mg/L	E200.7	0.00116	0.00500	0.2000	0	94.7	70 - 130				
Lab Sample ID:	**1508249-001EMS**	Date Analyzed:	08/26/2015 2222h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Arsenic		0.203	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000283	101	75 - 125				
Beryllium		0.195	mg/L	E200.8	0.0000288	0.00200	0.2000	0	97.6	75 - 125				
Cadmium		0.192	mg/L	E200.8	0.000193	0.000500	0.2000	0	95.9	75 - 125				
Chromium		0.182	mg/L	E200.8	0.00154	0.00200	0.2000	0	90.9	75 - 125				
Cobalt		0.178	mg/L	E200.8	0.0000434	0.00400	0.2000	0.000346	89.0	75 - 125				
Copper		0.179	mg/L	E200.8	0.000692	0.00200	0.2000	0	89.3	75 - 125				
Iron		0.947	mg/L	E200.8	0.0118	0.100	1.000	0.0542	89.3	75 - 125				
Lead		0.185	mg/L	E200.8	0.000264	0.00200	0.2000	0	92.5	75 - 125				
Manganese		0.317	mg/L	E200.8	0.00153	0.00200	0.2000	0.138	89.8	75 - 125				
Molybdenum		0.203	mg/L	E200.8	0.000206	0.00200	0.2000	0.00249	100	75 - 125				
Nickel		0.178	mg/L	E200.8	0.000754	0.00200	0.2000	0	89.1	75 - 125				
Selenium		0.197	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0000785	98.4	75 - 125				
Silver		0.134	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000854	67.2	75 - 125				
Thallium		0.181	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000069	90.6	75 - 125				
Tin		0.998	mg/L	E200.8	0.000348	0.00200	1.000	0	99.8	75 - 125				
Uranium		0.193	mg/L	E200.8	0.0000112	0.00200	0.2000	0.000767	96.3	75 - 125				
Zinc		0.970	mg/L	E200.8	0.00476	0.00500	1.000	0.0144	95.5	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: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1508249-001EMS**	Date Analyzed:	08/19/2015 1238h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/14/2015 1325h											
Mercury		0.00346	mg/L	E245.1	0.00000892	0.000150	0.003330	0	104	85 - 115				

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*
[2] - *Analyte concentration is too high for accurate matrix spike recovery and/or RPD.*

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1508249-001EMSD**	Date Analyzed:	08/19/2015 1652h											
Test Code:	200.7-DIS	Date Prepared:	08/13/2015 1328h											
Calcium		79.5	mg/L	E200.7	2.00	50.0	10.00	69.7	98.4	70 - 130	78.8	0.838	20	
Sodium		564	mg/L	E200.7	1.65	50.0	10.00	554	100	70 - 130	557	1.39	20	
Lab Sample ID:	**1508249-001EMSD**	Date Analyzed:	08/19/2015 1750h											
Test Code:	200.7-DIS	Date Prepared:	08/13/2015 1328h											
Magnesium		30.6	mg/L	E200.7	0.0294	1.00	10.00	21	96.4	70 - 130	30.6	0.0743	20	
Potassium		17.2	mg/L	E200.7	0.247	1.00	10.00	6.83	104	70 - 130	17.1	0.397	20	
Vanadium		0.187	mg/L	E200.7	0.00116	0.00500	0.2000	0	93.3	70 - 130	0.189	1.42	20	
Lab Sample ID:	**1508249-001EMSD**	Date Analyzed:	08/26/2015 2225h											
Test Code:	200.8-DIS	Date Prepared:	08/13/2015 1328h											
Arsenic		0.204	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000283	102	75 - 125	0.203	0.278	20	
Beryllium		0.194	mg/L	E200.8	0.0000288	0.00200	0.2000	0	96.9	75 - 125	0.195	0.682	20	
Cadmium		0.192	mg/L	E200.8	0.000193	0.000500	0.2000	0	96.1	75 - 125	0.192	0.210	20	
Chromium		0.181	mg/L	E200.8	0.00154	0.00200	0.2000	0	90.3	75 - 125	0.182	0.664	20	
Cobalt		0.179	mg/L	E200.8	0.0000434	0.00400	0.2000	0.000346	89.3	75 - 125	0.178	0.269	20	
Copper		0.180	mg/L	E200.8	0.000692	0.00200	0.2000	0	90.2	75 - 125	0.179	1.03	20	
Iron		0.949	mg/L	E200.8	0.0118	0.100	1.000	0.0542	89.5	75 - 125	0.947	0.232	20	
Lead		0.185	mg/L	E200.8	0.000264	0.00200	0.2000	0	92.6	75 - 125	0.185	0.0983	20	
Manganese		0.317	mg/L	E200.8	0.00153	0.00200	0.2000	0.138	89.6	75 - 125	0.317	0.178	20	
Molybdenum		0.203	mg/L	E200.8	0.000206	0.00200	0.2000	0.00249	100	75 - 125	0.203	0.137	20	
Nickel		0.180	mg/L	E200.8	0.000754	0.00200	0.2000	0	89.8	75 - 125	0.178	0.787	20	
Selenium		0.201	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0000785	100	75 - 125	0.197	1.92	20	
Silver		0.141	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000854	70.3	75 - 125	0.134	4.54	20	
Thallium		0.181	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000069	90.6	75 - 125	0.181	0.0350	20	
Tin		0.995	mg/L	E200.8	0.000348	0.00200	1.000	0	99.5	75 - 125	0.998	0.353	20	
Uranium		0.194	mg/L	E200.8	0.0000112	0.00200	0.2000	0.000767	96.5	75 - 125	0.193	0.169	20	
Zinc		0.974	mg/L	E200.8	0.00476	0.00500	1.000	0.0144	95.9	75 - 125	0.97	0.428	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: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1508249-001EMSD**	Date Analyzed:	08/19/2015 1240h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/14/2015 1325h											
Mercury		0.00345	mg/L	E245.1	0.00000892	0.000150	0.003330	0	104	85 - 115	0.00346	0.338	20	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1508249-001CDUP Date Analyzed: 08/13/2015 1245h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,900	mg/L	SM2540C	12.3	20.0					1960	3.11	5	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS-R82091 Date Analyzed: 08/24/2015 1359h													
Test Code: 300.0-W													
Chloride	5.10	mg/L	E300.0	0.00751	0.100	5.000	0	102	90 - 110				
Fluoride	5.03	mg/L	E300.0	0.00681	0.100	5.000	0	101	90 - 110				
Sulfate	4.95	mg/L	E300.0	0.0211	0.750	5.000	0	98.9	90 - 110				
Lab Sample ID: LCS-R81639 Date Analyzed: 08/14/2015 1104h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,300	mg/L	SM2320B	0.504	1.00	50,000	0	98.7	90 - 110				
Lab Sample ID: LCS-38745 Date Analyzed: 08/21/2015 2216h													
Test Code: NH3-W-350.1 Date Prepared: 08/21/2015 1300h													
Ammonia (as N)	10.4	mg/L	E350.1	0.0226	0.0500	10.00	0	104	90 - 110				
Lab Sample ID: LCS-R82165 Date Analyzed: 08/25/2015 1838h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0	101	90 - 110				
Lab Sample ID: LCS-R81652 Date Analyzed: 08/13/2015 1245h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	196	mg/L	SM2540C	6.13	10.0	205.0	0	95.6	80 - 120				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: MB-R82091 Date Analyzed: 08/24/2015 1342h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.00681	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-R81639 Date Analyzed: 08/14/2015 1104h													
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.504	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.504	1.00								
Lab Sample ID: MB-38745 Date Analyzed: 08/21/2015 2215h													
Test Code: NH3-W-350.1 Date Prepared: 08/21/2015 1300h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0226	0.0500								
Lab Sample ID: MB-R82165 Date Analyzed: 08/25/2015 1837h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R81652 Date Analyzed: 08/13/2015 1245h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID:	**1508249-001BMS**	Date Analyzed:	08/24/2015 1433h											
Test Code:	300.0-W													
Chloride		5,020	mg/L	E300.0	7.51	100	5,000	37.3	99.7	90 - 110				
Fluoride		5,110	mg/L	E300.0	6.81	100	5,000	0	102	90 - 110				
Sulfate		6,040	mg/L	E300.0	21.1	750	5,000	1050	99.8	90 - 110				
Lab Sample ID:	**1508249-005BMS**	Date Analyzed:	08/24/2015 1902h											
Test Code:	300.0-W													
Chloride		653	mg/L	E300.0	0.751	10.0	500.0	165	97.7	90 - 110				
Fluoride		507	mg/L	E300.0	0.681	10.0	500.0	0	101	90 - 110				
Sulfate		1,190	mg/L	E300.0	2.11	75.0	500.0	718	93.9	90 - 110				
Lab Sample ID:	**1508249-002BMS**	Date Analyzed:	08/24/2015 2134h											
Test Code:	300.0-W													
Chloride		68.4	mg/L	E300.0	0.0751	1.00	50.00	19.7	97.5	90 - 110				
Fluoride		51.1	mg/L	E300.0	0.0681	1.00	50.00	0	102	90 - 110				
Lab Sample ID:	**1508249-001BMS**	Date Analyzed:	08/14/2015 1104h											
Test Code:	ALK-W-2320B-LL													
Alkalinity (as CaCO3)		1,550	mg/L	SM2320B	0.504	1.00	1,200	330	102	80 - 120				
Lab Sample ID:	**1508249-001DMS**	Date Analyzed:	08/21/2015 2250h											
Test Code:	NH3-W-350.1	Date Prepared:	08/21/2015 1300h											
Ammonia (as N)		11.7	mg/L	E350.1	0.0226	0.0500	10.00	0.731	110	90 - 110				
Lab Sample ID:	**1508249-009DMS**	Date Analyzed:	08/25/2015 1908h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		1.27	mg/L	E353.2	0.00833	0.0100	1.000	0.941	32.6	90 - 110				[1]

[1] - *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: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1508249-001BMSD	Date Analyzed:	08/24/2015 1450h											
Test Code: 300.0-W													
Chloride	5,010	mg/L	E300.0	7.51	100	5,000	37.3	99.5	90 - 110	5020	0.142	20	
Fluoride	5,100	mg/L	E300.0	6.81	100	5,000	0	102	90 - 110	5110	0.163	20	
Sulfate	6,140	mg/L	E300.0	21.1	750	5,000	1050	102	90 - 110	6040	1.64	20	
Lab Sample ID: 1508249-005BMSD	Date Analyzed:	08/24/2015 1919h											
Test Code: 300.0-W													
Chloride	654	mg/L	E300.0	0.751	10.0	500.0	165	97.9	90 - 110	653	0.104	20	
Fluoride	507	mg/L	E300.0	0.681	10.0	500.0	0	101	90 - 110	507	0.0920	20	
Sulfate	1,190	mg/L	E300.0	2.11	75.0	500.0	718	93.7	90 - 110	1190	0.0768	20	
Lab Sample ID: 1508249-002BMSD	Date Analyzed:	08/24/2015 2151h											
Test Code: 300.0-W													
Chloride	68.2	mg/L	E300.0	0.0751	1.00	50.00	19.7	97.0	90 - 110	68.4	0.368	20	
Fluoride	50.9	mg/L	E300.0	0.0681	1.00	50.00	0	102	90 - 110	51.1	0.378	20	
Lab Sample ID: 1508249-001BMSD	Date Analyzed:	08/14/2015 1104h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	1,560	mg/L	SM2320B	0.504	1.00	1,200	330	102	80 - 120	1550	0.270	10	
Lab Sample ID: 1508249-001DMSD	Date Analyzed:	08/21/2015 2251h											
Test Code: NH3-W-350.1	Date Prepared:	08/21/2015 1300h											
Ammonia (as N)	11.5	mg/L	E350.1	0.0226	0.0500	10.00	0.731	107	90 - 110	11.7	2.33	10	
Lab Sample ID: 1508249-009DMSD	Date Analyzed:	08/25/2015 1909h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.28	mg/L	E353.2	0.00833	0.0100	1.000	0.941	34.1	90 - 110	1.27	1.18	10	[1]

[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: LCS VOC-2 081415A Date Analyzed: 08/14/2015 732h													
Test Code: 8260-W-DEN100													
Benzene	19.6	µg/L	SW8260C	0.270	1.00	20.00	0	97.9	62 - 127				
Chloroform	18.2	µg/L	SW8260C	0.153	1.00	20.00	0	91.1	67 - 132				
Methylene chloride	15.9	µg/L	SW8260C	0.172	1.00	20.00	0	79.4	32 - 185				
Naphthalene	21.8	µg/L	SW8260C	0.587	1.00	20.00	0	109	28 - 136				
Tetrahydrofuran	15.5	µg/L	SW8260C	0.516	1.00	20.00	0	77.4	43 - 146				
Toluene	21.0	µg/L	SW8260C	0.183	1.00	20.00	0	105	64 - 129				
Xylenes, Total	64.6	µg/L	SW8260C	0.857	1.00	60.00	0	108	52 - 134				
Surr: 1,2-Dichloroethane-d4	44.8	µg/L	SW8260C			50.00		89.6	76 - 138				
Surr: 4-Bromofluorobenzene	50.5	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	50.5	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	52.6	µg/L	SW8260C			50.00		105	81 - 135				
Lab Sample ID: LCS VOC-2 081415B Date Analyzed: 08/14/2015 1526h													
Test Code: 8260-W-DEN100													
Benzene	21.9	µg/L	SW8260C	0.270	1.00	20.00	0	110	62 - 127				
Chloroform	19.9	µg/L	SW8260C	0.153	1.00	20.00	0	99.4	67 - 132				
Methylene chloride	17.4	µg/L	SW8260C	0.172	1.00	20.00	0	87.0	32 - 185				
Naphthalene	23.8	µg/L	SW8260C	0.587	1.00	20.00	0	119	28 - 136				
Tetrahydrofuran	16.1	µg/L	SW8260C	0.516	1.00	20.00	0	80.3	43 - 146				
Toluene	23.5	µg/L	SW8260C	0.183	1.00	20.00	0	118	64 - 129				
Xylenes, Total	71.5	µg/L	SW8260C	0.857	1.00	60.00	0	119	52 - 134				
Surr: 1,2-Dichloroethane-d4	44.2	µg/L	SW8260C			50.00		88.4	76 - 138				
Surr: 4-Bromofluorobenzene	50.6	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	48.8	µg/L	SW8260C			50.00		97.7	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
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: MB VOC-2 081415A Date Analyzed: 08/14/2015 811h													
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	4.11	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.270	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.587	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.516	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.183	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	42.2	µg/L	SW8260C			50.00		84.4	76 - 138				
Surr: 4-Bromofluorobenzene	48.6	µg/L	SW8260C			50.00		97.2	80 - 152				
Surr: Dibromofluoromethane	43.4	µg/L	SW8260C			50.00		86.9	67 - 128				
Surr: Toluene-d8	51.2	µg/L	SW8260C			50.00		102	81 - 135				
Lab Sample ID: MB VOC-2 081415B Date Analyzed: 08/14/2015 1606h													
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	4.11	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.270	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.587	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.516	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.183	1.00								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: MB VOC-2 081415B	Date Analyzed:	08/14/2015 1606h											
Test Code: 8260-W-DEN100													
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	43.0	µg/L	SW8260C			50.00		86.1	76 - 138				
Surr: 4-Bromofluorobenzene	52.0	µg/L	SW8260C			50.00		104	80 - 152				
Surr: Dibromofluoromethane	42.7	µg/L	SW8260C			50.00		85.3	67 - 128				
Surr: Toluene-d8	54.4	µg/L	SW8260C			50.00		109	81 - 135				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1508249-001AMS	Date Analyzed:	08/14/2015 1148h											
Test Code: 8260-W-DEN100													
Benzene	19.6	µg/L	SW8260C	0.270	1.00	20.00	0	98.0	66 - 145				
Chloroform	17.6	µg/L	SW8260C	0.153	1.00	20.00	0	88.2	50 - 146				
Methylene chloride	15.5	µg/L	SW8260C	0.172	1.00	20.00	0	77.4	30 - 192				
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	85.0	41 - 131				
Tetrahydrofuran	16.7	µg/L	SW8260C	0.516	1.00	20.00	0	83.5	43 - 146				
Toluene	20.5	µg/L	SW8260C	0.183	1.00	20.00	0	103	18 - 192				
Xylenes, Total	60.0	µg/L	SW8260C	0.857	1.00	60.00	0	100	42 - 167				
Surr: 1,2-Dichloroethane-d4	44.0	µg/L	SW8260C			50.00		87.9	72 - 151				
Surr: 4-Bromofluorobenzene	48.9	µg/L	SW8260C			50.00		97.8	80 - 152				
Surr: Dibromofluoromethane	48.5	µg/L	SW8260C			50.00		96.9	80 - 124				
Surr: Toluene-d8	51.8	µg/L	SW8260C			50.00		104	77 - 129				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1508249
Project: 3rd Quarter Groundwater 2015

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
Lab Sample ID: 1508249-001AMSD	Date Analyzed:	08/14/2015 1207h											
Test Code: 8260-W-DEN100													
Benzene	20.0	µg/L	SW8260C	0.270	1.00	20.00	0	100	66 - 145	19.6	2.22	25	
Chloroform	18.1	µg/L	SW8260C	0.153	1.00	20.00	0	90.5	50 - 146	17.7	2.52	25	
Methylene chloride	16.0	µg/L	SW8260C	0.172	1.00	20.00	0	80.2	30 - 192	15.5	3.62	25	
Naphthalene	18.4	µg/L	SW8260C	0.587	1.00	20.00	0	91.9	41 - 131	17	7.74	25	
Tetrahydrofuran	17.5	µg/L	SW8260C	0.516	1.00	20.00	0	87.4	43 - 146	16.7	4.51	25	
Toluene	21.0	µg/L	SW8260C	0.183	1.00	20.00	0	105	18 - 192	20.5	2.22	25	
Xylenes, Total	61.5	µg/L	SW8260C	0.857	1.00	60.00	0	103	42 - 167	60	2.47	25	
Surr: 1,2-Dichloroethane-d4	44.3	µg/L	SW8260C			50.00		88.6	72 - 151				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	48.4	µg/L	SW8260C			50.00		96.9	80 - 124				
Surr: Toluene-d8	52.0	µg/L	SW8260C			50.00		104	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Groundwater 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. 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	
1508249-001A	**MW-11_08102015**	8/10/2015 1545h	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1508249-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1508249-001C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1508249-001D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1508249-001E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1508249-002A	**MW-14_08112015**	8/11/2015 1000h	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1508249-002B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				

Printed: 8/19/2015

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WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-002C	**MW-14_08112015**	8/11/2015 1000h	8/13/2015 1015h	**TDS-W-2540C** *1 SEL Analytes: TDS*	Aqueous		ww - tds	1
1508249-002D				**NH3-W-350.1** *1 SEL Analytes: NH3N*			df - no2/no3 & nh3	
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			df - no2/no3 & nh3	
1508249-002E				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-met	
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-met	
				HG-DW-DIS-PR			df-met	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-met	
1508249-003A	**MW-25_08102015**	8/10/2015 1100h	8/13/2015 1015h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*	Aqueous		VOCFridge	3
1508249-003B				**300.0-W** *3 SEL Analytes: CL F SO4*			df - wc	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df - wc	
1508249-003C				**TDS-W-2540C** *1 SEL Analytes: TDS*			ww - tds	
1508249-003D				**NH3-W-350.1** *1 SEL Analytes: NH3N*			df - no2/no3 & nh3	
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			df - no2/no3 & nh3	
1508249-003E				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-met	
				200.8-DIS-PR			df-met	

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WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-003E	**MW-25_08102015**	8/10/2015 1100h	8/13/2015 1015h	**HG-DW-DIS-245.1** *1 SEL Analytes: HG*	Aqueous		df-met	1
				HG-DW-DIS-PR			df-met	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-met	
1508249-004A	**MW-26_08102015**	8/10/2015 1505h	8/13/2015 1015h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*	Aqueous		VOCFridge	3
1508249-004B				**300.0-W** *3 SEL Analytes: CL F SO4*			df - wc	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df - wc	
1508249-004C				**TDS-W-2540C** *1 SEL Analytes: TDS*			ww - tds	
1508249-004D				**NH3-W-350.1** *1 SEL Analytes: NH3N*			df - no2/no3 & nh3	
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			df - no2/no3 & nh3	
1508249-004E				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-met	
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-met	
				HG-DW-DIS-PR			df-met	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-met	
1508249-005A	**MW-30_08112015**	8/11/2015 1105h	8/13/2015 1015h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*	Aqueous		VOCFridge	3
1508249-005B				**300.0-W** *3 SEL Analytes: CL F SO4*			df - wc	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df - wc	
1508249-005C				**TDS-W-2540C** *1 SEL Analytes: TDS*			ww - tds	

WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-005D	**MW-30_08112015**	8/11/2015 1105h	8/13/2015 1015h	**NH3-W-350.1**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1508249-005E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1508249-006A	**MW-31_08102015**	8/10/2015 1300h	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1508249-006B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1508249-006C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1508249-006D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1508249-006E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-006E	**MW-31_08102015**	8/10/2015 1300h	8/13/2015 1015h	**HG-DW-DIS-PR**	Aqueous		df-met	1
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1508249-007A	**MW-35_08102015**	8/10/2015 1440h	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1508249-007B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1508249-007C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1508249-007D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1508249-007E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1508249-008A	**MW-37_08112015**	8/11/2015 0930h	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1508249-008B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1508249-008C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1508249-008D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-008D	**MW-37_08112015**	8/11/2015 0930h	8/13/2015 1015h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous		df - no2/no3 & nh3	1
1508249-008E				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-met	
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-met	
				HG-DW-DIS-PR			df-met	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-met	
1508249-009A	**MW-70_08102015**	8/10/2015 1440h	8/13/2015 1015h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*	Aqueous		VOCFridge	3
1508249-009B				**300.0-W** *3 SEL Analytes: CL F SO4*			df - wc	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df - wc	
1508249-009C				**TDS-W-2540C** *1 SEL Analytes: TDS*			ww - tds	
1508249-009D				**NH3-W-350.1** *1 SEL Analytes: NH3N*			df - no2/no3 & nh3	
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			df - no2/no3 & nh3	
1508249-009E				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-met	
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-met	
				HG-DW-DIS-PR			df-met	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-met	

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1508249**

Client: Energy Fuels Resources, Inc.

Due Date: 8/27/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1508249-010A	**Trip Blank**	8/10/2015	8/13/2015 1015h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

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.

1508249
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

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: 3rd Quarter Groundwater 2015
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:

	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)	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
1	MW-11_08102015	8/10/2015	1300 *	7	W	X	X	X	X	X	X	X	X	X	X *Sample recds 15:45
2	MW-14_08112015	8/11/2015	1000	7	W	X	X	X	X	X	X	X	X	X	X ↑ this is correct per Kathy Weinel JB 8/14/15
3	MW-25_08102015	8/10/2015	1100	7	W	X	X	X	X	X	X	X	X	X	X
4	MW-26_08102015	8/10/2015	1505	7	W	X	X	X	X	X	X	X	X	X	X
5	MW-30_08112015	8/11/2015	1105	7	W	X	X	X	X	X	X	X	X	X	X
6	MW-31_08102015	8/10/2015	1300	7	W	X	X	X	X	X	X	X	X	X	X
7	MW-35_08102015	8/10/2015	1440	7	W	X	X	X	X	X	X	X	X	X	X
8	MW-37_08112015	8/11/2015	930	7	W	X	X	X	X	X	X	X	X	X	X
9	MW-70_08102015	8/10/2015	1440	7	W	X	X	X	X	X	X	X	X	X	X
10	Trip Blank	8/10/2015		3	W										X
11	Temp Blank	8/12/2015		1	W										
12															

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.1 °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

COC Tape Was:
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

Discrepancies Between Sample Labels and COC Record? Y N
#1 collection time

Relinquished by: Signature	Date:	Received by: Signature	Date:
Tanner Holliday	8/12/2015	Denise Brown	8/13/15
Print Name: Tanner Holliday	Time: 1230	Print Name: Denise Brown	Time: 10:15
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.

Lab Set ID: 1508249

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008	-009									
Ammonia	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes									
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes	yes	yes	yes	yes	yes									
NO_2 & NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes									
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

GEL 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

gel.com

August 20, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 378370

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2015. 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. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 378370

August 20, 2015

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 July 31, 2015 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:

Laboratory ID	Client ID
378370001	MW-36_07212015
378370002	MW-32_07232015
378370003	MW-27_07212015

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.

Julie Robinson

Julie Robinson
Project Manager

378370

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2015	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-36_07212015	7/21/2015	1510	Gross Alpha
MW-32_07232015	7/23/2015	1215	Gross Alpha
MW-27_07212015	7/21/2015	1045	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	7/29/2015 1200	Zac Wash	7/31/15 9:30
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 378370
Received By: ZKW	Date Received: 7/31/15

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		23°C Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130416291eb
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples (EPA 6850) have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
8	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
9	Samples received within holding time?	✓			ID's and tests affected:
10	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
11	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
12	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
13	Are sample containers identifiable as GEL provided?	✓			
14	COC form is properly signed in relinquished/received sections?	✓			
15	Carrier and tracking number.	✓			Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 02 9712 3110

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials LHF Date 07/31/15 Page 1 of 1 GL-CHL-SR-001 Rev 1

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 378370 3rd Quarter GW 2015
Client SDG: 378370
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 28-AUG-15
Package Due Date: 25-AUG-15
EDD Due Date: 28-AUG-15
Due Date: 28-AUG-15
AXD4

Collector: C
Prelogin #: 20150429171
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
378370001	MW-36_07212015		21-JUL-15 15:10	31-JUL-15 09:30	-2	1	GROUND WATER		20		1		
378370002	MW-32_07232015		23-JUL-15 12:15	31-JUL-15 09:30	-2	1	GROUND WATER		20		1		
378370003	MW-27_07212015		21-JUL-15 10:45	31-JUL-15 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-36_07212015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-002 MW-32_07232015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-003 MW-27_07212015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
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

	Action	Product Name	Description	Samples
Contingent Tests				

GEL Laboratories LLC - Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 378370

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1499098

Sample ID	Client ID
378370001	MW-36_07212015
378370002	MW-32_07232015
378370003	MW-27_07212015
1203370761	Method Blank (MB)
1203370765	Laboratory Control Sample (LCS)
1203370762	378370003(MW-27_07212015) Sample Duplicate (DUP)
1203370763	378370003(MW-27_07212015) Matrix Spike (MS)
1203370764	378370003(MW-27_07212015) Matrix Spike Duplicate (MSD)

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: 378370003 (MW-27_07212015).

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
None of the samples in this sample set were recounted.

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, 1203370763 (MW-27_07212015MS) and 1203370764 (MW-27_07212015MSD), 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: 378370 GEL Work Order: 378370

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: 24 AUG 2015 **Title: Analyst I**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: August 24, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **378370**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1499098											
QC1203370762 378370003 DUP											
Gross Radium Alpha	U	0.430	U	0.614	pCi/L	N/A			N/A AXM6	08/17/15	16:5
	Uncertainty	+/-0.251		+/-0.195							
QC1203370765 LCS											
Gross Radium Alpha	413			439	pCi/L		106	(75%-125%)		08/17/15	16:5
	Uncertainty			+/-4.33							
QC1203370761 MB											
Gross Radium Alpha			U	-0.228	pCi/L					08/17/15	16:5
	Uncertainty			+/-0.150							
QC1203370763 378370003 MS											
Gross Radium Alpha	1670 U	0.430		1560	pCi/L		93.3	(75%-125%)		08/17/15	16:5
	Uncertainty	+/-0.251		+/-16.7							
QC1203370764 378370003 MSD											
Gross Radium Alpha	1670 U	0.430		1650	pCi/L	6.02	99.1	(0%-20%)		08/17/15	16:5
	Uncertainty	+/-0.251		+/-16.9							

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: **378370**

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 or %RPD not applicable.
^ 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.

GEL 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

gel.com

September 10, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 379372

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 14, 2015. 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. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 379372

September 10, 2015

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 August 14, 2015 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:

Laboratory ID	Client ID
379372001	MW-11_08102015
379372002	MW-14_08112015
379372003	MW-25_08102015
379372005	MW-30_08112015
379372006	MW-31_08102015
379372007	MW-35_08102015
379372008	MW-37_08112015
379372009	MW-70_08102015

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.

Julie Robinson

Julie Robinson
Project Manager

Sheet 1 of 1

379372

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2015	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11_08102015	8/10/2015	1300	Gross Alpha
MW-14_08112015	8/11/2015	1000	Gross Alpha
MW-25_08102015	8/10/2015	1100	Gross Alpha
MW-26_08102015	8/10/2015	1505	Gross Alpha
MW-30_08112015	8/11/2015	1105	Gross Alpha
MW-31_08102015	8/10/2015	1300	Gross Alpha
MW-35_08102015	8/10/2015	1440	Gross Alpha
MW-37_08112015	8/11/2015	930	Gross Alpha
MW-70_08102015	8/10/2015	1440	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	8/12/2015 1200	B. Luthman	8-14-15 0905
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 379372
Received By: Brielle Luthman	Date Received: 8/14/15 0905

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): Ø
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) 12° *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E50320158 35
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Sample ID's, containers affected and observed pH: MW-26-08102015 received unpreserved, per client analysis will be cancelled and re-collected If Preservation added, Lot#:
6	Do Low Level Perchlorate samples (EPA 6850) have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
8	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
9	Samples received within holding time?	✓			ID's and tests affected:
10	Sample ID's on COC match ID's on bottles?			✓	Sample ID's and containers affected: MW-11-08102015 labeled MW-11-08112014
11	Date & time on COC match date & time on bottles?			✓	Sample ID's affected: time on MW-11-08102015 is 1545
12	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
13	Are sample containers identifiable as GEL provided?	✓			
14	COC form is properly signed in relinquished/received sections?	✓			
15	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 12 187 Y4Y 12 9110 6836

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials AZD Date 8/17/15 Page 1 of 1

GL-CHL-SR-001 Rev 1

Subject: RE: 3rd Quarter GW Samples - Please Advise
From: Kathy Weinel <KWeinel@energyfuels.com>
Date: 8/14/2015 12:00 PM
To: Anna Claire Day <Anna.Day@gel.com>
CC: team.robinson <team.robinson@gel.com>, Garrin Palmer <GPalmer@energyfuels.com>, David Turk <DTurk@energyfuels.com>

Anna Claire,

Sorry for the confusion....

The FSID for MW-11 is : MW-11_08102015

As far as MW-26 (MW26_08102015) please cancel the analysis on that sample – we will recollect it – UDEQ does not accept samples with inadequate preservation – so the sample is null and void. We will recollect next week.

Thanks
So much for your diligence!

K

Energy Fuels Resources (USA) Inc.

Kathy Weinel
Quality Assurance Manager

t: 303.389.4134 | f: 303.389.4125
225 Union Blvd., Suite 600
Lakewood, CO 80228

http://www.energyfuels.com

This e-mail is intended for the exclusive use of person(s) mentioned as the recipient(s). This message and any attached files with it are confidential and may contain privileged or proprietary information. If you are not the intended recipient(s) please delete this message and notify the sender. You may not use, distribute print or copy this message if you are not the intended recipient(s).

From: Anna Claire Day [mailto:Anna.Day@gel.com]
Sent: Friday, August 14, 2015 9:52 AM
To: Kathy Weinel
Cc: team.robinson
Subject: 3rd Quarter GW Samples - Please Advise

Kathy,

We received your 3rd Quarter GW samples today. Sample MW26_08102015 was received unpreserved. Would you like us to preserve it to a pH of 2 or less?

Also, sample MW-11_08102015 is labeled as MW-11_08102014 on container, and the time on the container is 1545 (the Chain says 1300). Can you confirm the sample ID and collection time?

Thank you,

--

Anna Claire Day
Project Manager
GEL Laboratories, LLC
2040 Savage Road
Charleston, SC (USA) 29407
Direct: 843.852.5814
Main: 843.556.8171 x4707
Fax: 843.766.1178
E-mail: team.day@gel.com
Web: www.gel.com

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GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 379372 3rd Quarter GW 2015
Client SDG: 379372
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 14-SEP-15
Package Due Date: 11-SEP-15
EDD Due Date: 14-SEP-15
Due Date: 14-SEP-15
AXD4

Collector: C
Prelogin #: 20150429171
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
379372001	MW-11_08102015		10-AUG-15 13:00	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372002	MW-14_08112015		11-AUG-15 10:00	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372003	MW-25_08102015		10-AUG-15 11:00	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372004	MW-26_08102015		10-AUG-15 15:05	14-AUG-15 09:05	-2	0	GROUND WATER		20		1		
379372005	MW-30_08112015		11-AUG-15 11:05	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372006	MW-31_08102015		10-AUG-15 13:00	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372007	MW-35_08102015		10-AUG-15 14:40	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372008	MW-37_08112015		11-AUG-15 09:30	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		
379372009	MW-70_08102015		10-AUG-15 14:40	14-AUG-15 09:05	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-11_08102015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-002 MW-14_08112015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-003 MW-25_08102015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-004 MW-26_08102015						Temperature (C)	12	
-005 MW-30_08112015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-006 MW-31_08102015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-007 MW-35_08102015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-008 MW-37_08112015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	
-009 MW-70_08102015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	12	

GEL Laboratories LLC – Login Review Report

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 005, 006, 007, 008, 009
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 379372

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1504220

Sample ID	Client ID
379372001	MW-11_08102015
379372002	MW-14_08112015
379372003	MW-25_08102015
379372005	MW-30_08112015
379372006	MW-31_08102015
379372007	MW-35_08102015
379372008	MW-37_08112015
379372009	MW-70_08102015
1203384353	Method Blank (MB)
1203384357	Laboratory Control Sample (LCS)
1203384354	379372009(MW-70_08102015) Sample Duplicate (DUP)
1203384355	379372009(MW-70_08102015) Matrix Spike (MS)
1203384356	379372009(MW-70_08102015) Matrix Spike Duplicate (MSD)

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: 379372009 (MW-70_08102015).

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: The matrix spike and matrix spike duplicate, 1203384355 (MW-70_08102015MS) and 1203384356 (MW-70_08102015MSD), did not meet the relative percent difference requirement; however, they do meet the recovery requirement.

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 1203384353 (MB) was recounted due to a suspected blank false positive. 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, 1203384355 (MW-70_08102015MS) and 1203384356 (MW-70_08102015MSD), 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: 379372 GEL Work Order: 379372

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: Heather M. McCarty **Name:** **Heather McCarty**

Date: **11 SEP 2015** **Title:** **Analyst II**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: September 11, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **379372**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1504220										
QC1203384354 379372009 DUP										
Gross Radium Alpha		3.69		2.75	pCi/L	29.3		(0% - 100%)	AXM6	09/08/15 16:52
	Uncertainty	+/-0.554		+/-0.472						
QC1203384357 LCS										
Gross Radium Alpha	413			319	pCi/L		77.4	(75%-125%)		09/08/15 16:52
	Uncertainty			+/-5.80						
QC1203384353 MB										
Gross Radium Alpha			U	-0.317	pCi/L					09/10/15 12:10
	Uncertainty			+/-0.165						
QC1203384355 379372009 MS										
Gross Radium Alpha	1670	3.69		1990	pCi/L		119	(75%-125%)		09/08/15 16:52
	Uncertainty	+/-0.554		+/-29.8						
QC1203384356 379372009 MSD										
Gross Radium Alpha	1670	3.69		1460	pCi/L	30.8*	87.2	(0%-20%)		09/08/15 16:52
	Uncertainty	+/-0.554		+/-24.9						

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

QC Summary

Workorder: 379372

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 or %RPD not applicable.
^ 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.

GEL 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

gel.com

September 10, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 379499

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 18, 2015. 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. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 379499

September 10, 2015

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 August 18, 2015 for analysis. The sample was 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 sample:

Laboratory ID	Client ID
379499001	MW-26_08172015

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.

Julie Robinson

Julie Robinson
Project Manager

379499

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2015	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-26_08172015	8/17/2015	810	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	8/17/2015 1200	[illegible]	8/18/15 9:00
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 379499 379499
Received By: ZKW	Date Received: 8/18/15

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) 23°C *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462964
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples (EPA 6850) have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
8	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
9	Samples received within holding time?	✓			ID's and tests affected:
10	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
11	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
12	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
13	Are sample containers identifiable as GEL provided?	✓			
14	COC form is properly signed in relinquished/received sections?	✓			
15	Carrier and tracking number.	✓			Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9899 4215

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 8/18/15 Page 1 of 1 GL-CHL-SR-001 Rev 1

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 379499 3rd Quarter GW 2015
Client SDG: 379499
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 16-SEP-15
Package Due Date: 13-SEP-15
EDD Due Date: 16-SEP-15
Due Date: 16-SEP-15
JAR1

Collector: C
Prelogin #: 20150429171
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
379499001	MW-26_08172015		17-AUG-15 08:10	18-AUG-15 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-26_08172015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	23	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 379499

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1504220

Sample ID	Client ID
379499001	MW-26_08172015
1203384353	Method Blank (MB)
1203384357	Laboratory Control Sample (LCS)
1203384354	379372009(MW-70_08102015) Sample Duplicate (DUP)
1203384355	379372009(MW-70_08102015) Matrix Spike (MS)
1203384356	379372009(MW-70_08102015) Matrix Spike Duplicate (MSD)

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: 379372009 (MW-70_08102015).

QC Information

All of the QC samples meet the required acceptance limits with the following exceptions: The matrix spike and matrix spike duplicate, 1203384355 (MW-70_08102015MS) and 1203384356 (MW-70_08102015MSD), did not meet the relative percent difference requirement; however, they do meet the recovery requirement.

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 1203384353 (MB) was recounted due to a suspected blank false positive. 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, 1203384355 (MW-70_08102015MS) and 1203384356 (MW-70_08102015MSD), 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

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Qualifier Definition Report
for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 379499 GEL Work Order: 379499

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: Heather M. McCarty **Name: Heather McCarty**

Date: 14 SEP 2015 **Title: Analyst II**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: September 14, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **379499**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1504220											
QC1203384354 379372009 DUP											
Gross Radium Alpha		3.69		2.75	pCi/L	29.3		(0% - 100%)	AXM6	09/08/15	16:52
	Uncertainty	+/-0.554		+/-0.472							
QC1203384357 LCS											
Gross Radium Alpha	413			319	pCi/L		77.4	(75%-125%)		09/08/15	16:52
	Uncertainty			+/-5.80							
QC1203384353 MB											
Gross Radium Alpha			U	-0.317	pCi/L					09/10/15	12:10
	Uncertainty			+/-0.165							
QC1203384355 379372009 MS											
Gross Radium Alpha	1670	3.69		1990	pCi/L		119	(75%-125%)		09/08/15	16:52
	Uncertainty	+/-0.554		+/-29.8							
QC1203384356 379372009 MSD											
Gross Radium Alpha	1670	3.69		1460	pCi/L	30.8*	87.2	(0%-20%)		09/08/15	16:52
	Uncertainty	+/-0.554		+/-24.9							

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

QC Summary

Workorder: 379499

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 or %RPD not applicable.
^ 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

July 2015

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-001
Client Sample ID: MW-11_07072015
Collection Date: 7/7/2015 1110h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/10/2015 1054h	7/13/2015 1656h	E200.8	0.0100	**0.178**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-002
Client Sample ID: MW-25_07062015
Collection Date: 7/6/2015 1405h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	7/10/2015 1054h	7/13/2015 1712h	E200.8	0.000500	**0.00143**	
Uranium	mg/L	7/10/2015 1054h	7/13/2015 1758h	E200.8	0.000300	**0.00625**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-003
Client Sample ID: MW-26_07072015
Collection Date: 7/7/2015 1450h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	7/10/2015 1054h	7/13/2015 1801h	E200.8	0.000300	**0.0721**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-003
Client Sample ID: MW-26_07072015
Collection Date: 7/7/2015 1450h
Received Date: 7/9/2015 1600h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/20/2015 2256h	E300.0	10.0	**67.4**	
Nitrate/Nitrite (as N)	mg/L		7/15/2015 1429h	E353.2	1.00	**1.15**	

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ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-003D
Client Sample ID: MW-26_07072015
Collection Date: 7/7/2015 1450h
Received Date: 7/9/2015 1600h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/10/2015 1304h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**2,560**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	4,980	5,000	99.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,360	5,000	107	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,020	5,000	100	80-124	
Surr: Toluene-d8	2037-26-5	5,100	5,000	102	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 7/10/2015 1422h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**11.4**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.8	50.00	97.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.6	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.2	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-004
Client Sample ID: MW-30_07072015
Collection Date: 7/7/2015 1000h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/10/2015 1054h	7/13/2015 1716h	E200.8	0.00500	**0.0392**	
Uranium	mg/L	7/10/2015 1054h	7/13/2015 1805h	E200.8	0.000300	**0.00798**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-004
Client Sample ID: MW-30_07072015
Collection Date: 7/7/2015 1000h
Received Date: 7/9/2015 1600h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	7/21/2015 1253h	7/21/2015 1631h	E350.1	0.0500	**0.0692**	[1]
Chloride	mg/L		7/20/2015 2347h	E300.0	100	**145**	
Nitrate/Nitrite (as N)	mg/L		7/15/2015 1438h	E353.2	1.00	**15.3**	

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-005
Client Sample ID: MW-31_07062015
Collection Date: 7/6/2015 1610h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/10/2015 1054h	7/13/2015 1719h	E200.8	0.00500	**0.0782**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-005
Client Sample ID: MW-31_07062015
Collection Date: 7/6/2015 1610h
Received Date: 7/9/2015 1600h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/21/2015 004h	E300.0	100	**222**	
Nitrate/Nitrite (as N)	mg/L		7/15/2015 1439h	E353.2	2.00	**18.8**	
Sulfate	mg/L		7/21/2015 004h	E300.0	100	**684**	
Total Dissolved Solids	mg/L		7/10/2015 1015h	SM2540C	20.0	**1,440**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-006
Client Sample ID: MW-35_07072015
Collection Date: 7/7/2015 1315h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/10/2015 1054h	7/13/2015 1732h	E200.8	0.0100	**0.185**	
Selenium	mg/L	7/10/2015 1054h	7/13/2015 1732h	E200.8	0.00500	**0.0261**	
Thallium	mg/L	7/10/2015 1054h	7/13/2015 1752h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	7/10/2015 1054h	7/13/2015 1808h	E200.8	0.000300	**0.0220**	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 29, 2015

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_07072015	Project:	DNMI00100
Sample ID:	376891001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-JUL-15 13:15		
Receive Date:	10-JUL-15		
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		4.93	+/-0.380	0.605	1.00	pCi/L		AXM6	07/23/15	1155	1493984	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"			98.2	(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. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-007
Client Sample ID: MW-65_07072015
Collection Date: 7/7/2015 1110h
Received Date: 7/9/2015 1600h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/10/2015 1054h	7/13/2015 1735h	E200.8	0.0100	**0.176**	

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QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Sample ID: 1507150-008A
Client Sample ID: Trip Blank
Collection Date: 7/7/2015
Received Date: 7/9/2015 1600h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/10/2015 1244h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.5	50.00	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.8	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

American West
ANALYTICAL LABORATORIES

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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: July Monthly Groundwater 2015

Dear Garrin Palmer: Lab Set ID: 1507150

American West Analytical Laboratories received sample(s) on 7/9/2015 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, Wyoming, 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.

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: Kyle F. Gross — Digitally signed by Kyle F. Gross Date: 2015.07.22 11:52:18 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Set ID: 1507150
Date Received: 7/9/2015 1600h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1507150-001A	MW-11_07072015	7/7/2015	1110h	Aqueous	ICPMS Metals, Dissolved
1507150-002A	MW-25_07062015	7/6/2015	1405h	Aqueous	ICPMS Metals, Dissolved
1507150-003A	MW-26_07072015	7/7/2015	1450h	Aqueous	ICPMS Metals, Dissolved
1507150-003B	MW-26_07072015	7/7/2015	1450h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507150-003C	MW-26_07072015	7/7/2015	1450h	Aqueous	Anions, E300.0
1507150-003D	MW-26_07072015	7/7/2015	1450h	Aqueous	VOA by GC/MS Method 8260C/5030C
1507150-004A	MW-30_07072015	7/7/2015	1000h	Aqueous	ICPMS Metals, Dissolved
1507150-004B	MW-30_07072015	7/7/2015	1000h	Aqueous	Ammonia, Aqueous
1507150-004B	MW-30_07072015	7/7/2015	1000h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507150-004C	MW-30_07072015	7/7/2015	1000h	Aqueous	Anions, E300.0
1507150-005A	MW-31_07062015	7/6/2015	1610h	Aqueous	ICPMS Metals, Dissolved
1507150-005B	MW-31_07062015	7/6/2015	1610h	Aqueous	Nitrite/Nitrate (as N), E353.2
1507150-005C	MW-31_07062015	7/6/2015	1610h	Aqueous	Anions, E300.0
1507150-005D	MW-31_07062015	7/6/2015	1610h	Aqueous	Total Dissolved Solids, A2540C
1507150-006A	MW-35_07072015	7/7/2015	1315h	Aqueous	ICPMS Metals, Dissolved
1507150-007A	MW-65_07072015	7/7/2015	1110h	Aqueous	ICPMS Metals, Dissolved
1507150-008A	Trip Blank	7/7/2015		Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: July Monthly Groundwater 2015
Lab Set ID: 1507150

Sample Receipt Information:

Date of Receipt: 7/9/2015
Date of Collection: 7/6-7/9/2015
Sample Condition: Intact
C-O-C Discrepancies: See Chain-Of-Custody

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, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1507150-004B	Ammonia	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	July Monthly Groundwater 2015
Lab Set ID:	1507150

Sample Receipt Information:

Date of Receipt:	7/9/2015
Date of Collection:	7/6-7/9/2015
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-Of-Custody
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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**LCS-37960**	Date Analyzed:	07/13/2015 1653h											
Test Code:	200.8-DIS	Date Prepared:	07/10/2015 1054h											
Cadmium		0.194	mg/L	E200.8	0.000193	0.000500	0.2000	0	97.1	85 - 115				
Manganese		0.200	mg/L	E200.8	0.00153	0.00200	0.2000	0	99.8	85 - 115				
Selenium		0.196	mg/L	E200.8	0.0000634	0.00200	0.2000	0	98.1	85 - 115				
Thallium		0.191	mg/L	E200.8	0.0000242	0.00200	0.2000	0	95.5	85 - 115				
Uranium		0.198	mg/L	E200.8	0.0000112	0.00200	0.2000	0	98.9	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: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**MB-37960**	Date Analyzed:	07/13/2015 1748h											
Test Code:	200.8-DIS	Date Prepared:	07/10/2015 1054h											
Cadmium		< 0.000125	mg/L	E200.8	0.0000484	0.000125								
Manganese		< 0.000500	mg/L	E200.8	0.000382	0.000500								
Selenium		< 0.000500	mg/L	E200.8	0.0000158	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								
Lab Sample ID:	**MB-37960**	Date Analyzed:	07/13/2015 1755h											
Test Code:	200.8-DIS	Date Prepared:	07/10/2015 1054h											
Uranium		< 0.000200	mg/L	E200.8	0.00000112	0.000200								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**1507150-001AMS**	Date Analyzed:	07/13/2015 1706h											
Test Code:	200.8-DIS	Date Prepared:	07/10/2015 1054h											
Cadmium		0.195	mg/L	E200.8	0.000193	0.000500	0.2000	0.000241	97.1	75 - 125				
Manganese		0.373	mg/L	E200.8	0.00153	0.00200	0.2000	0.178	97.1	75 - 125				
Selenium		0.197	mg/L	E200.8	0.0000634	0.00200	0.2000	0.000373	98.2	75 - 125				
Thallium		0.188	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000268	93.8	75 - 125				
Uranium		0.198	mg/L	E200.8	0.0000112	0.00200	0.2000	0.00115	98.5	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: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**1507150-001AMSD**	Date Analyzed:	07/13/2015 1709h											
Test Code:	200.8-DIS	Date Prepared:	07/10/2015 1054h											
Cadmium		0.196	mg/L	E200.8	0.000193	0.000500	0.2000	0.000241	97.7	75 - 125	0.195	0.616	20	
Manganese		0.377	mg/L	E200.8	0.00153	0.00200	0.2000	0.178	99.2	75 - 125	0.373	1.10	20	
Selenium		0.199	mg/L	E200.8	0.0000634	0.00200	0.2000	0.000373	99.4	75 - 125	0.197	1.29	20	
Thallium		0.189	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000268	94.2	75 - 125	0.188	0.431	20	
Uranium		0.201	mg/L	E200.8	0.0000112	0.00200	0.2000	0.00115	99.8	75 - 125	0.198	1.29	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: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: 1507150-005DDUP Date Analyzed: 07/10/2015 1015h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,480	mg/L	SM2540C	12.3	20.0					1440	3.29	5	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**LCS-R80807**	Date Analyzed:	07/20/2015 2008h											
Test Code:	300.0-W													
Chloride		5.17	mg/L	E300.0	0.00751	0.100	5.000	0	103	90 - 110				
Sulfate		5.03	mg/L	E300.0	0.0211	0.750	5.000	0	101	90 - 110				
Lab Sample ID:	**LCS-38136**	Date Analyzed:	07/21/2015 1626h											
Test Code:	NH3-W-350.1	Date Prepared:	07/21/2015 1253h											
Ammonia (as N)		9.21	mg/L	E350.1	0.0226	0.0500	10.00	0	92.1	90 - 110				
Lab Sample ID:	**LCS-R80662**	Date Analyzed:	07/15/2015 1421h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		0.961	mg/L	E353.2	0.00833	0.0100	1.000	0	96.1	90 - 110				
Lab Sample ID:	**LCS-R80602**	Date Analyzed:	07/10/2015 1015h											
Test Code:	TDS-W-2540C													
Total Dissolved Solids		212	mg/L	SM2540C	6.13	10.0	205.0	0	103	80 - 120				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: MB-R80807	Date Analyzed:	07/20/2015 1951h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-38136	Date Analyzed:	07/21/2015 1625h											
Test Code: NH3-W-350.1	Date Prepared:	07/21/2015 1253h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0226	0.0500								
Lab Sample ID: MB-R80662	Date Analyzed:	07/15/2015 1420h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R80602	Date Analyzed:	07/10/2015 1015h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID:	**1507150-003CMS**	Date Analyzed:	07/20/2015 2313h											
Test Code:	300.0-W													
Chloride		120	mg/L	E300.0	0.0751	1.00	50.00	67.4	105	90 - 110				
Lab Sample ID:	**1507150-004CMS**	Date Analyzed:	07/21/2015 739h											
Test Code:	300.0-W													
Chloride		675	mg/L	E300.0	0.751	10.0	500.0	145	106	90 - 110				
Sulfate		1,320	mg/L	E300.0	2.11	75.0	500.0	811	103	90 - 110				
Lab Sample ID:	**1507150-004BMS**	Date Analyzed:	07/21/2015 1632h											
Test Code:	NH3-W-350.1	Date Prepared:	07/21/2015 1253h											
Ammonia (as N)		11.4	mg/L	E350.1	0.0226	0.0500	10.00	0.0692	113	90 - 110				[1]
Lab Sample ID:	**1507150-003BMS**	Date Analyzed:	07/15/2015 1435h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		11.6	mg/L	E353.2	0.0833	0.100	10.00	1.15	104	90 - 110				

[1] - 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: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: 1507150-003CMSD	Date Analyzed:	07/20/2015 2330h											
Test Code: 300.0-W													
Chloride	120	mg/L	E300.0	0.0751	1.00	50.00	67.4	105	90 - 110	120	0.0741	20	
Lab Sample ID: 1507150-004CMSD	Date Analyzed:	07/21/2015 756h											
Test Code: 300.0-W													
Chloride	679	mg/L	E300.0	0.751	10.0	500.0	145	107	90 - 110	675	0.538	20	
Sulfate	1,340	mg/L	E300.0	2.11	75.0	500.0	811	106	90 - 110	1320	1.29	20	
Lab Sample ID: 1507150-004BMSD	Date Analyzed:	07/21/2015 1634h											
Test Code: NH3-W-350.1	Date Prepared:	07/21/2015 1253h											
Ammonia (as N)	11.4	mg/L	E350.1	0.0226	0.0500	10.00	0.0692	114	90 - 110	11.4	0.438	10	[1]
Lab Sample ID: 1507150-003BMSD	Date Analyzed:	07/15/2015 1436h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	1.15	100	90 - 110	11.6	3.61	10	

[1] - 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: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: LCS VOC-1 071015A Date Analyzed: 07/10/2015 1107h													
Test Code: 8260-W-DEN100													
Chloroform	19.0	µg/L	SW8260C	0.153	1.00	20.00	0	95.1	67 - 132				
Methylene chloride	14.3	µg/L	SW8260C	0.172	1.00	20.00	0	71.5	32 - 185				
Surr: 1,2-Dichloroethane-d4	48.6	µg/L	SW8260C			50.00		97.2	76 - 138				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	80 - 152				
Surr: Dibromofluoromethane	49.9	µg/L	SW8260C			50.00		99.8	67 - 128				
Surr: Toluene-d8	49.3	µg/L	SW8260C			50.00		98.5	81 - 135				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: MB VOC-1 071015A	Date Analyzed:	07/10/2015 1146h											
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	50.9	µg/L	SW8260C			50.00		102	76 - 138				
Surr: 4-Bromofluorobenzene	52.3	µg/L	SW8260C			50.00		105	80 - 152				
Surr: Dibromofluoromethane	50.6	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	81 - 135				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: 1507150-003DMS	Date Analyzed:	07/10/2015 1343h											
Test Code: 8260-W-DEN100													
Chloroform	4,280	µg/L	SW8260C	15.3	100	2,000	2560	86.3	50 - 146				
Methylene chloride	1,400	µg/L	SW8260C	17.2	100	2,000	0	70.0	30 - 192				
Surr: 1,2-Dichloroethane-d4	4,890	µg/L	SW8260C			5,000		97.7	72 - 151				
Surr: 4-Bromofluorobenzene	5,100	µg/L	SW8260C			5,000		102	80 - 152				
Surr: Dibromofluoromethane	4,940	µg/L	SW8260C			5,000		98.8	80 - 124				
Surr: Toluene-d8	4,980	µg/L	SW8260C			5,000		99.6	77 - 129				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1507150
Project: July Monthly Groundwater 2015

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
Lab Sample ID: 1507150-003DMSD	Date Analyzed:	07/10/2015 1402h											
Test Code: 8260-W-DEN100													
Chloroform	4,440	µg/L	SW8260C	15.3	100	2,000	2560	94.0	50 - 146	4280	3.51	25	
Methylene chloride	1,440	µg/L	SW8260C	17.2	100	2,000	0	72.1	30 - 192	1400	2.96	25	
Surr: 1,2-Dichloroethane-d4	4,910	µg/L	SW8260C			5,000		98.2	72 - 151				
Surr: 4-Bromofluorobenzene	5,140	µg/L	SW8260C			5,000		103	80 - 152				
Surr: Dibromofluoromethane	4,980	µg/L	SW8260C			5,000		99.7	80 - 124				
Surr: Toluene-d8	5,050	µg/L	SW8260C			5,000		101	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1507150**

Client: Energy Fuels Resources, Inc.

Due Date: 7/23/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **July Monthly Groundwater 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume,. Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507150-001A	**MW-11_07072015**	7/7/2015 1110h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			df-met	
1507150-002A	**MW-25_07062015**	7/6/2015 1405h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			df-met	
1507150-003A	**MW-26_07072015**	7/7/2015 1450h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: U				
				200.8-DIS-PR			df-met	
1507150-003B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1507150-003C				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1507150-003D				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1507150-004A	**MW-30_07072015**	7/7/2015 1000h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df-met	
1507150-004B				**NH3-W-350.1**			DF-NO2/NO3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NO2/NO3	
				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1507150-004C				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1507150-005A	**MW-31_07062015**	7/6/2015 1610h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df-met	
1507150-005B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 7-10-15

WORK ORDER Summary

Work Order: **1507150**

Client: Energy Fuels Resources, Inc.

Due Date: 7/23/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1507150-005C	**MW-31_07062015**	7/6/2015 1610h	7/9/2015 1600h	**300.0-W**	Aqueous		DF-cl	1
				2 SEL Analytes: CL SO4				
1507150-005D				**TDS-W-2540C**			df-tdsl	
				1 SEL Analytes: TDS				
1507150-006A	**MW-35_07072015**	7/7/2015 1315h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df-met	
1507150-007A	**MW-65_07072015**	7/7/2015 1110h	7/9/2015 1600h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			df-met	
1507150-008A	**Trip Blank**	7/7/2015	7/9/2015 1600h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

Printed: 7/10/2015 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

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.

1507150
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #: (435) 459-9463
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: July Monthly Groundwater 2015
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:

	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)	NH3 (4500G or 350.1)	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_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_07072015	7/7/2015	1110	1	W		X										
3	MW-25_07062015	7/6/2015	1405	1	w						X	X					
4	MW-26_07072015	7/7/2015	1450	6	w	X		X			X					X	
5	MW-30_07072015	7/7/2015	1000	3	w	X		X	X		X		X				
6	MW-31_07062015	7/6/2015	1610	4	w	X		X		X			X		X		
7	MW-35_07072015	7/7/2015	1315	1	w		X				X		X	X			
8	MW-65_07072015	7/7/2015	1110	1	w		x										
9	Trip Blank	7/7/2015		3	W											x	
10	Temp Blank			1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.1 °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

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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Garrin Palmer	7/8/15	Signature:	
Print Name: Garrin Palmer	Time: 1000	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hayes	Date: 7-9-15
Print Name:	Time:	Print Name: Elena Hayes	Time: 1600
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.

Lab Set ID: 1507150

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8										
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
NO_2 & NO_3	pH <2 H_2SO_4			Yes	Yes	Yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

GEL 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

gel.com

July 28, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 376891

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 10, 2015. 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. 4289.

Sincerely,

Anna C Day

Anna Day for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 376891

July 28, 2015

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 July 10, 2015 for analysis. The sample was 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 sample:

Laboratory ID	Client ID
376891001	MW-35_07072015

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.

Anna C Day
Anna Day for
Julie Robinson
Project Manager

376891

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratorie
2040 Savage Road
Charleston SC, 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
July Monthly Groundwater 2015	Garrin Palmer	

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_07072015	7/7/2015	1315	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	7/8/2015 1100		7/10/15 9:10
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 376891
Received By: ZKW	Date Received: 7/10/15

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		23°C Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples (EPA 6850) have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
8	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
9	Samples received within holding time?	✓			ID's and tests affected:
10	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
11	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
12	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
13	Are sample containers identifiable as GEL provided?	✓			
14	COC form is properly signed in relinquished/received sections?	✓			
15	Carrier and tracking number.	✓			Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 02 9142 6009

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JV Date 7/10/15 Page 1 of 1

GL-CHL-SR-001 Rev 1

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG:	376891	July Monthly Groundwater 2015	**Work Order Due Date:**	07-AUG-15	**Collector:** C
Client SDG:	376891		**Package Due Date:**	04-AUG-15	**Prelogin #:** 20150429171
Project Manager:	Julie Robinson		**EDD Due Date:**	07-AUG-15	**Project Workdef ID:** 1294356
Project Name:	DNMI00100 White Mesa Mill GW		**Due Date:**	07-AUG-15	**SDG Status:** Closed
Purchase Order:	DW16138		JAR1		**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
376891001	MW-35_07072015		07-JUL-15 13:15	10-JUL-15 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-35_07072015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	23	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC - Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 376891

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1493984

Sample ID	Client ID
376891001	MW-35_07072015
1203357844	Method Blank (MB)
1203357848	Laboratory Control Sample (LCS)
1203357845	376891001(MW-35_07072015) Sample Duplicate (DUP)
1203357846	376891001(MW-35_07072015) Matrix Spike (MS)
1203357847	376891001(MW-35_07072015) Matrix Spike Duplicate (MSD)

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: 376891001 (MW-35_07072015).

QC Information

All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the duplicate, 1203357845 (MW-35_07072015DUP) and 376891001 (MW-35_07072015), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 1.87.

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
None of the samples in this sample set were recounted.

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.

Manual Integration
No manual integrations were performed on data in this batch.

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, 1203357846 (MW-35_07072015MS) and 1203357847 (MW-35_07072015MSD), 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: 376891 GEL Work Order: 376891

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: 29 JUL 2015 **Title: Analyst I**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 29, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **376891**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1493984											
QC1203357845 376891001 DUP											
Gross Radium Alpha		4.93		6.79	pCi/L	31.7*		(0%-20%)	AXM6	07/23/15	11:5
	Uncertainty	+/-0.380		+/-0.541							
QC1203357848 LCS											
Gross Radium Alpha	413			504	pCi/L		122	(75%-125%)		07/23/15	11:5
	Uncertainty			+/-7.73							
QC1203357844 MB											
Gross Radium Alpha			U	-0.416	pCi/L					07/23/15	11:5
	Uncertainty			+/-0.250							
QC1203357846 376891001 MS											
Gross Radium Alpha	1660	4.93		1820	pCi/L		109	(75%-125%)		07/23/15	11:5
	Uncertainty	+/-0.380		+/-29.0							
QC1203357847 376891001 MSD											
Gross Radium Alpha	1660	4.93		1660	pCi/L	9.45	99.5	(0%-20%)		07/23/15	11:5
	Uncertainty	+/-0.380		+/-26.4							

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

QC Summary

Workorder: **376891**

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 or %RPD not applicable.
^ 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

September 2015

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-001
Client Sample ID: MW-11_09162015
Collection Date: 9/16/2015 1200h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	9/21/2015 1405h	9/22/2015 1253h	E200.8	0.0100	**0.160**	

3440 South 700 West
Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-002
Client Sample ID: MW-25_09152015
Collection Date: 9/15/2015 1130h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	9/21/2015 1405h	9/22/2015 1303h	E200.8	0.000500	**0.00131**	
Uranium	mg/L	9/21/2015 1405h	9/22/2015 1303h	E200.8	0.00300	**0.00620**	

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-003
Client Sample ID: MW-26_09162015
Collection Date: 9/16/2015 1240h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	9/21/2015 1405h	9/22/2015 1306h	E200.8	0.00300	**0.0560**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-003
Client Sample ID: MW-26_09162015
Collection Date: 9/16/2015 1240h
Received Date: 9/18/2015 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/23/2015 1636h	E300.0	10.0	**74.5**	
Nitrate/Nitrite (as N)	mg/L		9/22/2015 1736h	E353.2	0.500	**0.795**	[1]

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-003D
Client Sample ID: MW-26_09162015
Collection Date: 9/16/2015 1240h
Received Date: 9/18/2015 1045h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 9/18/2015 1748h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**2,150**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,700	2,500	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,730	2,500	109	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,640	2,500	106	80-124	
Surr: Toluene-d8	2037-26-5	2,660	2,500	106	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 9/18/2015 1530h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.2	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.9	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	52.0	50.00	104	77-129	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-004
Client Sample ID: MW-30_09152015
Collection Date: 9/15/2015 1530h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/21/2015 1405h	9/22/2015 1309h	E200.8	0.00500	**0.0391**	
Uranium	mg/L	9/21/2015 1405h	9/22/2015 1309h	E200.8	0.00300	**0.00772**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-004
Client Sample ID: MW-30_09152015
Collection Date: 9/15/2015 1530h
Received Date: 9/18/2015 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	9/22/2015 1530h	9/23/2015 1620h	E350.1	0.0500	< 0.0500	[1]
Chloride	mg/L		9/23/2015 1619h	E300.0	100	**165**	
Nitrate/Nitrite (as N)	mg/L		9/30/2015 1544h	E353.2	1.00	**17.3**	[1]

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-005
Client Sample ID: MW-31_09152015
Collection Date: 9/15/2015 1340h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/21/2015 1405h	9/22/2015 1312h	E200.8	0.00500	**0.0790**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-005
Client Sample ID: MW-31_09152015
Collection Date: 9/15/2015 1340h
Received Date: 9/18/2015 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/23/2015 1529h	E300.0	100	**231**	
Nitrate/Nitrite (as N)	mg/L		9/30/2015 1548h	E353.2	1.00	**18.9**	
Sulfate	mg/L		9/23/2015 1529h	E300.0	100	**638**	
Total Dissolved Solids	mg/L		9/21/2015 1515h	SM2540C	20.0	**1,480**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-006
Client Sample ID: MW-35_09152015
Collection Date: 9/15/2015 1510h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	9/21/2015 1405h	9/22/2015 1315h	E200.8	0.0100	**0.201**	
Selenium	mg/L	9/21/2015 1405h	9/22/2015 1315h	E200.8	0.00500	**0.0167**	
Thallium	mg/L	9/21/2015 1405h	9/23/2015 1400h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	9/21/2015 1405h	9/22/2015 1315h	E200.8	0.00300	**0.0213**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Monthly Groundwater 2015
Lab Sample ID: 1509520-001
Client Sample ID: MW-35_09222015
Collection Date: 9/22/2015 1400h
Received Date: 9/25/2015 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/8/2015 1213h	10/8/2015 2158h	E200.8	0.0100	**0.176**	
Selenium	mg/L	10/8/2015 1213h	10/8/2015 2158h	E200.8	0.00500	**0.0285**	
Thallium	mg/L	10/8/2015 1213h	10/8/2015 2158h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	10/8/2015 1213h	10/8/2015 2158h	E200.8	0.000750	**0.0223**	

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GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 14, 2015

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_09152015	Project:	DNMI00100
Sample ID:	381518001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-SEP-15 15:10		
Receive Date:	21-SEP-15		
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		4.81	+/-0.272	0.468	1.00	pCi/L		AXM6	09/30/15	1728	1510895	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.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 27, 2015

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_09282015	Project:	DNMI00100
Sample ID:	382142001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	28-SEP-15 12:00		
Receive Date:	01-OCT-15		
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		6.13	+/-0.677	0.938	1.00	pCi/L		AXM6	10/09/15	1225	1512869	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"			97.9	(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. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-007
Client Sample ID: MW-65_09162015
Collection Date: 9/16/2015 1200h
Received Date: 9/18/2015 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	9/21/2015 1405h	9/22/2015 1318h	E200.8	0.0100	**0.167**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Monthly Groundwater 2015
Lab Sample ID: 1509520-002
Client Sample ID: MW-70_09222015
Collection Date: 9/22/2015 1400h
Received Date: 9/25/2015 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/8/2015 1213h	10/8/2015 2201h	E200.8	0.0100	**0.174**	
Selenium	mg/L	10/8/2015 1213h	10/8/2015 2201h	E200.8	0.00500	**0.0284**	
Thallium	mg/L	10/8/2015 1213h	10/8/2015 2201h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	10/8/2015 1213h	10/8/2015 2201h	E200.8	0.000750	**0.0223**	

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Certificate of Analysis

Report Date: October 27, 2015

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_09282015	Project:	DNMI00100
Sample ID:	382142002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	28-SEP-15 12:00		
Receive Date:	01-OCT-15		
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		4.55	+/-0.588	0.901	1.00	pCi/L		AXM6	10/09/15	1225	1512869	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"			96.8	(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

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Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Groundwater 2015
Lab Sample ID: 1509381-008A
Client Sample ID: Trip Blank
Collection Date: 9/16/2015
Received Date: 9/18/2015 1045h

Test Code: 8260-W-DEN100

Analytical Results VOAs by GC/MS Method 8260C/5030C

Analyzed: 9/18/2015 1510h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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	

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	54.0	50.00	108	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	52.4	50.00	105	77-129	

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QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: September Groundwater 2015

Dear Garrin Palmer: Lab Set ID: 1509381

American West Analytical Laboratories received sample(s) on 9/18/2015 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, Wyoming, 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.

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, email=jose@awal-labs.com, c=US
Date: 2015.10.02 11:24:52 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: September Groundwater 2015
Lab Set ID: 1509381
Date Received: 9/18/2015 1045h

Contact: Garrin Palmer

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1509381-001A	MW-11_09162015	9/16/2015	1200h	Aqueous	ICPMS Metals, Dissolved
1509381-002A	MW-25_09152015	9/15/2015	1130h	Aqueous	ICPMS Metals, Dissolved
1509381-003A	MW-26_09162015	9/16/2015	1240h	Aqueous	ICPMS Metals, Dissolved
1509381-003B	MW-26_09162015	9/16/2015	1240h	Aqueous	Anions, E300.0
1509381-003C	MW-26_09162015	9/16/2015	1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1509381-003D	MW-26_09162015	9/16/2015	1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
1509381-004A	MW-30_09152015	9/15/2015	1530h	Aqueous	ICPMS Metals, Dissolved
1509381-004B	MW-30_09152015	9/15/2015	1530h	Aqueous	Anions, E300.0
1509381-004C	MW-30_09152015	9/15/2015	1530h	Aqueous	Ammonia, Aqueous
1509381-004C	MW-30_09152015	9/15/2015	1530h	Aqueous	Nitrite/Nitrate (as N), E353.2
1509381-005A	MW-31_09152015	9/15/2015	1340h	Aqueous	ICPMS Metals, Dissolved
1509381-005B	MW-31_09152015	9/15/2015	1340h	Aqueous	Anions, E300.0
1509381-005C	MW-31_09152015	9/15/2015	1340h	Aqueous	Nitrite/Nitrate (as N), E353.2
1509381-005D	MW-31_09152015	9/15/2015	1340h	Aqueous	Total Dissolved Solids, A2540C
1509381-006A	MW-35_09152015	9/15/2015	1510h	Aqueous	ICPMS Metals, Dissolved
1509381-007A	MW-65_09162015	9/16/2015	1200h	Aqueous	ICPMS Metals, Dissolved
1509381-008A	Trip Blank	9/16/2015		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: September Groundwater 2015
Lab Set ID: 1509381

Sample Receipt Information:

Date of Receipt: 9/18/2015
Date(s) of Collection: 9/15 & 9/16/2015
Sample Condition: Intact
C-O-C Discrepancies: See Chain of Custody

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:

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
1509381-003C	Nitrate-Nitrite	MS/MSD	Sample matrix interference
1509381-004C	Nitrate-Nitrite	MS/MSD	Sample matrix interference
1509381-004C	Ammonia	MS/MSD	Sample matrix interference

Corrective Action: None required.

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Volatile Case Narrative

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Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	September Groundwater 2015
Lab Set ID:	1509381

Sample Receipt Information:

Date of Receipt:	9/18/2015
Date(s) of Collection:	9/15 & 9/16/2015
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain of Custody
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: One target analyte was 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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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID:	**LCS-39247**	Date Analyzed:	09/22/2015 1337h											
Test Code:	200.8-DIS	Date Prepared:	09/21/2015 1405h											
Cadmium		0.201	mg/L	E200.8	0.000193	0.000500	0.2000	0	100	85 - 115				
Manganese		0.202	mg/L	E200.8	0.00153	0.00200	0.2000	0	101	85 - 115				
Selenium		0.211	mg/L	E200.8	0.0000634	0.00200	0.2000	0	106	85 - 115				
Thallium		0.195	mg/L	E200.8	0.0000242	0.00200	0.2000	0	97.6	85 - 115				
Uranium		0.199	mg/L	E200.8	0.0000112	0.00200	0.2000	0	99.3	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID:	**MB-39247**	Date Analyzed:	09/22/2015 1334h											
Test Code:	200.8-DIS	Date Prepared:	09/21/2015 1405h											
Cadmium		< 0.000500	mg/L	E200.8	0.000193	0.000500								
Manganese		< 0.00200	mg/L	E200.8	0.00153	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.0000634	0.00200								
Thallium		< 0.00200	mg/L	E200.8	0.0000242	0.00200								
Uranium		< 0.00200	mg/L	E200.8	0.0000112	0.00200								
Lab Sample ID:	**MB-39247**	Date Analyzed:	09/23/2015 1357h											
Test Code:	200.8-DIS	Date Prepared:	09/21/2015 1405h											
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID:	**1509381-001AMS**	Date Analyzed:	09/22/2015 1257h											
Test Code:	200.8-DIS	Date Prepared:	09/21/2015 1405h											
Cadmium		0.195	mg/L	E200.8	0.000193	0.000500	0.2000	0	97.4	75 - 125				
Manganese		0.361	mg/L	E200.8	0.00153	0.00200	0.2000	0.16	101	75 - 125				
Selenium		0.194	mg/L	E200.8	0.0000634	0.00200	0.2000	0	96.9	75 - 125				
Thallium		0.187	mg/L	E200.8	0.0000242	0.00200	0.2000	0.0000733	93.4	75 - 125				
Uranium		0.198	mg/L	E200.8	0.0000112	0.00200	0.2000	0.000823	98.5	75 - 125				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-001AMSD	Date Analyzed:	09/22/2015 1300h											
Test Code: 200.8-DIS	Date Prepared:	09/21/2015 1405h											
Cadmium	0.189	mg/L	E200.8	0.000193	0.000500	0.2000	0	94.3	75 - 125	0.195	3.29	20	
Manganese	0.352	mg/L	E200.8	0.00153	0.00200	0.2000	0.16	96.2	75 - 125	0.361	2.53	20	
Selenium	0.191	mg/L	E200.8	0.0000634	0.00200	0.2000	0	95.5	75 - 125	0.194	1.46	20	
Thallium	0.182	mg/L	E200.8	0.0000242	0.00200	0.2000	0.0000733	91.1	75 - 125	0.187	2.52	20	
Uranium	0.194	mg/L	E200.8	0.0000112	0.00200	0.2000	0.000823	96.5	75 - 125	0.198	2.04	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-005DDUP Date Analyzed: 09/21/2015 1515h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,470	mg/L	SM2540C	12.3	20.0					1480	0.271	5	

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID:	**LCS-R83112**	Date Analyzed:	09/23/2015 1348h											
Test Code:	300.0-W													
Chloride		5.07	mg/L	E300.0	0.00751	0.100	5.000	0	101	90 - 110				
Sulfate		4.89	mg/L	E300.0	0.0211	0.750	5.000	0	97.9	90 - 110				
Lab Sample ID:	**LCS-39260**	Date Analyzed:	09/23/2015 1613h											
Test Code:	NH3-W-350.1	Date Prepared:	09/22/2015 1530h											
Ammonia (as N)		9.58	mg/L	E350.1	0.0226	0.0500	10.00	0	95.8	90 - 110				
Lab Sample ID:	**LCS-R83140**	Date Analyzed:	09/22/2015 1656h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		0.913	mg/L	E353.2	0.00833	0.0100	1.000	0	91.3	90 - 110				
Lab Sample ID:	**LCS-R83352**	Date Analyzed:	09/30/2015 1542h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		1.09	mg/L	E353.2	0.00833	0.0100	1.000	0	109	90 - 110				
Lab Sample ID:	**LCS-R83050**	Date Analyzed:	09/21/2015 1515h											
Test Code:	TDS-W-2540C													
Total Dissolved Solids		216	mg/L	SM2540C	6.13	10.0	205.0	0	105	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: MB-R83112 Date Analyzed: 09/23/2015 1331h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-39260 Date Analyzed: 09/23/2015 1611h													
Test Code: NH3-W-350.1 Date Prepared: 09/22/2015 1530h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0226	0.0500								
Lab Sample ID: MB-R83140 Date Analyzed: 09/22/2015 1654h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R83352 Date Analyzed: 09/30/2015 1541h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R83050 Date Analyzed: 09/21/2015 1515h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-005BMS Date Analyzed: 09/23/2015 1546h													
Test Code: 300.0-W													
Chloride	1,260	mg/L	E300.0	1.50	20.0	1,000	231	102	90 - 110				
Sulfate	1,620	mg/L	E300.0	4.22	150	1,000	638	98.1	90 - 110				
Lab Sample ID: 1509381-004CMS Date Analyzed: 09/23/2015 1621h													
Test Code: NH3-W-350.1 Date Prepared: 09/22/2015 1530h													
Ammonia (as N)	12.4	mg/L	E350.1	0.0226	0.0500	10.00	0.0358	124	90 - 110				[1]
Lab Sample ID: 1509123-007BMS Date Analyzed: 09/22/2015 1726h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.94	mg/L	E353.2	0.0833	0.100	10.00	0	99.4	90 - 110				
Lab Sample ID: 1509381-004CMS Date Analyzed: 09/30/2015 1632h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	59.5	mg/L	E353.2	0.417	0.500	50.00	17.3	84.4	90 - 110				[1]
Lab Sample ID: 1509381-003CMS Date Analyzed: 09/22/2015 1737h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	4.91	mg/L	E353.2	0.0417	0.250	5.000	0.795	82.3	90 - 110				[1]

[1] - *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: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-005BMSD Date Analyzed: 09/23/2015 1603h													
Test Code: 300.0-W													
Chloride	1,250	mg/L	E300.0	1.50	20.0	1,000	231	102	90 - 110	1260	0.140	20	
Sulfate	1,620	mg/L	E300.0	4.22	150	1,000	638	98.2	90 - 110	1620	0.0969	20	
Lab Sample ID: 1509381-004CMSD Date Analyzed: 09/23/2015 1622h													
Test Code: NH3-W-350.1 Date Prepared: 09/22/2015 1530h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0226	0.0500	10.00	0.0358	114	90 - 110	12.4	7.87	10	[1]
Lab Sample ID: 1509123-007BMSD Date Analyzed: 09/22/2015 1727h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.4	mg/L	E353.2	0.0833	0.100	10.00	0	104	90 - 110	9.94	4.63	10	
Lab Sample ID: 1509381-004CMSD Date Analyzed: 09/30/2015 1634h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	56.8	mg/L	E353.2	0.417	0.500	50.00	17.3	78.9	90 - 110	59.5	4.76	10	[1]
Lab Sample ID: 1509381-003CMSD Date Analyzed: 09/22/2015 1738h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	5.02	mg/L	E353.2	0.0417	0.250	5.000	0.795	84.4	90 - 110	4.91	2.08	10	[1]

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: LCS VOC-1 091815A	Date Analyzed:	09/18/2015 1124h											
Test Code: 8260-W-DEN100													
Chloroform	22.5	µg/L	SW8260C	0.153	1.00	20.00	0	113	67 - 132				
Methylene chloride	22.7	µg/L	SW8260C	0.172	1.00	20.00	0	114	32 - 185				
Surr: 1,2-Dichloroethane-d4	52.6	µg/L	SW8260C			50.00		105	76 - 138				
Surr: 4-Bromofluorobenzene	51.7	µg/L	SW8260C			50.00		103	80 - 152				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	67 - 128				
Surr: Toluene-d8	51.6	µg/L	SW8260C			50.00		103	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: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: MB VOC-1 091815A	Date Analyzed:	09/18/2015 1204h											
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	53.3	µg/L	SW8260C			50.00		107	80 - 152				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	67 - 128				
Surr: Toluene-d8	52.9	µg/L	SW8260C			50.00		106	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: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-003DMS	Date Analyzed:	09/18/2015 1820h											
Test Code: 8260-W-DEN100													
Chloroform	2,980	µg/L	SW8260C	7.65	50.0	1,000	2150	82.2	50 - 146				
Methylene chloride	1,090	µg/L	SW8260C	8.60	50.0	1,000	0	109	30 - 192				
Surr: 1,2-Dichloroethane-d4	2,700	µg/L	SW8260C			2,500		108	72 - 151				
Surr: 4-Bromofluorobenzene	2,700	µg/L	SW8260C			2,500		108	80 - 152				
Surr: Dibromofluoromethane	2,670	µg/L	SW8260C			2,500		107	80 - 124				
Surr: Toluene-d8	2,650	µg/L	SW8260C			2,500		106	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: 1509381
Project: September Groundwater 2015

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
Lab Sample ID: 1509381-003DMSD	Date Analyzed:	09/18/2015 1839h											
Test Code: 8260-W-DEN100													
Chloroform	2,970	µg/L	SW8260C	7.65	50.0	1,000	2150	81.2	50 - 146	2980	0.353	25	
Methylene chloride	1,090	µg/L	SW8260C	8.60	50.0	1,000	0	109	30 - 192	1090	0.596	25	
Surr: 1,2-Dichloroethane-d4	2,760	µg/L	SW8260C			2,500		110	72 - 151				
Surr: 4-Bromofluorobenzene	2,590	µg/L	SW8260C			2,500		104	80 - 152				
Surr: Dibromofluoromethane	2,670	µg/L	SW8260C			2,500		107	80 - 124				
Surr: Toluene-d8	2,610	µg/L	SW8260C			2,500		104	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1509381**

Client: Energy Fuels Resources, Inc.

Due Date: 10/2/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **September Groundwater 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1509381-001A	**MW-11_09162015**	9/16/2015 1200h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			df-met	
1509381-002A	**MW-25_09152015**	9/15/2015 1130h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			df-met	
1509381-003A	**MW-26_09162015**	9/16/2015 1240h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: U				
				200.8-DIS-PR			df-met	
1509381-003B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1509381-003C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1509381-003D				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1509381-004A	**MW-30_09152015**	9/15/2015 1530h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df-met	
1509381-004B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1509381-004C				**NH3-W-350.1**			DF-NO2/NO3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NO2/NO3	
				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1509381-005A	**MW-31_09152015**	9/15/2015 1340h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df-met	
1509381-005B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL SO4				

Printed: 9/21/2015 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1509381**

Client: Energy Fuels Resources, Inc.

Due Date: 10/2/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1509381-005C	**MW-31_09152015**	9/15/2015 1340h	9/18/2015 1045h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1509381-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1509381-006A	**MW-35_09152015**	9/15/2015 1510h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df-met	
1509381-007A	**MW-65_09162015**	9/16/2015 1200h	9/18/2015 1045h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			df-met	
1509381-008A	**Trip Blank**	9/16/2015	9/18/2015 1045h	**8260-W-DEN100**	Aqueous		vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

AWAL Use Only. Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	1.11

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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.

1509381
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

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: September Groundwater 2015
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:

	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)	NH3 (4500G or 350.1)	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_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_09162015	9/16/2015	1200	1	W		X										
3	MW-25_09152015	9/15/2015	1130	1	W						X	X					
4	MW-26_09162015	9/16/2015	1240	6	W	X		X			X					X	
5	MW-30_09152015	9/15/2015	1530	3	W	X		X	X		X		X				
6	MW-31_09152015	9/15/2015	1340	4	W	X		X		X			X		X		
7	MW-35_09152015	9/15/2015	1510	1	W		X				X		X	X			
8	MW-65_09162015	9/16/2015	1200	1	W		X										
9	TRIP BLANK	9/16/2015		3	W											X	
10	TEMP BLANK	9/17/2015		1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.8 °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

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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	9/17/2015	Signature:	
Print Name: Tanner Holliday	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hayes	Date: 9/18/15
Print Name:	Time:	Print Name: Elena Hayes	Time: 1845
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.

Lab Set ID: 150938 1

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4				yes														
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes	yes	yes	yes											
NO_2 & NO_3	pH <2 H_2SO_4			yes	yes	yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

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Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: September Monthly Groundwater 2015

Dear Garrin Palmer: Lab Set ID: 1509520

American West Analytical Laboratories received sample(s) on 9/25/2015 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, Wyoming, 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.

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, email=jose@awal-labs.com, c=US Date: 2015.10.09 16:00:54 -06'00'

Laboratory Director or designee

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Monthly Groundwater 2015
Lab Set ID: 1509520
Date Received: 9/25/2015 1020h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1509520-001A	MW-35_09222015	9/22/2015 1400h	Aqueous	ICPMS Metals, Dissolved
1509520-002A	MW-70_09222015	9/22/2015 1400h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
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Jose Rocha
QA Officer

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Inorganic Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	September Monthly Groundwater 2015
Lab Set ID:	1509520

Sample Receipt Information:

Date of Receipt:	9/25/2015
Date of Collection:	9/22/2015
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:

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.

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: 1509520
Project: September Monthly Groundwater 2015

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
Lab Sample ID:	**LCS-39607**	Date Analyzed:	10/08/2015 2049h											
Test Code:	200.8-DIS	Date Prepared:	10/08/2015 1213h											
Manganese		0.196	mg/L	E200.8	0.00153	0.00200	0.2000	0	98.0	85 - 115				
Selenium		0.197	mg/L	E200.8	0.0000634	0.00200	0.2000	0	98.4	85 - 115				
Thallium		0.200	mg/L	E200.8	0.0000242	0.00200	0.2000	0	100	85 - 115				
Uranium		0.193	mg/L	E200.8	0.0000112	0.00200	0.2000	0	96.5	85 - 115				

All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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: 1509520
Project: September Monthly Groundwater 2015

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
Lab Sample ID: MB-39607	Date Analyzed:	10/08/2015 2155h											
Test Code: 200.8-DIS	Date Prepared:	10/08/2015 1213h											
Manganese	< 0.000500	mg/L	E200.8	0.000382	0.000500								
Selenium	< 0.000500	mg/L	E200.8	0.0000158	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.00000605	0.000500								
Uranium	< 0.000500	mg/L	E200.8	0.00000279	0.000500								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1509520
Project: September Monthly Groundwater 2015

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
Lab Sample ID: 1509520-001AMS	Date Analyzed:	10/08/2015 2101h											
Test Code: 200.8-DIS	Date Prepared:	10/08/2015 1213h											
Manganese	0.357	mg/L	E200.8	0.00153	0.00200	0.2000	0.176	90.8	75 - 125				
Selenium	0.218	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0285	94.8	75 - 125				
Thallium	0.188	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000494	93.9	75 - 125				
Uranium	0.209	mg/L	E200.8	0.0000112	0.00200	0.2000	0.0223	93.1	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: 1509520
Project: September Monthly Groundwater 2015

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
Lab Sample ID:	**1509520-001AMSD**	Date Analyzed:	10/08/2015 2104h											
Test Code:	200.8-DIS	Date Prepared:	10/08/2015 1213h											
Manganese		0.362	mg/L	E200.8	0.00153	0.00200	0.2000	0.176	93.2	75 - 125	0.357	1.35	20	
Selenium		0.221	mg/L	E200.8	0.0000634	0.00200	0.2000	0.0285	96.2	75 - 125	0.218	1.31	20	
Thallium		0.192	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000494	95.9	75 - 125	0.188	2.06	20	
Uranium		0.214	mg/L	E200.8	0.0000112	0.00200	0.2000	0.0223	95.6	75 - 125	0.209	2.37	20	

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1509520**

Client: Energy Fuels Resources, Inc.

Due Date: 10/9/2015

Client ID: DEN100

Contact: Garrin Palmer

Project: **September Monthly Groundwater 2015**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms).- Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1509520-001A	**MW-35_09222015**	9/22/2015 1400h	9/25/2015 1020h	**200.8-DIS**	Aqueous		df-met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df-met	
1509520-002A	**MW-70_09222015**	9/22/2015 1400h	9/25/2015 1020h	**200.8-DIS**	Aqueous		df-met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df-met	

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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.

1509520
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		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #: (435) 459-9463
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: September Monthly Groundwater 2015
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:

	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)	NH3 (4500G or 350.1)	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_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1																	
3																	
4																	
5																	
6																	
7	MW-35_09222015	9/22/2015	1400	1	w		X				X		X	X			
8	MW-70_09222015	9/22/2015	1400	1	w		X				X		X	X			
9																	
10	Temp Blank			1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.6 °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

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

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Garrin Palmer	9/24/15	Signature:	
Print Name: Garrin Palmer	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hayes	Date: 9/25/15
Print Name:	Time:	Print Name: Elena Hayes	Time: 1020
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.

Lab Set ID: 1509520

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2																
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes																
NO_2 & NO_3	pH <2 H_2SO_4																		
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

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.

GEL 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

gel.com

October 12, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 381518

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 21, 2015. 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. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 381518

October 12, 2015

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 September 21, 2015 for analysis. The sample was 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 sample:

Laboratory ID	Client ID
381518001	MW-35_09152015

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.

Julie Robinson

Julie Robinson
Project Manager

381518

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
September Groundwater 2015	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_09152015	9/15/2015	1510	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	9/15/2015 1230	[illegible]	09/21/15 09:15
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 381518
Received By: CMG	Date Received: 09/21/15

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			✓	Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 26.5°C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: EX00920249932 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?			✓	Sample ID's and containers affected:
7	VOA vials contain acid preservation?			✓	(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?			✓	Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.	✓			Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 12 9971 7260

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 9-21-15 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG:	**381518**	**September Groundwater 2015**	**Work Order Due Date:**	**19-OCT-15**	**Collector: C**
Client SDG:	**381518**		**Package Due Date:**	**16-OCT-15**	**Prelogin #: 20150429171**
Project Manager:	**Julie Robinson**		**EDD Due Date:**	**19-OCT-15**	**Project Workdef ID: 1294356**
Project Name:	**DNMI00100 White Mesa Mill GW**		**Due Date:**	**19-OCT-15**	**SDG Status: Closed**
Purchase Order:	**DW16138**		**JAR1**		**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
381518001	MW-35_09152015		15-SEP-15 15:10	21-SEP-15 09:15	-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_09152015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	26.5	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC - Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 381518

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1510895

Sample ID	Client ID
381518001	MW-35_09152015
1203401716	Method Blank (MB)
1203401720	Laboratory Control Sample (LCS)
1203401717	381518001(MW-35_09152015) Sample Duplicate (DUP)
1203401718	381518001(MW-35_09152015) Matrix Spike (MS)
1203401719	381518001(MW-35_09152015) Matrix Spike Duplicate (MSD)

Sample 381518 001 in this SDG was 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 381518001 (MW-35_09152015).

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
None of the samples in this sample set were recounted.

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, 1203401718 (MW-35_09152015MS) and 1203401719 (MW-35_09152015MSD), 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: 381518 GEL Work Order: 381518

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: Heather M. McCarty **Name: Heather McCarty**

Date: 14 OCT 2015 **Title: Analyst II**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: October 14, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **381518**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1510895										
QC1203401717 381518001 DUP										
Gross Radium Alpha		4.81		4.52	pCi/L	6.08		(0%-20%)	AXM6	09/30/15 17:28
	Uncertainty	+/-0.272		+/-0.257						
QC1203401720 LCS										
Gross Radium Alpha	413			422	pCi/L		102	(75%-125%)		09/30/15 17:28
	Uncertainty			+/-7.19						
QC1203401716 MB										
Gross Radium Alpha			U	0.532	pCi/L					09/30/15 17:28
	Uncertainty			+/-0.220						
QC1203401718 381518001 MS										
Gross Radium Alpha	1660	4.81		1350	pCi/L		81	(75%-125%)		09/30/15 17:28
	Uncertainty	+/-0.272		+/-24.2						
QC1203401719 381518001 MSD										
Gross Radium Alpha	1660	4.81		1270	pCi/L	5.93	76.3	(0%-20%)		09/30/15 17:28
	Uncertainty	+/-0.272		+/-23.4						

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

QC Summary

Workorder: 381518

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 or %RPD not applicable.
^ 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.

GEL 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

gel.com

October 29, 2015

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 382142

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 01, 2015. 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. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 382142

October 29, 2015

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 October 01, 2015 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:

Laboratory ID	Client ID
382142001	MW-35_09282015
382142002	MW-70_09282015

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.

Julie Robinson

Julie Robinson
Project Manager

382142

Sheet 1 of 2

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Kathy Weinel
Ph: 303.389.4134
kweinel@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
September Monthly GW 2015	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_09282015	9/28/2015	1200	Gross Alpha
MW-70_09282015	9/28/2015	1200	Gross Alpha

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	10/1/2015 840	B. Luthman	930 10/1/15
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 382142
Received By: Brielle Luthman	Date Received: 10/1/15 0930

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?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): Ø
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 20°
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 20140443lo
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?			✓	Sample ID's and containers affected: see comments
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9829 1537

Comments (Use Continuation Form if needed):
Sample ID's on containers are MW-35_09282015 and MW-70_09282015

*client sent revised COC BL 10/1/15

PM (or PMA) review: Initials J.R. Date 10-7-15 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG:	**382142**	**September Monthly GW 2015**	**Work Order Due Date:**	**29-OCT-15**	**Collector: C**
Client SDG:	**382142**		**Package Due Date:**	**26-OCT-15**	**Prelogin #: 20150429171**
Project Manager:	**Julie Robinson**		**EDD Due Date:**	**29-OCT-15**	**Project Workdef ID: 1294356**
Project Name:	**DNMI00100 White Mesa Mill GW**		**Due Date:**	**29-OCT-15**	**SDG Status: Closed**
Purchase Order:	**DW16138**		**JAR1**		**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
382142001	MW-35_09282015		28-SEP-15 12:00	01-OCT-15 09:30	-2	1	GROUND WATER		20		1		
382142002	MW-70_09282015		28-SEP-15 12:00	01-OCT-15 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-35_09282015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	20	
-002 MW-70_09282015	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	20	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
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

	Action	Product Name	Description	Samples
Contingent Tests				

GEL Laboratories LLC - Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 382142

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1512869

Sample ID	Client ID
382142001	MW-35_09282015
382142002	MW-70_09282015
1203406603	Method Blank (MB)
1203406607	Laboratory Control Sample (LCS)
1203406604	382142002(MW-70_09282015) Sample Duplicate (DUP)
1203406605	382142002(MW-70_09282015) Matrix Spike (MS)
1203406606	382142002(MW-70_09282015) Matrix Spike Duplicate (MSD)

Samples 382142 001 and 002 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.

QC Information

All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the duplicate, 1203406604 (MW-70_09282015DUP) and 382142002 (MW-70_09282015) , did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 1.58.

Designated QC
The following sample was used for QC: 382142002 (MW-70_09282015).

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
None of the samples in this sample set were recounted.

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.

Manual Integration
No manual integrations were performed on data in this batch.

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, 1203406605 (MW-70_09282015MS) and 1203406606 (MW-70_09282015MSD), 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: 382142 GEL Work Order: 382142

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: Theresa L Austin **Name: Theresa Austin**

Date: 27 OCT 2015 **Title: Group Leader**

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: October 27, 2015

Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado

Contact: **Ms. Kathy Weinel**

Workorder: **382142**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1512869										
QC1203406604 382142002 DUP										
Gross Radium Alpha		4.55		6.40	pCi/L	33.9*		(0%-20%)	AXM6	10/09/15 12:24
	Uncertainty	+/-0.588		+/-0.746						
QC1203406607 LCS										
Gross Radium Alpha	413			358	pCi/L		86.7	(75%-125%)		10/09/15 12:25
	Uncertainty			+/-6.87						
QC1203406603 MB										
Gross Radium Alpha			U	0.115	pCi/L					10/09/15 12:24
	Uncertainty			+/-0.236						
QC1203406605 382142002 MS										
Gross Radium Alpha	1660	4.55		1490	pCi/L		89.3	(75%-125%)		10/09/15 12:24
	Uncertainty	+/-0.588		+/-24.3						
QC1203406606 382142002 MSD										
Gross Radium Alpha	1660	4.55		1360	pCi/L	8.91	81.7	(0%-20%)		10/09/15 12:24
	Uncertainty	+/-0.588		+/-25.2						

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

QC Summary

Workorder: 382142

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 or %RPD not applicable.
^ 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: Quarterly Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	7/27/2015	182.31	185	Y	1942	1931	0.57	7.14	7.12	0.28	16.00	15.98	0.13	348	338	2.92	6.7	6.7	Y	0.00
MW-03	7/28/2015	50.81	60	Y	5670	5661	0.16	6.16	6.16	0.00	16.00	15.98	0.13	427	426	0.23	0.0	0.0	N	0.00
MW-03A	7/29/2015	65.30	70	Pumped dry	5840	5848	0.14	6.30	6.34	0.63	15.21	15.25	0.26	NM		NC	NM		N	NC
MW-05	7/21/2015	194.09	200	Y	2948	2940	0.27	6.95	6.97	0.29	15.07	15.08	0.07	569	566	0.53	5.6	5.6	Y	0.00
MW-11	8/10/2015	263.30	270	Y	3059	3066	0.23	7.34	7.34	0.00	14.99	15.00	0.07	180	180	0.00	3.0	3.0	N	0.00
MW-12	7/21/2015	133.00	135	Y	4421	4442	0.47	6.70	6.70	0.00	17.46	17.47	0.06	566	565	0.18	18.4	18.5	Y	0.54
MW-14	8/11/2015	152.86	165	Y	4105	4101	0.10	6.37	6.37	0.00	14.79	14.77	0.14	357	357	0.00	0	0	N	0.00
MW-15	7/22/2015	185.96	200	Y	3984	3991	0.18	6.61	6.61	0.00	15.22	15.22	0.00	432	431	0.23	3.6	3.7	N	2.74
MW-18	7/27/2015	375.24	380	Y	3499	3505	0.17	6.43	6.43	0.00	15.50	15.48	0.13	406	405	0.25	4.7	4.8	N	2.11
MW-19	7/27/2015	530.52	540	Y	1467	1465	0.14	6.80	6.78	0.29	16.00	15.98	0.13	402	402	0.00	8.7	8.9	Y	2.27
MW-23	7/22/2015	112.39	120	Pumped dry	3924	3940	0.41	6.54	6.53	0.15	19.48	19.54	0.31	427	426	0.23	7.5	7.5	Y	0.00
MW-24	7/29/2015	45.91	50.0	Pumped dry	4378	4395	0.39	5.53	5.49	0.73	16.34	16.27	0.43	NM		NC	NM		N	NC
MW-25	8/10/2015	233.63	240	Y	3350	3361	0.33	6.45	6.47	0.31	14.98	14.95	0.20	515	514	0.19	8.0	8.2	Y	2.47
MW-26	8/10/2015	NA			3654		NC	6.54		NC	16.75		NC	272		NC	4.2		N	NC
MW-26 Resample	8/17/2015	NA			3556		NC	6.81		NC	15.86		NC	378		NC	5.9		N	NC
MW-27	7/21/2015	247.77	250	Y	1463	1459	0.27	6.84	6.84	0.00	15.19	15.19	0.00	589	587	0.34	4.7	4.7	N	0.00
MW-28	7/21/2015	208.17	210	Y	3897	3889	0.21	5.91	5.91	0.00	16.02	16.03	0.06	589	588	0.17	6.0	6.1	Y	1.65
MW-29	7/22/2015	157.02	180	Y	4591	4591	0.00	6.30	6.30	0.00	14.82	14.82	0.00	418	411	1.69	20.5	21	Y	2.41
MW-30	8/11/2015	207.03	210	Y	2178	2174	0.18	6.72	6.73	0.15	14.75	14.75	0.00	402	402	0.00	1.5	1.5	N	0.00
MW-31	8/10/2015	369.95	380	Y	2325	2329	0.17	6.78	6.80	0.29	15.25	15.25	0.00	442	438	0.91	2.4	2.5	N	4.08
MW-32	7/23/2015	334.32	360	Y	2371	2365	0.25	6.25	6.26	0.16	15.30	15.29	0.07	268	265	1.13	4.9	4.9	N	0.00
MW-35	8/10/2015	73.12	80	Y	4380	4387	0.16	6.36	6.40	0.63	15.14	15.16	0.13	440	436	0.91	4.0	4.1	N	2.47
MW-36	7/21/2015	67.40	70	Y	4860	4861	0.02	6.49	6.48	0.15	15.20	15.19	0.07	521	515	1.16	5.8	5.8	Y	0.00
MW-37	8/11/2015	NA	NA	Bailed dry	4609	4625	0.35	6.74	6.72	0.30	15.65	15.70	0.32	NM		NC	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: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated July Monthly																				
MW-11	7/7/2015	263.54	270	Y	2960	2951	0.30	7.52	7.5	0.27	15.13	15.15	0.13	358	348	2.83	0	0	Y	0.00
MW-14	7/7/2015	153.16	155	Y	3770	3785	0.40	6.59	6.57	0.30	16.59	16.55	0.24	400	397	0.75	0	0	Y	0.00
MW-25	7/6/2015	234.41	240	Y	3163	3164	0.03	6.71	6.70	0.15	14.95	14.96	0.07	388	386	0.52	3.4	3.5	Y	2.90
MW-26	7/7/2015		NA		3550		NC	6.87		NC	16.91		NC	350		NC	0		Y	NC
MW-30	7/7/2015	207.93	210	Y	2045	2047	0.10	6.87	6.85	0.29	14.75	14.74	0.07	410	404	1.47	0	0	Y	0.00
MW-31	7/6/2015	369.83	380	Y	2171	2170	0.05	7.24	7.22	0.28	14.96	14.95	0.07	389	389	0.00	1.1	1.1	Y	0.00
MW-35	7/7/2015	73.36	75	Y	4090	4100	0.24	6.57	6.56	0.15	15.17	15.15	0.13	350	349	0.29	0	0	Y	0.00
Accelerated September Monthly																				
MW-11	9/16/2015	264.20	270	Y	2988	2980	0.27	7.26	7.25	0.14	15.69	15.68	0.06	355	347	2.28	6.0	6.1	N	1.65
MW-14	9/16/2015	153.65	165	Y	3991	3993	0.05	6.50	6.51	0.15	14.98	14.99	0.07	403	403	0.00	12	12	N	0.00
MW-25	9/15/2015	233.51	240	Y	3265	3219	1.42	6.56	6.58	0.30	14.95	14.97	0.13	400	400	0.00	102	104	N	1.94
MW-26	9/16/2015		NA		3547		NC	6.48			16.42			237			19.0		N	NC
MW-30	9/15/2015	208.23	210	Y	1979	1991	0.60	6.63	6.65	0.30	15.05	15.04	0.07	358	357	0.28	8	8	N	0.00
MW-31	9/15/2015	370.73	380	Y	2270	2276	0.26	6.71	6.73	0.30	15.11	15.06	0.33	369	366	0.82	16	16	N	0.00
MW-35	9/15/2015	73.78	75	Y	4254	4252	0.05	6.52	6.52	0.00	15.05	15.01	0.27	385	382	0.78	11	11	N	0.00
MW-35 Resample	9/22/2015	73.36	75	Y	3415	3418	0.09	6.39	6.41	0.31	14.88	14.85	0.20	479	477	0.42	0	0	Y	0.00
MW-35 Resample	9/28/2015	73.42	80	Y	4043	4050	0.17	6.5	6.49	0.15	15.85	15.86	0.06	316	313	0.95	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: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Toluene	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Tetrahydrofuran	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Xylenes, Total	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Carbon tetrachloride	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Acetone	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Chloroform	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Benzene	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Chloromethane	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Methylene chloride	7/21/2015	7/23/2015	2	14	OK
Trip Blank	2-Butanone	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Naphthalene	7/21/2015	7/23/2015	2	14	OK
Trip Blank	Tetrahydrofuran	7/27/2015	7/30/2015	3	14	OK
Trip Blank	Toluene	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Acetone	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Chloroform	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Benzene	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Chloromethane	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
Trip Blank	2-Butanone	8/10/2015	8/14/2015	4	14	OK
Trip Blank	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-01	Tetrahydrofuran	7/27/2015	7/30/2015	3	14	OK
MW-01	Sulfate	7/27/2015	7/31/2015	4	28	OK
MW-03	Sulfate	7/28/2015	7/31/2015	3	28	OK
MW-03	Fluoride	7/28/2015	7/31/2015	3	28	OK
MW-03	Selenium	7/28/2015	8/10/2015	13	180	OK
MW-03	Nitrate/Nitrite (as N)	7/28/2015	8/8/2015	11	28	OK
MW-03A	Sulfate	7/29/2015	7/31/2015	2	28	OK
MW-03A	Selenium	7/29/2015	8/10/2015	12	180	OK
MW-03A	Nitrate/Nitrite (as N)	7/29/2015	8/8/2015	10	28	OK
MW-03A	Total Dissolved Solids	7/29/2015	7/31/2015	2	7	OK
MW-05	Uranium	7/21/2015	7/27/2015	6	180	OK
MW-11	Gross Radium Alpha	8/10/2015	9/8/2015	29	180	OK
MW-11	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-11	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-11	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-11	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-11	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-11	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-11	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-11	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-11	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-11	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-11	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-11	Iron	8/10/2015	8/26/2015	16	180	OK
MW-11	Lead	8/10/2015	8/26/2015	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-11	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-11	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-11	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-11	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-11	Potassium	8/10/2015	8/19/2015	9	180	OK
MW-11	Silver	8/10/2015	8/26/2015	16	180	OK
MW-11	Sodium	8/10/2015	8/19/2015	9	180	OK
MW-11	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-11	Tin	8/10/2015	8/26/2015	16	180	OK
MW-11	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-11	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-11	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-11	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-11	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-11	Copper	8/10/2015	8/26/2015	16	180	OK
MW-11	Uranium	8/10/2015	8/27/2015	17	180	OK
MW-11	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-11	Zinc	8/10/2015	8/26/2015	16	180	OK
MW-11	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-11	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-11	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-11	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-11	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-11	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-11	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-11	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-11	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-11	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK
MW-12	Selenium	7/21/2015	7/27/2015	6	180	OK
MW-14	Gross Radium Alpha	8/11/2015	9/8/2015	28	180	OK
MW-14	Toluene	8/11/2015	8/14/2015	3	14	OK
MW-14	Tetrahydrofuran	8/11/2015	8/14/2015	3	14	OK
MW-14	Xylenes, Total	8/11/2015	8/14/2015	3	14	OK
MW-14	Sulfate	8/11/2015	8/24/2015	13	28	OK
MW-14	Chloride	8/11/2015	8/24/2015	13	28	OK
MW-14	Fluoride	8/11/2015	8/25/2015	14	28	OK
MW-14	Carbon tetrachloride	8/11/2015	8/14/2015	3	14	OK
MW-14	Acetone	8/11/2015	8/14/2015	3	14	OK
MW-14	Chloroform	8/11/2015	8/14/2015	3	14	OK
MW-14	Benzene	8/11/2015	8/14/2015	3	14	OK
MW-14	Chloromethane	8/11/2015	8/14/2015	3	14	OK
MW-14	Iron	8/11/2015	8/26/2015	15	180	OK
MW-14	Lead	8/11/2015	8/26/2015	15	180	OK
MW-14	Magnesium	8/11/2015	8/19/2015	8	180	OK
MW-14	Manganese	8/11/2015	8/26/2015	15	180	OK
MW-14	Mercury	8/11/2015	8/19/2015	8	180	OK
MW-14	Molybdenum	8/11/2015	8/26/2015	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-14	Nickel	8/11/2015	8/26/2015	15	180	OK
MW-14	Potassium	8/11/2015	8/19/2015	8	180	OK
MW-14	Silver	8/11/2015	8/26/2015	15	180	OK
MW-14	Sodium	8/11/2015	8/19/2015	8	180	OK
MW-14	Thallium	8/11/2015	8/26/2015	15	180	OK
MW-14	Tin	8/11/2015	8/26/2015	15	180	OK
MW-14	Arsenic	8/11/2015	8/26/2015	15	180	OK
MW-14	Beryllium	8/11/2015	8/26/2015	15	180	OK
MW-14	Cadmium	8/11/2015	8/26/2015	15	180	OK
MW-14	Chromium	8/11/2015	8/26/2015	15	180	OK
MW-14	Cobalt	8/11/2015	8/26/2015	15	180	OK
MW-14	Copper	8/11/2015	8/26/2015	15	180	OK
MW-14	Uranium	8/11/2015	8/26/2015	15	180	OK
MW-14	Vanadium	8/11/2015	8/19/2015	8	180	OK
MW-14	Zinc	8/11/2015	8/26/2015	15	180	OK
MW-14	Calcium	8/11/2015	8/19/2015	8	180	OK
MW-14	Methylene chloride	8/11/2015	8/14/2015	3	14	OK
MW-14	Ammonia (as N)	8/11/2015	8/21/2015	10	28	OK
MW-14	Selenium	8/11/2015	8/26/2015	15	180	OK
MW-14	2-Butanone	8/11/2015	8/14/2015	3	14	OK
MW-14	Naphthalene	8/11/2015	8/14/2015	3	14	OK
MW-14	Bicarbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-14	Carbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-14	Nitrate/Nitrite (as N)	8/11/2015	8/25/2015	14	28	OK
MW-14	Total Dissolved Solids	8/11/2015	8/13/2015	2	7	OK
MW-15	Selenium	7/22/2015	7/27/2015	5	180	OK
MW-18	Sulfate	7/27/2015	7/31/2015	4	28	OK
MW-18	Thallium	7/27/2015	8/10/2015	14	180	OK
MW-18	Total Dissolved Solids	7/27/2015	7/31/2015	4	7	OK
MW-19	Nitrate/Nitrite (as N)	7/27/2015	8/8/2015	12	28	OK
MW-24	Sulfate	7/29/2015	7/31/2015	2	28	OK
MW-24	Fluoride	7/29/2015	7/31/2015	2	28	OK
MW-24	Thallium	7/29/2015	8/10/2015	12	180	OK
MW-24	Cadmium	7/29/2015	8/10/2015	12	180	OK
MW-25	Gross Radium Alpha	8/10/2015	9/8/2015	29	180	OK
MW-25	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-25	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-25	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-25	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-25	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-25	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-25	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-25	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-25	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-25	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-25	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-25	Iron	8/10/2015	8/26/2015	16	180	OK
MW-25	Lead	8/10/2015	8/26/2015	16	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-25	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-25	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-25	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-25	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-25	Potassium	8/10/2015	8/19/2015	9	180	OK
MW-25	Silver	8/10/2015	8/26/2015	16	180	OK
MW-25	Sodium	8/10/2015	8/19/2015	9	180	OK
MW-25	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-25	Tin	8/10/2015	8/26/2015	16	180	OK
MW-25	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-25	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-25	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-25	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-25	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-25	Copper	8/10/2015	8/26/2015	16	180	OK
MW-25	Uranium	8/10/2015	8/26/2015	16	180	OK
MW-25	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-25	Zinc	8/10/2015	8/26/2015	16	180	OK
MW-25	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-25	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-25	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-25	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-25	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-25	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-25	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-25	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-25	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-25	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK
MW-26	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-26	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-26	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-26	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-26	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-26	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-26	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-26	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-26	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-26	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-26	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-26	Iron	8/10/2015	8/26/2015	16	180	OK
MW-26	Lead	8/10/2015	8/26/2015	16	180	OK
MW-26	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-26	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-26	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-26	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-26	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-26	Potassium	8/10/2015	8/19/2015	9	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-26	Silver	8/10/2015	8/26/2015	16	180	OK
MW-26	Sodium	8/10/2015	8/19/2015	9	180	OK
MW-26	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-26	Tin	8/10/2015	8/26/2015	16	180	OK
MW-26	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-26	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-26	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-26	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-26	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-26	Copper	8/10/2015	8/26/2015	16	180	OK
MW-26	Uranium	8/10/2015	8/26/2015	16	180	OK
MW-26	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-26	Zinc	8/10/2015	8/26/2015	16	180	OK
MW-26	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-26	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-26	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-26	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-26	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-26	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-26	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-26	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-26	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-26	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK
MW-26	Gross Radium Alpha	8/17/2015	9/8/2015	22	180	OK
MW-27	Gross Radium Alpha	7/21/2015	8/17/2015	27	180	OK
MW-27	Sulfate	7/21/2015	7/27/2015	6	28	OK
MW-27	Chloride	7/21/2015	7/27/2015	6	28	OK
MW-27	Nitrate/Nitrite (as N)	7/21/2015	8/3/2015	13	28	OK
MW-27	Total Dissolved Solids	7/21/2015	7/23/2015	2	7	OK
MW-28	Chloride	7/21/2015	7/27/2015	6	28	OK
MW-28	Cadmium	7/21/2015	7/27/2015	6	180	OK
MW-28	Uranium	7/21/2015	7/27/2015	6	180	OK
MW-28	Vanadium	7/21/2015	8/6/2015	16	180	OK
MW-29	Total Dissolved Solids	7/22/2015	7/23/2015	1	7	OK
MW-30	Gross Radium Alpha	8/11/2015	9/8/2015	28	180	OK
MW-30	Toluene	8/11/2015	8/14/2015	3	14	OK
MW-30	Tetrahydrofuran	8/11/2015	8/14/2015	3	14	OK
MW-30	Xylenes, Total	8/11/2015	8/14/2015	3	14	OK
MW-30	Sulfate	8/11/2015	8/24/2015	13	28	OK
MW-30	Chloride	8/11/2015	8/24/2015	13	28	OK
MW-30	Fluoride	8/11/2015	8/25/2015	14	28	OK
MW-30	Carbon tetrachloride	8/11/2015	8/14/2015	3	14	OK
MW-30	Acetone	8/11/2015	8/14/2015	3	14	OK
MW-30	Chloroform	8/11/2015	8/14/2015	3	14	OK
MW-30	Benzene	8/11/2015	8/14/2015	3	14	OK
MW-30	Chloromethane	8/11/2015	8/14/2015	3	14	OK
MW-30	Iron	8/11/2015	8/26/2015	15	180	OK
MW-30	Lead	8/11/2015	8/26/2015	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	Magnesium	8/11/2015	8/19/2015	8	180	OK
MW-30	Manganese	8/11/2015	8/26/2015	15	180	OK
MW-30	Mercury	8/11/2015	8/19/2015	8	180	OK
MW-30	Molybdenum	8/11/2015	8/26/2015	15	180	OK
MW-30	Nickel	8/11/2015	8/26/2015	15	180	OK
MW-30	Potassium	8/11/2015	8/19/2015	8	180	OK
MW-30	Silver	8/11/2015	8/26/2015	15	180	OK
MW-30	Sodium	8/11/2015	8/19/2015	8	180	OK
MW-30	Thallium	8/11/2015	8/26/2015	15	180	OK
MW-30	Tin	8/11/2015	8/26/2015	15	180	OK
MW-30	Arsenic	8/11/2015	8/26/2015	15	180	OK
MW-30	Beryllium	8/11/2015	8/26/2015	15	180	OK
MW-30	Cadmium	8/11/2015	8/26/2015	15	180	OK
MW-30	Chromium	8/11/2015	8/26/2015	15	180	OK
MW-30	Cobalt	8/11/2015	8/26/2015	15	180	OK
MW-30	Copper	8/11/2015	8/26/2015	15	180	OK
MW-30	Uranium	8/11/2015	8/26/2015	15	180	OK
MW-30	Vanadium	8/11/2015	8/19/2015	8	180	OK
MW-30	Zinc	8/11/2015	8/26/2015	15	180	OK
MW-30	Calcium	8/11/2015	8/19/2015	8	180	OK
MW-30	Methylene chloride	8/11/2015	8/14/2015	3	14	OK
MW-30	Ammonia (as N)	8/11/2015	8/21/2015	10	28	OK
MW-30	Selenium	8/11/2015	8/26/2015	15	180	OK
MW-30	2-Butanone	8/11/2015	8/14/2015	3	14	OK
MW-30	Naphthalene	8/11/2015	8/14/2015	3	14	OK
MW-30	Bicarbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-30	Carbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-30	Nitrate/Nitrite (as N)	8/11/2015	8/25/2015	14	28	OK
MW-30	Total Dissolved Solids	8/11/2015	8/13/2015	2	7	OK
MW-31	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-31	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-31	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-31	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-31	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-31	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-31	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-31	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-31	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-31	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-31	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-31	Iron	8/10/2015	8/26/2015	16	180	OK
MW-31	Lead	8/10/2015	8/26/2015	16	180	OK
MW-31	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-31	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-31	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-31	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-31	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-31	Potassium	8/10/2015	8/19/2015	9	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Silver	8/10/2015	8/26/2015	16	180	OK
MW-31	Sodium	8/10/2015	8/19/2015	9	180	OK
MW-31	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-31	Tin	8/10/2015	8/26/2015	16	180	OK
MW-31	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-31	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-31	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-31	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-31	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-31	Copper	8/10/2015	8/26/2015	16	180	OK
MW-31	Uranium	8/10/2015	8/26/2015	16	180	OK
MW-31	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-31	Zinc	8/10/2015	8/26/2015	16	180	OK
MW-31	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-31	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-31	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-31	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-31	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-31	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-31	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-31	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-31	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-31	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK
MW-31	Gross Radium Alpha	8/10/2015	9/8/2015	29	180	OK
MW-32	Gross Radium Alpha	7/23/2015	8/17/2015	25	180	OK
MW-32	Chloride	7/23/2015	7/31/2015	8	28	OK
MW-35	Gross Radium Alpha	8/10/2015	9/8/2015	29	180	OK
MW-35	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-35	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-35	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-35	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-35	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-35	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-35	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-35	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-35	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-35	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-35	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-35	Iron	8/10/2015	8/26/2015	16	180	OK
MW-35	Lead	8/10/2015	8/26/2015	16	180	OK
MW-35	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-35	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-35	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-35	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-35	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-35	Potassium	8/10/2015	8/19/2015	9	180	OK
MW-35	Silver	8/10/2015	8/26/2015	16	180	OK
MW-35	Sodium	8/10/2015	8/19/2015	9	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-35	Tin	8/10/2015	8/26/2015	16	180	OK
MW-35	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-35	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-35	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-35	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-35	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-35	Copper	8/10/2015	8/26/2015	16	180	OK
MW-35	Uranium	8/10/2015	8/26/2015	16	180	OK
MW-35	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-35	Zinc	8/10/2015	8/26/2015	16	180	OK
MW-35	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-35	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-35	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-35	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-35	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-35	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-35	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-35	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-35	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-35	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK
MW-36	Gross Radium Alpha	7/21/2015	8/17/2015	27	180	OK
MW-36	Toluene	7/21/2015	7/23/2015	2	14	OK
MW-36	Tetrahydrofuran	7/21/2015	7/23/2015	2	14	OK
MW-36	Xylenes, Total	7/21/2015	7/23/2015	2	14	OK
MW-36	Sulfate	7/21/2015	7/27/2015	6	28	OK
MW-36	Chloride	7/21/2015	7/27/2015	6	28	OK
MW-36	Fluoride	7/21/2015	7/27/2015	6	28	OK
MW-36	Carbon tetrachloride	7/21/2015	7/23/2015	2	14	OK
MW-36	Acetone	7/21/2015	7/23/2015	2	14	OK
MW-36	Chloroform	7/21/2015	7/23/2015	2	14	OK
MW-36	Benzene	7/21/2015	7/23/2015	2	14	OK
MW-36	Chloromethane	7/21/2015	7/23/2015	2	14	OK
MW-36	Iron	7/21/2015	7/27/2015	6	180	OK
MW-36	Lead	7/21/2015	7/27/2015	6	180	OK
MW-36	Magnesium	7/21/2015	8/6/2015	16	180	OK
MW-36	Manganese	7/21/2015	7/27/2015	6	180	OK
MW-36	Mercury	7/21/2015	7/31/2015	10	180	OK
MW-36	Molybdenum	7/21/2015	7/27/2015	6	180	OK
MW-36	Nickel	7/21/2015	7/27/2015	6	180	OK
MW-36	Potassium	7/21/2015	8/6/2015	16	180	OK
MW-36	Silver	7/21/2015	7/27/2015	6	180	OK
MW-36	Sodium	7/21/2015	8/4/2015	14	180	OK
MW-36	Thallium	7/21/2015	7/27/2015	6	180	OK
MW-36	Tin	7/21/2015	7/27/2015	6	180	OK
MW-36	Arsenic	7/21/2015	7/27/2015	6	180	OK
MW-36	Beryllium	7/21/2015	7/27/2015	6	180	OK
MW-36	Cadmium	7/21/2015	7/27/2015	6	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	Chromium	7/21/2015	7/27/2015	6	180	OK
MW-36	Cobalt	7/21/2015	7/27/2015	6	180	OK
MW-36	Copper	7/21/2015	8/4/2015	14	180	OK
MW-36	Uranium	7/21/2015	7/27/2015	6	180	OK
MW-36	Vanadium	7/21/2015	8/6/2015	16	180	OK
MW-36	Zinc	7/21/2015	7/27/2015	6	180	OK
MW-36	Calcium	7/21/2015	8/6/2015	16	180	OK
MW-36	Methylene chloride	7/21/2015	7/23/2015	2	14	OK
MW-36	Ammonia (as N)	7/21/2015	7/29/2015	8	28	OK
MW-36	Selenium	7/21/2015	7/27/2015	6	180	OK
MW-36	2-Butanone	7/21/2015	7/23/2015	2	14	OK
MW-36	Naphthalene	7/21/2015	7/23/2015	2	14	OK
MW-36	Bicarbonate (as CaCO3)	7/21/2015	7/28/2015	7	14	OK
MW-36	Carbonate (as CaCO3)	7/21/2015	7/28/2015	7	14	OK
MW-36	Nitrate/Nitrite (as N)	7/21/2015	8/3/2015	13	28	OK
MW-36	Total Dissolved Solids	7/21/2015	7/23/2015	2	7	OK
MW-37	Gross Radium Alpha	8/11/2015	9/8/2015	28	180	OK
MW-37	Toluene	8/11/2015	8/14/2015	3	14	OK
MW-37	Tetrahydrofuran	8/11/2015	8/14/2015	3	14	OK
MW-37	Xylenes, Total	8/11/2015	8/14/2015	3	14	OK
MW-37	Sulfate	8/11/2015	8/24/2015	13	28	OK
MW-37	Chloride	8/11/2015	8/24/2015	13	28	OK
MW-37	Fluoride	8/11/2015	8/25/2015	14	28	OK
MW-37	Carbon tetrachloride	8/11/2015	8/14/2015	3	14	OK
MW-37	Acetone	8/11/2015	8/14/2015	3	14	OK
MW-37	Chloroform	8/11/2015	8/14/2015	3	14	OK
MW-37	Benzene	8/11/2015	8/14/2015	3	14	OK
MW-37	Chloromethane	8/11/2015	8/14/2015	3	14	OK
MW-37	Iron	8/11/2015	8/26/2015	15	180	OK
MW-37	Lead	8/11/2015	8/26/2015	15	180	OK
MW-37	Magnesium	8/11/2015	8/19/2015	8	180	OK
MW-37	Manganese	8/11/2015	8/26/2015	15	180	OK
MW-37	Mercury	8/11/2015	8/19/2015	8	180	OK
MW-37	Molybdenum	8/11/2015	8/26/2015	15	180	OK
MW-37	Nickel	8/11/2015	8/26/2015	15	180	OK
MW-37	Potassium	8/11/2015	8/19/2015	8	180	OK
MW-37	Silver	8/11/2015	8/26/2015	15	180	OK
MW-37	Sodium	8/11/2015	8/19/2015	8	180	OK
MW-37	Thallium	8/11/2015	8/26/2015	15	180	OK
MW-37	Tin	8/11/2015	8/26/2015	15	180	OK
MW-37	Arsenic	8/11/2015	8/26/2015	15	180	OK
MW-37	Beryllium	8/11/2015	8/26/2015	15	180	OK
MW-37	Cadmium	8/11/2015	8/26/2015	15	180	OK
MW-37	Chromium	8/11/2015	8/26/2015	15	180	OK
MW-37	Cobalt	8/11/2015	8/26/2015	15	180	OK
MW-37	Copper	8/11/2015	8/26/2015	15	180	OK
MW-37	Uranium	8/11/2015	8/26/2015	15	180	OK
MW-37	Vanadium	8/11/2015	8/19/2015	8	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-37	Zinc	8/11/2015	8/26/2015	15	180	OK
MW-37	Calcium	8/11/2015	8/19/2015	8	180	OK
MW-37	Methylene chloride	8/11/2015	8/14/2015	3	14	OK
MW-37	Ammonia (as N)	8/11/2015	8/21/2015	10	28	OK
MW-37	Selenium	8/11/2015	8/26/2015	15	180	OK
MW-37	2-Butanone	8/11/2015	8/14/2015	3	14	OK
MW-37	Naphthalene	8/11/2015	8/14/2015	3	14	OK
MW-37	Bicarbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-37	Carbonate (as CaCO3)	8/11/2015	8/14/2015	3	14	OK
MW-37	Nitrate/Nitrite (as N)	8/11/2015	8/25/2015	14	28	OK
MW-37	Total Dissolved Solids	8/11/2015	8/13/2015	2	7	OK
MW-65	Sulfate	7/28/2015	7/31/2015	3	28	OK
MW-65	Fluoride	7/28/2015	7/31/2015	3	28	OK
MW-65	Selenium	7/28/2015	8/10/2015	13	180	OK
MW-65	Nitrate/Nitrite (as N)	7/28/2015	8/8/2015	11	28	OK
MW-70	Gross Radium Alpha	8/10/2015	9/8/2015	29	180	OK
MW-70	Toluene	8/10/2015	8/14/2015	4	14	OK
MW-70	Tetrahydrofuran	8/10/2015	8/14/2015	4	14	OK
MW-70	Xylenes, Total	8/10/2015	8/14/2015	4	14	OK
MW-70	Sulfate	8/10/2015	8/24/2015	14	28	OK
MW-70	Chloride	8/10/2015	8/24/2015	14	28	OK
MW-70	Fluoride	8/10/2015	8/25/2015	15	28	OK
MW-70	Carbon tetrachloride	8/10/2015	8/14/2015	4	14	OK
MW-70	Acetone	8/10/2015	8/14/2015	4	14	OK
MW-70	Chloroform	8/10/2015	8/14/2015	4	14	OK
MW-70	Benzene	8/10/2015	8/14/2015	4	14	OK
MW-70	Chloromethane	8/10/2015	8/14/2015	4	14	OK
MW-70	Iron	8/10/2015	8/26/2015	16	180	OK
MW-70	Lead	8/10/2015	8/26/2015	16	180	OK
MW-70	Magnesium	8/10/2015	8/19/2015	9	180	OK
MW-70	Manganese	8/10/2015	8/26/2015	16	180	OK
MW-70	Mercury	8/10/2015	8/19/2015	9	180	OK
MW-70	Molybdenum	8/10/2015	8/26/2015	16	180	OK
MW-70	Nickel	8/10/2015	8/26/2015	16	180	OK
MW-70	Potassium	8/10/2015	8/19/2015	9	180	OK
MW-70	Silver	8/10/2015	8/26/2015	16	180	OK
MW-70	Sodium	8/10/2015	8/19/2015	9	180	OK
MW-70	Thallium	8/10/2015	8/26/2015	16	180	OK
MW-70	Tin	8/10/2015	8/26/2015	16	180	OK
MW-70	Arsenic	8/10/2015	8/26/2015	16	180	OK
MW-70	Beryllium	8/10/2015	8/26/2015	16	180	OK
MW-70	Cadmium	8/10/2015	8/26/2015	16	180	OK
MW-70	Chromium	8/10/2015	8/26/2015	16	180	OK
MW-70	Cobalt	8/10/2015	8/26/2015	16	180	OK
MW-70	Copper	8/10/2015	8/26/2015	16	180	OK
MW-70	Uranium	8/10/2015	8/26/2015	16	180	OK
MW-70	Vanadium	8/10/2015	8/19/2015	9	180	OK
MW-70	Zinc	8/10/2015	8/26/2015	16	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-70	Calcium	8/10/2015	8/19/2015	9	180	OK
MW-70	Methylene chloride	8/10/2015	8/14/2015	4	14	OK
MW-70	Ammonia (as N)	8/10/2015	8/21/2015	11	28	OK
MW-70	Selenium	8/10/2015	8/26/2015	16	180	OK
MW-70	2-Butanone	8/10/2015	8/14/2015	4	14	OK
MW-70	Naphthalene	8/10/2015	8/14/2015	4	14	OK
MW-70	Bicarbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-70	Carbonate (as CaCO3)	8/10/2015	8/14/2015	4	14	OK
MW-70	Nitrate/Nitrite (as N)	8/10/2015	8/25/2015	15	28	OK
MW-70	Total Dissolved Solids	8/10/2015	8/13/2015	3	7	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	7/7/2015	7/10/2015	3	14	OK
Trip Blank	Methylene chloride	7/7/2015	7/10/2015	3	14	OK
Trip Blank	Chloroform	9/16/2015	9/18/2015	2	14	OK
Trip Blank	Methylene chloride	9/16/2015	9/18/2015	2	14	OK
MW-11	Manganese	7/7/2015	7/13/2015	6	180	OK
MW-11	Manganese	9/16/2015	9/22/2015	6	180	OK
MW-25	Cadmium	7/6/2015	7/13/2015	7	180	OK
MW-25	Uranium	7/6/2015	7/13/2015	7	180	OK
MW-25	Cadmium	9/15/2015	9/22/2015	7	180	OK
MW-25	Uranium	9/15/2015	9/22/2015	7	180	OK
MW-26	Chloride	7/7/2015	7/20/2015	13	28	OK
MW-26	Chloroform	7/7/2015	7/10/2015	3	14	OK
MW-26	Uranium	7/7/2015	7/13/2015	6	180	OK
MW-26	Methylene chloride	7/7/2015	7/10/2015	3	14	OK
MW-26	Nitrate/Nitrite (as N)	7/7/2015	7/15/2015	8	28	OK
MW-26	Chloride	9/16/2015	9/23/2015	7	28	OK
MW-26	Chloroform	9/16/2015	9/18/2015	2	14	OK
MW-26	Uranium	9/16/2015	9/22/2015	6	180	OK
MW-26	Methylene chloride	9/16/2015	9/18/2015	2	14	OK
MW-26	Nitrate/Nitrite (as N)	9/16/2015	9/22/2015	6	28	OK
MW-30	Chloride	7/7/2015	7/20/2015	13	28	OK
MW-30	Uranium	7/7/2015	7/13/2015	6	180	OK
MW-30	Ammonia (as N)	7/7/2015	7/21/2015	14	28	OK
MW-30	Selenium	7/7/2015	7/13/2015	6	180	OK
MW-30	Nitrate/Nitrite (as N)	7/7/2015	7/15/2015	8	28	OK
MW-30	Chloride	9/15/2015	9/23/2015	8	28	OK
MW-30	Uranium	9/15/2015	9/22/2015	7	180	OK
MW-30	Ammonia (as N)	9/15/2015	9/23/2015	8	28	OK
MW-30	Selenium	9/15/2015	9/22/2015	7	180	OK
MW-30	Nitrate/Nitrite (as N)	9/15/2015	9/30/2015	15	28	OK
MW-31	Sulfate	7/6/2015	7/21/2015	15	28	OK
MW-31	Chloride	7/6/2015	7/21/2015	15	28	OK
MW-31	Selenium	7/6/2015	7/13/2015	7	180	OK
MW-31	Nitrate/Nitrite (as N)	7/6/2015	7/15/2015	9	28	OK
MW-31	Total Dissolved Solids	7/6/2015	7/10/2015	4	7	OK
MW-31	Sulfate	9/15/2015	9/23/2015	8	28	OK
MW-31	Chloride	9/15/2015	9/23/2015	8	28	OK
MW-31	Selenium	9/15/2015	9/22/2015	7	180	OK
MW-31	Nitrate/Nitrite (as N)	9/15/2015	9/30/2015	15	28	OK
MW-31	Total Dissolved Solids	9/15/2015	9/21/2015	6	7	OK
MW-35	Manganese	7/7/2015	7/13/2015	6	180	OK
MW-35	Thallium	7/7/2015	7/13/2015	6	180	OK
MW-35	Uranium	7/7/2015	7/13/2015	6	180	OK
MW-35	Selenium	7/7/2015	7/13/2015	6	180	OK
MW-35	Gross Radium Alpha	7/7/2015	7/23/2015	16	180	OK
MW-35	Gross Radium Alpha	9/15/2015	9/30/2015	15	180	OK
MW-35	Manganese	9/15/2015	9/22/2015	7	180	OK
MW-35	Thallium	9/15/2015	9/23/2015	8	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Uranium	9/15/2015	9/22/2015	7	180	OK
MW-35	Selenium	9/15/2015	9/22/2015	7	180	OK
MW-35	Manganese	9/22/2015	10/8/2015	16	180	OK
MW-35	Thallium	9/22/2015	10/8/2015	16	180	OK
MW-35	Uranium	9/22/2015	10/8/2015	16	180	OK
MW-35	Selenium	9/22/2015	10/8/2015	16	180	OK
MW-35	Gross Radium Alpha	9/28/2015	10/9/2015	11	180	OK
MW-65	Manganese	7/7/2015	7/13/2015	6	180	OK
MW-65	Manganese	9/16/2015	9/22/2015	6	180	OK
MW-70	Manganese	9/22/2015	10/8/2015	16	180	OK
MW-70	Thallium	9/22/2015	10/8/2015	16	180	OK
MW-70	Uranium	9/22/2015	10/8/2015	16	180	OK
MW-70	Selenium	9/22/2015	10/8/2015	16	180	OK
MW-70	Gross Radium Alpha	9/28/2015	10/9/2015	11	180	OK

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 378370	MW-27, MW-32, MW-36	NA
GEL 379372	MW-11, MW-14, MW-25, MW-30, MW-31, MW-35, MW-37, MW-70	NA
GEL 379499	MW-26, MW-36, MW-70, Trip Blank	NA
AWAL 1507399	MW-05, MW-12, MW-15, MW-27, MW-28, MW-29, MW-36, Trip Blank	3.6 °C
AWAL 1507505	MW-01, MW-03, MW-03A, MW-18, MW-19, MW-24, MW-32, MW-65, Trip Blank	2.4 °C
AWAL 1508249	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-37, MW-70, Trip Blank	3.1 °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: Accelerated Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 376891	MW-35	NA
AWAL 1507150	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	3.1 °C
GEL 381518	MW-35	NA
GEL 382142	MW-35, MW-70	NA
AWAL 1509381	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	2.8 °C
AWAL 1509520	MW-35, MW-70	3.6 °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: Quarterly Sample 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 CO3, Bicarbonate as HCO3	A2320 B	A2320 B
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Accelerated Sample 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 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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	Sulfate	100	mg/L		100	1	OK
MW-01	Tetrahydrofuran	1	ug/L		1	1	OK
MW-03	Fluoride	0.1	mg/L		1	0.1	OK
MW-03	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-03	Selenium	5	ug/L		20	5	OK
MW-03	Sulfate	1000	mg/L		1000	1	OK
MW-03A	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-03A	Selenium	5	ug/L		20	5	OK
MW-03A	Sulfate	1000	mg/L		1000	1	OK
MW-03A	Total Dissolved Solids	20	MG/L		2	10	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Chloride	10	mg/L		10	1	OK
MW-11	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Sulfate	1000	mg/L		1000	1	OK
MW-11	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-11	Toluene	1	ug/L	U	1	1	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-11	Total Dissolved Solids	20	MG/L		2	10	OK
MW-11	Gross Radium Alpha	0.971	pCi/L	U	1	1	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Zinc	10	ug/L		20	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-11	Calcium	50	mg/L		50	0.5	OK
MW-11	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Selenium	5	ug/L	U	20	5	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-11	Chromium	25	ug/L	U	20	25	OK
MW-11	Cobalt	10	ug/L	U	20	10	OK
MW-11	Copper	10	ug/L	U	20	10	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Potassium	1	mg/L		1	0.5	OK
MW-11	Silver	10	ug/L	U	20	10	OK
MW-11	Sodium	50	mg/L		50	0.5	OK
MW-11	Thallium	0.5	ug/L	U	5	0.5	OK
MW-11	Tin	100	ug/L	U	20	100	OK
MW-11	Arsenic	5	ug/L	U	20	5	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	1	mg/L		1	0.5	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Mercury	0.5	ug/L	U	1	0.5	OK
MW-11	Molybdenum	10	ug/L	U	20	10	OK
MW-11	Nickel	20	ug/L	U	20	20	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	OK
MW-11	Iron	30	ug/L		5	30	OK
MW-12	Selenium	5	ug/L		20	5	OK
MW-14	Toluene	1	ug/L	U	1	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Sulfate	1000	mg/L		1000	1	OK
MW-14	Chloride	10	mg/L		10	1	OK
MW-14	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-14	Total Dissolved Solids	20	MG/L		2	10	OK
MW-14	Gross Radium Alpha	0.994	pCi/L	U	1	1	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Zinc	10	ug/L		20	10	OK
MW-14	Calcium	50	mg/L		50	0.5	OK
MW-14	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-14	Cadmium	0.5	ug/L		20	0.5	OK
MW-14	Chromium	25	ug/L	U	20	25	OK
MW-14	Cobalt	10	ug/L	U	20	10	OK
MW-14	Copper	10	ug/L	U	20	10	OK
MW-14	Uranium	0.75	ug/L		5	0.3	OK
MW-14	Potassium	1	mg/L		1	0.5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	50	mg/L		50	0.5	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK
MW-14	Tin	100	ug/L	U	20	100	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	Lead	1	ug/L	U	5	1	OK
MW-14	Magnesium	50	mg/L		50	0.5	OK
MW-14	Manganese	10	ug/L		20	10	OK
MW-14	Mercury	0.5	ug/L	U	1	0.5	OK
MW-14	Molybdenum	10	ug/L	U	20	10	OK
MW-14	Nickel	20	ug/L	U	20	20	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	OK
MW-14	Iron	30	ug/L	U	5	30	OK
MW-15	Selenium	5	ug/L		20	5	OK
MW-18	Sulfate	1000	mg/L		1000	1	OK
MW-18	Thallium	0.5	ug/L		5	0.5	OK
MW-18	Total Dissolved Solids	20	MG/L		2	10	OK
MW-19	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Sulfate	1000	mg/L		1000	1	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-25	Total Dissolved Solids	20	MG/L		2	10	OK
MW-25	Gross Radium Alpha	0.963	pCi/L	U	1	1	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Zinc	10	ug/L		20	10	OK
MW-25	Calcium	50	mg/L		50	0.5	OK
MW-25	Methylene chloride	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Selenium	5	ug/L	U	20	5	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Chromium	25	ug/L	U	20	25	OK
MW-25	Cobalt	10	ug/L	U	20	10	OK
MW-25	Copper	10	ug/L	U	20	10	OK
MW-25	Uranium	0.75	ug/L		5	0.3	OK
MW-25	Potassium	1	mg/L		1	0.5	OK
MW-25	Silver	10	ug/L	U	20	10	OK
MW-25	Sodium	50	mg/L		50	0.5	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	20	100	OK
MW-25	Arsenic	5	ug/L	U	20	5	OK
MW-25	Lead	1	ug/L	U	5	1	OK
MW-25	Magnesium	50	mg/L		50	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	Mercury	0.5	ug/L	U	1	0.5	OK
MW-25	Molybdenum	10	ug/L		20	10	OK
MW-25	Nickel	20	ug/L	U	20	20	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-26	Toluene	1	ug/L	U	1	1	OK
MW-26	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Sulfate	1000	mg/L		1000	1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-26	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Zinc	10	ug/L		20	10	OK
MW-26	Calcium	50	mg/L		50	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Selenium	5	ug/L		20	5	OK
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-26	Chromium	25	ug/L	U	20	25	OK
MW-26	Cobalt	10	ug/L	U	20	10	OK
MW-26	Copper	10	ug/L	U	20	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Uranium	0.75	ug/L		5	0.3	OK
MW-26	Potassium	1	mg/L		1	0.5	OK
MW-26	Silver	10	ug/L	U	20	10	OK
MW-26	Sodium	50	mg/L		50	0.5	OK
MW-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	20	100	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK
MW-26	Lead	1	ug/L	U	5	1	OK
MW-26	Magnesium	50	mg/L		50	0.5	OK
MW-26	Manganese	10	ug/L		20	10	OK
MW-26	Mercury	0.5	ug/L	U	1	0.5	OK
MW-26	Molybdenum	10	ug/L	U	20	10	OK
MW-26	Nickel	20	ug/L	U	20	20	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Chloroform	20	ug/L		20	1	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Chloromethane	1	ug/L		1	1	OK
MW-26	Iron	120	ug/L		20	30	OK
MW-26	Gross Radium Alpha	0.996	pCi/L		1	1	OK
MW-27	Sulfate	100	mg/L		100	1	OK
MW-27	Chloride	10	mg/L		10	1	OK
MW-27	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-27	Total Dissolved Solids	20	MG/L		2	10	OK
MW-27	Gross Radium Alpha	0.81	pCi/L	U	1	1	OK
MW-28	Chloride	100	mg/L		100	1	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	1	15	OK
MW-29	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Toluene	1	ug/L	U	1	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Sulfate	100	mg/L		100	1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-30	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Gross Radium Alpha	0.978	pCi/L	U	1	1	OK
MW-30	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Zinc	10	ug/L		20	10	OK
MW-30	Calcium	50	mg/L		50	0.5	OK
MW-30	Methylene chloride	1	ug/L	U	1	1	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-30	Chromium	25	ug/L	U	20	25	OK
MW-30	Cobalt	10	ug/L	U	20	10	OK
MW-30	Copper	10	ug/L	U	20	10	OK
MW-30	Uranium	0.75	ug/L		5	0.3	OK
MW-30	Potassium	1	mg/L		1	0.5	OK
MW-30	Silver	10	ug/L	U	20	10	OK
MW-30	Sodium	50	mg/L		50	0.5	OK
MW-30	Thallium	0.5	ug/L	U	5	0.5	OK
MW-30	Tin	100	ug/L	U	20	100	OK
MW-30	Arsenic	5	ug/L	U	20	5	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	50	mg/L		50	0.5	OK
MW-30	Manganese	10	ug/L		20	10	OK
MW-30	Mercury	0.5	ug/L	U	1	0.5	OK
MW-30	Molybdenum	10	ug/L	U	20	10	OK
MW-30	Nickel	20	ug/L	U	20	20	OK
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Gross Radium Alpha	0.995	pCi/L		1	1	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Zinc	10	ug/L		20	10	OK
MW-31	Calcium	50	mg/L		50	0.5	OK
MW-31	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-31	Chromium	25	ug/L	U	20	25	OK
MW-31	Cobalt	10	ug/L	U	20	10	OK
MW-31	Copper	10	ug/L	U	20	10	OK
MW-31	Uranium	0.75	ug/L		5	0.3	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	Potassium	1	mg/L		1	0.5	OK
MW-31	Silver	10	ug/L	U	20	10	OK
MW-31	Sodium	50	mg/L		50	0.5	OK
MW-31	Thallium	0.5	ug/L	U	5	0.5	OK
MW-31	Tin	100	ug/L	U	20	100	OK
MW-31	Arsenic	5	ug/L	U	20	5	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	50	mg/L		50	0.5	OK
MW-31	Manganese	10	ug/L	U	20	10	OK
MW-31	Mercury	0.5	ug/L	U	1	0.5	OK
MW-31	Molybdenum	10	ug/L	U	20	10	OK
MW-31	Nickel	20	ug/L	U	20	20	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-32	Gross Radium Alpha	0.601	pCi/L		1	1	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Sulfate	1000	mg/L		1000	1	OK
MW-35	Chloride	10	mg/L		10	1	OK
MW-35	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-35	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Gross Radium Alpha	0.96	pCi/L		1	1	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Zinc	10	ug/L		20	10	OK
MW-35	Calcium	50	mg/L		50	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-35	Chromium	25	ug/L	U	20	25	OK
MW-35	Cobalt	10	ug/L	U	20	10	OK
MW-35	Copper	10	ug/L	U	20	10	OK
MW-35	Uranium	0.75	ug/L		5	0.3	OK
MW-35	Potassium	1	mg/L		1	0.5	OK
MW-35	Silver	10	ug/L	U	20	10	OK
MW-35	Sodium	50	mg/L		50	0.5	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Tin	100	ug/L	U	20	100	OK
MW-35	Arsenic	5	ug/L	U	20	5	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	50	mg/L		50	0.5	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK
MW-35	Molybdenum	10	ug/L	U	20	10	OK
MW-35	Nickel	20	ug/L	U	20	20	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK
MW-36	Chloride	10	mg/L		10	1	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-36	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Gross Radium Alpha	0.519	pCi/L	U	1	1	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Zinc	10	ug/L	U	20	10	OK
MW-36	Calcium	10	mg/L		10	0.5	OK
MW-36	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-36	Selenium	5	ug/L		20	5	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-36	Chromium	25	ug/L	U	20	25	OK
MW-36	Cobalt	10	ug/L	U	20	10	OK
MW-36	Copper	10	ug/L	U	20	10	OK
MW-36	Uranium	0.75	ug/L		5	0.3	OK
MW-36	Potassium	1	mg/L		1	0.5	OK
MW-36	Silver	10	ug/L	U	20	10	OK
MW-36	Sodium	100	mg/L		100	0.5	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	20	100	OK
MW-36	Arsenic	5	ug/L	U	20	5	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	10	mg/L		10	0.5	OK
MW-36	Manganese	10	ug/L	U	20	10	OK
MW-36	Mercury	0.5	ug/L	U	1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	Molybdenum	10	ug/L	U	20	10	OK
MW-36	Nickel	20	ug/L	U	20	20	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Sulfate	1000	mg/L		1000	1	OK
MW-37	Chloride	10	mg/L		10	1	OK
MW-37	Fluoride	0.1	mg/L	U	1	0.1	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-37	Total Dissolved Solids	20	MG/L		2	10	OK
MW-37	Gross Radium Alpha	0.968	pCi/L	U	1	1	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-37	Calcium	50	mg/L		50	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Selenium	5	ug/L		20	5	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-37	Chromium	25	ug/L	U	20	25	OK
MW-37	Cobalt	10	ug/L	U	20	10	OK
MW-37	Copper	10	ug/L	U	20	10	OK
MW-37	Uranium	0.75	ug/L		5	0.3	OK
MW-37	Potassium	1	mg/L		1	0.5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	50	mg/L		50	0.5	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Lead	1	ug/L	U	5	1	OK
MW-37	Magnesium	50	mg/L		50	0.5	OK
MW-37	Manganese	10	ug/L	U	20	10	OK
MW-37	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Molybdenum	10	ug/L	U	20	10	OK
MW-37	Nickel	20	ug/L	U	20	20	OK
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Benzene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-37	Chloromethane	1	ug/L	U	1	1	OK
MW-37	Iron	30	ug/L	U	5	30	OK
MW-65	Sulfate	1000	mg/L		1000	1	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-70	Toluene	1	ug/L	U	1	1	OK
MW-70	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-70	Xylenes, Total	1	ug/L	U	1	1	OK
MW-70	Sulfate	1000	mg/L		1000	1	OK
MW-70	Chloride	10	mg/L		10	1	OK
MW-70	Fluoride	0.1	mg/L		1	0.1	OK
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-70	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Gross Radium Alpha	0.973	pCi/L		1	1	OK
MW-70	2-Butanone	20	ug/L	U	1	20	OK
MW-70	Naphthalene	1	ug/L	U	1	1	OK
MW-70	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-70	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Vanadium	15	ug/L	U	1	15	OK
MW-70	Zinc	10	ug/L		20	10	OK
MW-70	Calcium	50	mg/L		50	0.5	OK
MW-70	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-70	Selenium	5	ug/L		20	5	OK
MW-70	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-70	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-70	Chromium	25	ug/L	U	20	25	OK
MW-70	Cobalt	10	ug/L	U	20	10	OK
MW-70	Copper	10	ug/L	U	20	10	OK
MW-70	Uranium	0.75	ug/L		5	0.3	OK
MW-70	Potassium	1	mg/L		1	0.5	OK
MW-70	Silver	10	ug/L	U	20	10	OK
MW-70	Sodium	50	mg/L		50	0.5	OK
MW-70	Thallium	0.5	ug/L	U	5	0.5	OK
MW-70	Tin	100	ug/L	U	20	100	OK
MW-70	Arsenic	5	ug/L	U	20	5	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	50	mg/L		50	0.5	OK
MW-70	Manganese	10	ug/L		20	10	OK
MW-70	Mercury	0.5	ug/L	U	1	0.5	OK
MW-70	Molybdenum	10	ug/L	U	20	10	OK
MW-70	Nickel	20	ug/L	U	20	20	OK
MW-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-70	Acetone	20	ug/L	U	1	20	OK
MW-70	Chloroform	1	ug/L	U	1	1	OK
MW-70	Benzene	1	ug/L	U	1	1	OK
MW-70	Chloromethane	1	ug/L	U	1	1	OK
MW-70	Iron	30	ug/L		5	30	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	3	ug/L		20	0.3	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	50	ug/L		50	1	OK
MW-26	Uranium	3	ug/L		20	0.3	OK
MW-26	Methylene chloride	1	ug/L	U	1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.5	mg/L		5	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Uranium	3	ug/L		20	0.3	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Nitrate/Nitrite (as N)	2	mg/L		20	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Nitrate/Nitrite (as N)	1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	3	ug/L		20	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Manganese	10	ug/L		5	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.75	ug/L		5	0.3	OK
MW-35	Selenium	5	ug/L		5	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-70	Manganese	10	ug/L		5	10	OK
MW-70	Thallium	0.5	ug/L	U	5	0.5	OK
MW-70	Uranium	0.75	ug/L		5	0.3	OK
MW-70	Selenium	5	ug/L		5	5	OK
MW-70	Gross Radium Alpha	1	pCi/L		1	1	OK

G-6A: Quarterly Sample Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 1507399	7/21/2015	AWAL
AWAL 1507505	7/27/2015	AWAL
AWAL 1508249	8/10/2015	AWAL

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1507150	7/7/2015	AWAL
AWAL 1509381	9/16/2015	AWAL

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

Constituent	MW-3 7/28/15	MW-65 7/28/15	%RPD
Fluoride (mg/L)	1.58	1.58	0.00
Nitrate + Nitrite (as N) (mg/L)	0.406	0.323	22.77
Selenium (mg/L)	0.0683	0.0674	1.33
Sulfate (mg/L)	3670	3640	0.82
Constituent	**MW-35 8/10/15**	**MW-70 8/10/15**	**%RPD**
Ammonia (as N) (mg/L)	ND	0.0674	NC
Bicarbonate as HCO3	346	346	0.00
Calcium	518	530	2.29
Chloride (mg/L)	75.2	73.9	1.74
Fluoride (mg/L)	0.161	0.143	11.84
Iron	0.0941	0.100	6.08
Magnesium (mg/L)	156	158	1.27
Manganese	0.198	0.202	2.00
Nitrate + Nitrite (as N)	0.953	0.941	1.27
Potassium	12.2	12.1	0.82
Selenium	0.0125	0.0127	1.59
Sodium (mg/L)	376	384	2.11
Sulfate (mg/L)	2220	2260	1.79
TDS (mg/L)	3620	3640	0.55
Uranium	0.0221	0.0235	6.14
Zinc	0.0154	0.0142	8.11
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U*	3.24	3.69	0.604
Gross Alpha minus Rn & U Precision (±)	0.499	0.554	

* 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-11 7/7/15	MW-65 7/7/15	%RPD*
Manganese (mg/L)	0.178	0.176	1.13
Constituent	**MW-35 9/22/15, 9/28/15**	**MW-70 9/22/15, 9/28/15**	**%RPD**
Manganese (mg/L)	0.176	0.174	1.14
Selenium (mg/L)	0.0285	0.0284	0.35
Thallium (mg/L)	<0.0005	<0.0005	NC
Uranium (mg/L)	0.0223	0.0223	0.00
Radiologic RPD Tests			
Gross Alpha minus Rn & U	6.13	4.55	1.76
Gross Alpha minus Rn & U Precision (±)	0.677	0.588	

* 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-11 9/16/15	MW-65 9/16/15	%RPD*
Manganese (mg/L)	0.16	0.167	4.28

G-8A: Quarterly Sample Radiologics Counting Error

Well	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-11	1.0 U	0.277	NC	3.75	NC
MW-14	1.0 U	0.312	NC	7.5	NC
MW-25	1.0 U	0.264	NC	7.5	NC
MW-26	2.32	0.436	Y	4.69	Y
MW-27	1.0 U	0.251	NC	2	NC
MW-30	1.0 U	0.303	NC	3.75	NC
MW-31	1.15	0.366	N	7.5	Y
MW-32	1.89	0.327	Y	3.33	Y
MW-35	3.24	0.499	Y	3.75	Y
MW-36	1.0 U	0.174	NC	--	
MW-37	1.0 U	0.293	NC	--	
MW-70	3.69	0.544	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	7/7/2015	4.93	0.38	Y	3.75	N/A
MW-35	9/15/2015	4.81	0.272	Y	3.75	N/A
MW-35	9/28/2015	6.13	0.677	Y	3.75	N/A
MW-70	9/28/2015	4.55	0.588	Y	NC	NC

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.

G-9A: Quarterly Sample Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
1507399	MW-36	Sodium*	NC	NC	70-130	NC	20
1507399	MW-36	Calcium*	NC	NC	70-130	NC	20
1507399	MW-36	Magnesium*	NC	NC	70-130	NC	20
1507399	MW-36	Ammonia	113	117	90-110	4.00	10
1507399	MW-36	Nitrate	85.3	86.7	90-110	0.898	10
1507505	MW-03	Nitrate	60.9	62.3	90-110	1.37	10
1507505	MW-03	Fluoride	90.2	89.9	90-110	0.299	10
1502235	MW-26	Magnesium*	NC	NC	70-130	NC	20
1508249	MW-11	Sodium*	NC	NC	70-130	NC	20
1508249	MW-11	Silver	67.2	70.3	90-110	4.54	20
1508249	MW-70 (duplicate of MW-	Nitrate	32.6	34.1	90-110	1.27	10
379372	MW-70 (duplicate of MW-	Gross Alpha	119	87.2	75 - 125	30.8	20

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount
NA: QC was not performed on an EFRI sample.

Method Blank Detections
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample
All Laboratory Control Samples were within acceptance limits for the quarter.

Laboratory Duplicate Samples
All Laboratory Duplicate Samples were within acceptance limits for the quarter.

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	RPD Range %
1507150 - July Accelerated	MW-30	Ammonia	113	114	90-110	0.438	10
1509381 - September Accelerated	MW-30	Ammonia	124	114	90-110	7.87	10
1509381 - September Accelerated	MW-30	Nitrate	84.4	78.9	90-110	4.76	10
1509381 - September Accelerated	MW-26	Nitrate	82.3	84.4	90-110	2.08	10

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
376891 -July Accelerated	MW-35	Gross Alpha	4.93	6.79	31.7	20
382142 -September Accelerated	MW-70 (duplicate of MW-35	Gross Alpha	4.55	6.4	33.9	20

Method Blank Detections

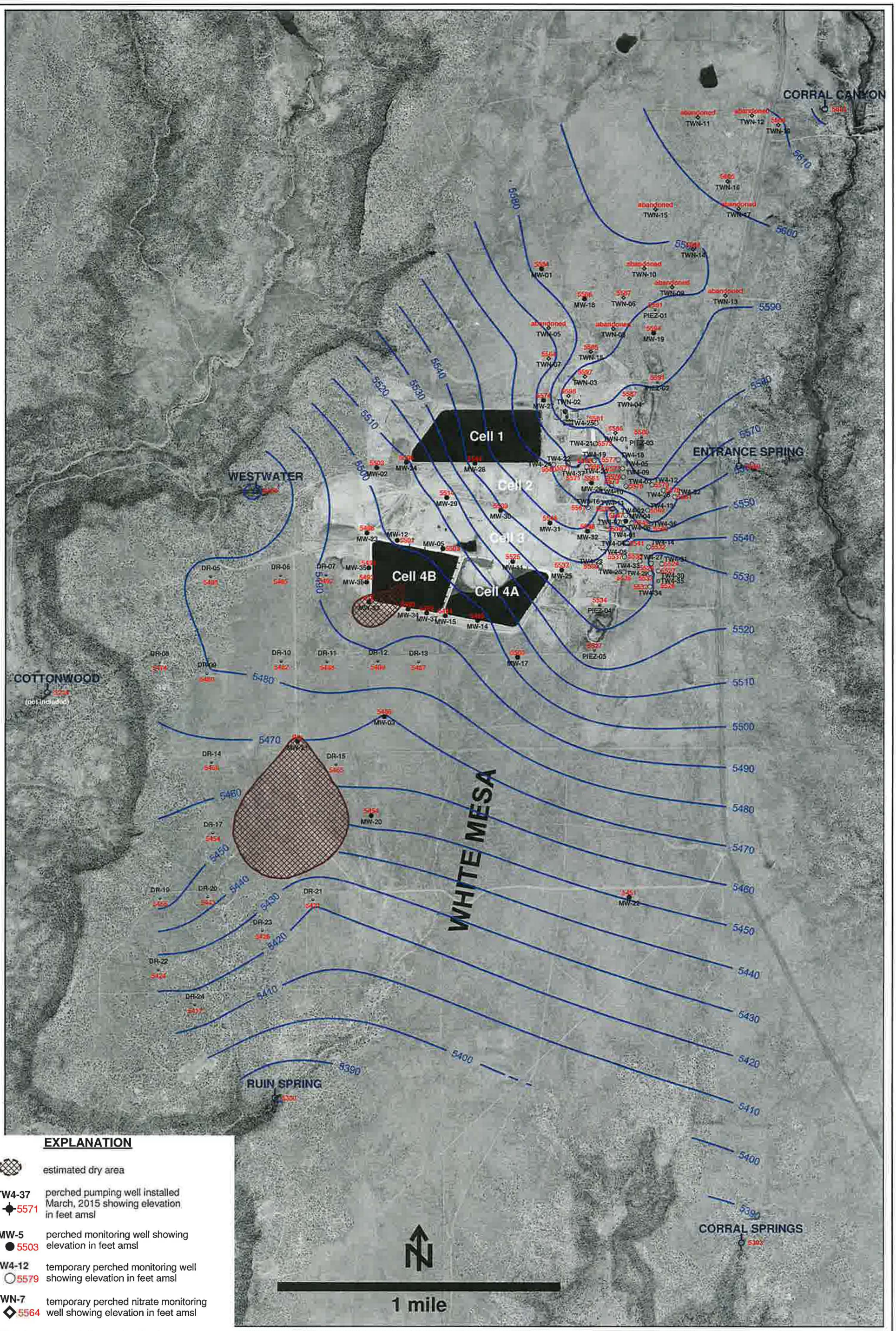
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

estimated dry area

TW4-37 5571 — perched pumping well installed March, 2015 showing elevation in feet amsl

MW-5 5503 — perched monitoring well showing elevation in feet amsl

TW4-12 5579 — temporary perched monitoring well showing elevation in feet amsl

TWN-7 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl

PIEZ-1 5591 — perched piezometer showing elevation in feet amsl

TW4-35 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

RUIN SPRING 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

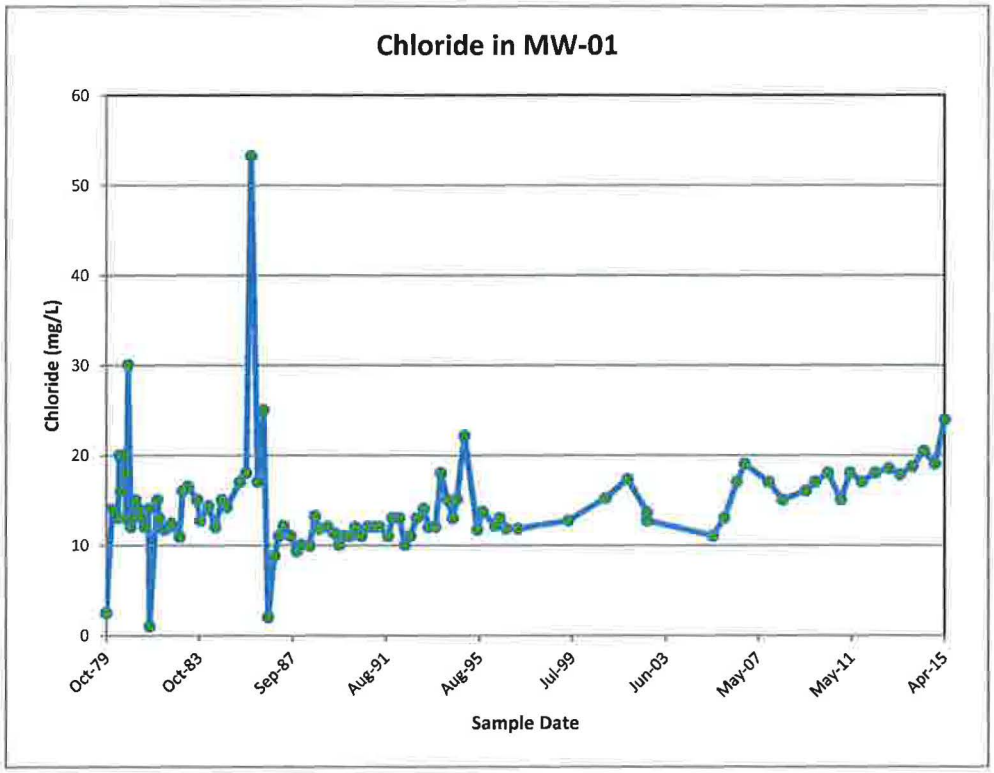
KRIGED 3rd QUARTER, 2015 WATER LEVELS WHITE MESA SITE

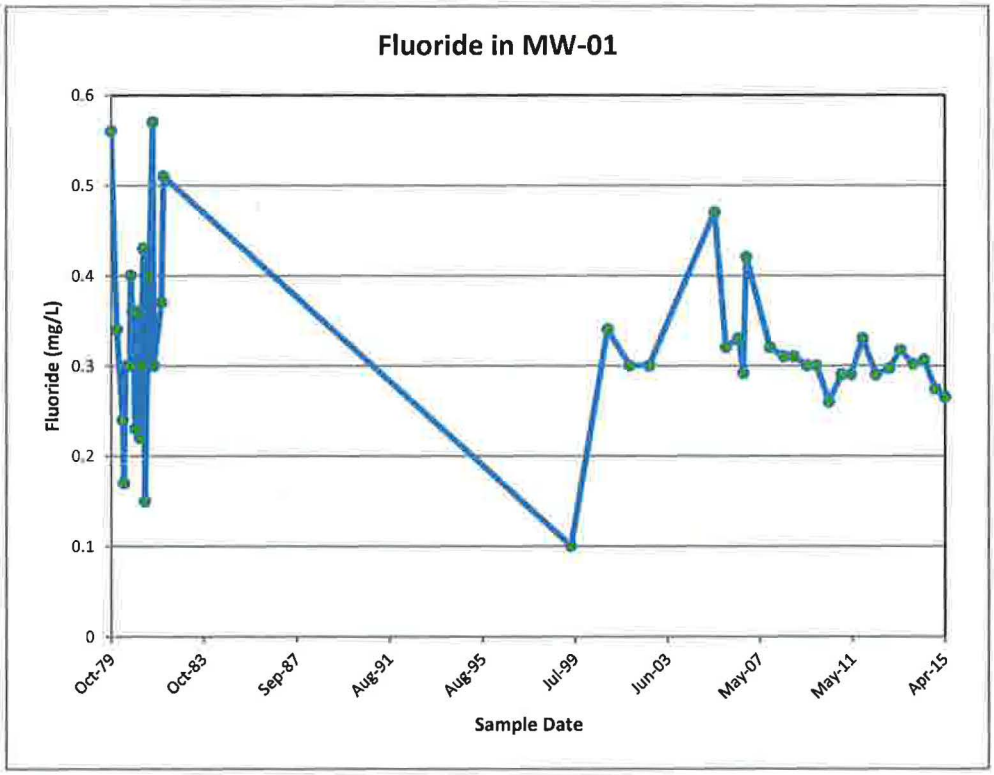
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov15/WL/Uwl0915.srf	H-1

Tab I

Groundwater Time Concentration Plots

Time concentration plots for MW-01

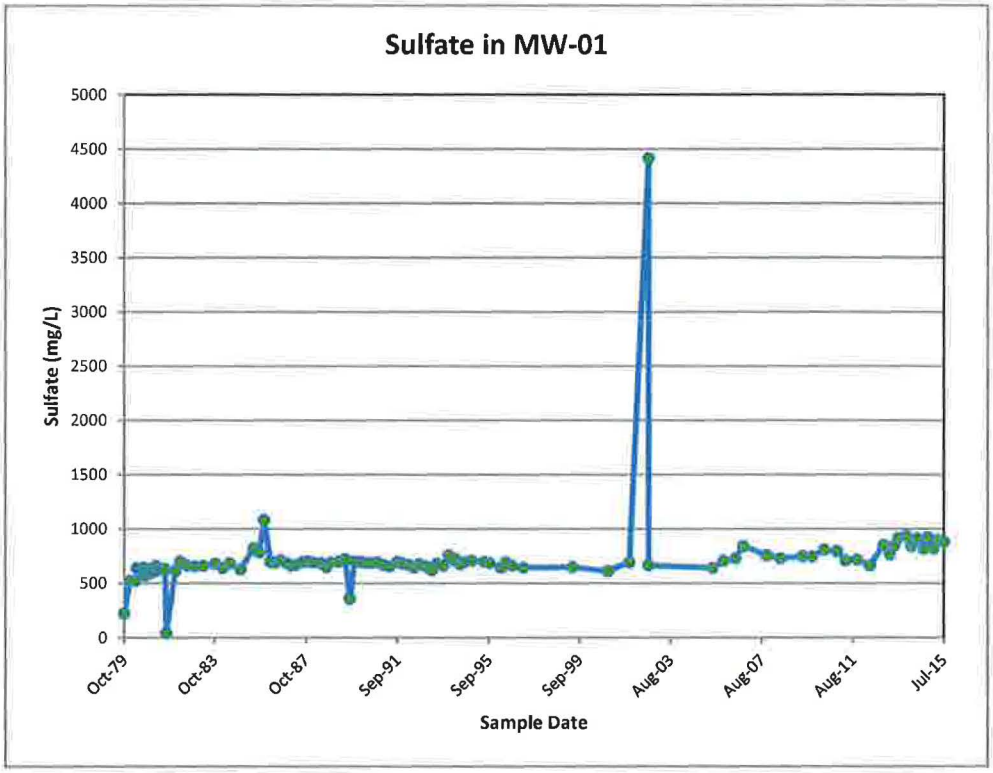


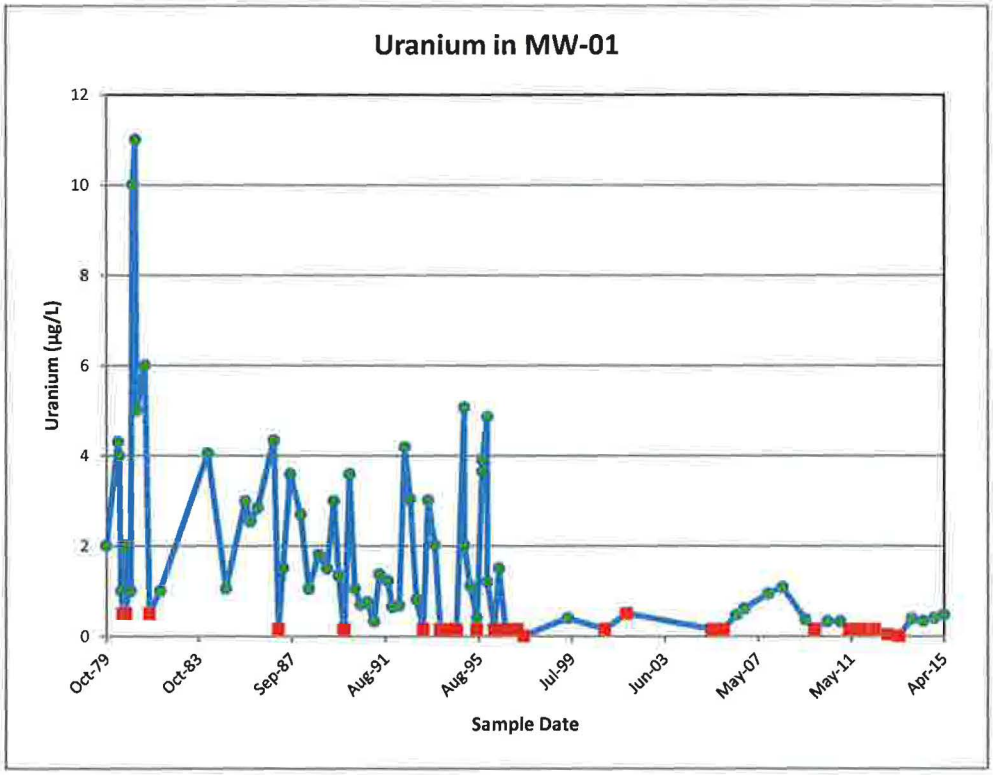


Detected Values

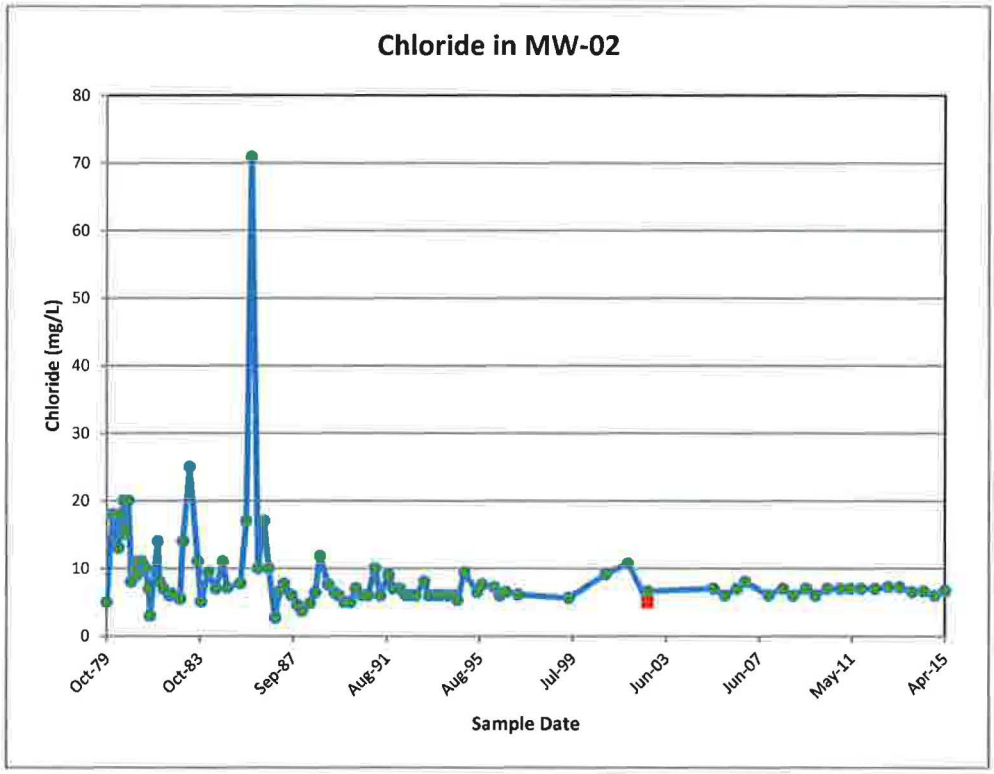
Non-Detected Values

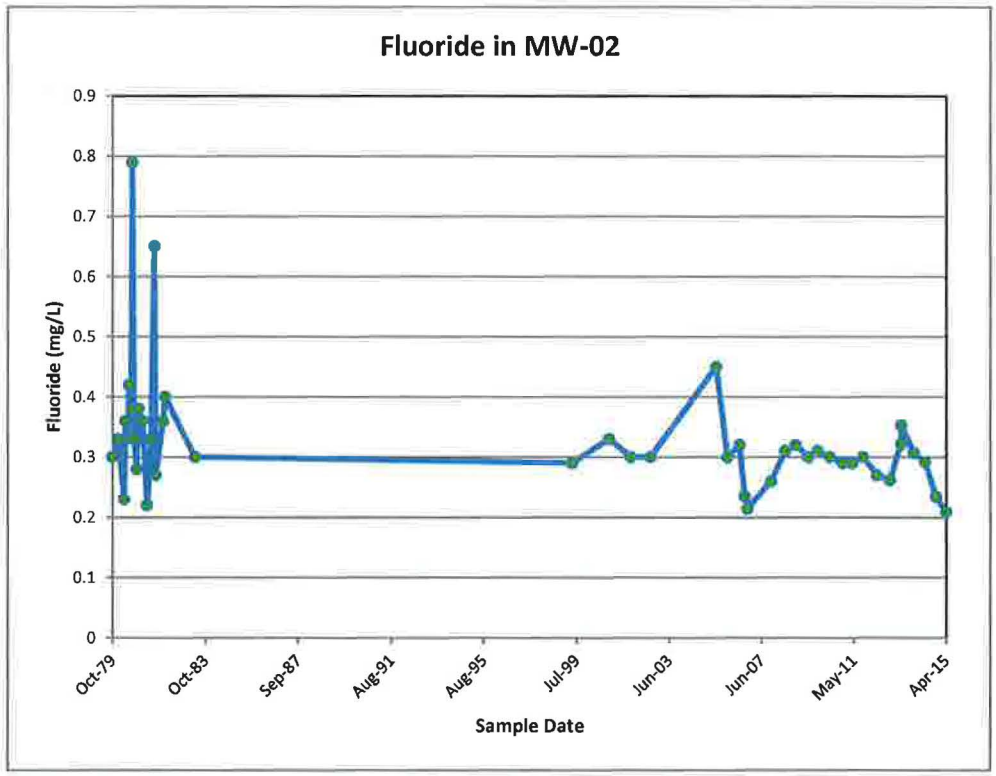
Time concentration plots for MW-01





Time concentration plots for MW-02

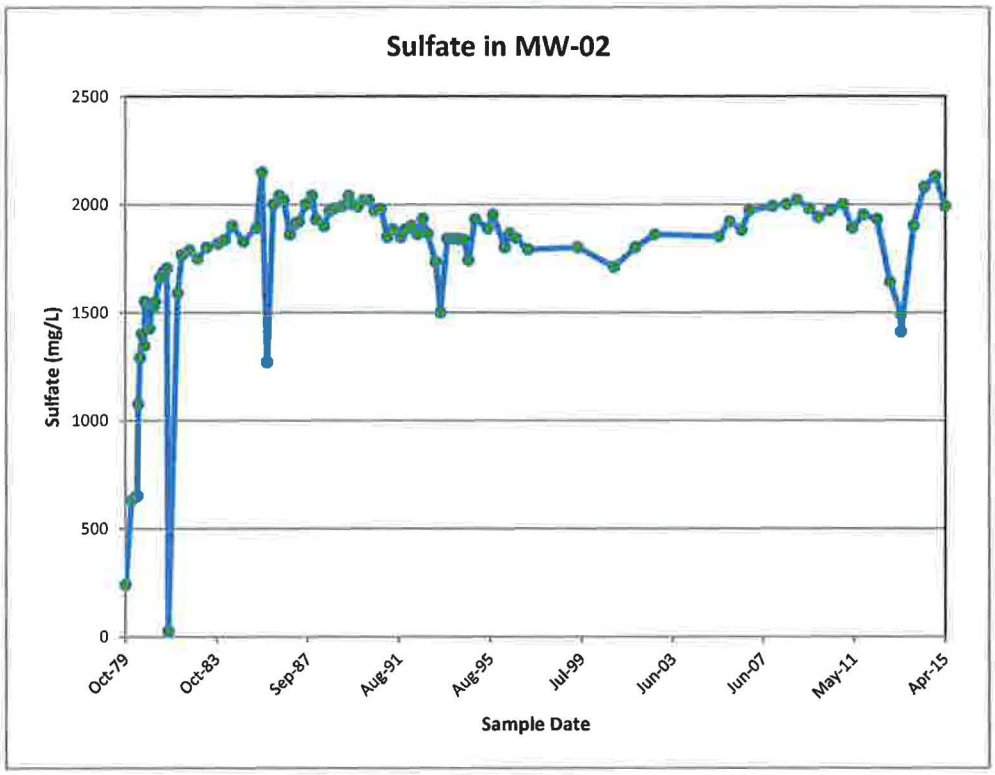


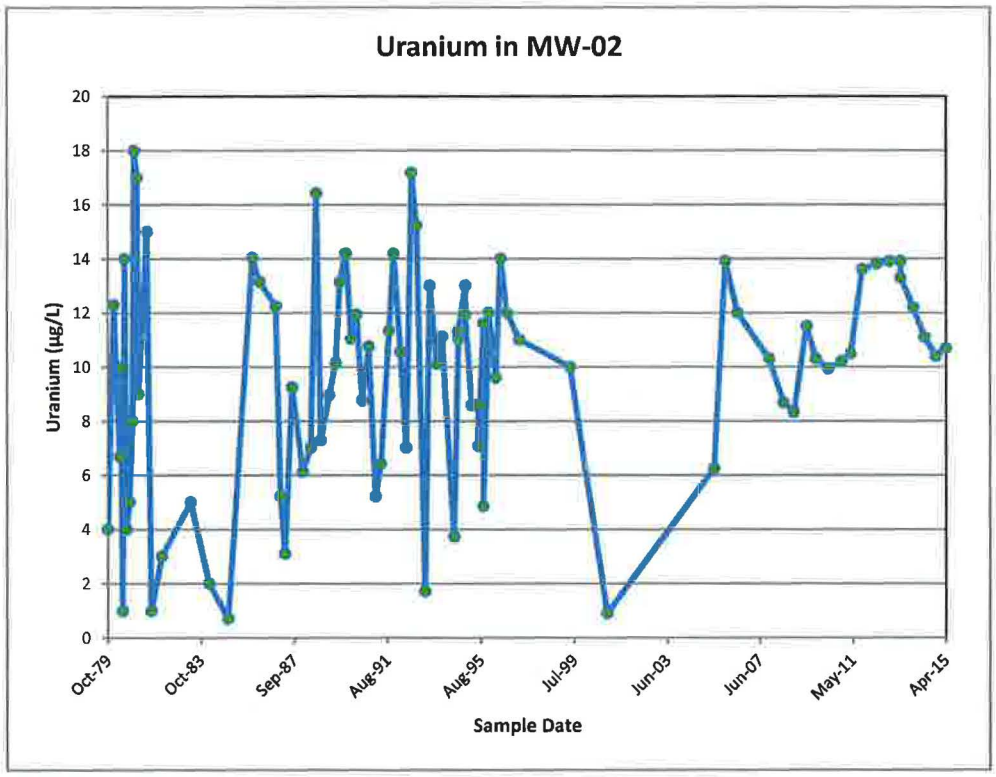


Detected Values

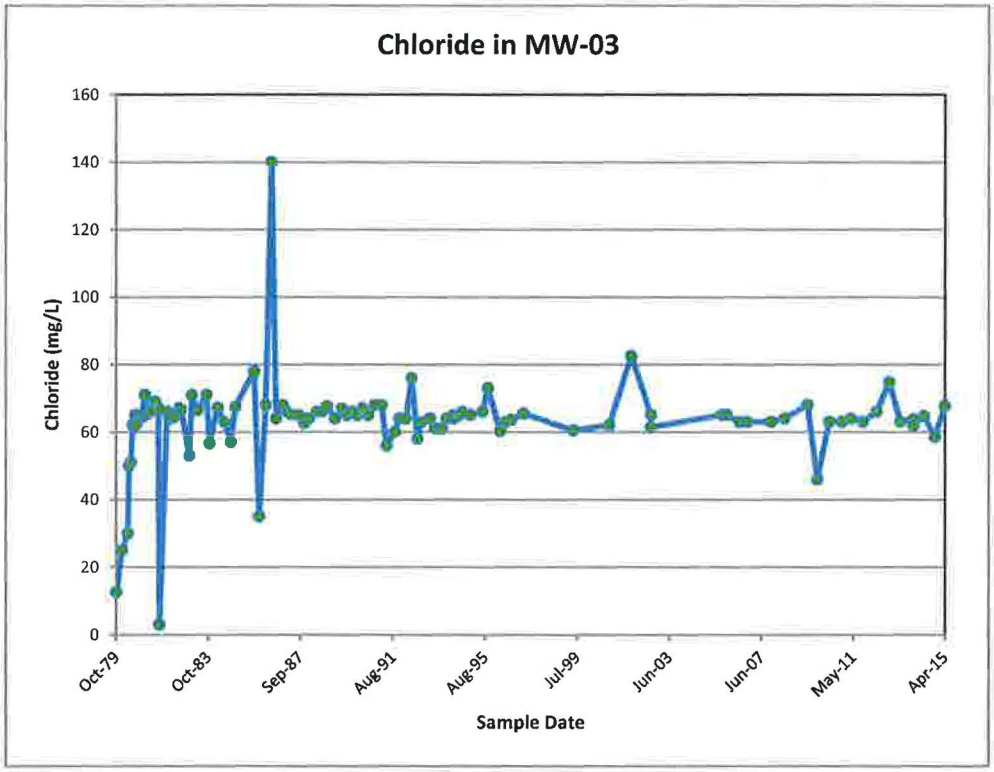
Non-Detected Values

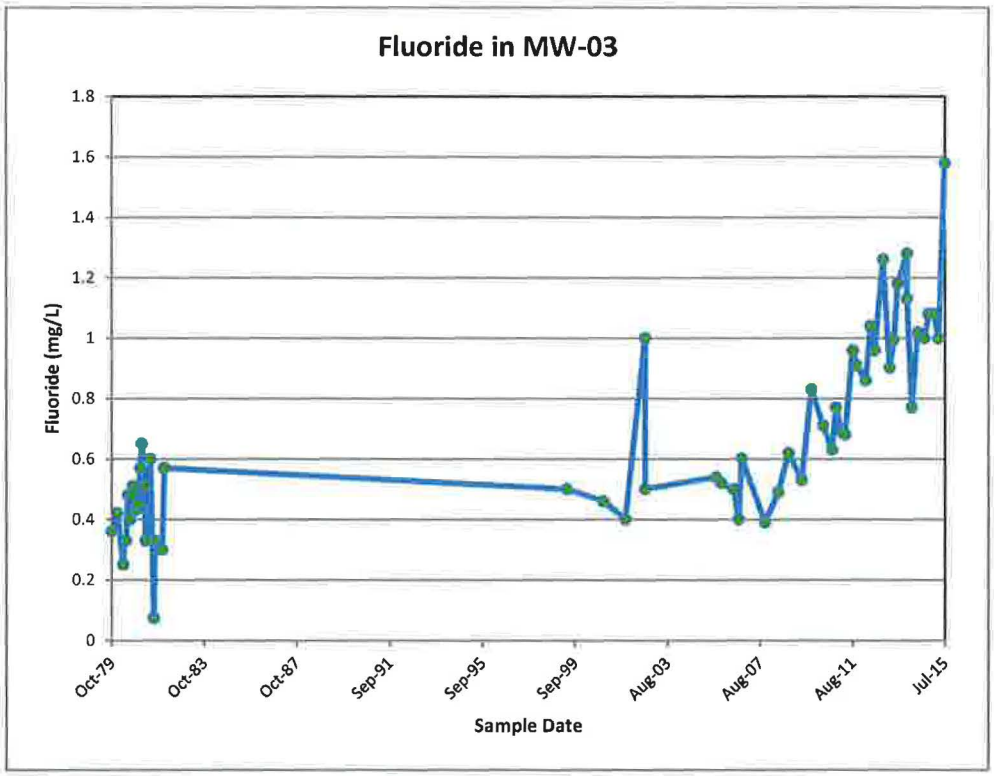
Time concentration plots for MW-02



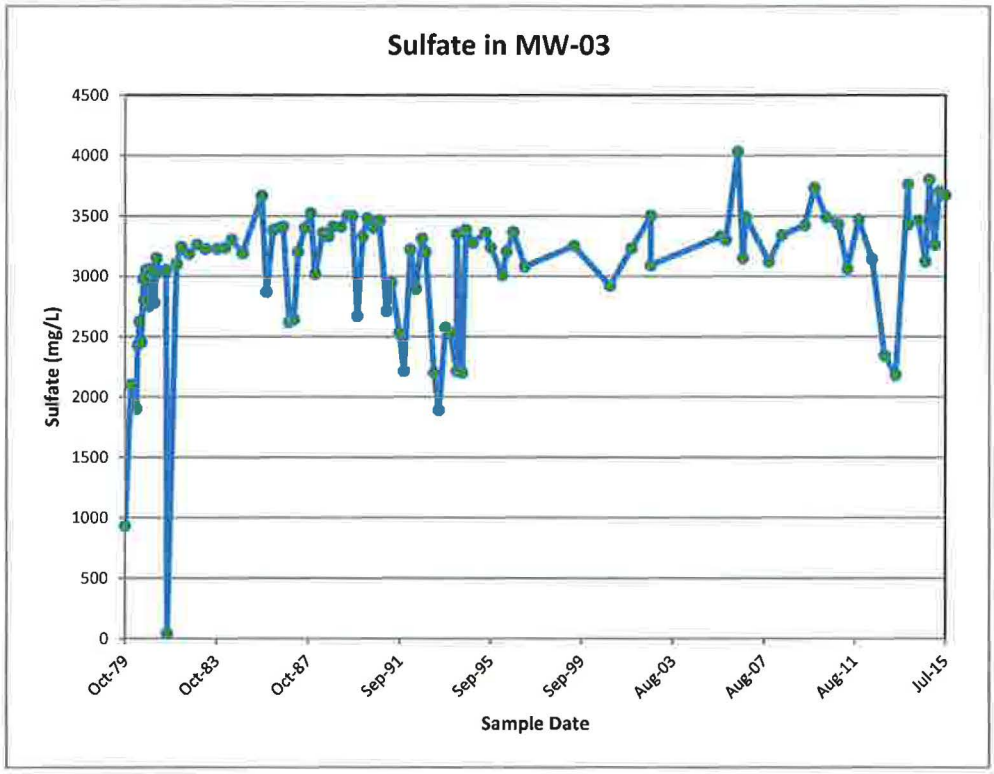


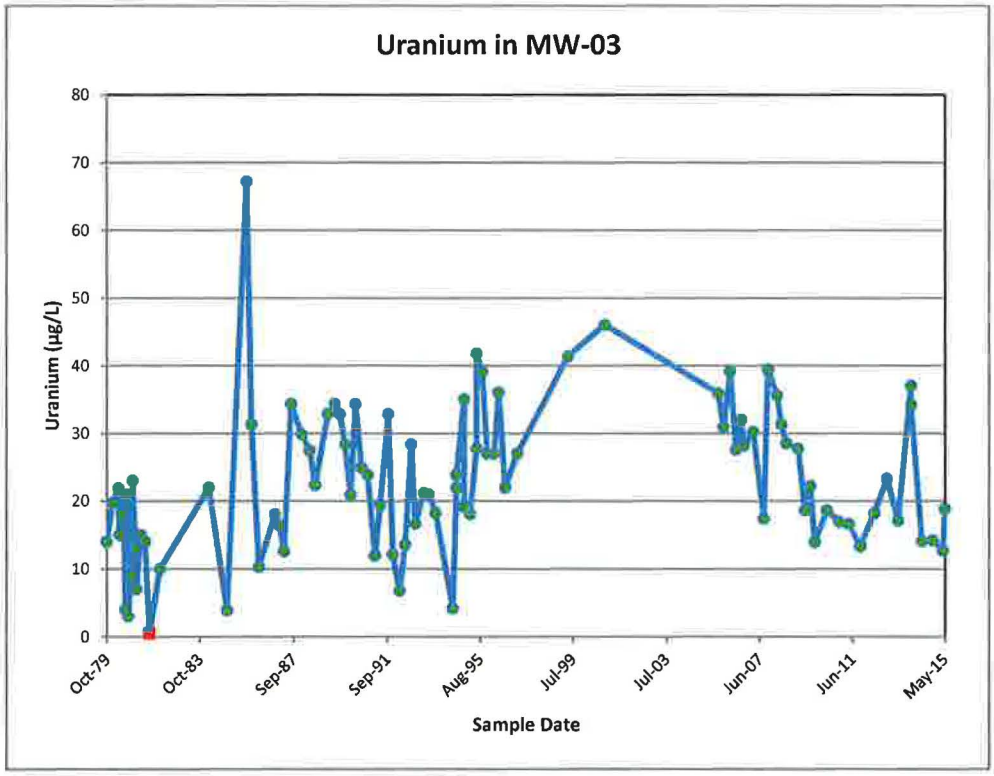
Time concentration plots for MW-03





Time concentration plots for MW-03

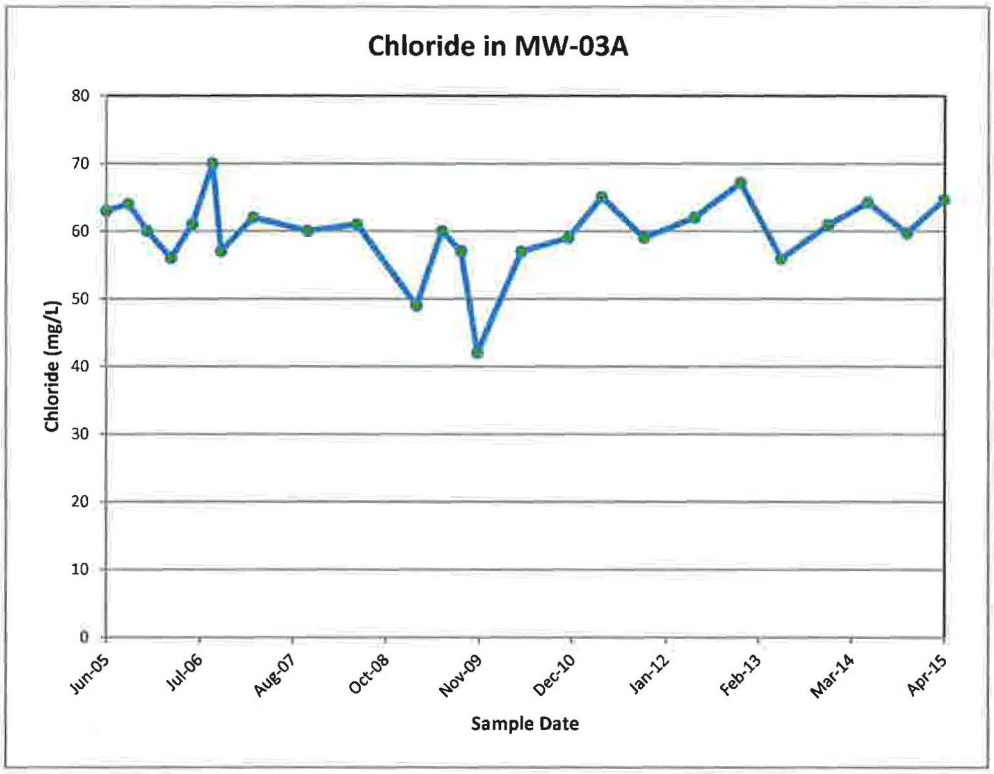


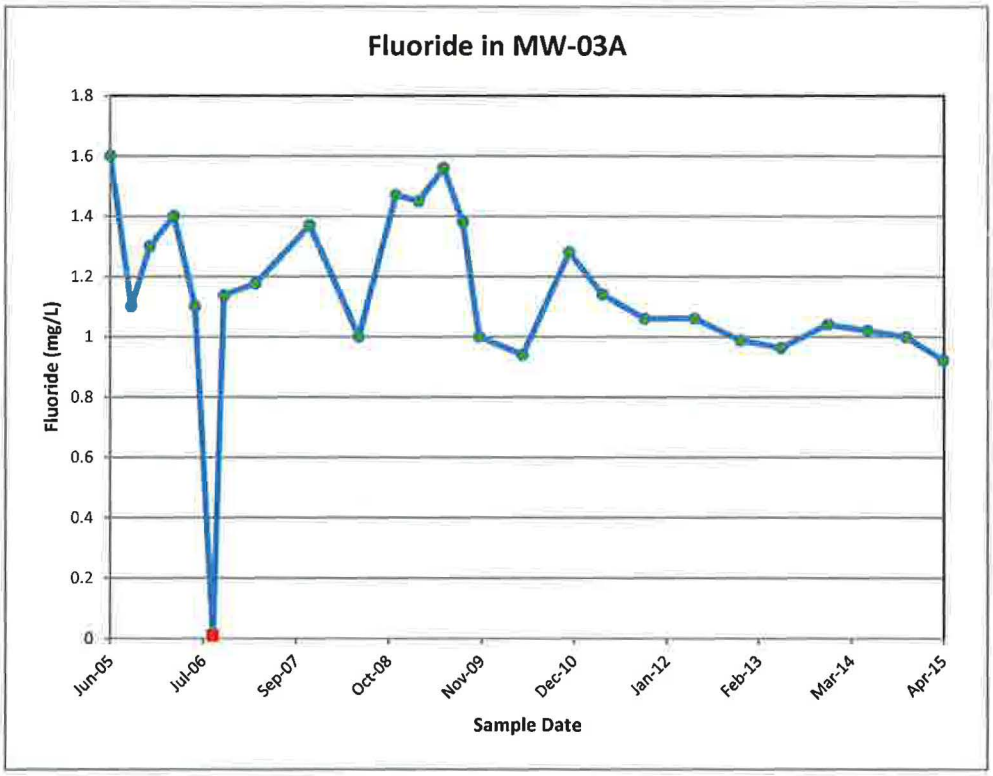


Detected Values

Non-Detected Values

Time concentration plots for MW-03A

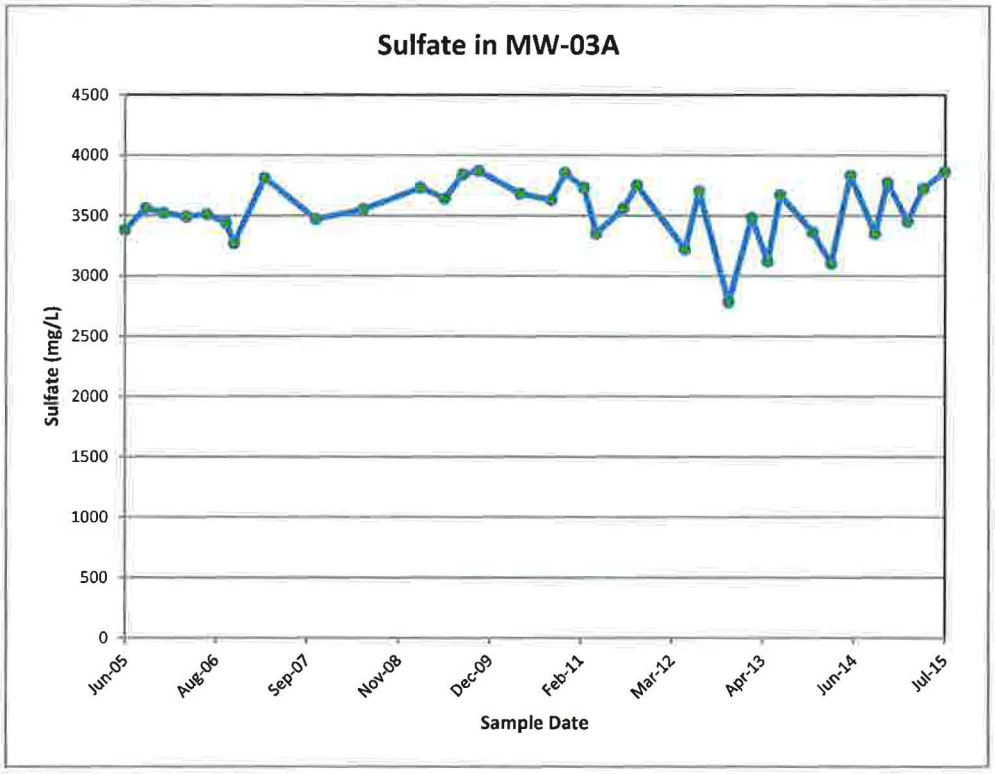


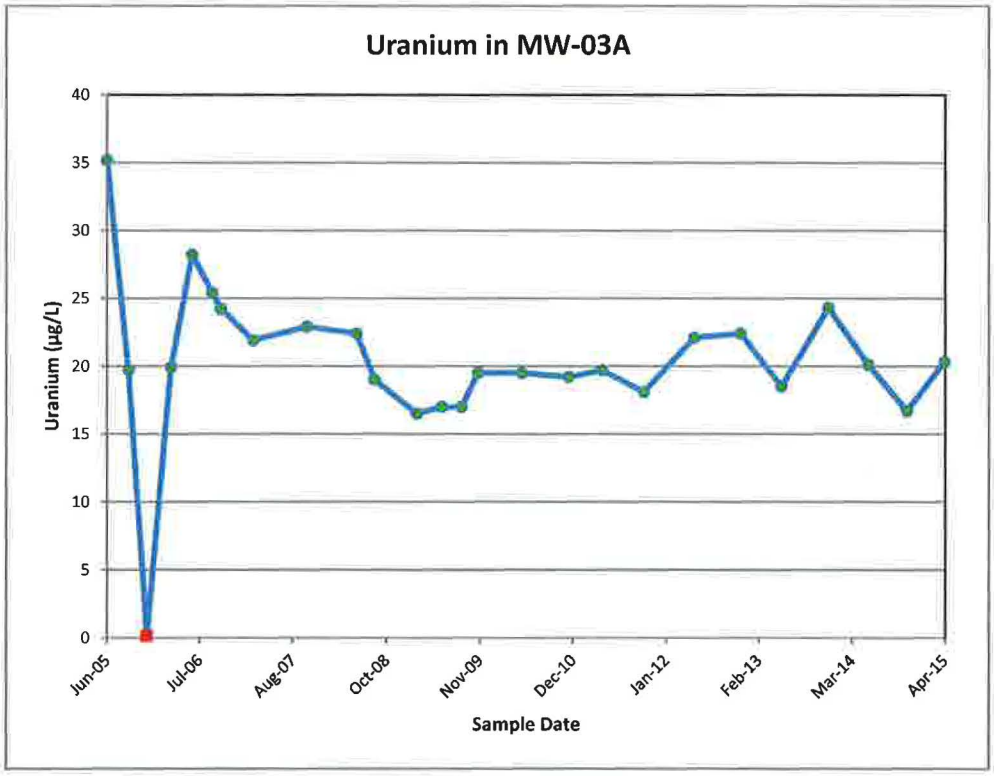


Detected Values

Non-Detected Values

Time concentration plots for MW-03A

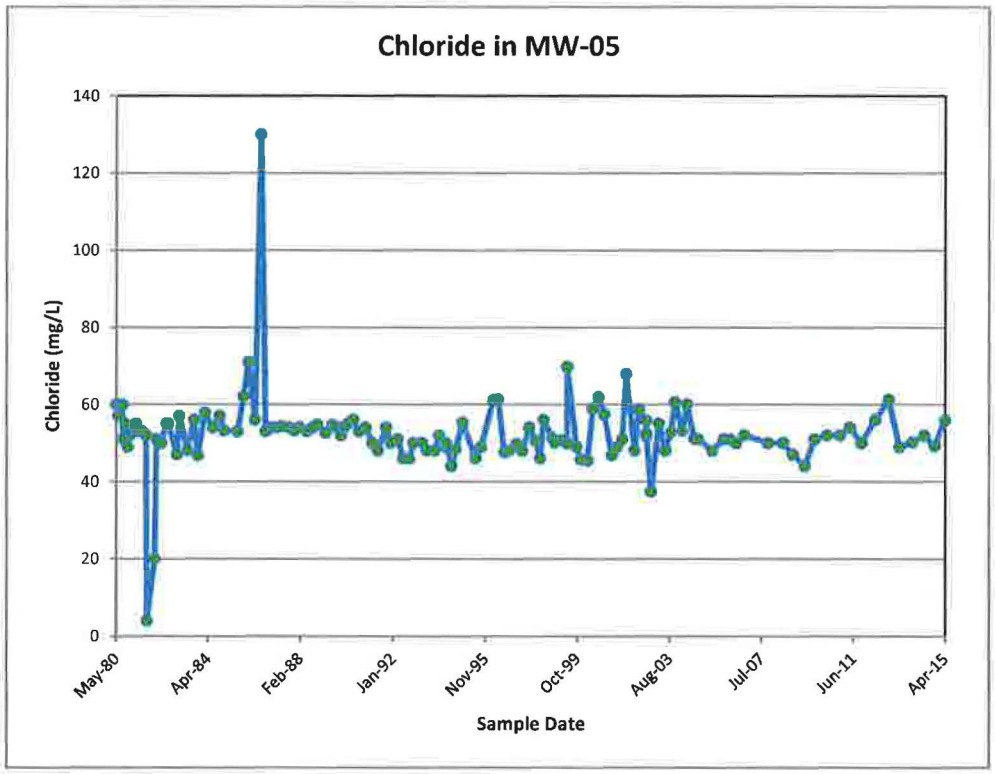


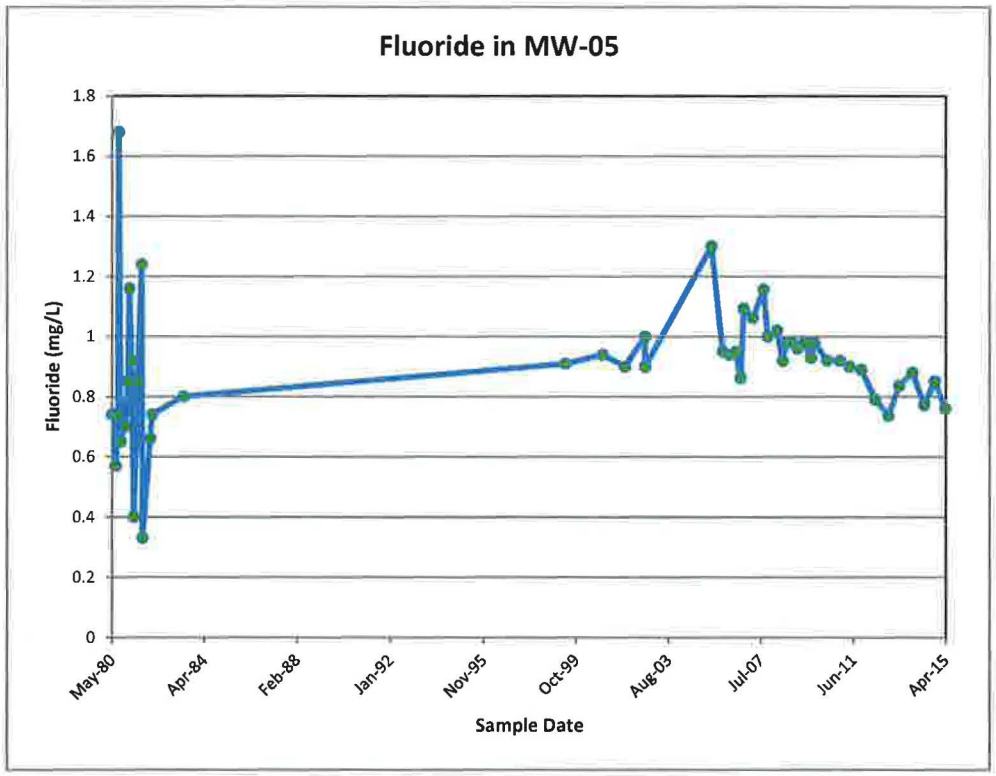


Detected Values

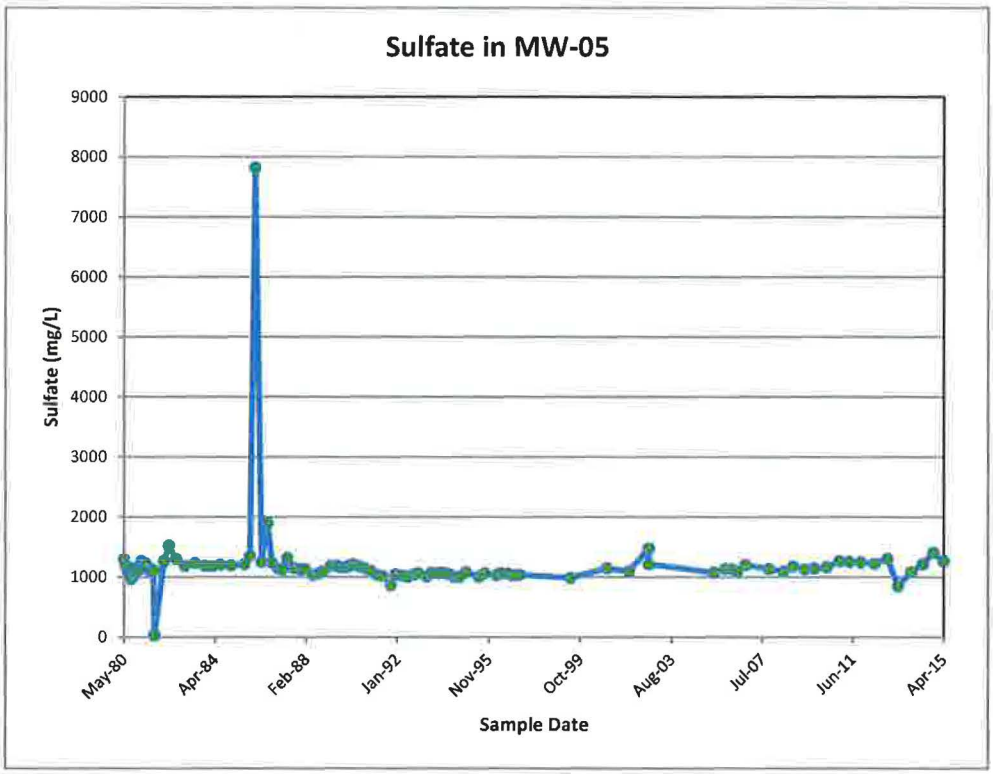
Non-Detected Values

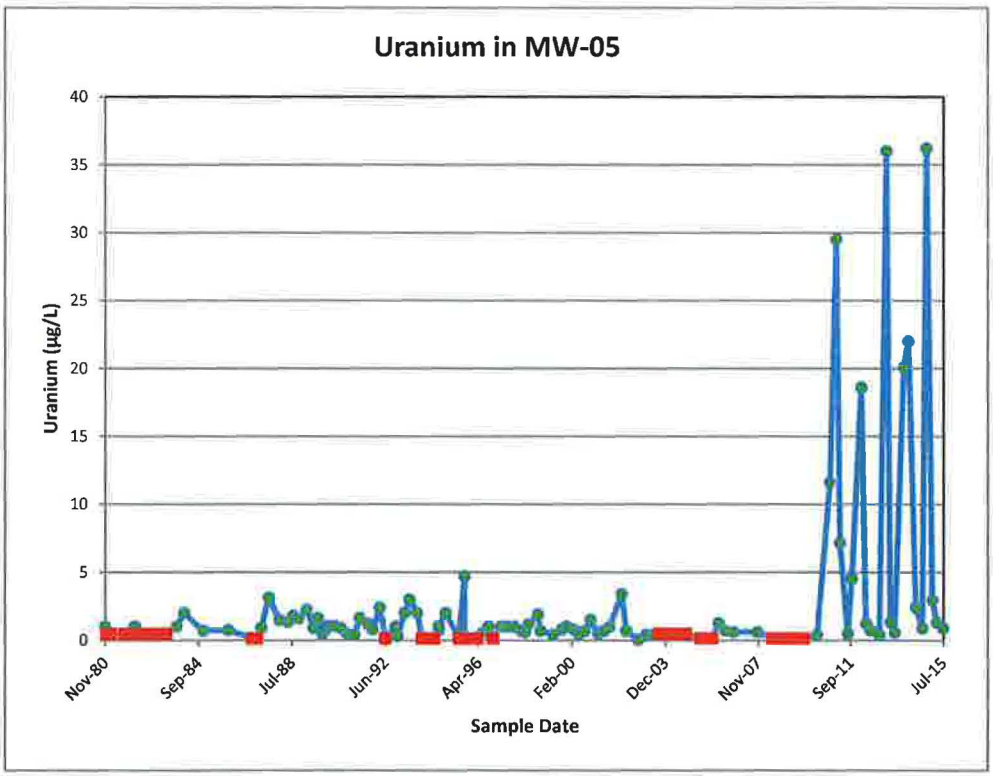
Time concentration plots for MW-05





Time concentration plots for MW-05

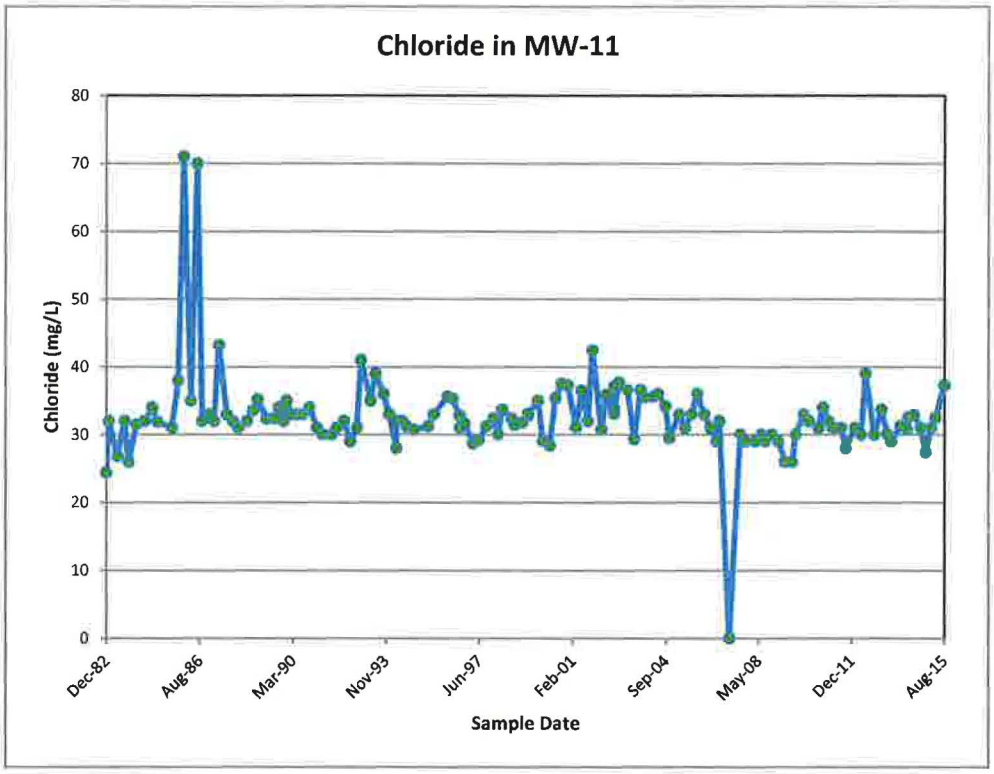


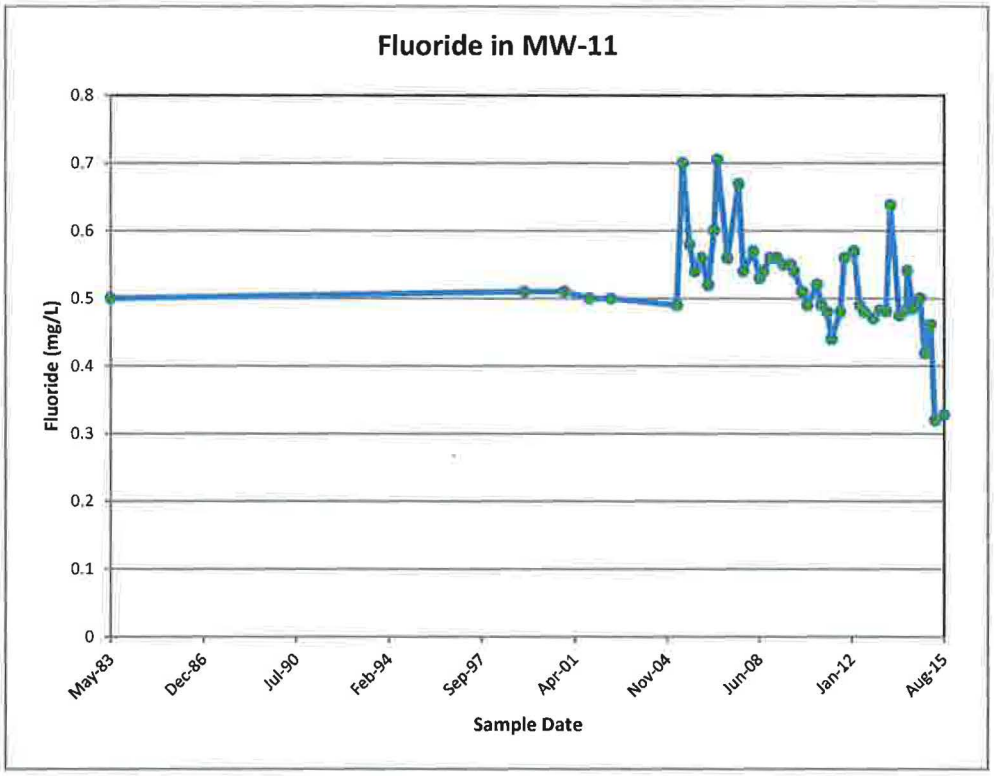


Detected Values

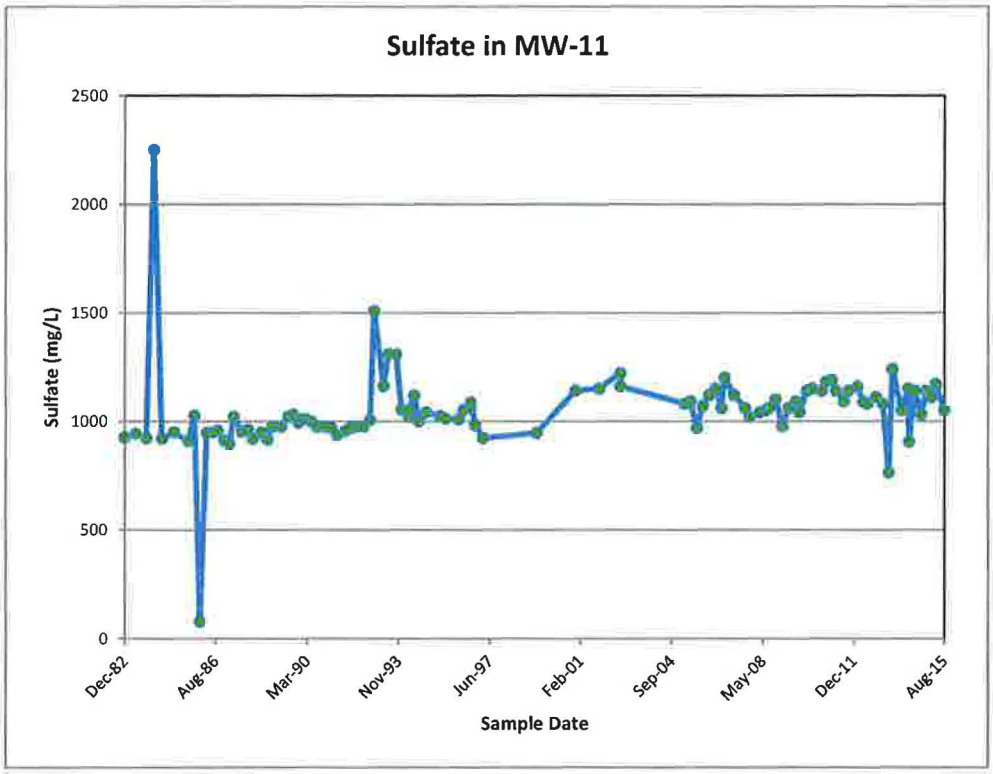
Non-Detected Values

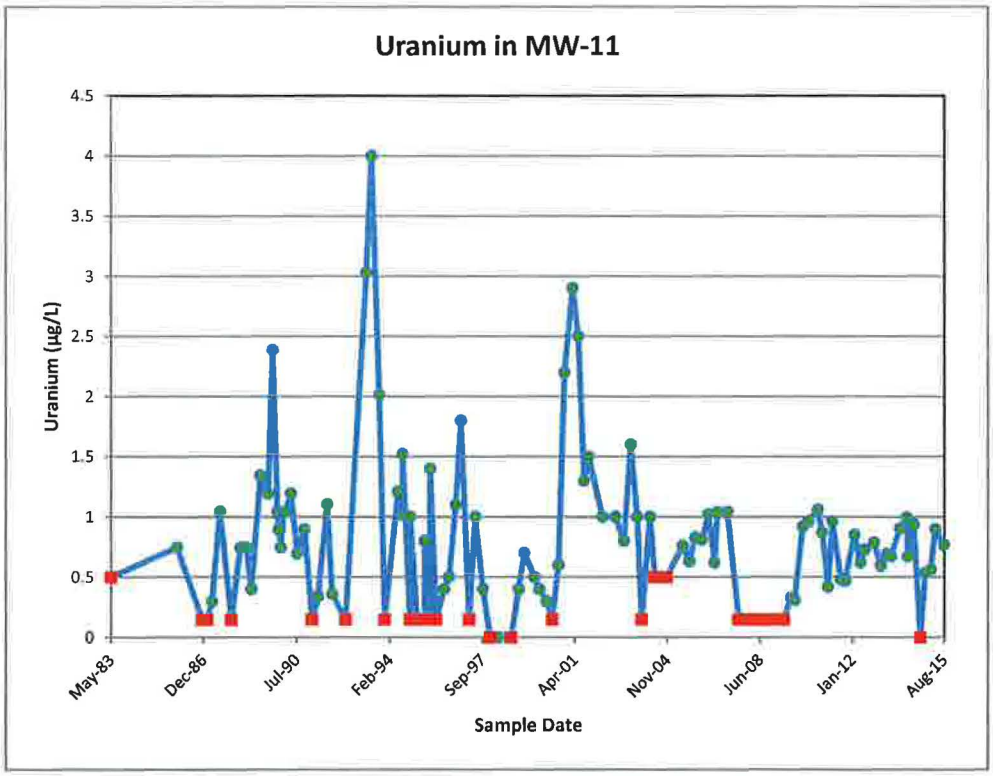
Time concentration plots for MW-11





Time concentration plots for MW-11

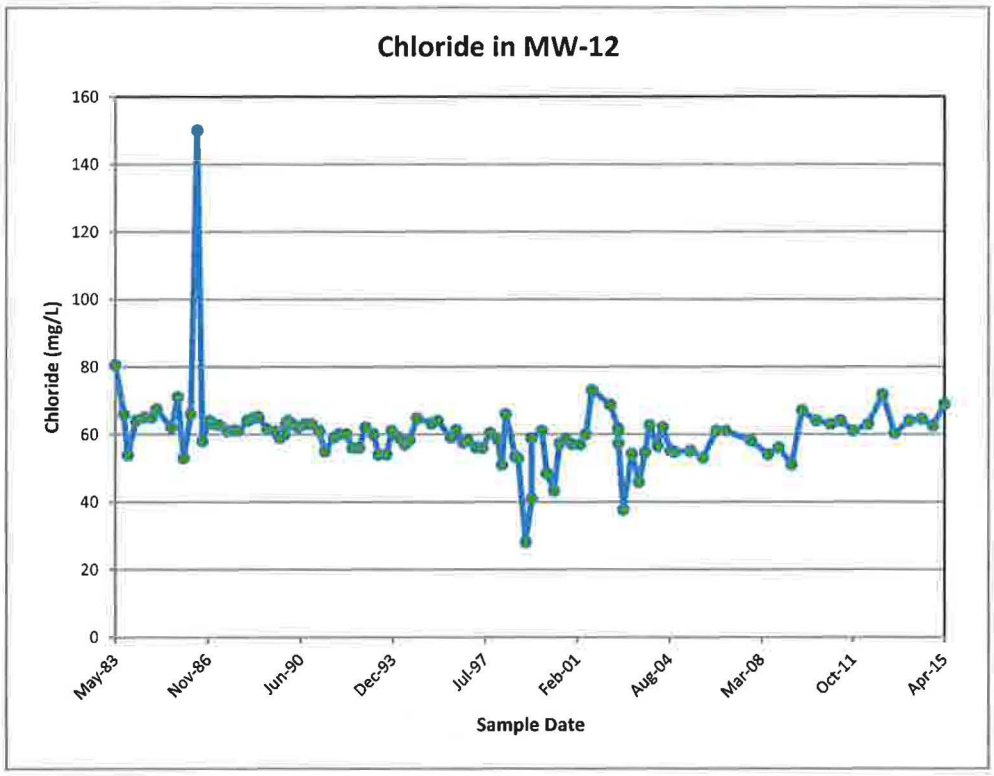


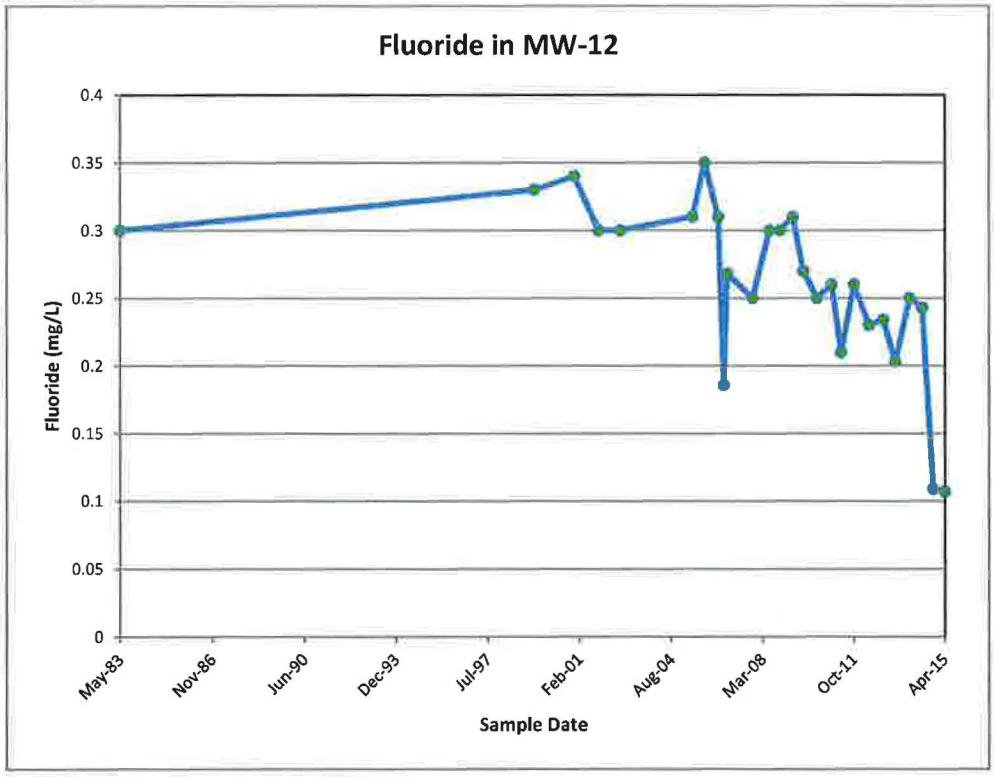


Detected Values

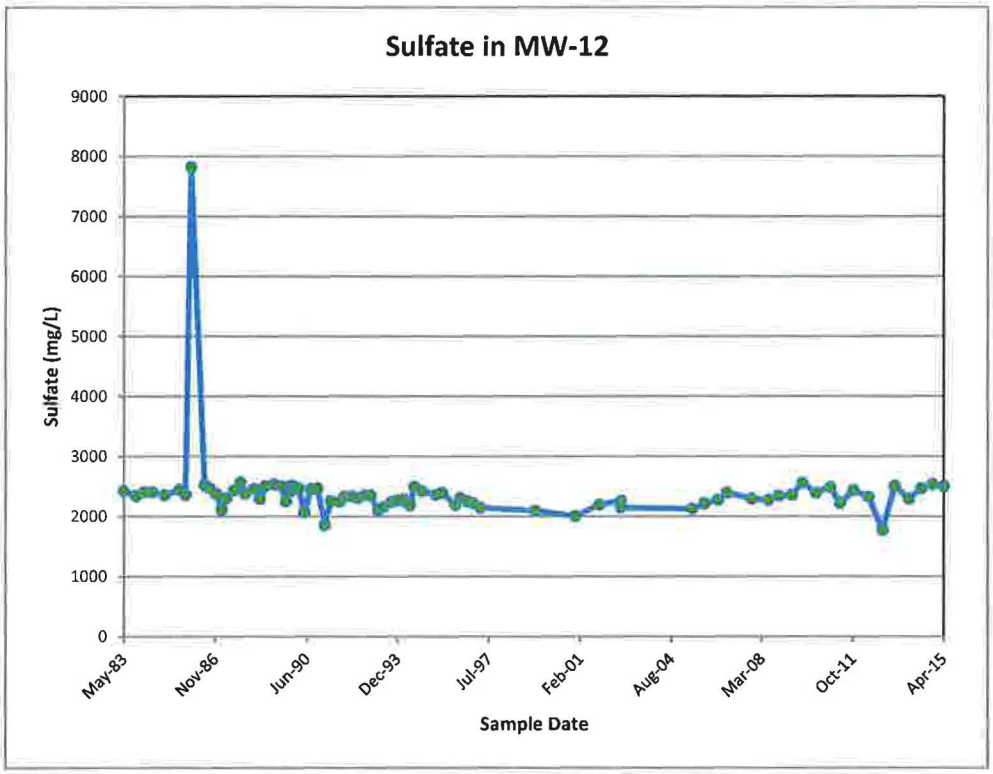
Non-Detected Values

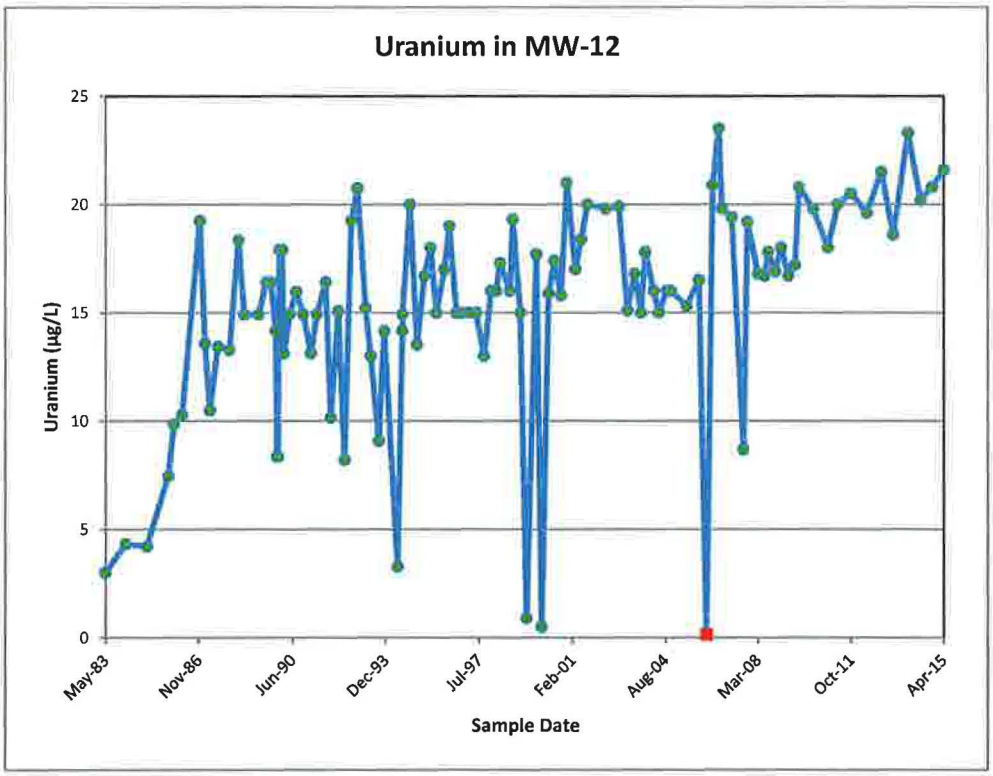
Time concentration plots for MW-12





Time concentration plots for MW-12

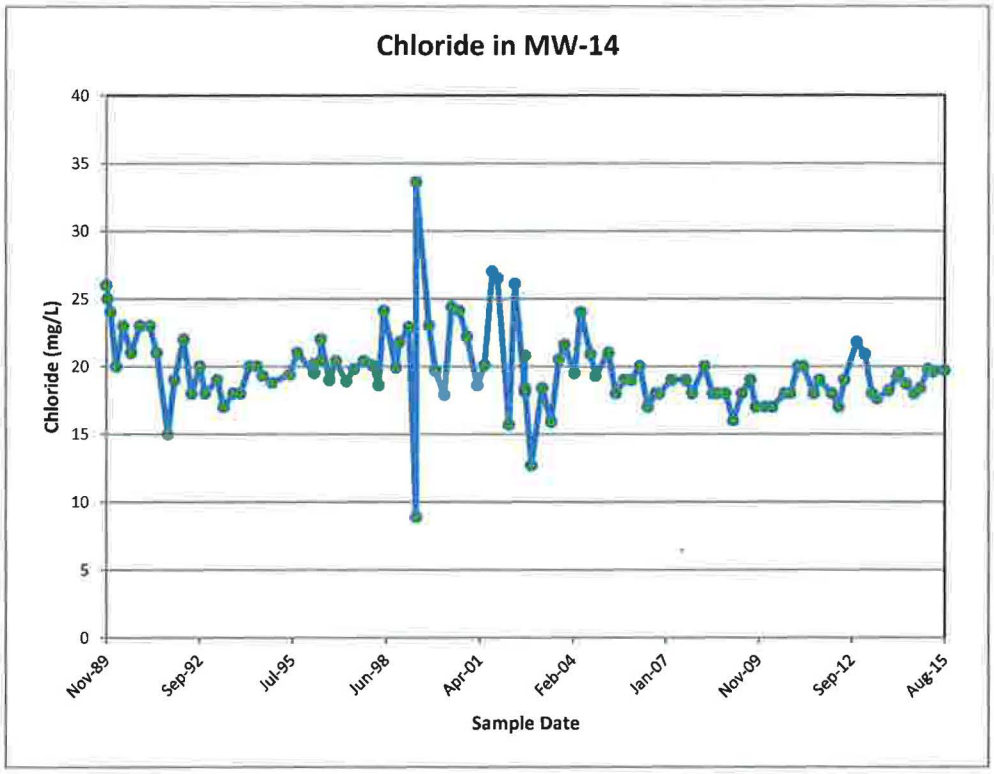


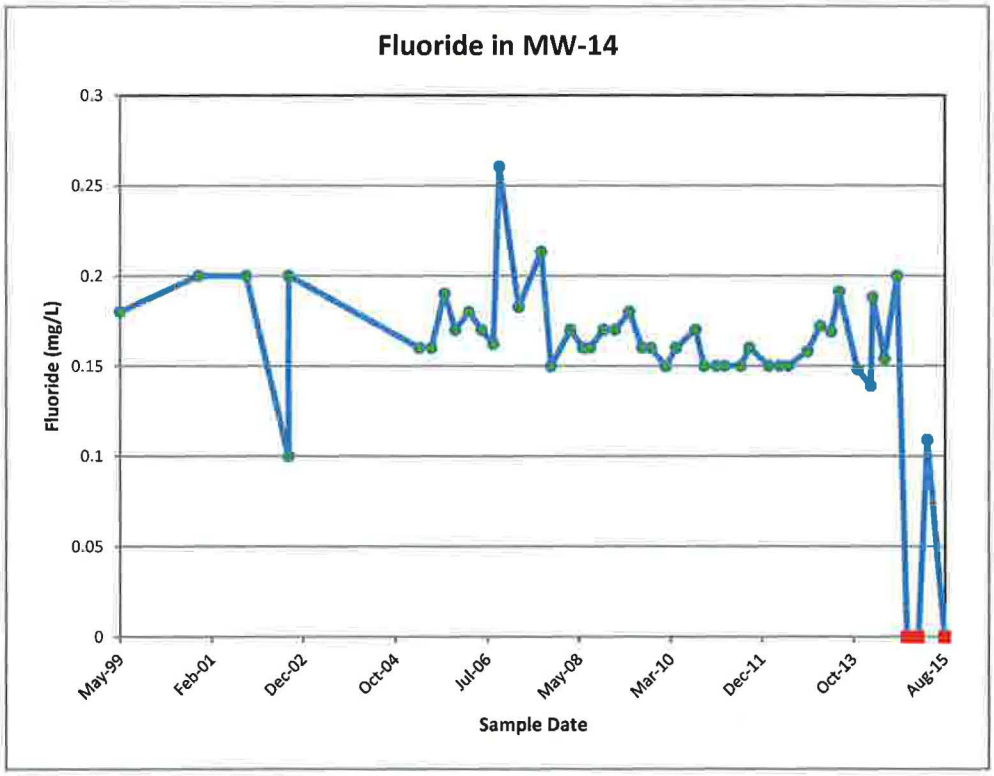


Detected Values

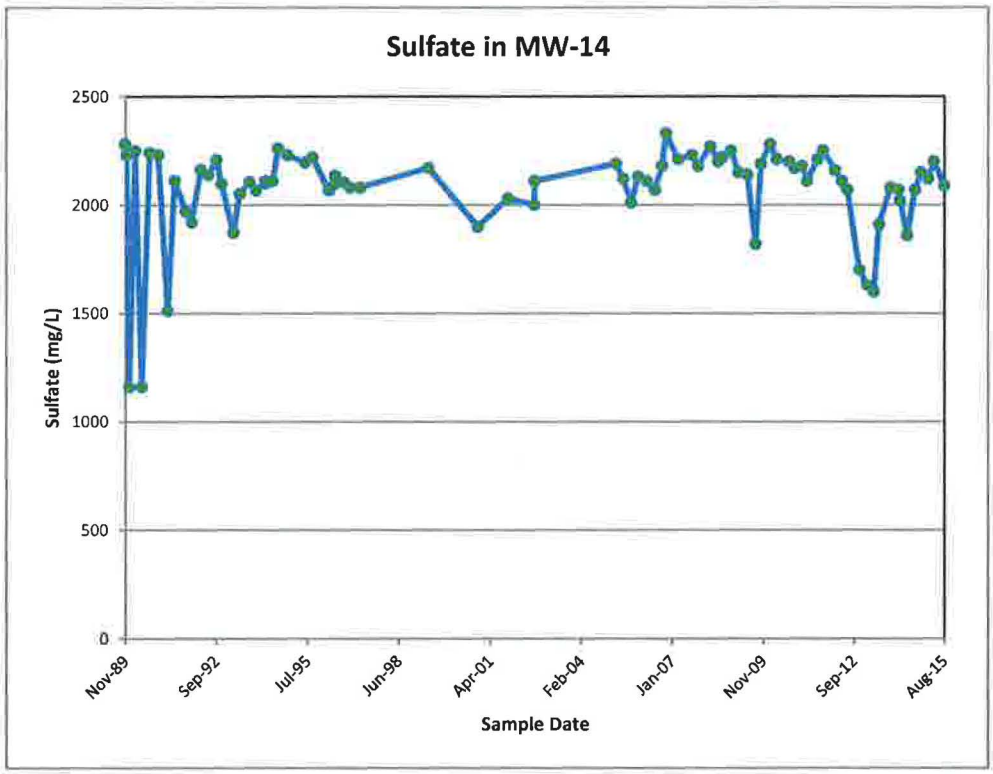
Non-Detected Values

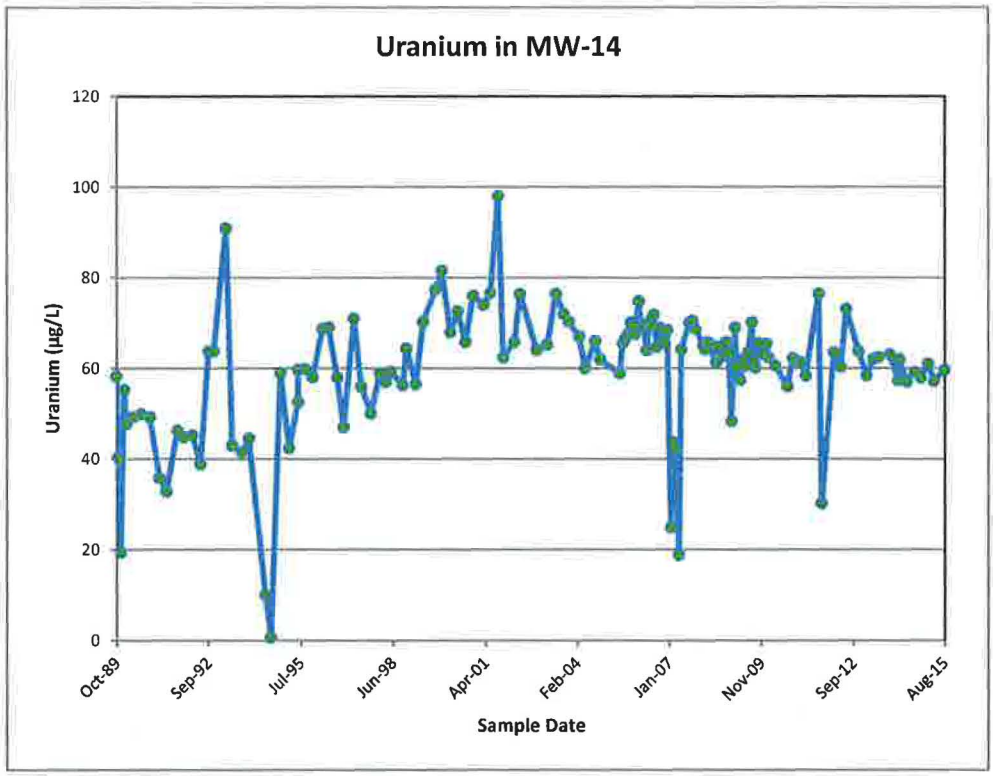
Time concentration plots for MW-14





Time concentration plots for MW-14

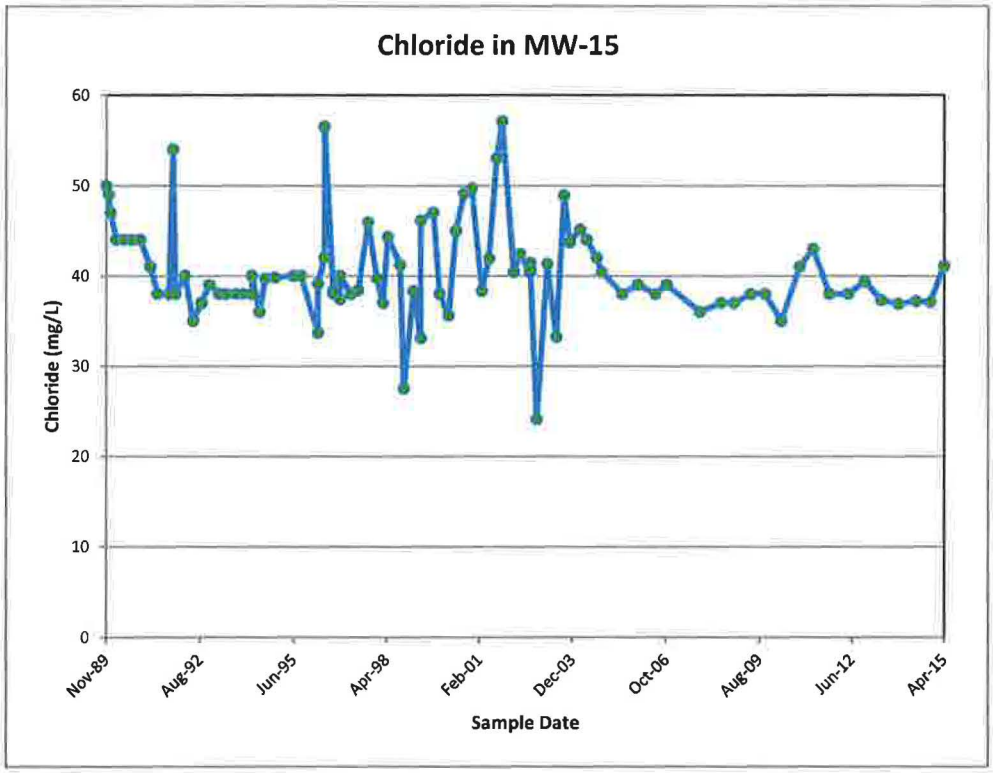


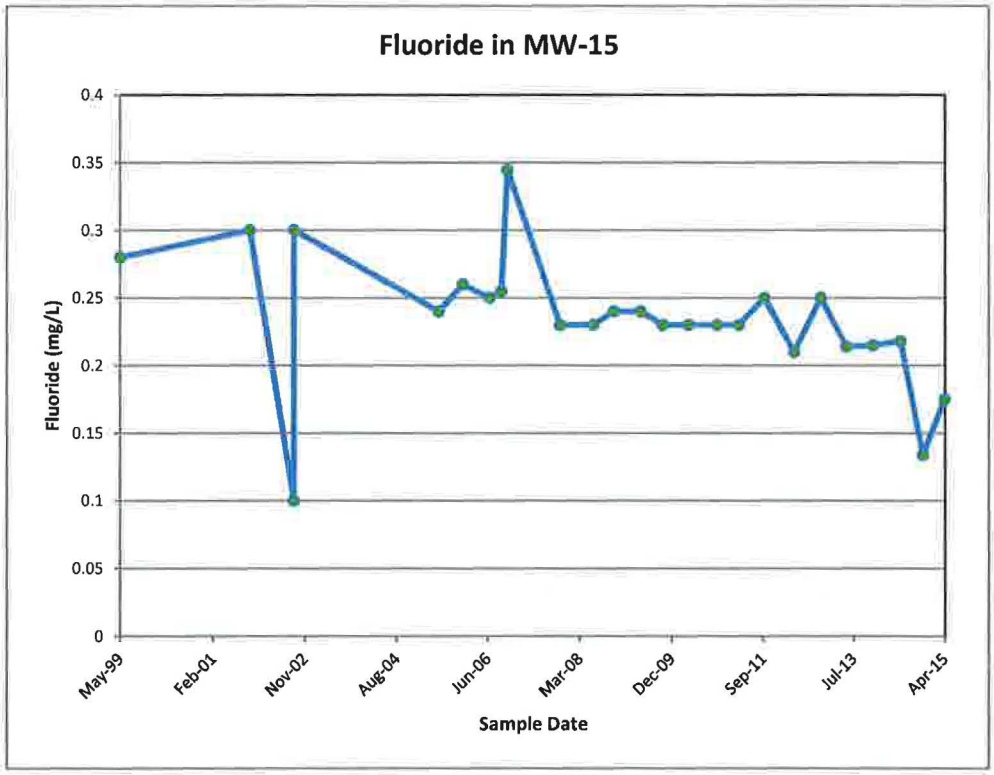


Detected Values

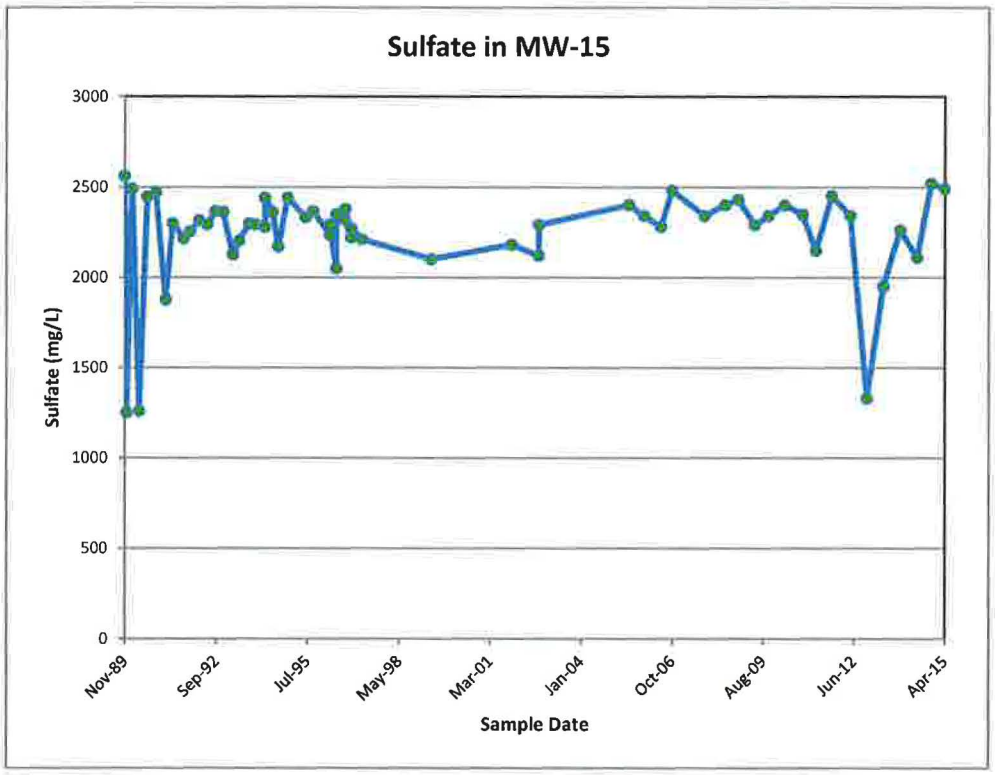
Non-Detected Values

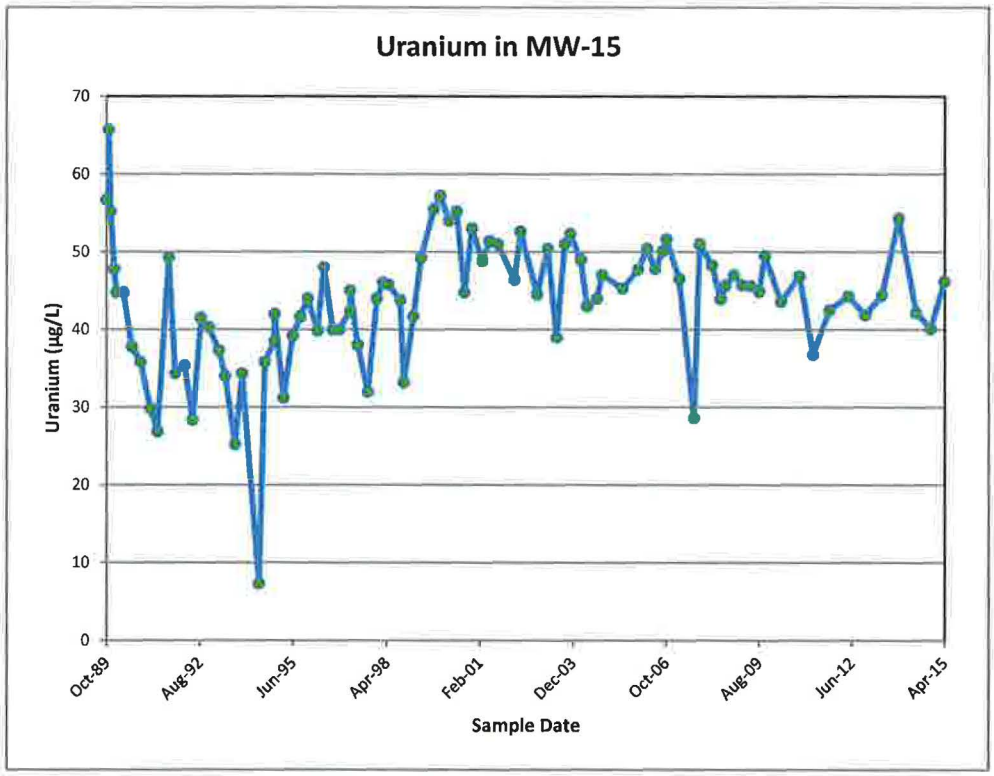
Time concentration plots for MW-15



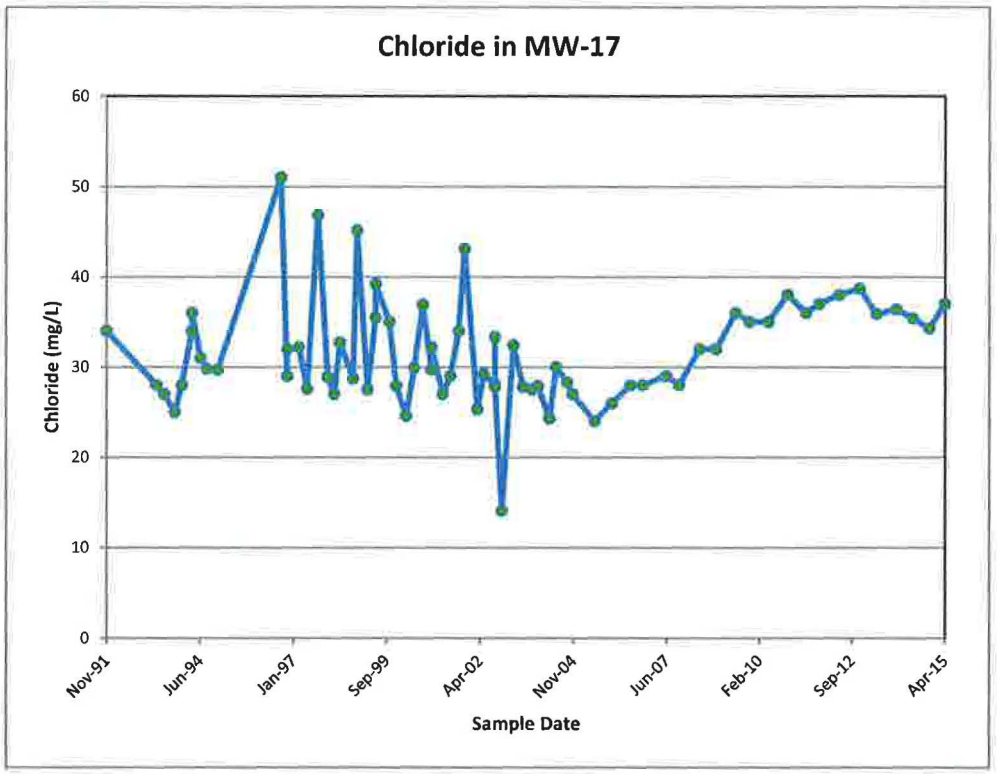


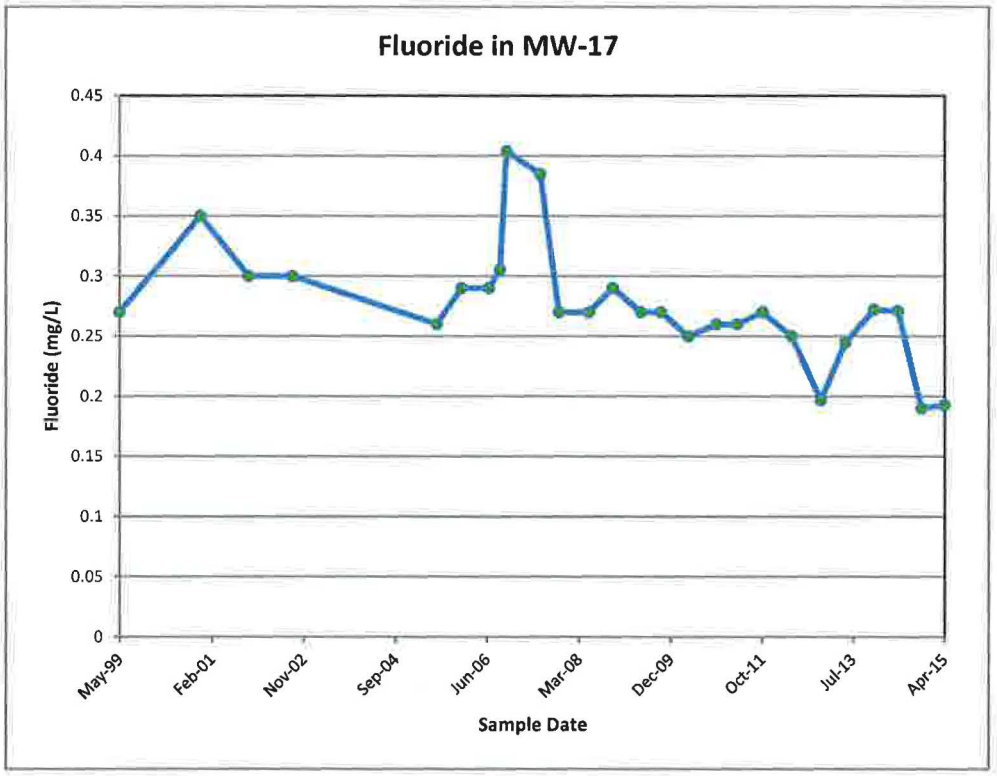
Time concentration plots for MW-15



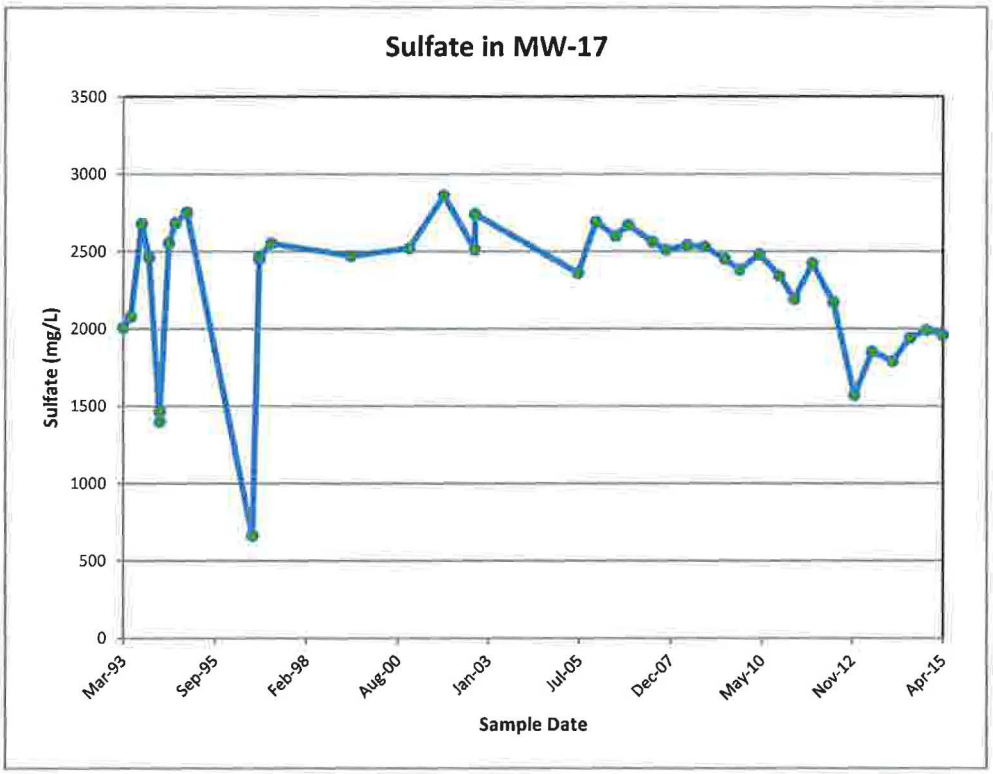


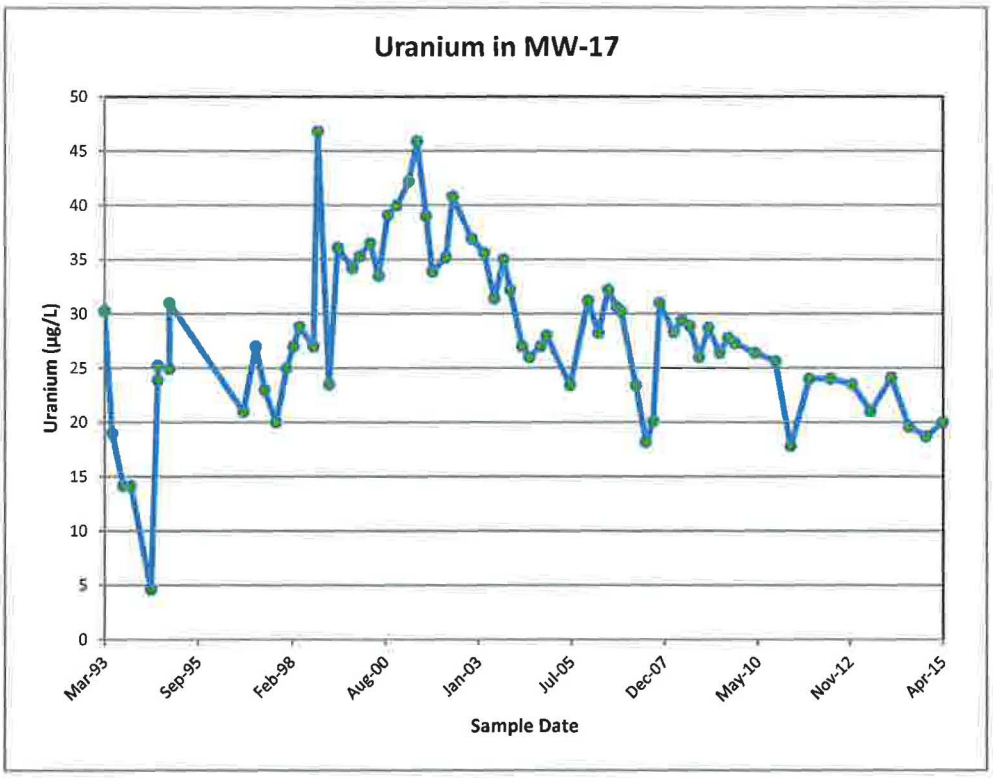
Time concentration plots for MW-17



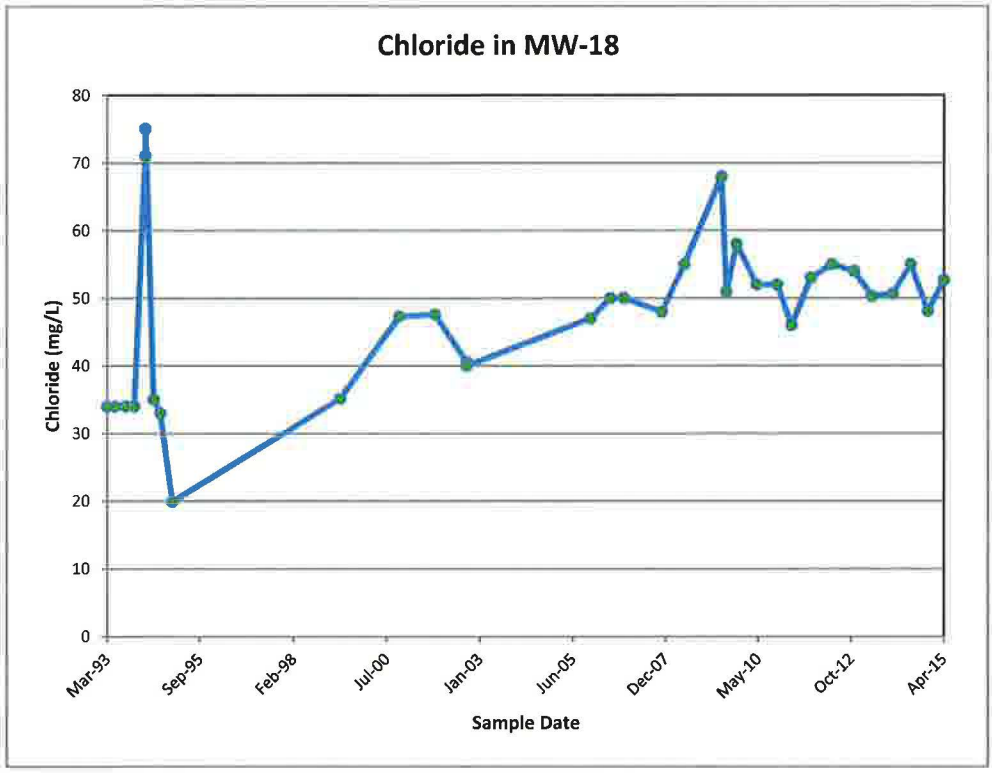


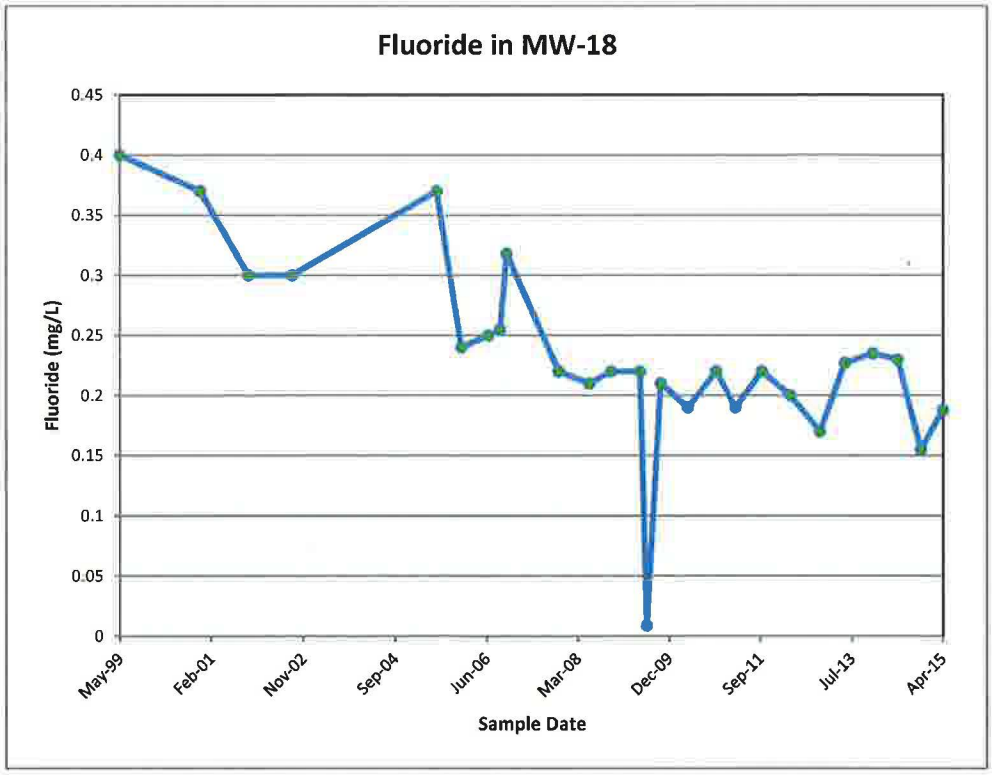
Time concentration plots for MW-17



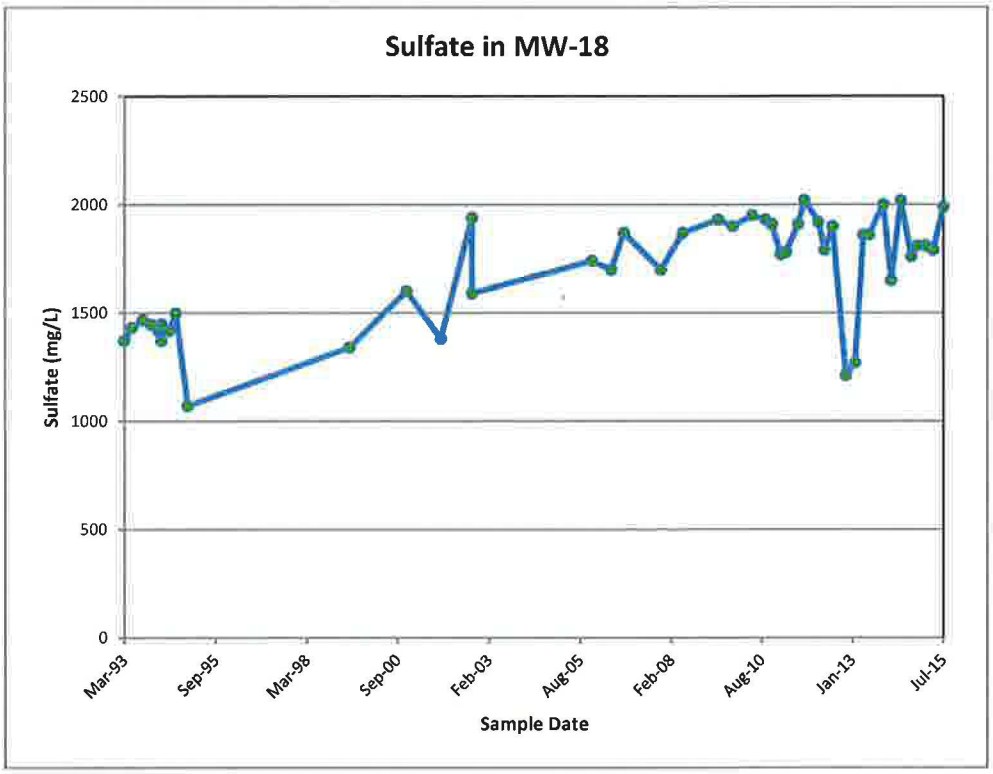


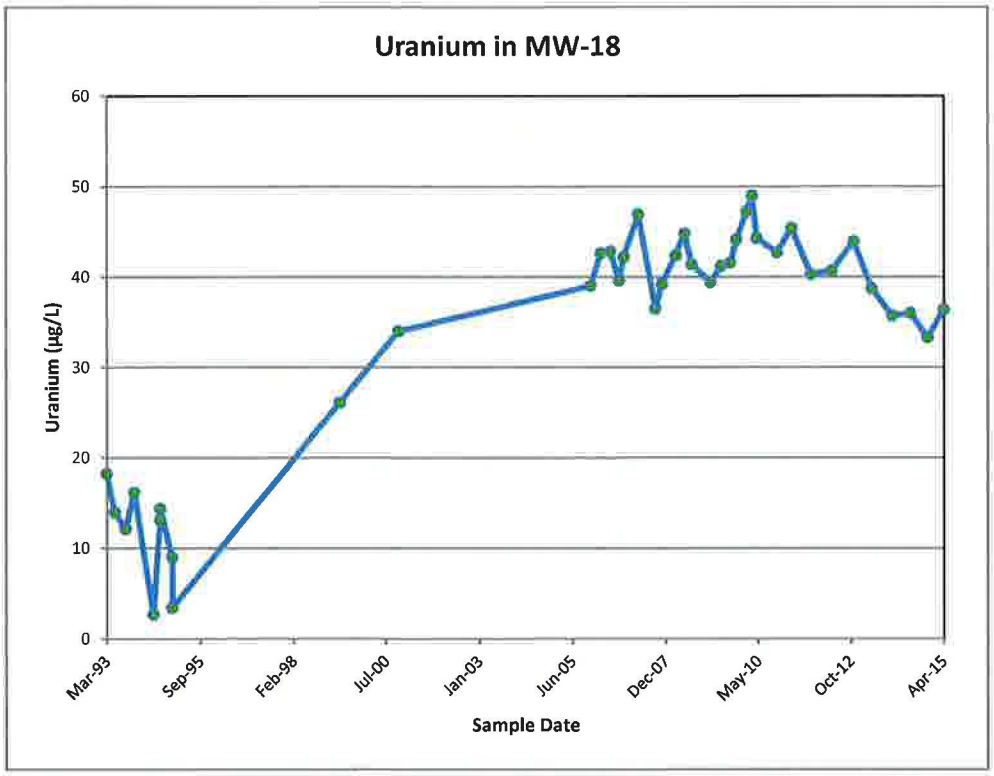
Time concentration plots for MW-18





Time concentration plots for MW-18

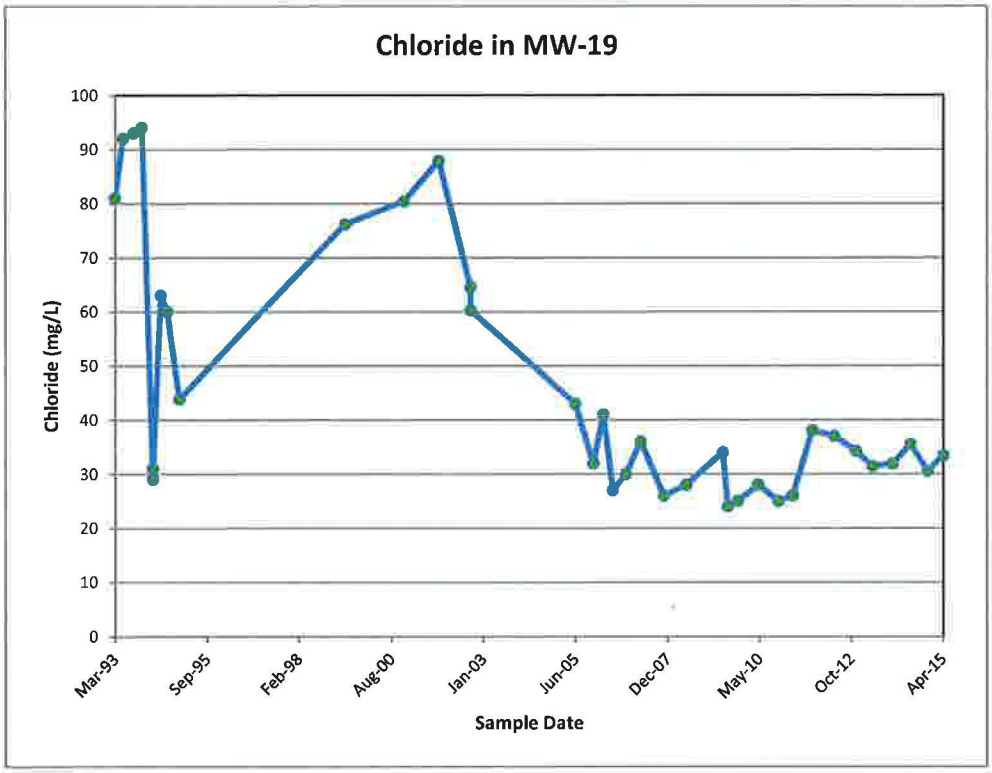


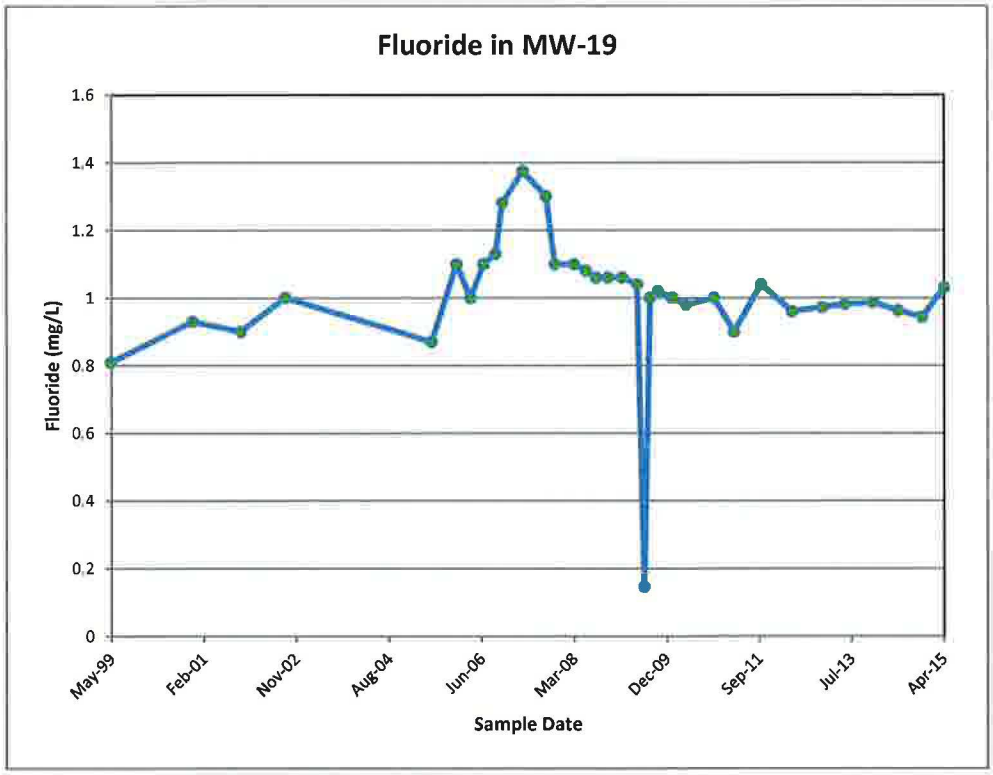


Detected Values

Non-Detected Values

Time concentration plots for MW-19

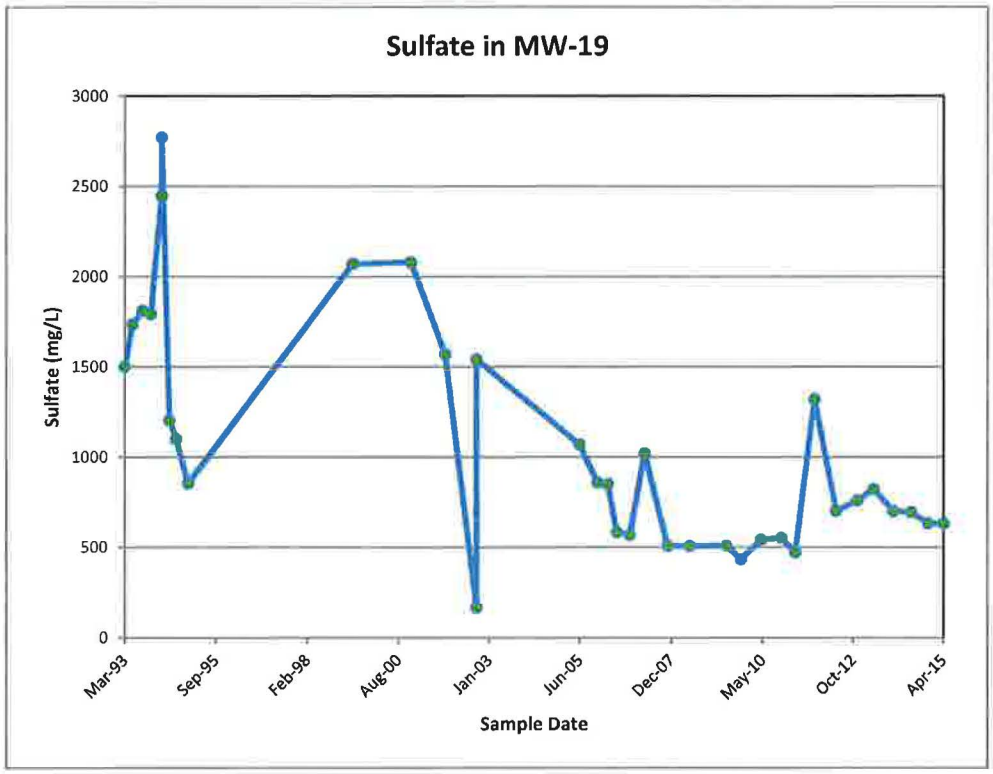


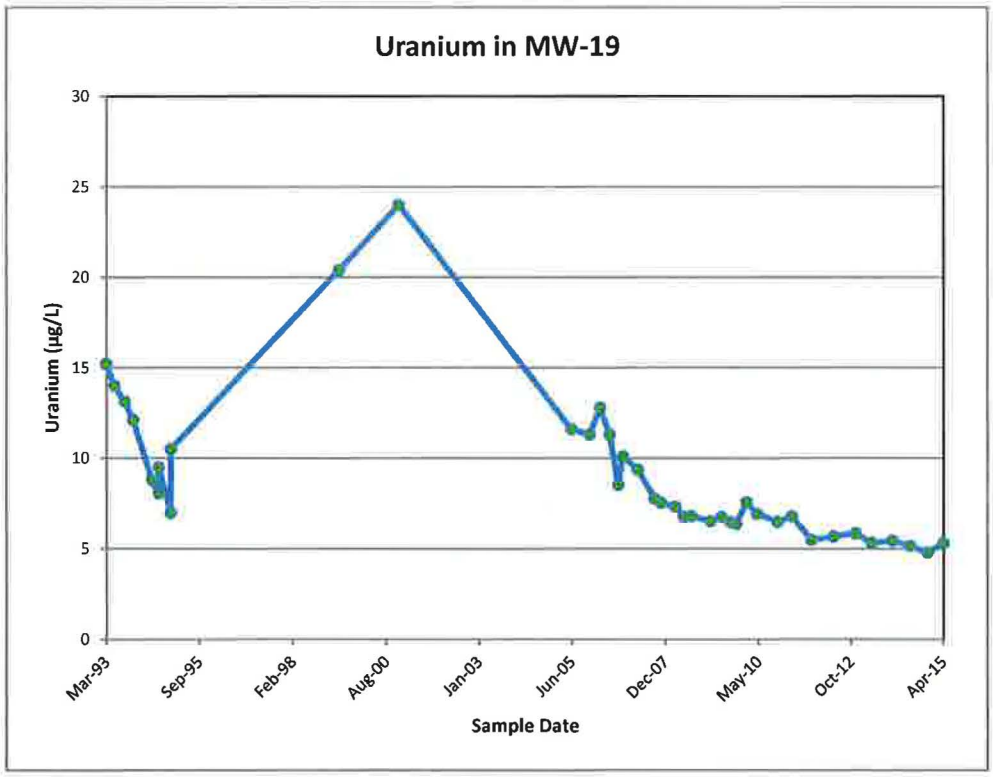


Detected Values

Non-Detected Values

Time concentration plots for MW-19

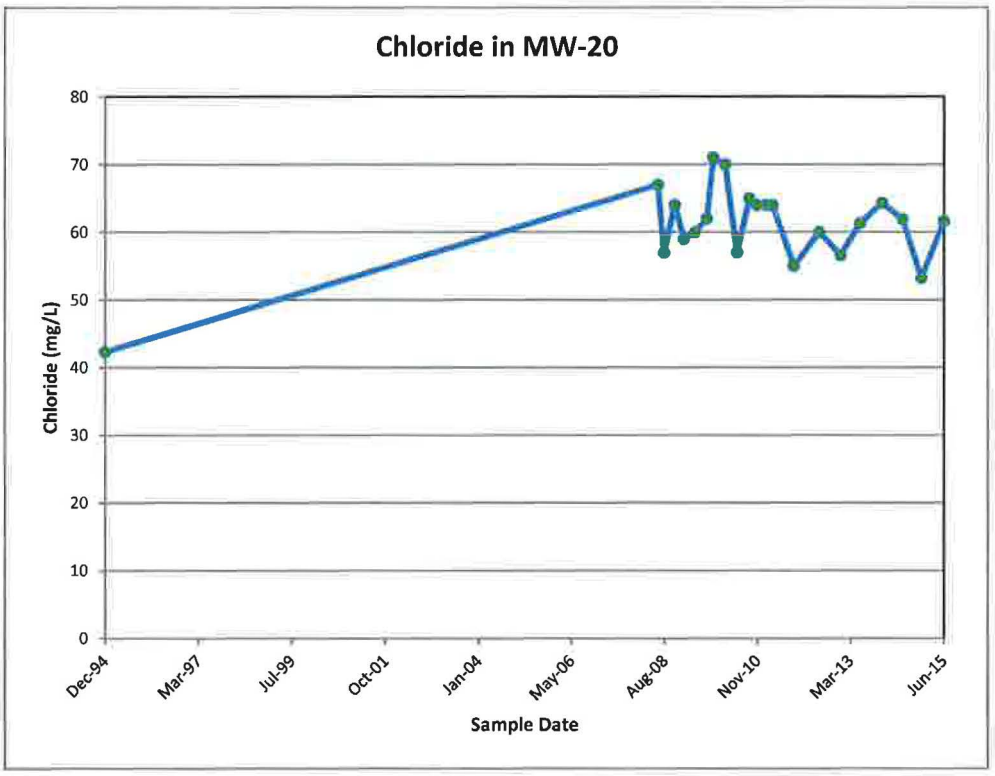


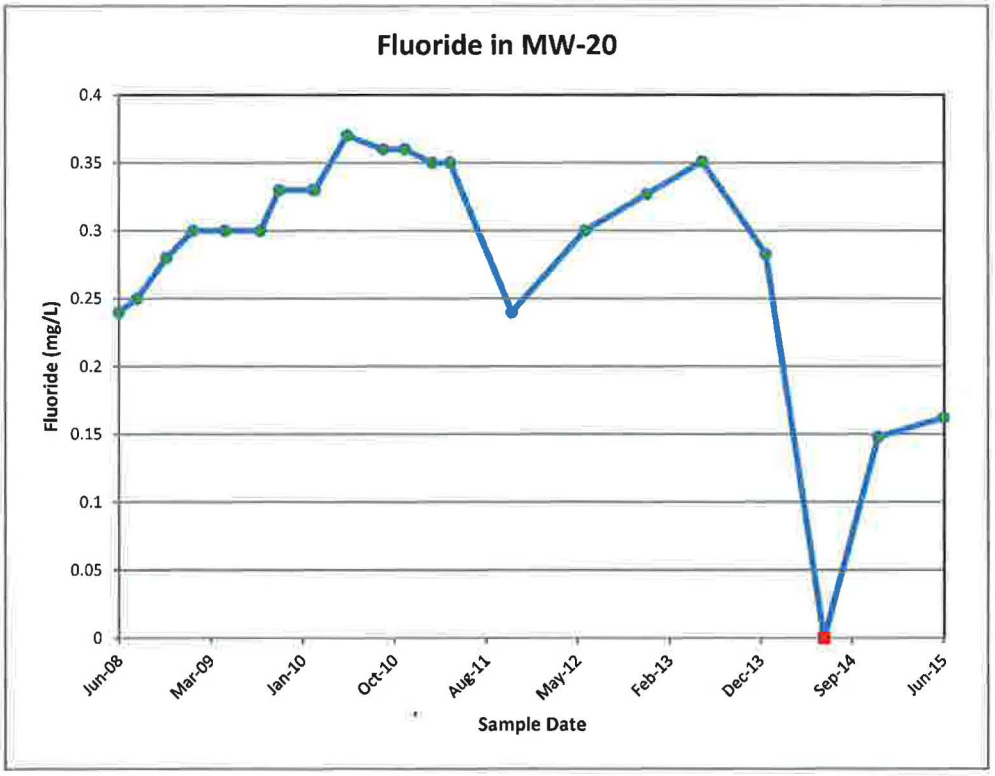


Detected Values

Non-Detected Values

Time concentration plots for MW-20

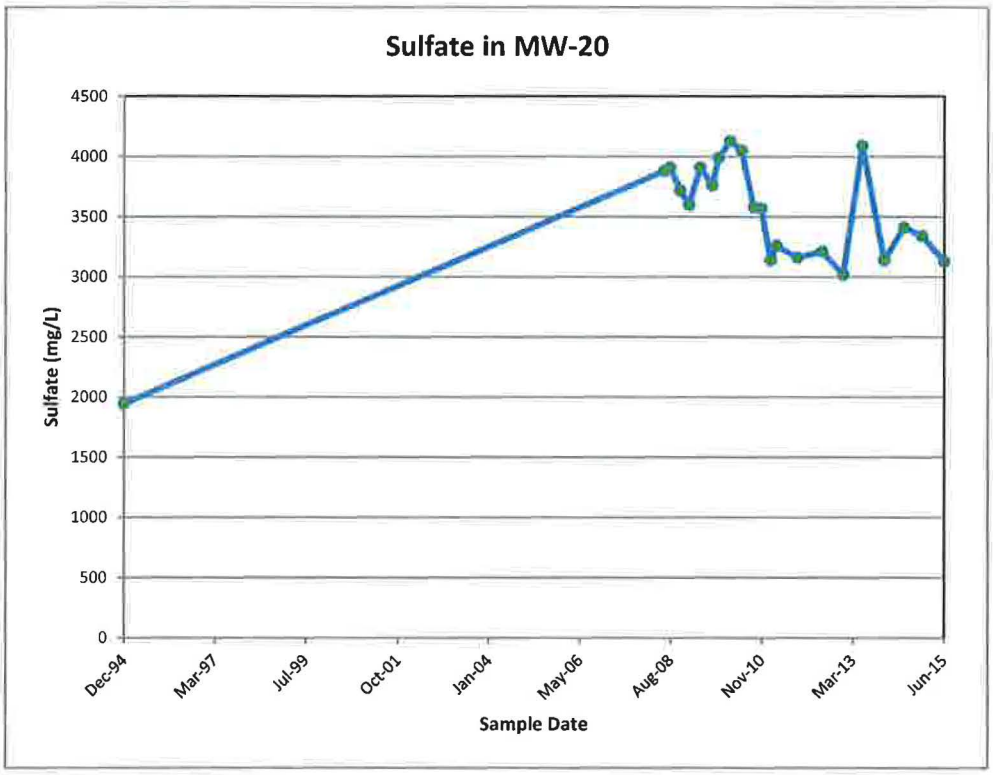


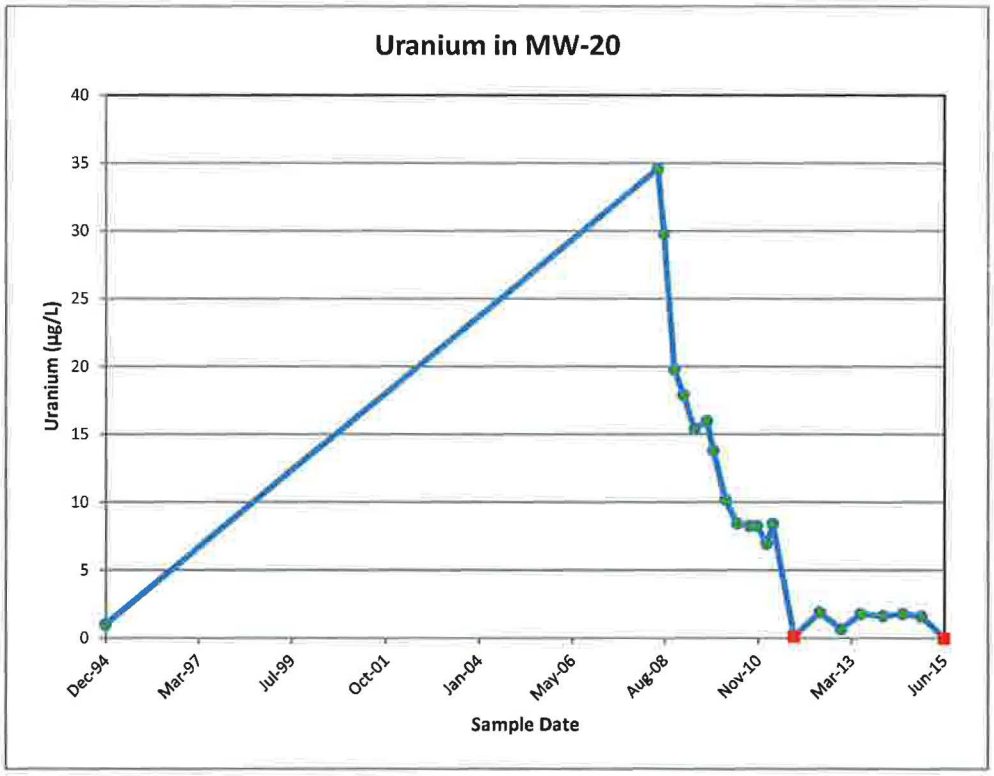


Detected Values

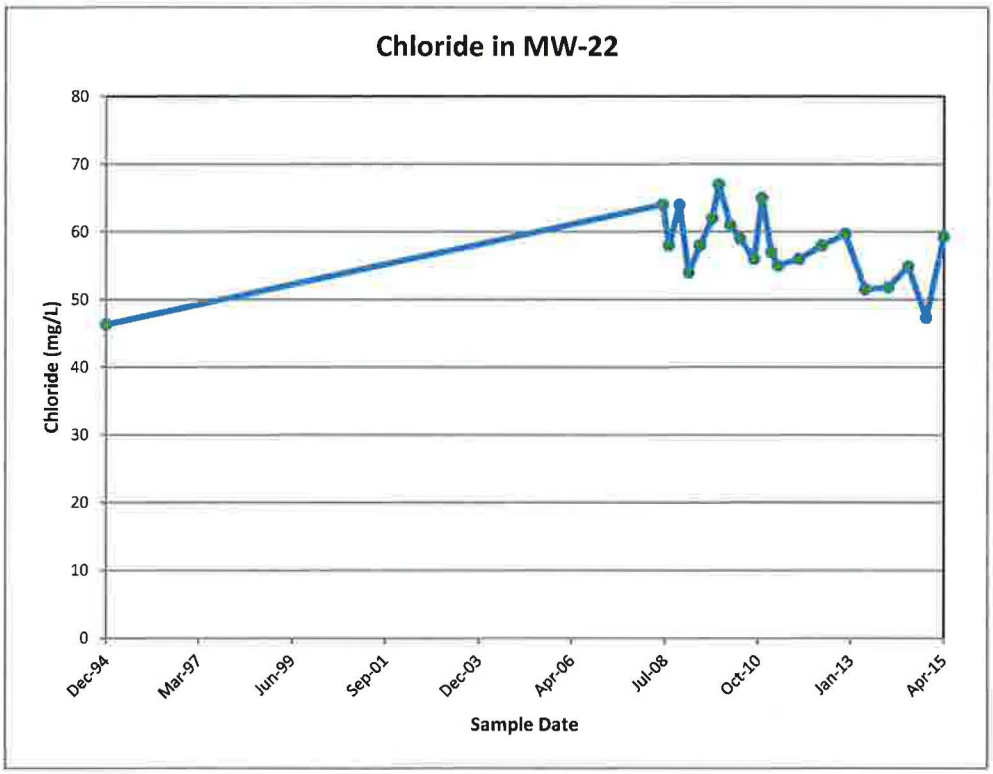
Non-Detected Values

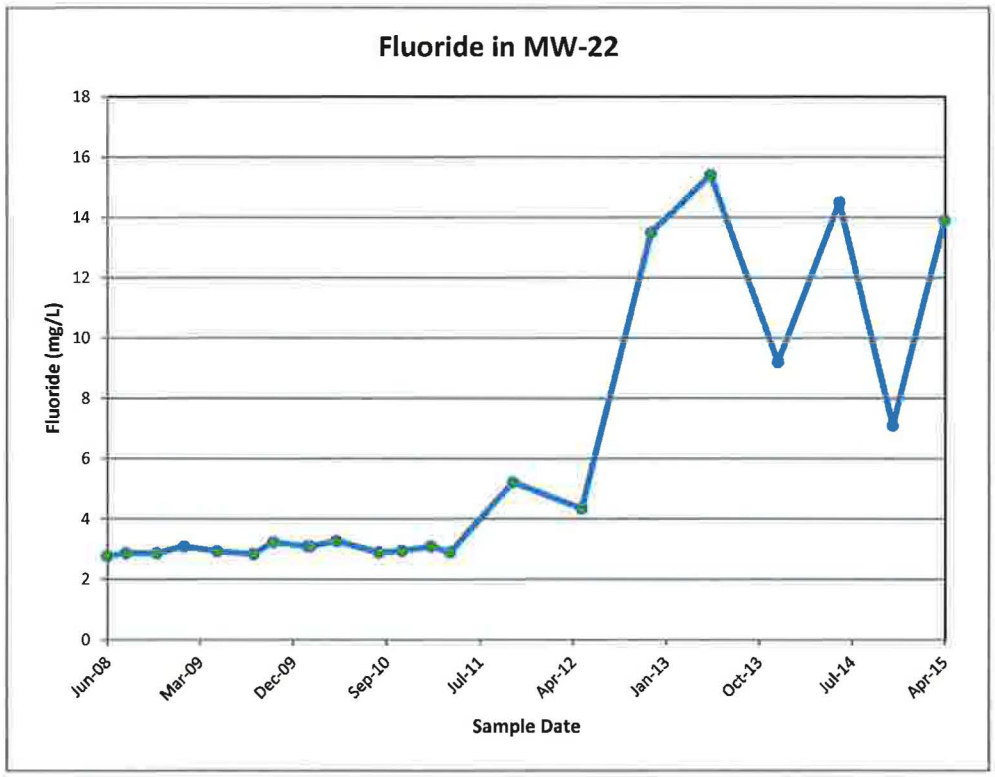
Time concentration plots for MW-20



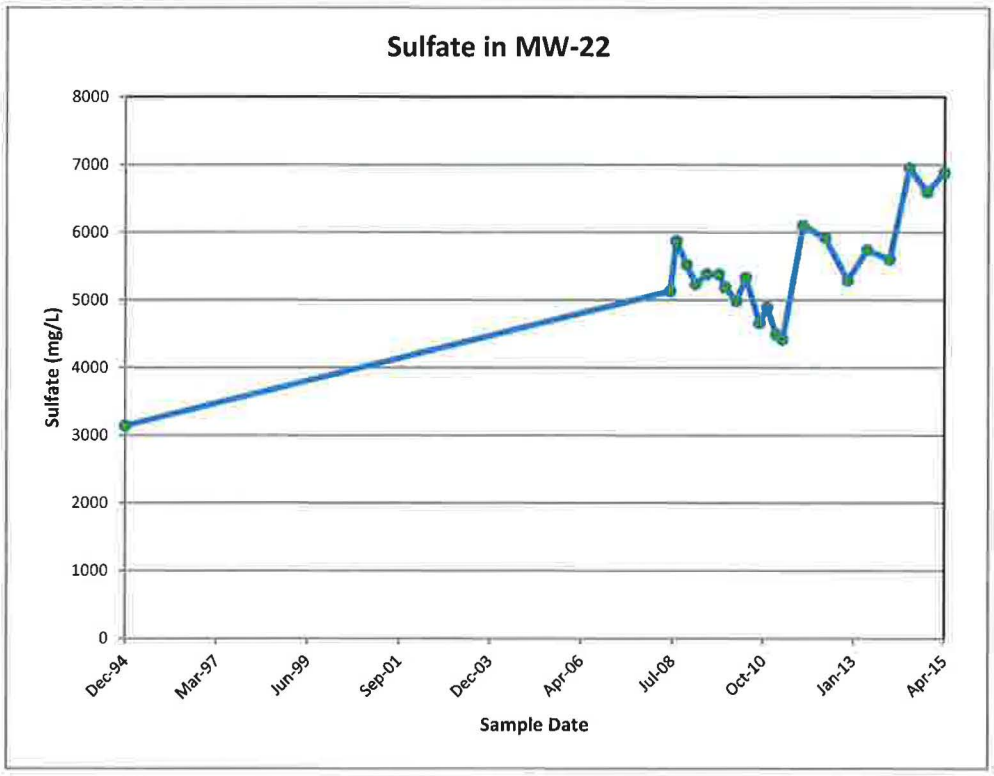


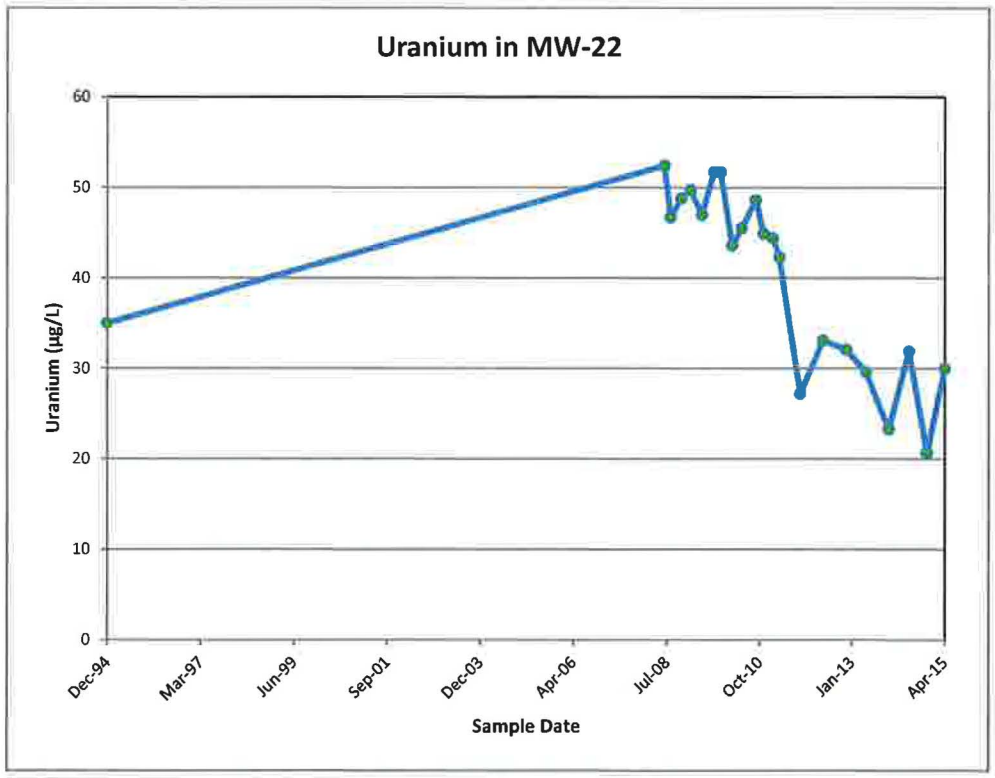
Time concentration plots for MW-22



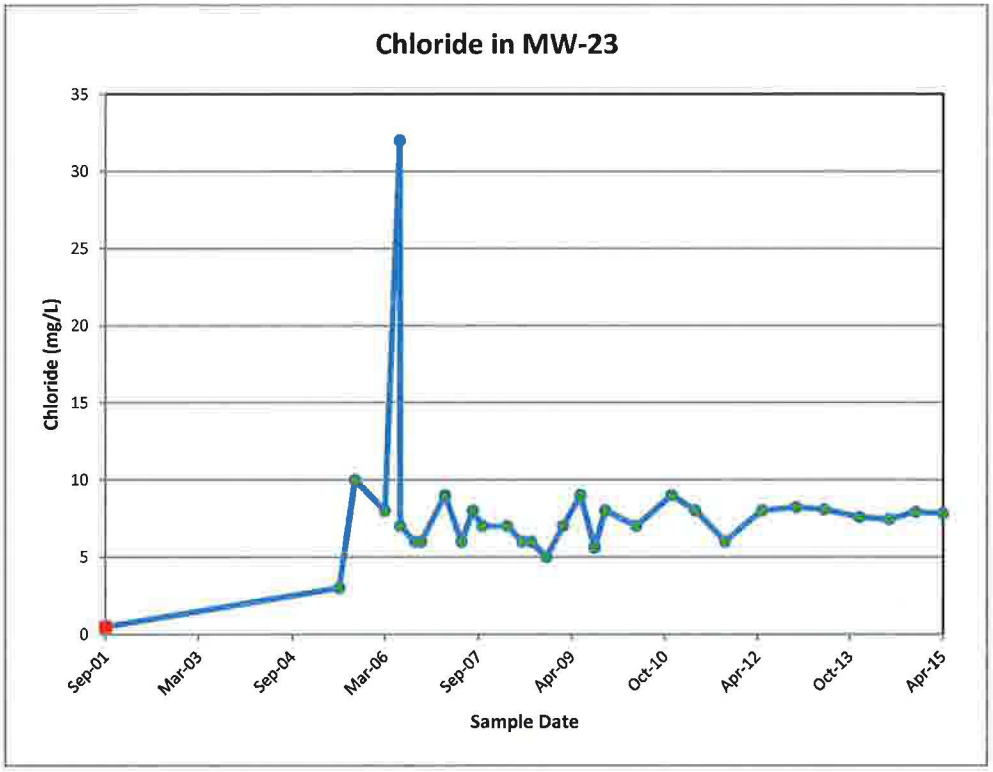


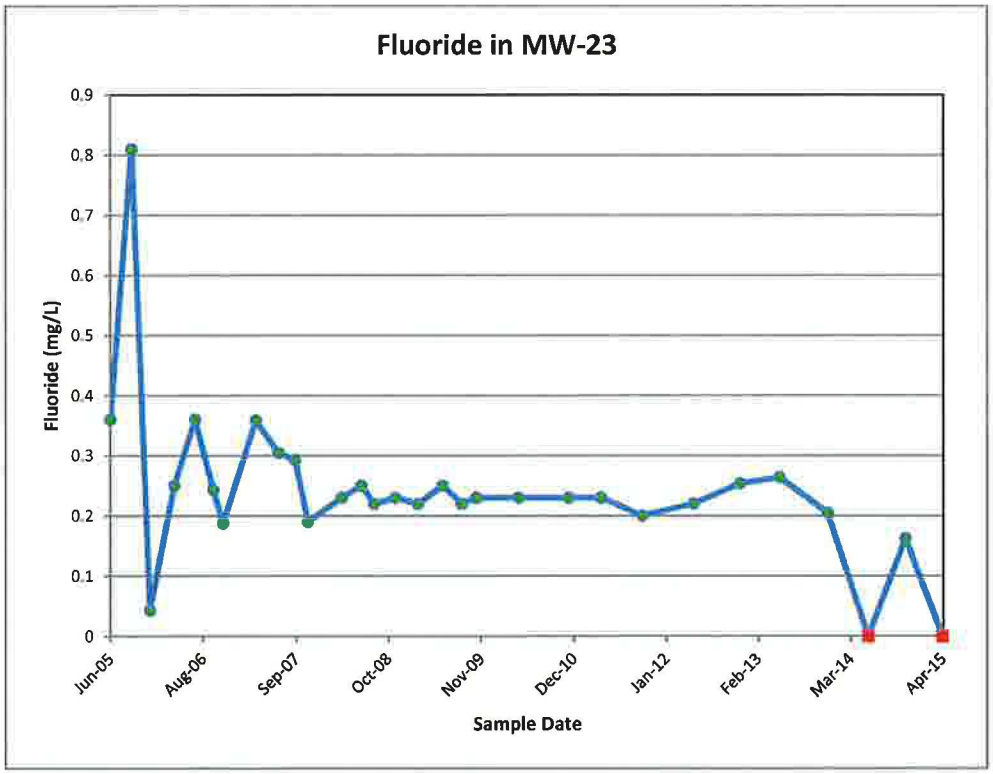
Time concentration plots for MW-22



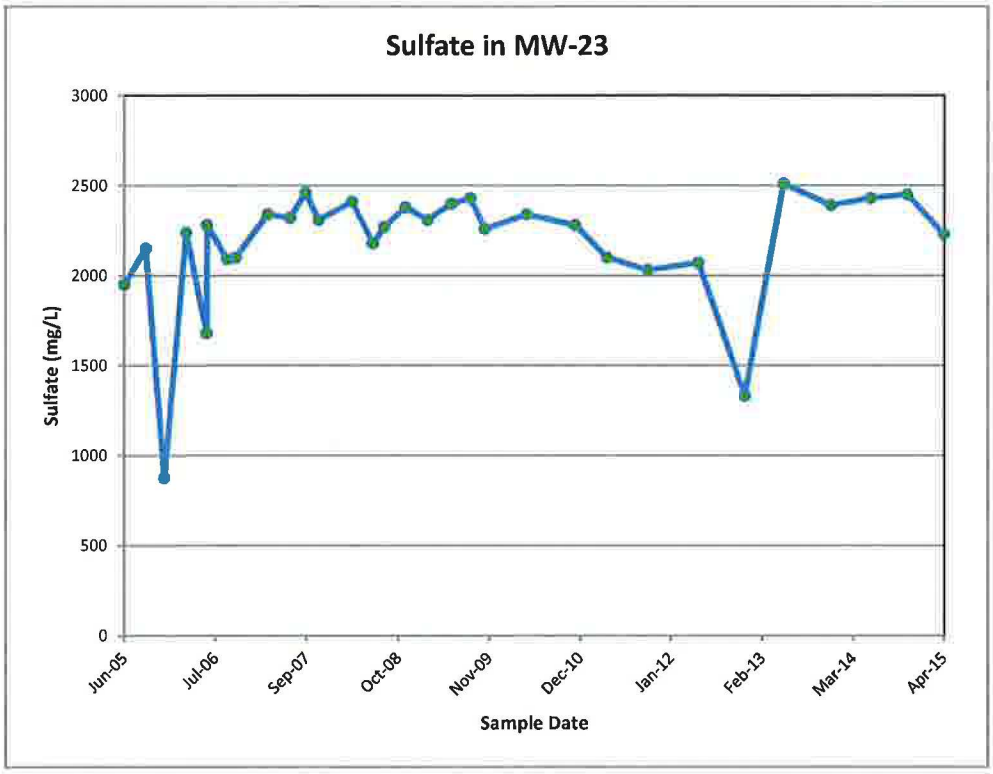


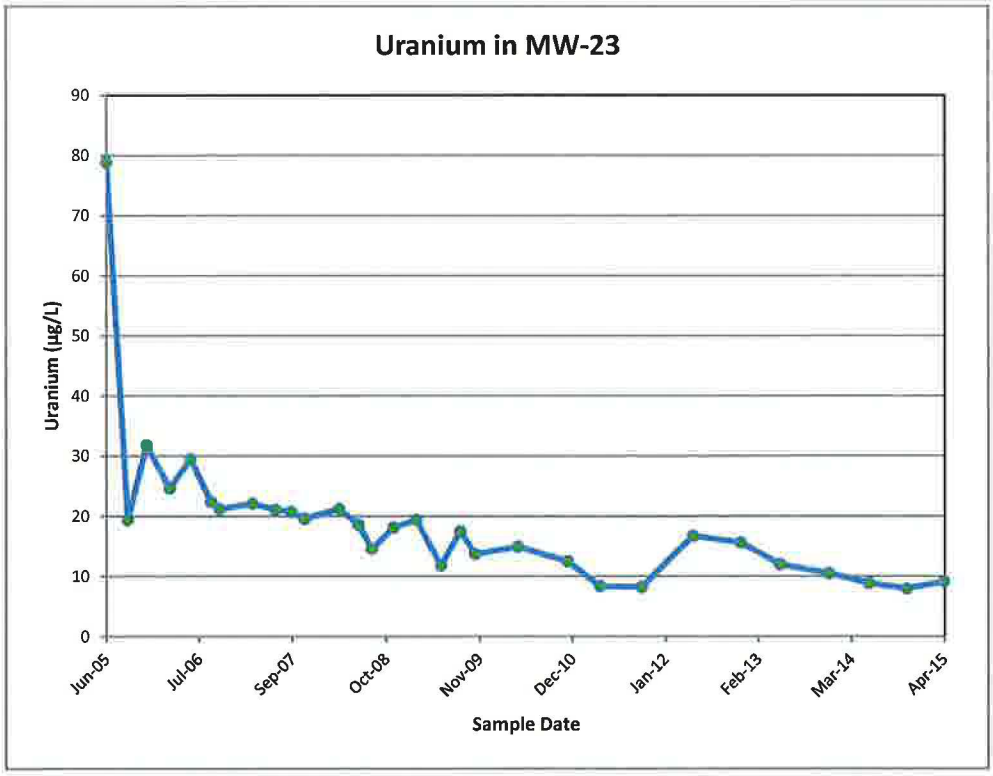
Time concentration plots for MW-23



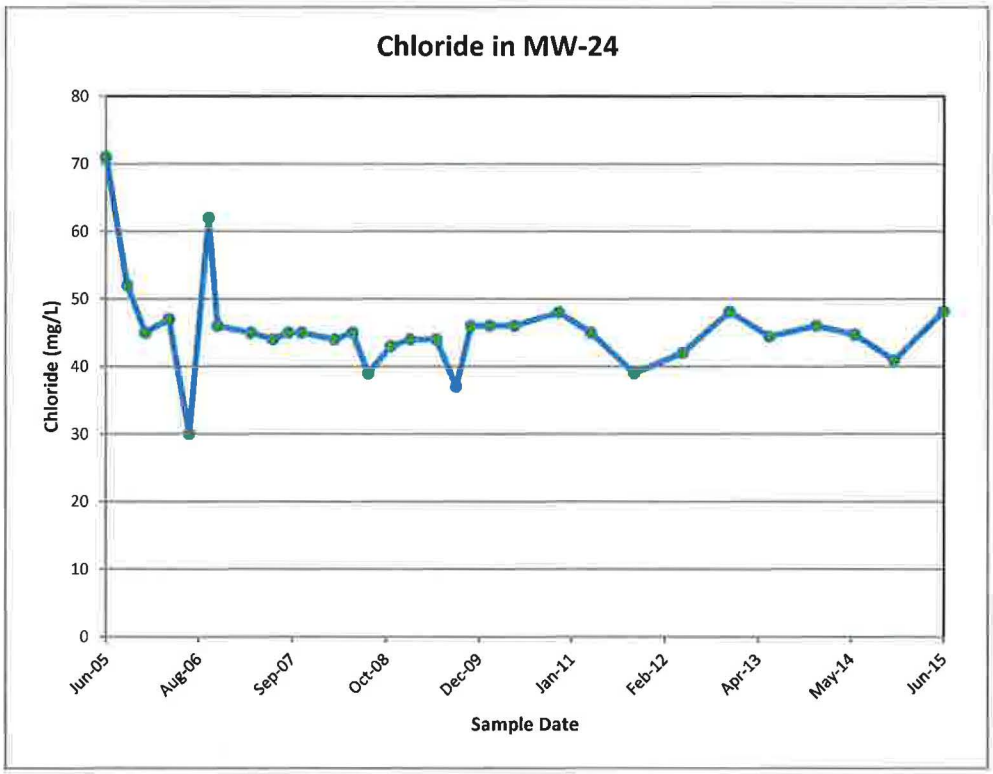


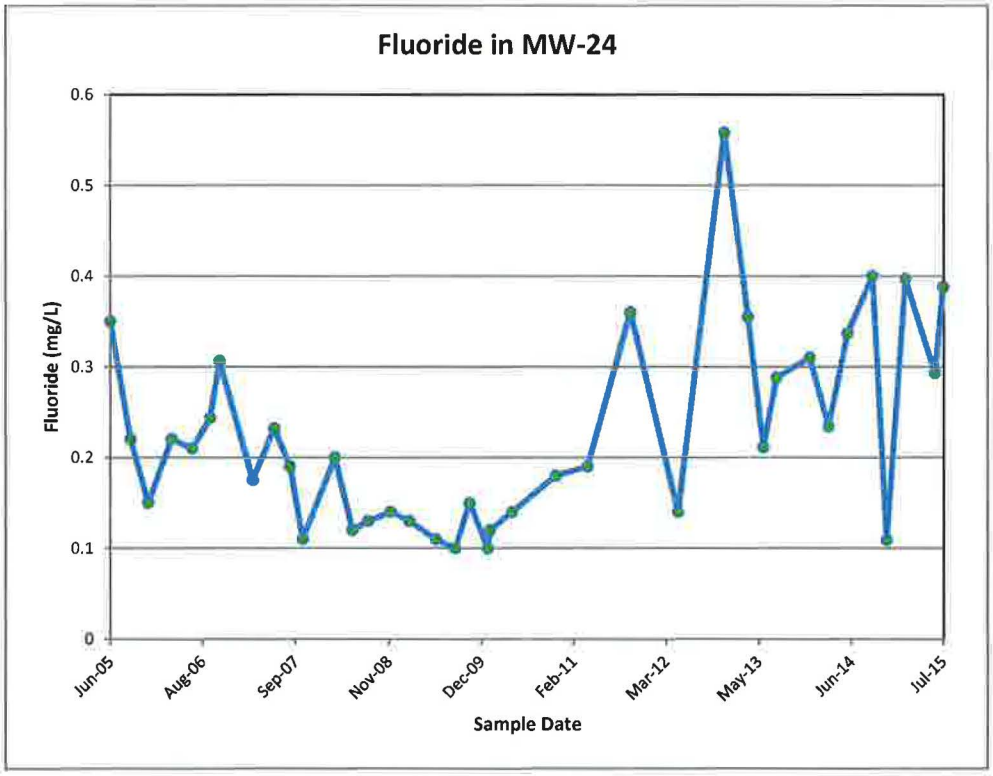
Time concentration plots for MW-23



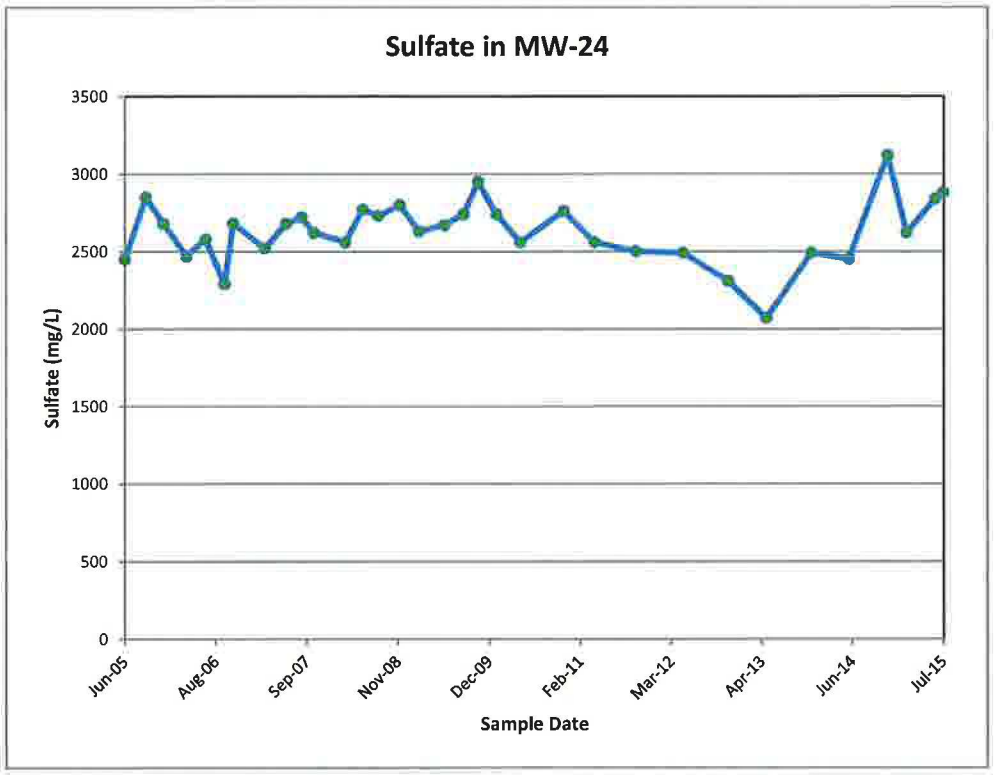


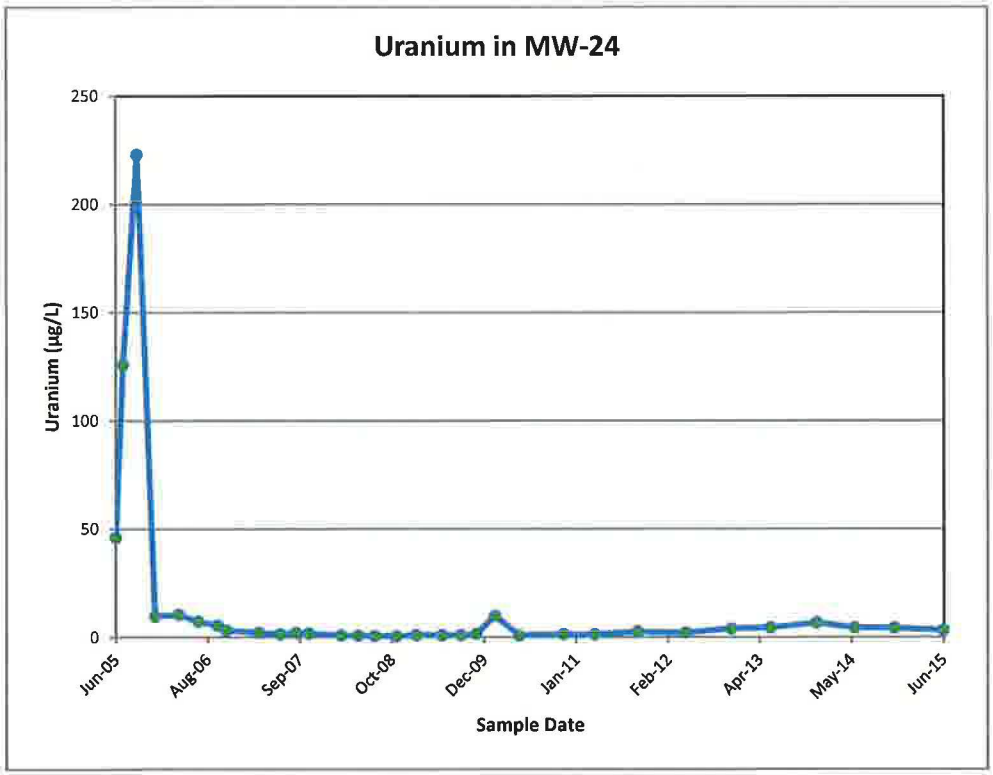
Time concentration plots for MW-24





Time concentration plots for MW-24

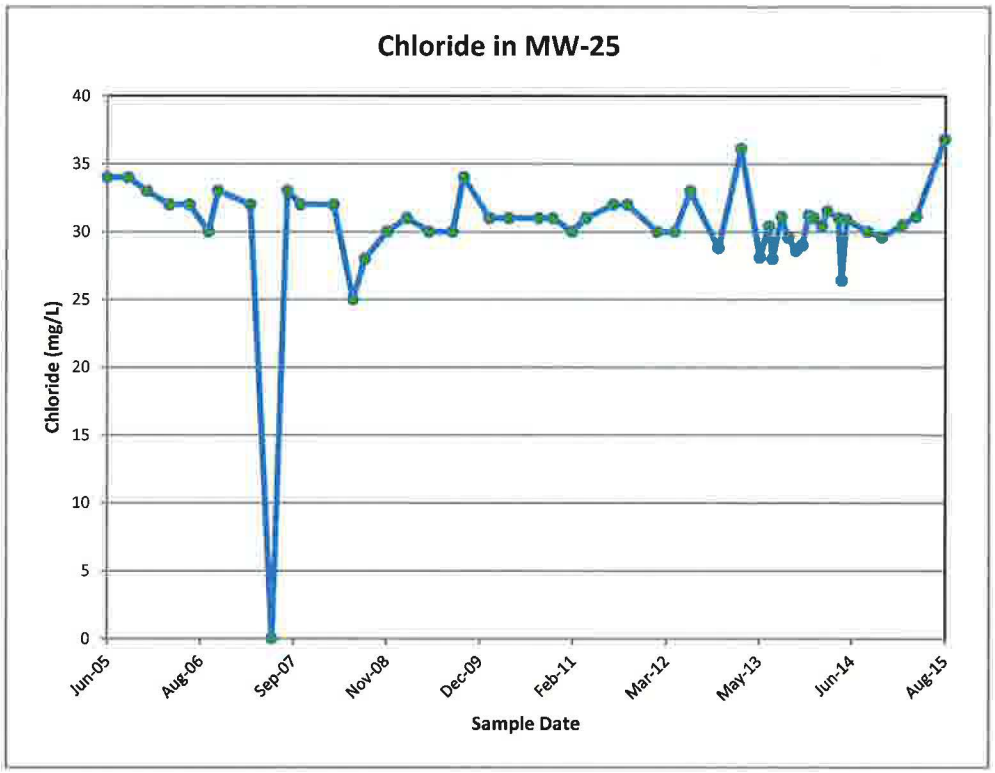


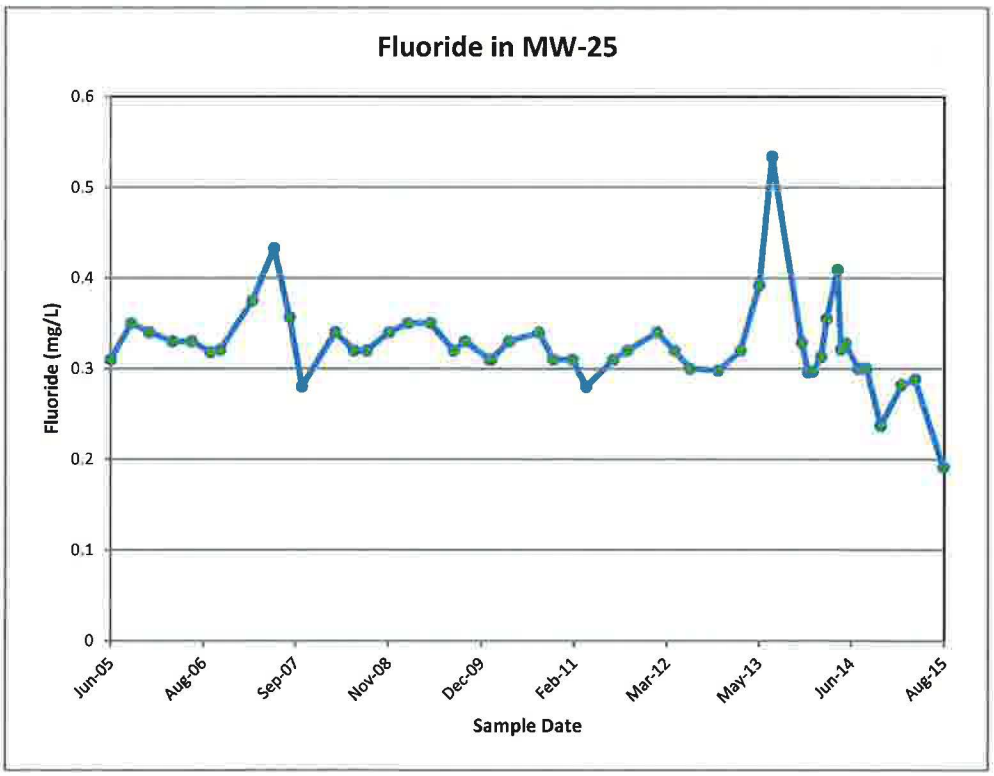


Detected Values

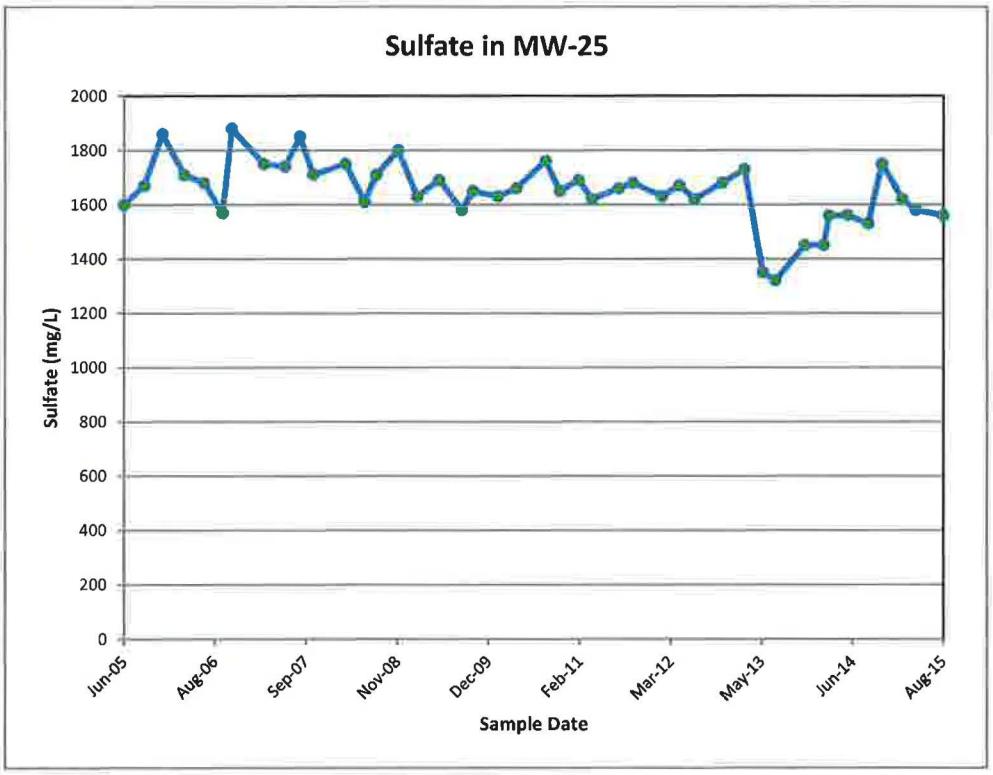
Non-Detected Values

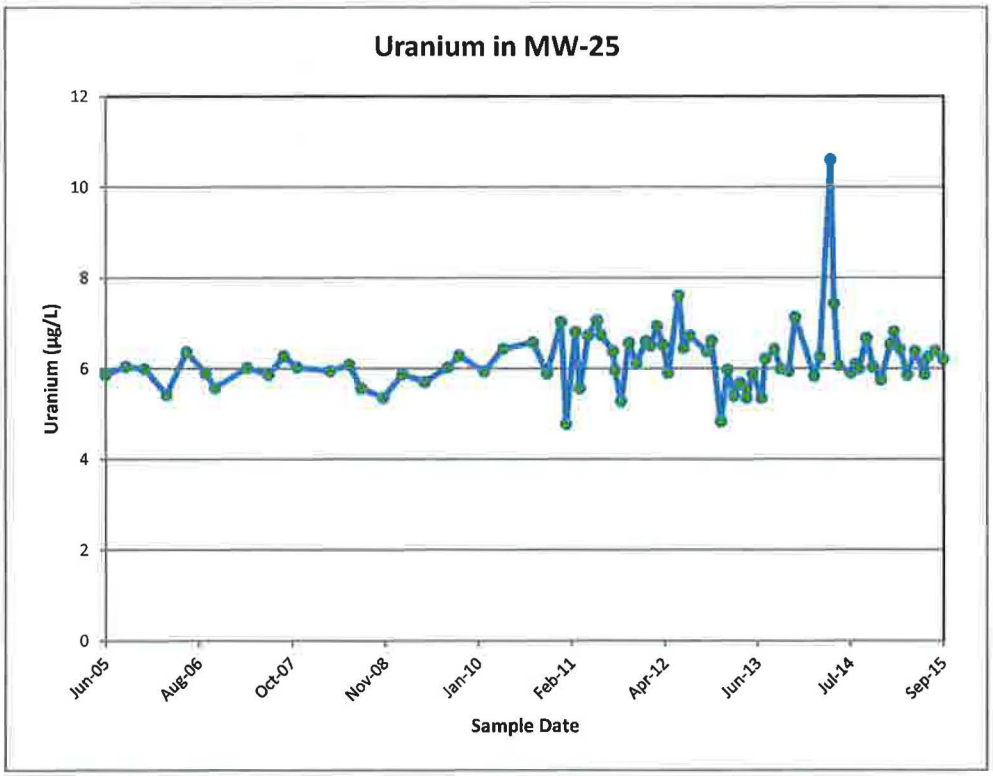
Time concentration plots for MW-25





Time concentration plots for MW-25

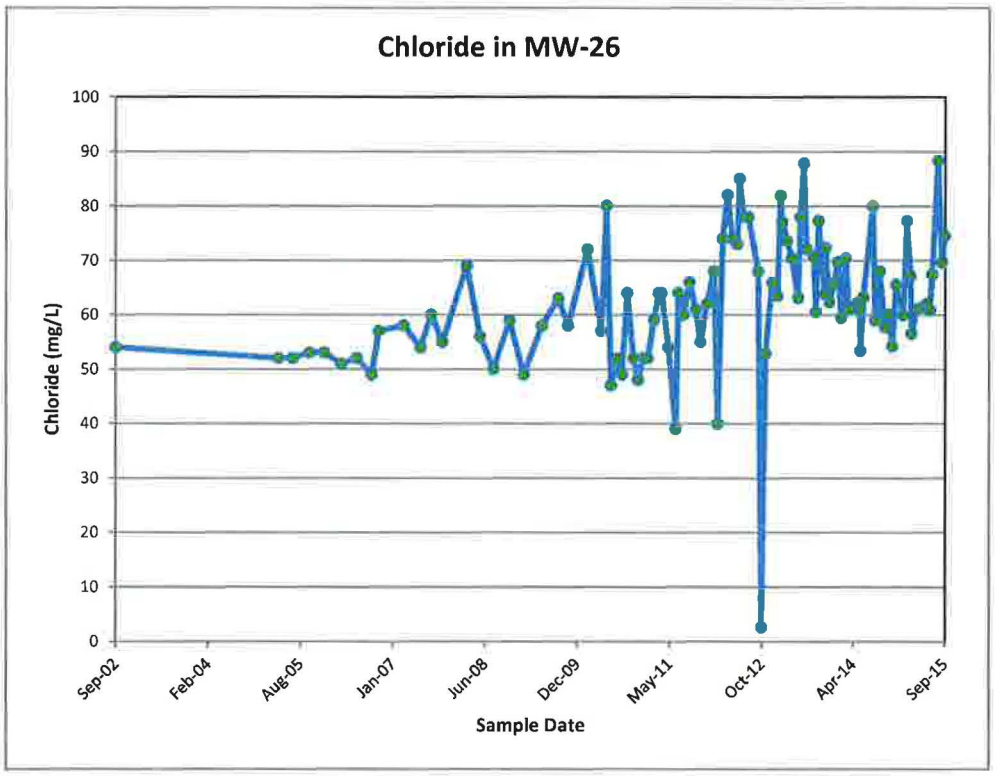


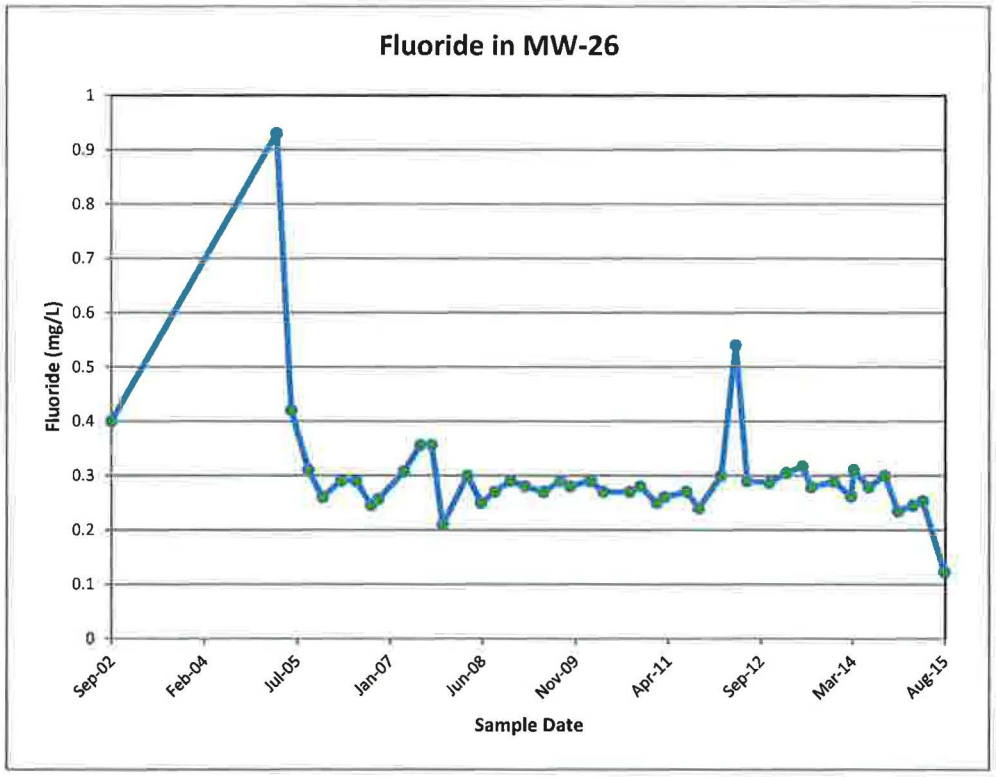


Detected Values

Non-Detected Values

Time concentration plots for MW-26

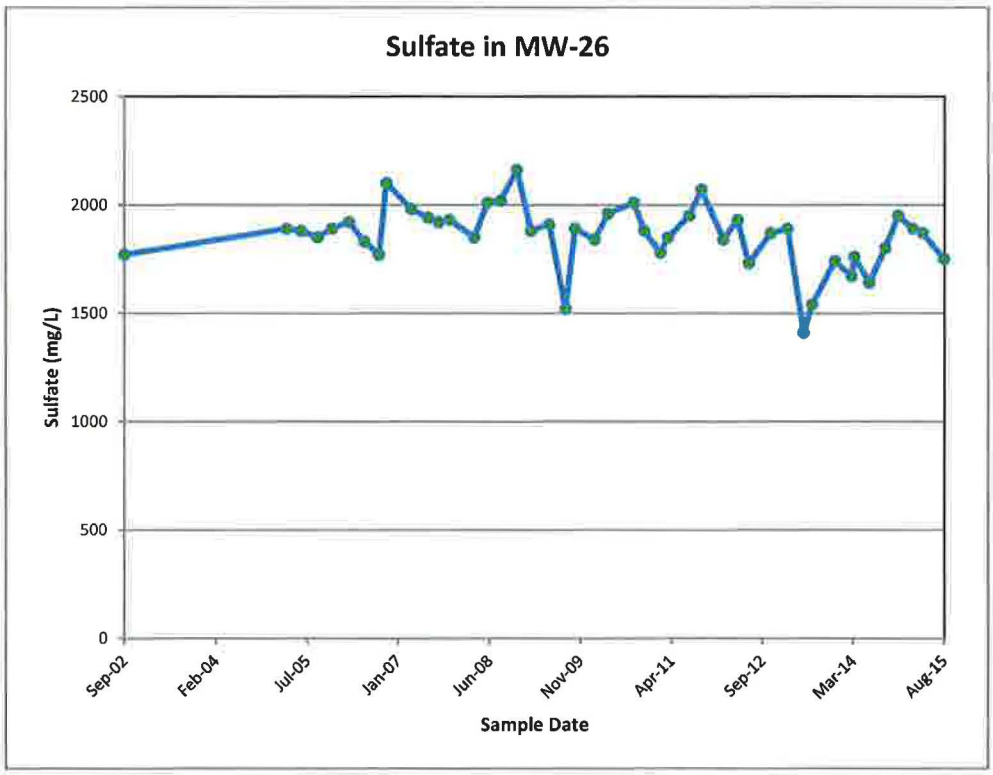


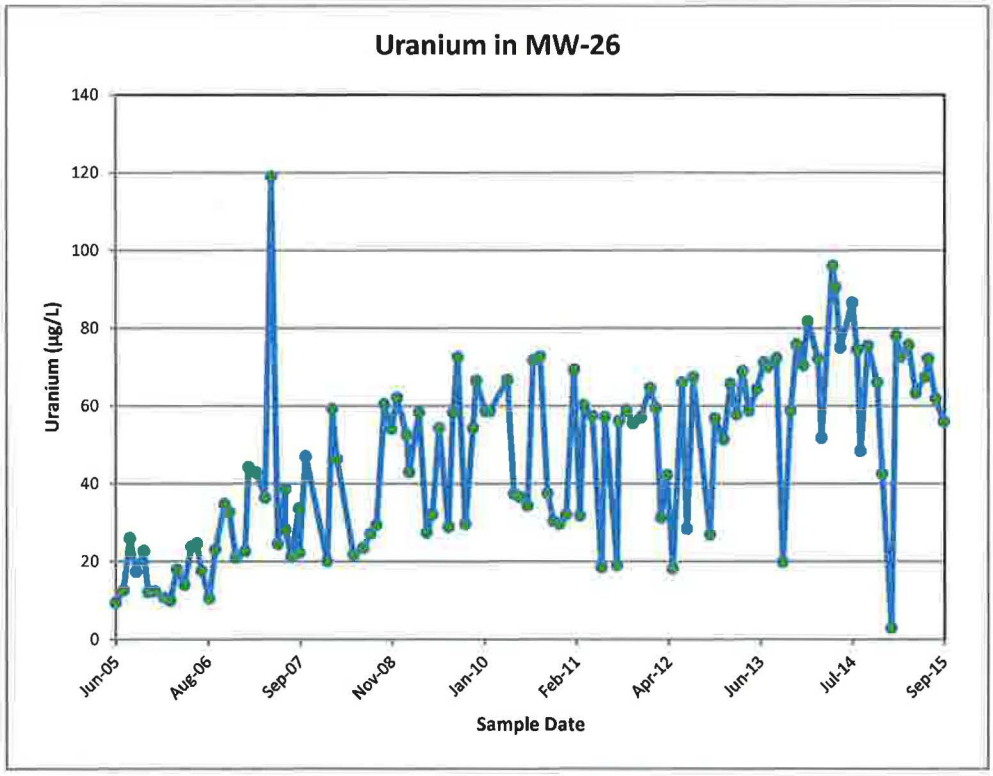


Detected Values

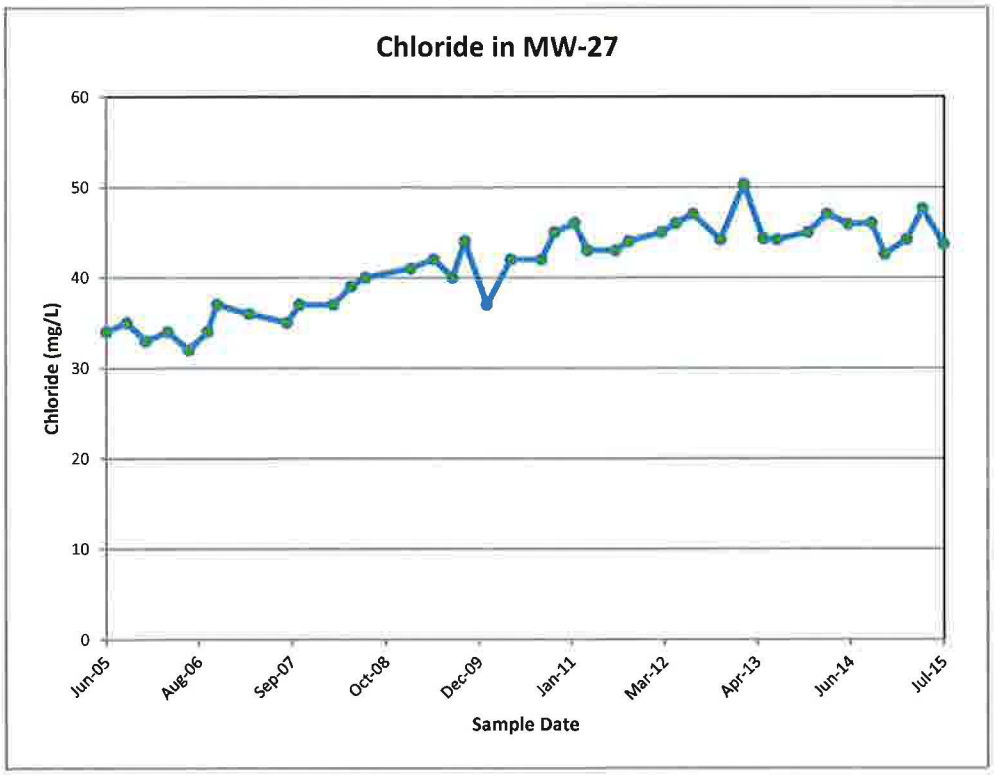
Non-Detected Values

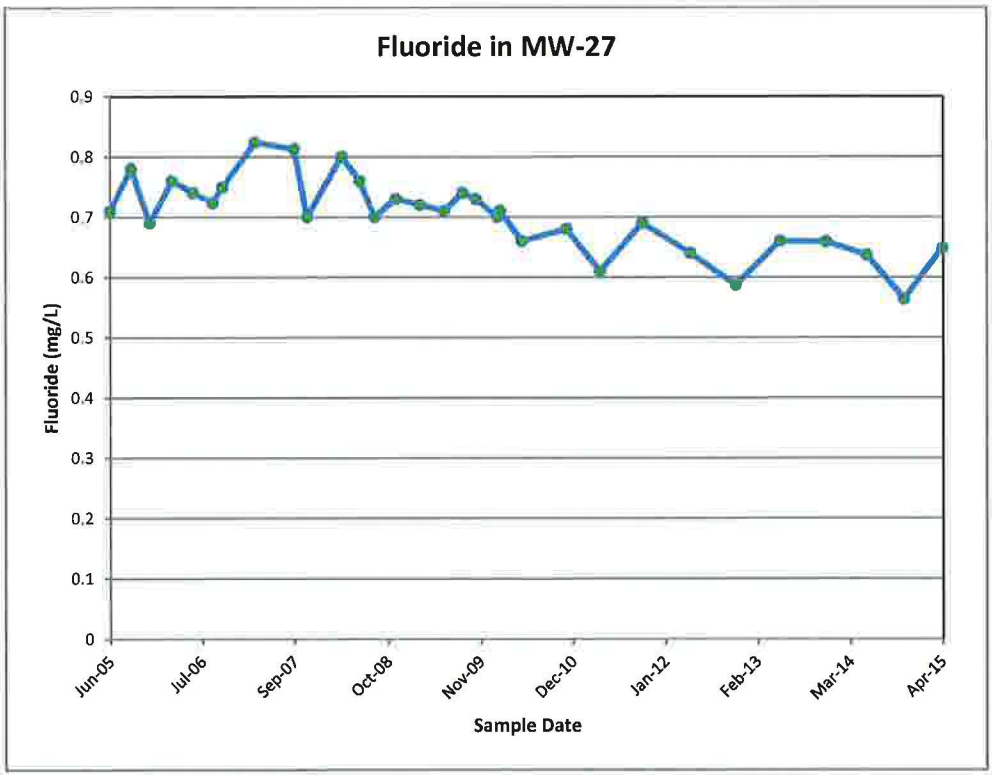
Time concentration plots for MW-26





Time concentration plots for MW-27

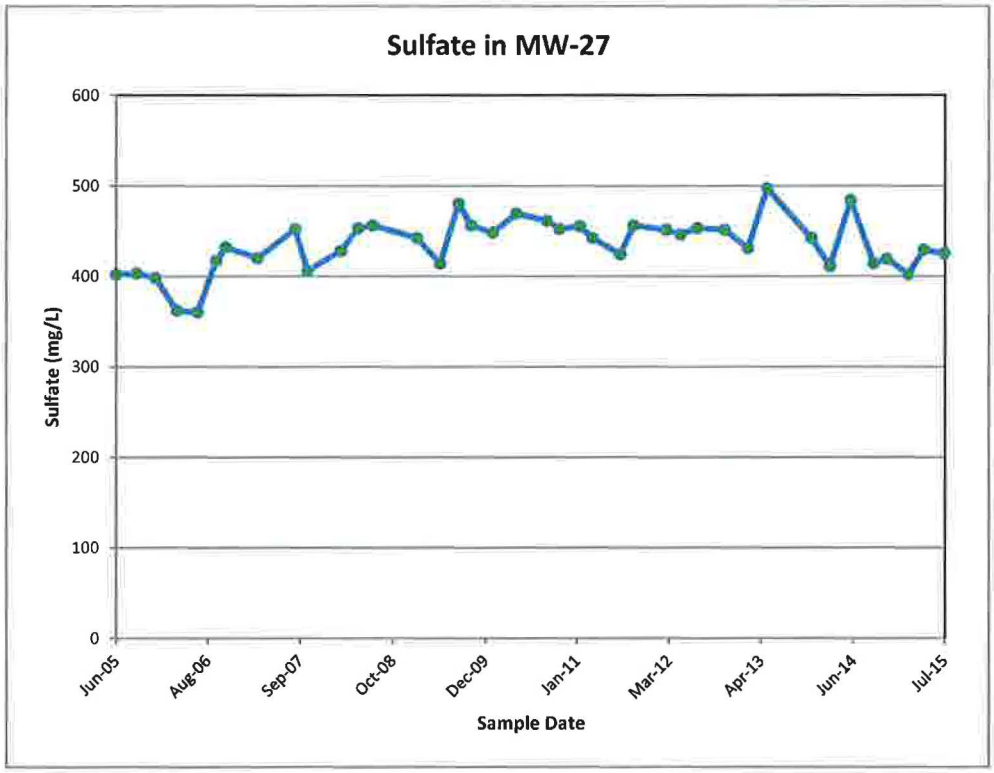


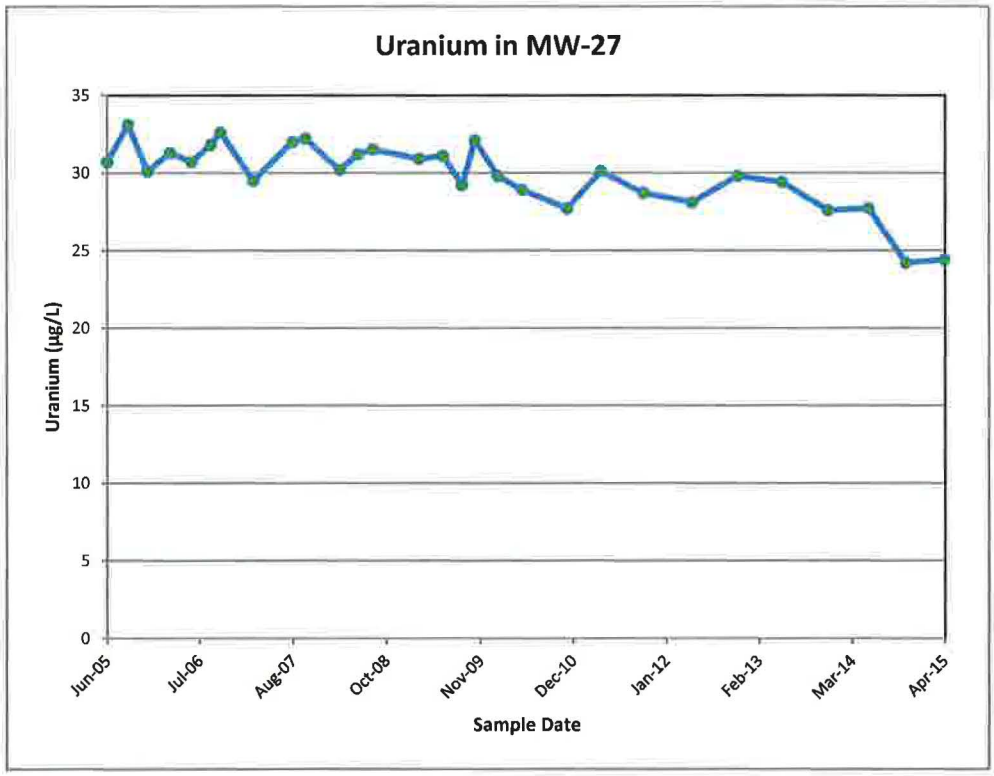


Detected Values

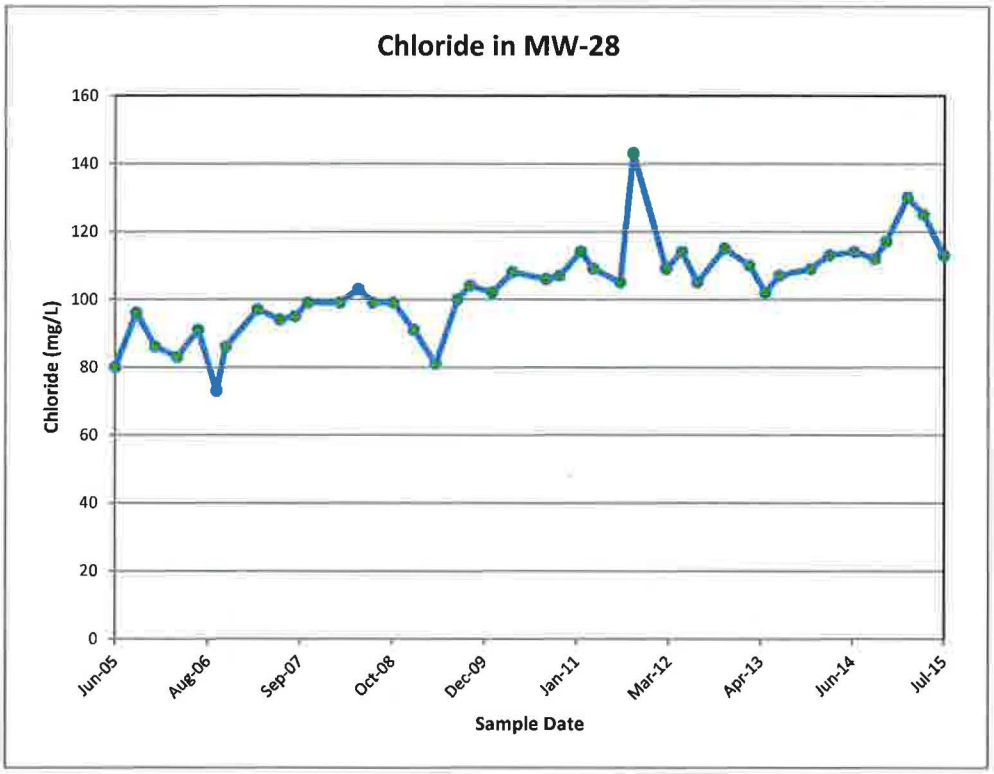
Non-Detected Values

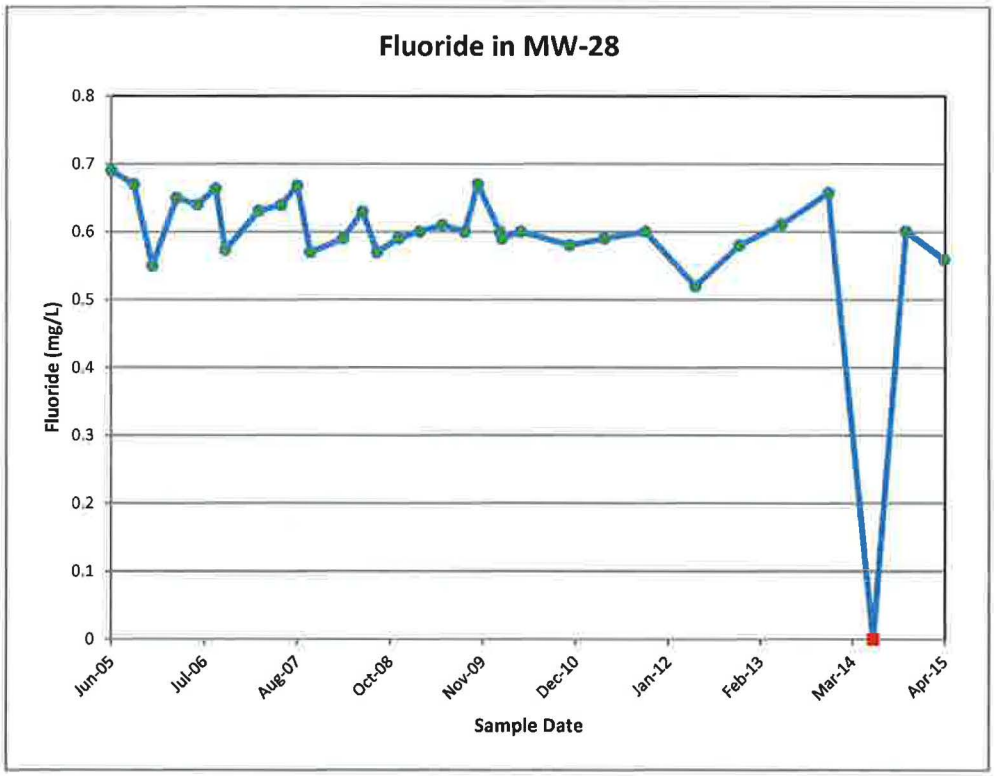
Time concentration plots for MW-27





Time concentration plots for MW-28

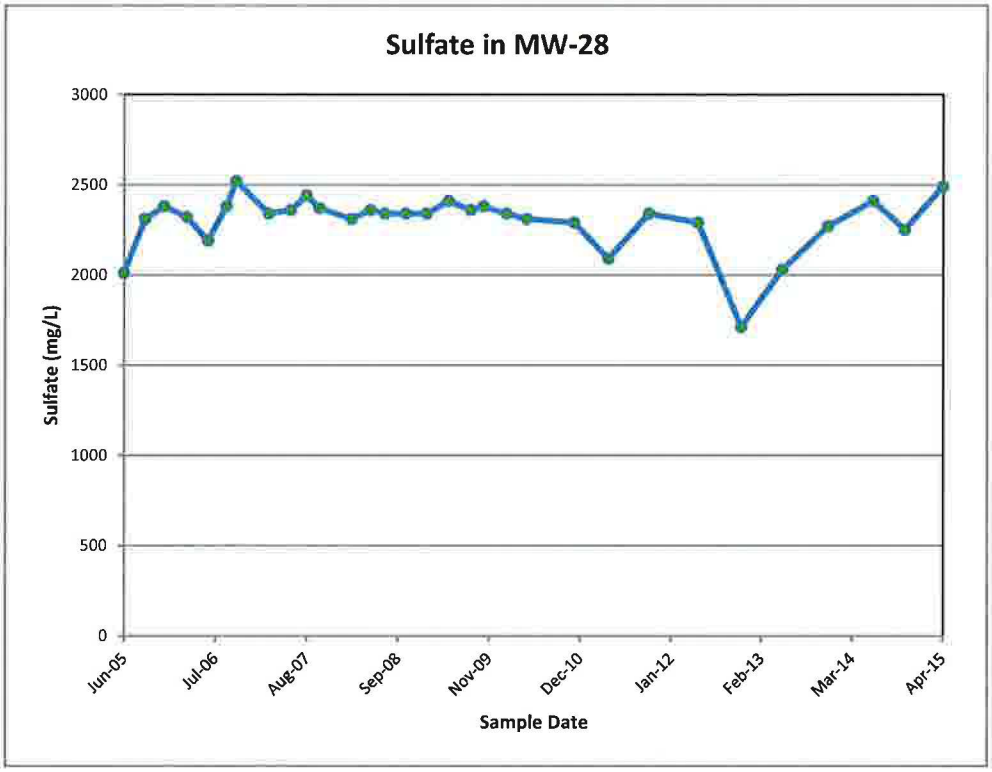


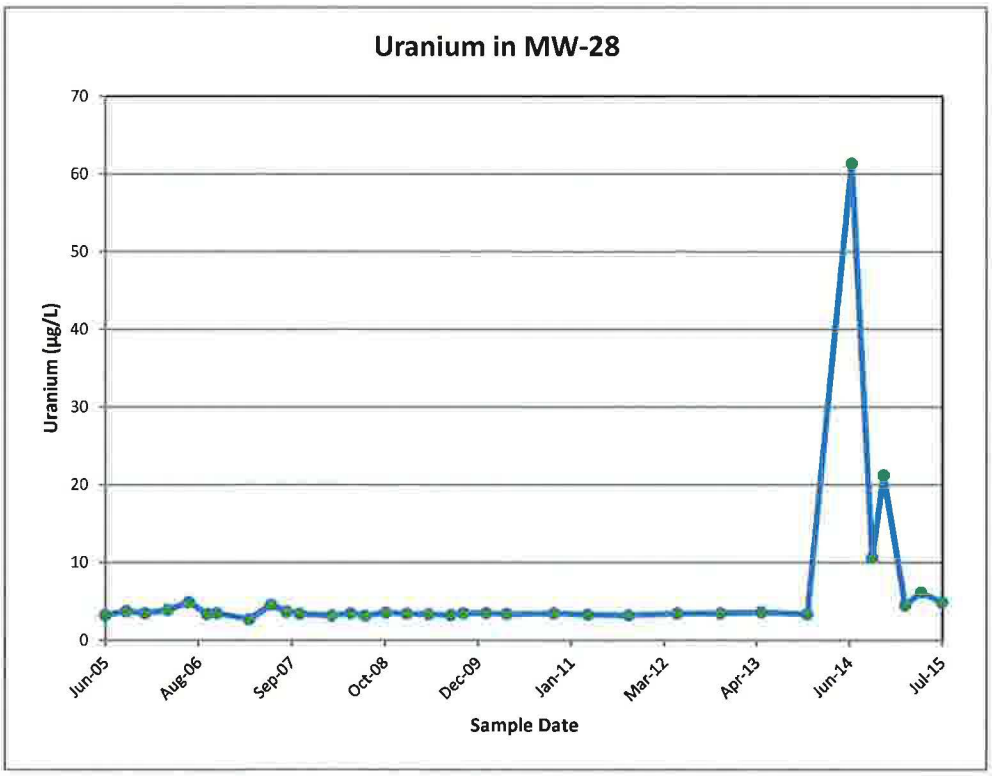


Detected Values

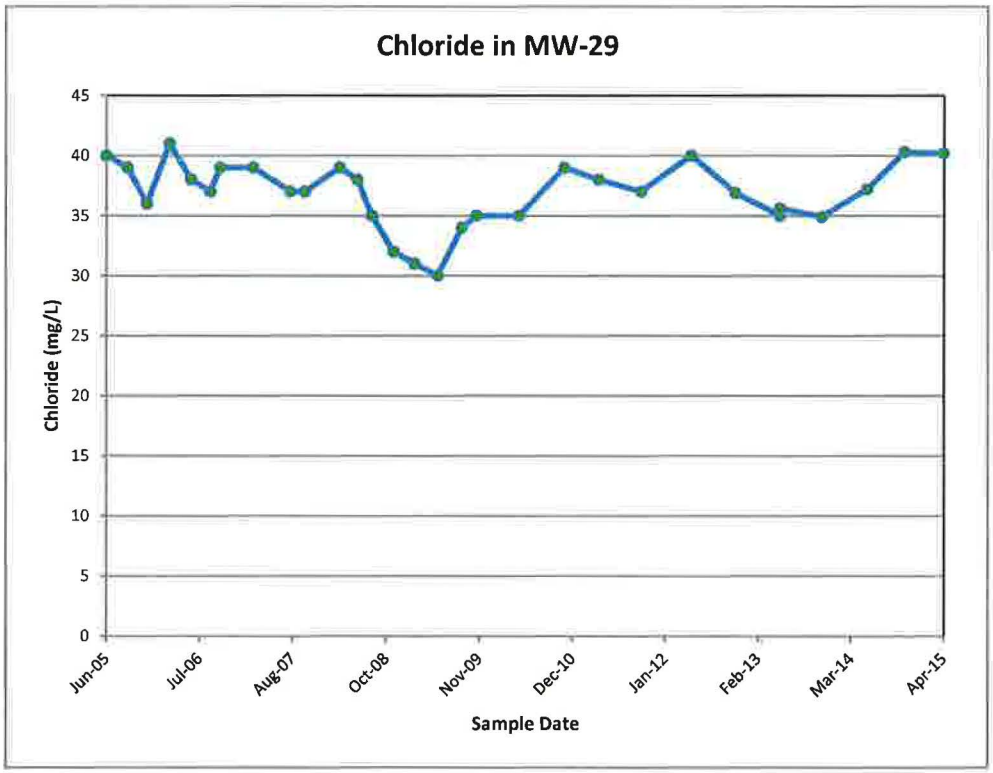
Non-Detected Values

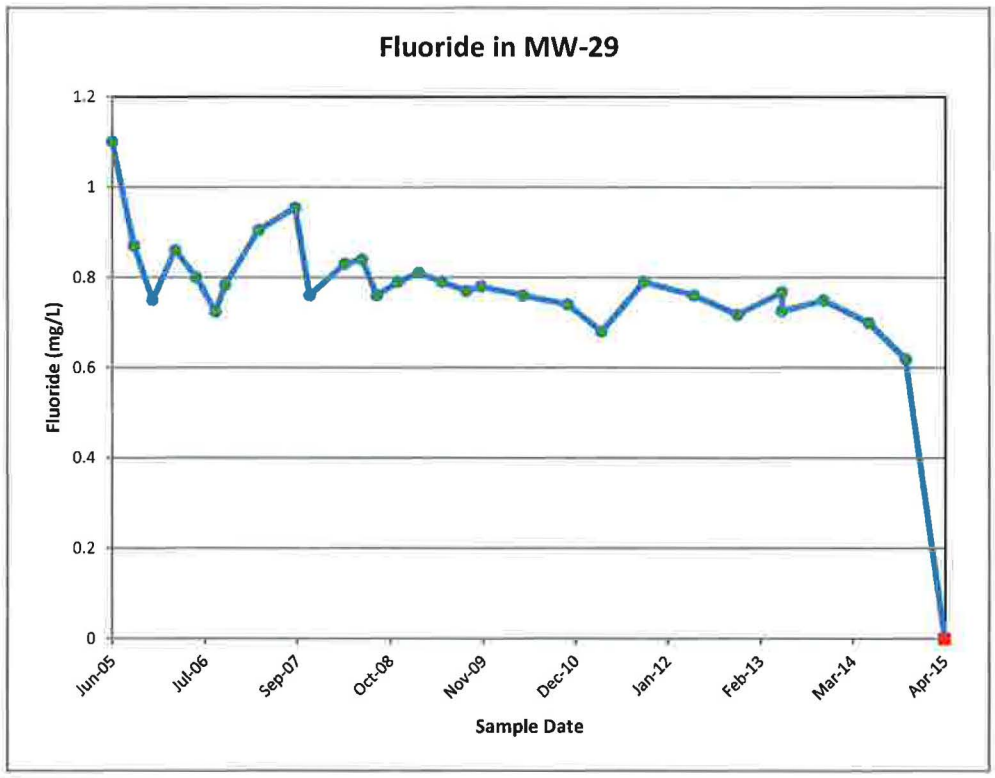
Time concentration plots for MW-28



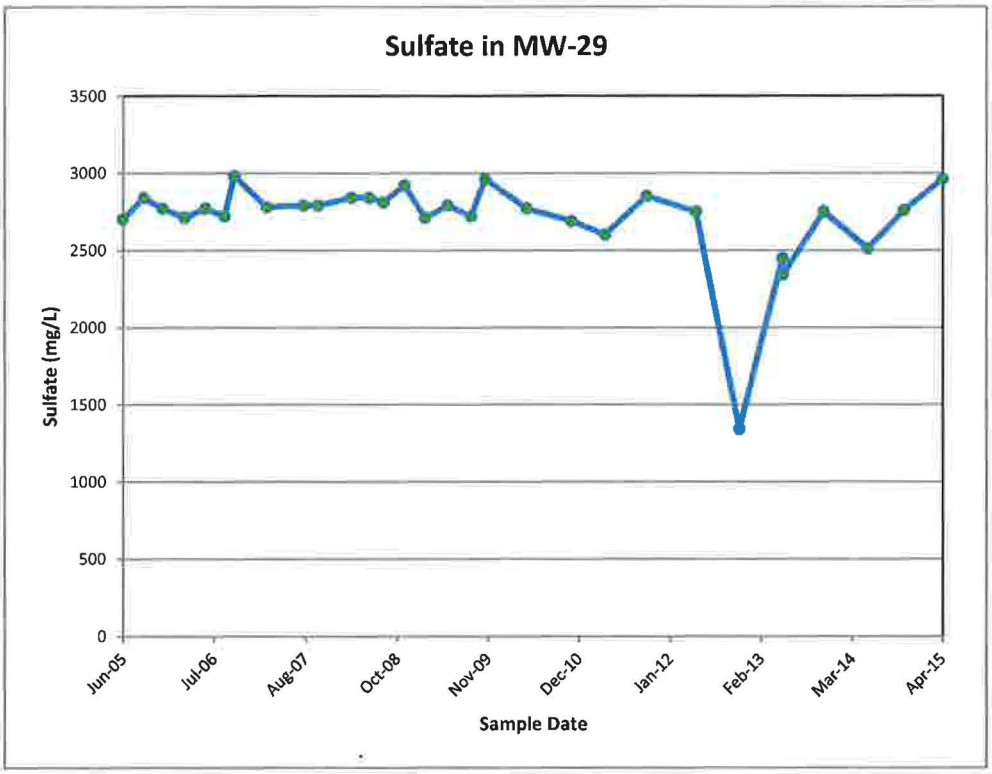


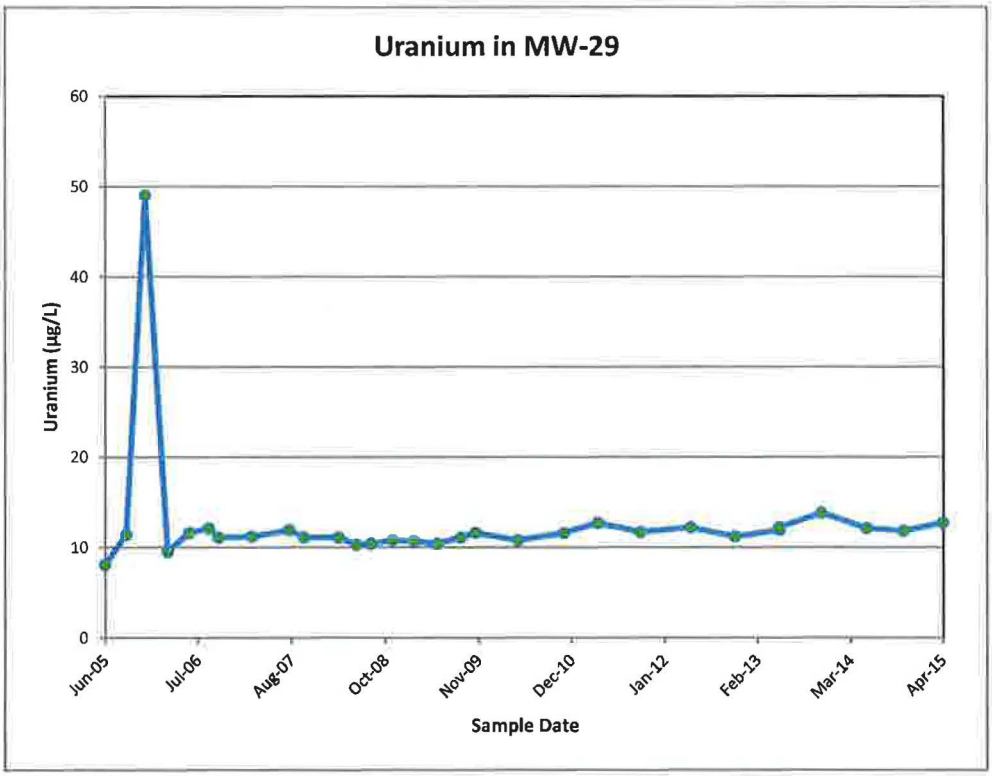
Time concentration plots for MW-29



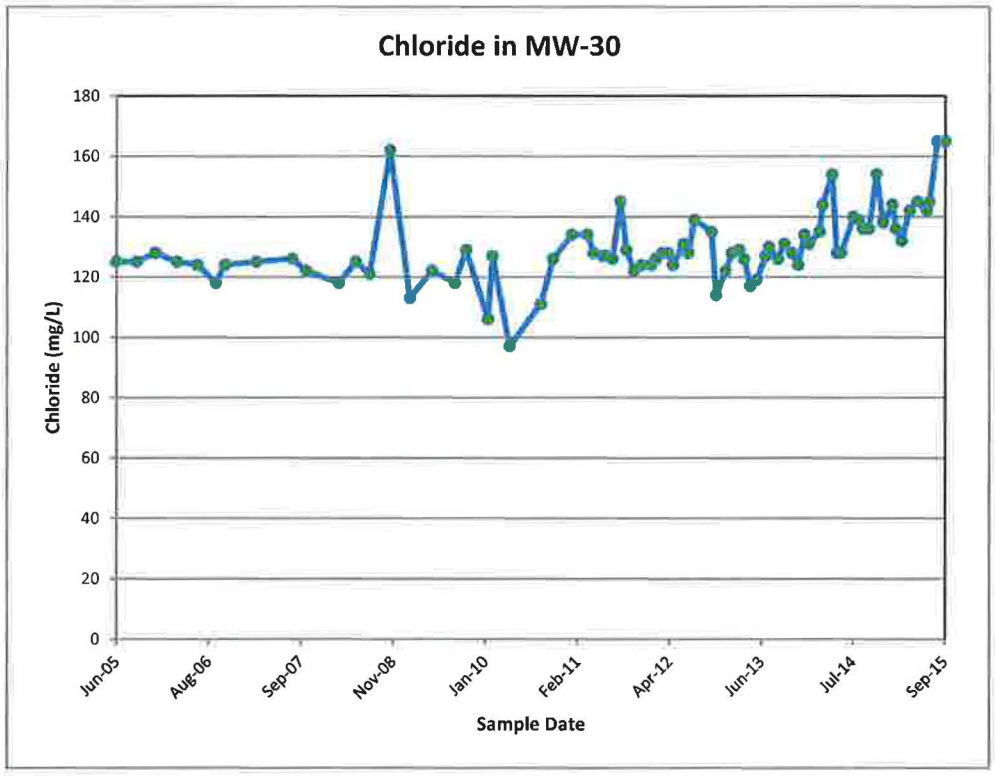


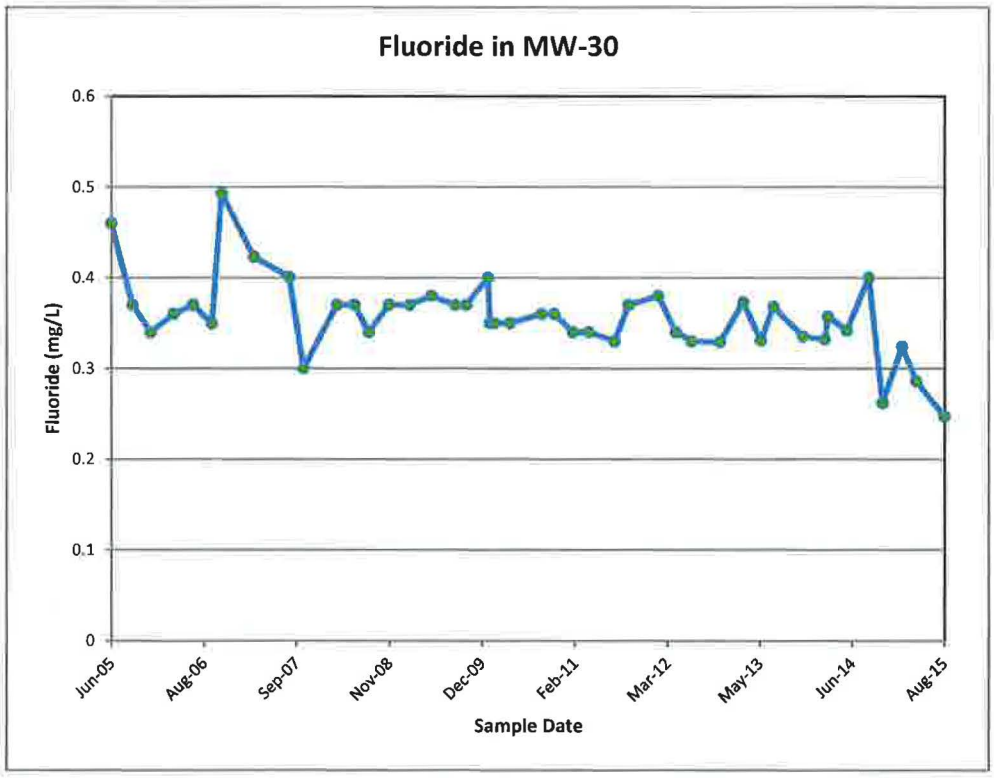
Time concentration plots for MW-29



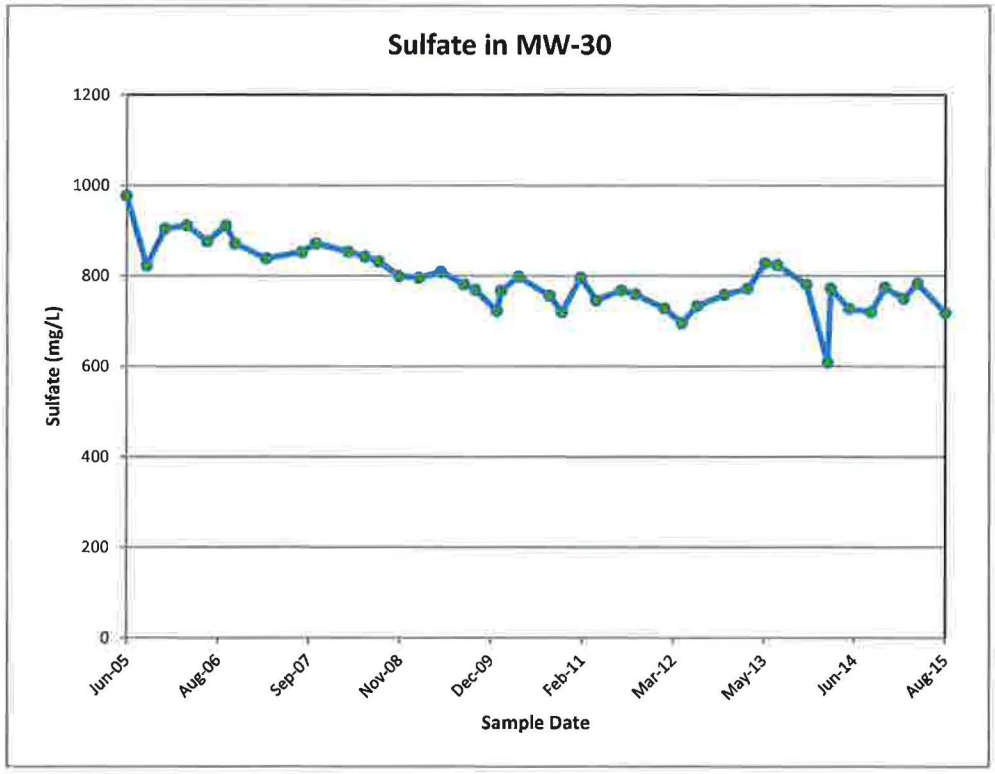


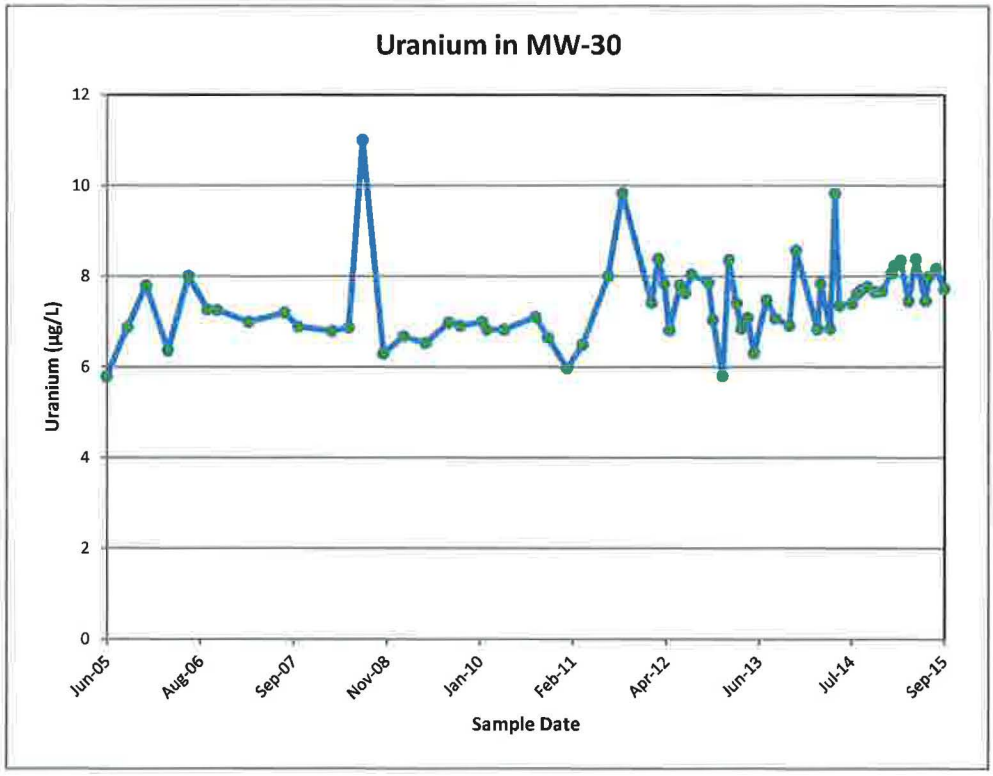
Time concentration plots for MW-30



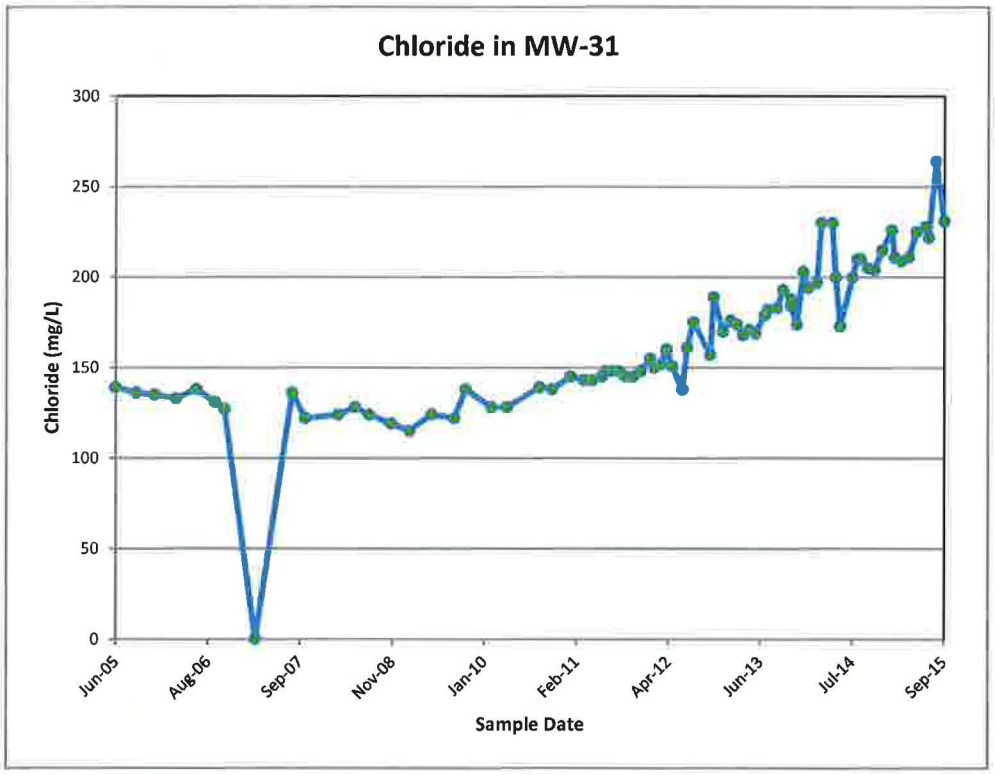


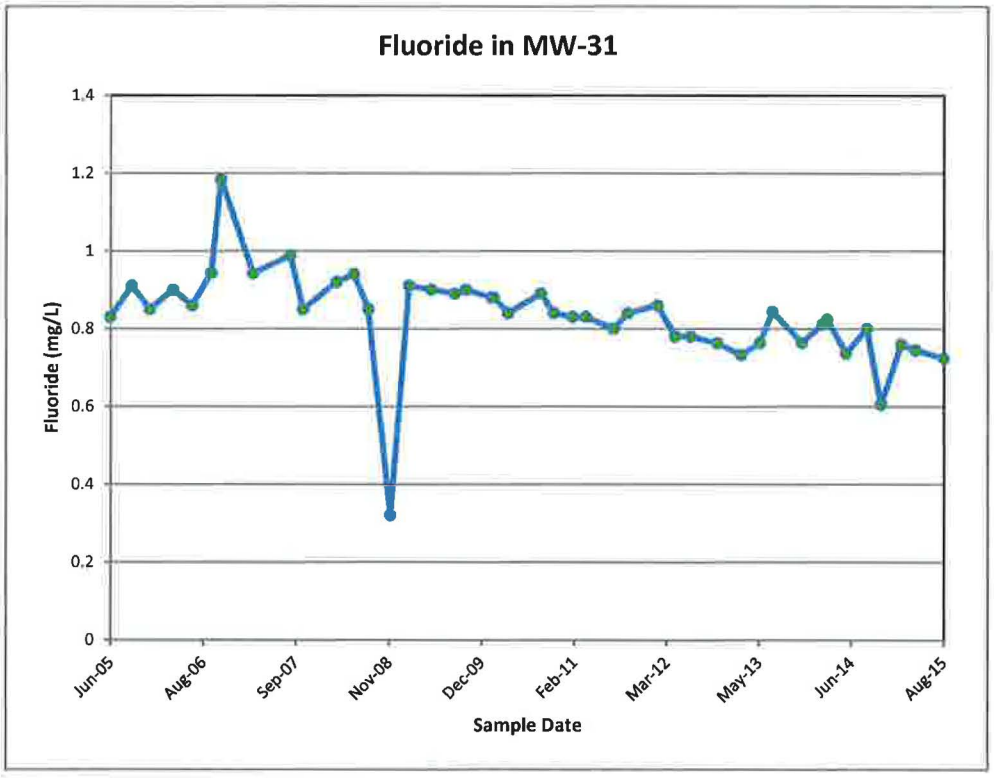
Time concentration plots for MW-30





Time concentration plots for MW-31

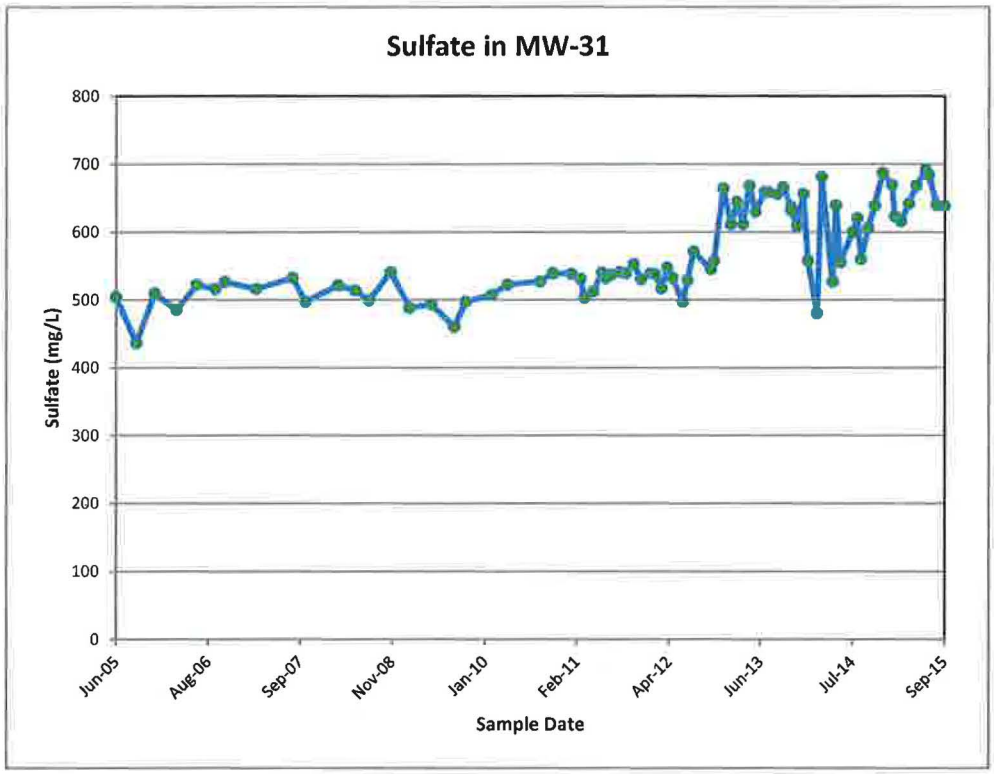


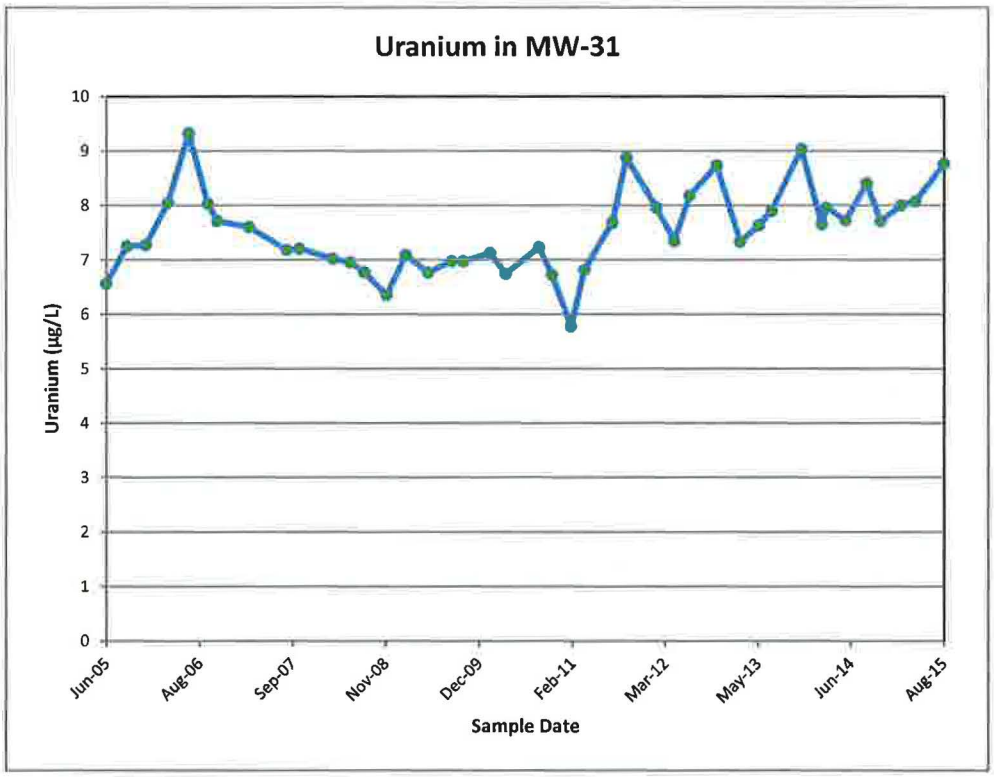


Detected Values

Non-Detected Values

Time concentration plots for MW-31

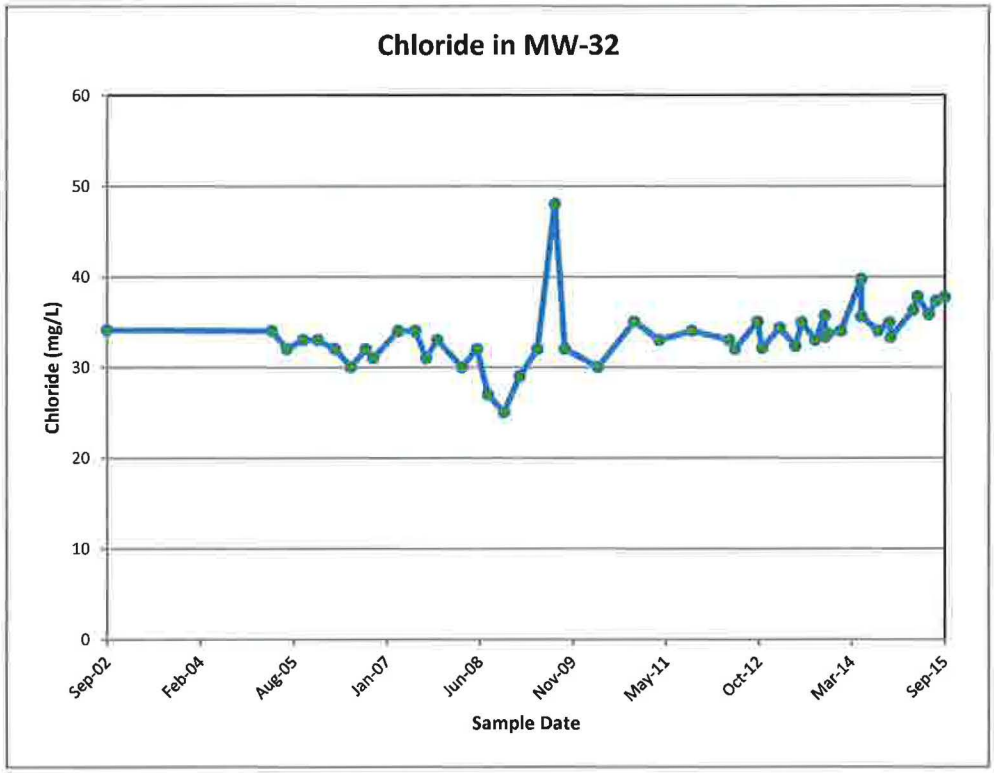


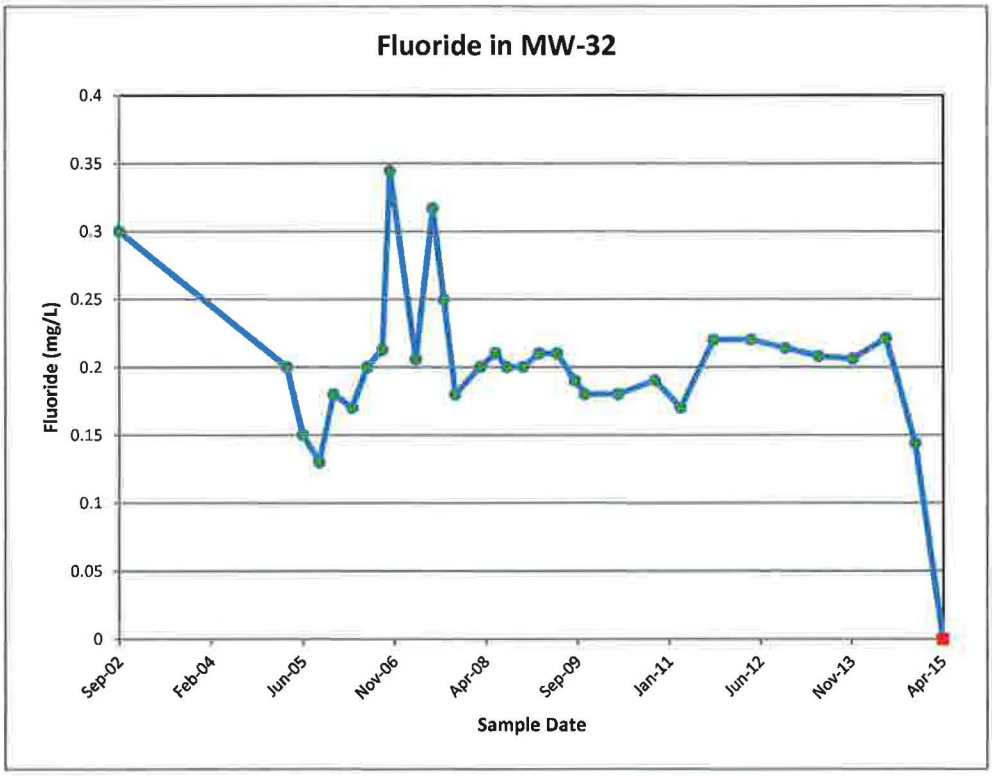


Detected Values

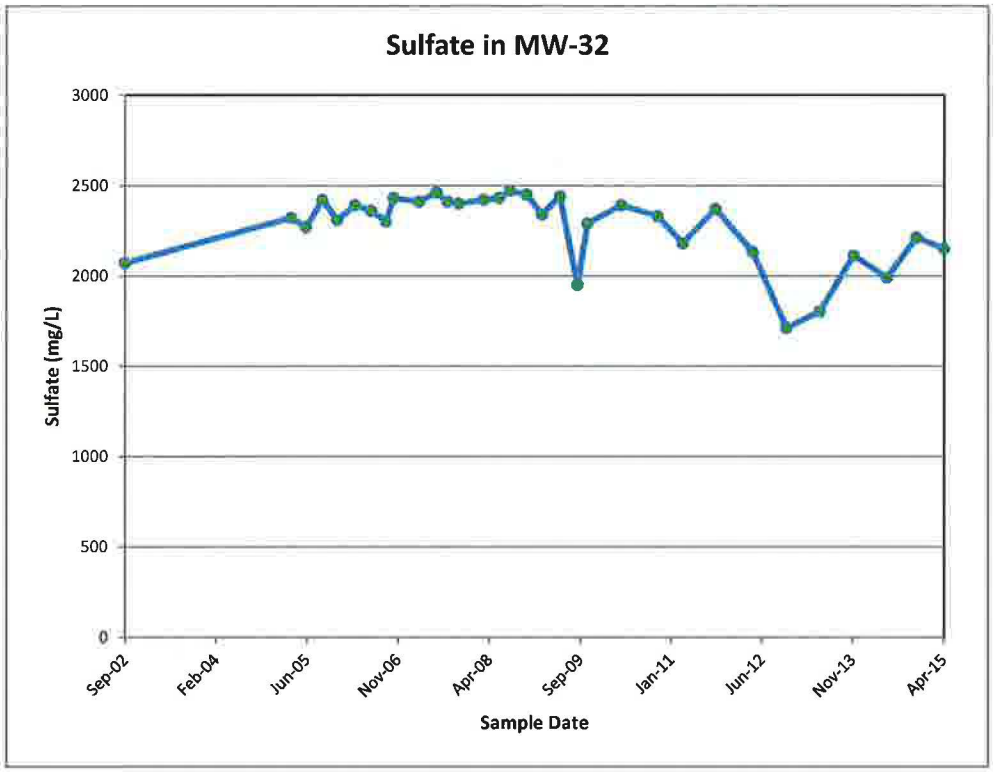
Non-Detected Values

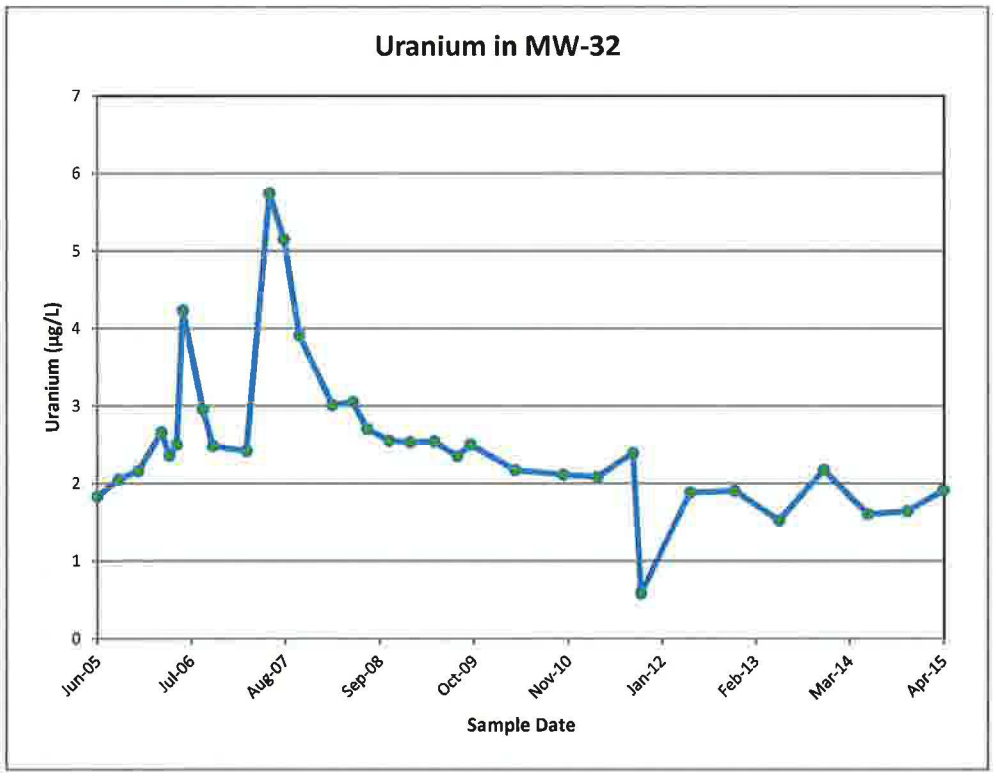
Time concentration plots for MW-32



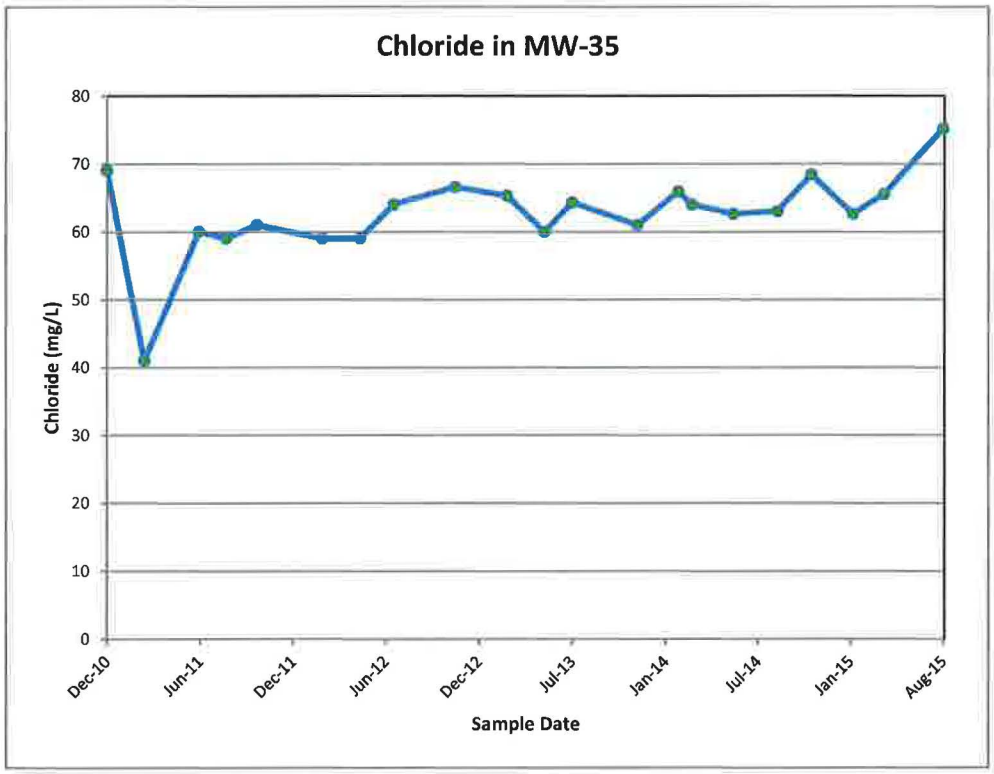


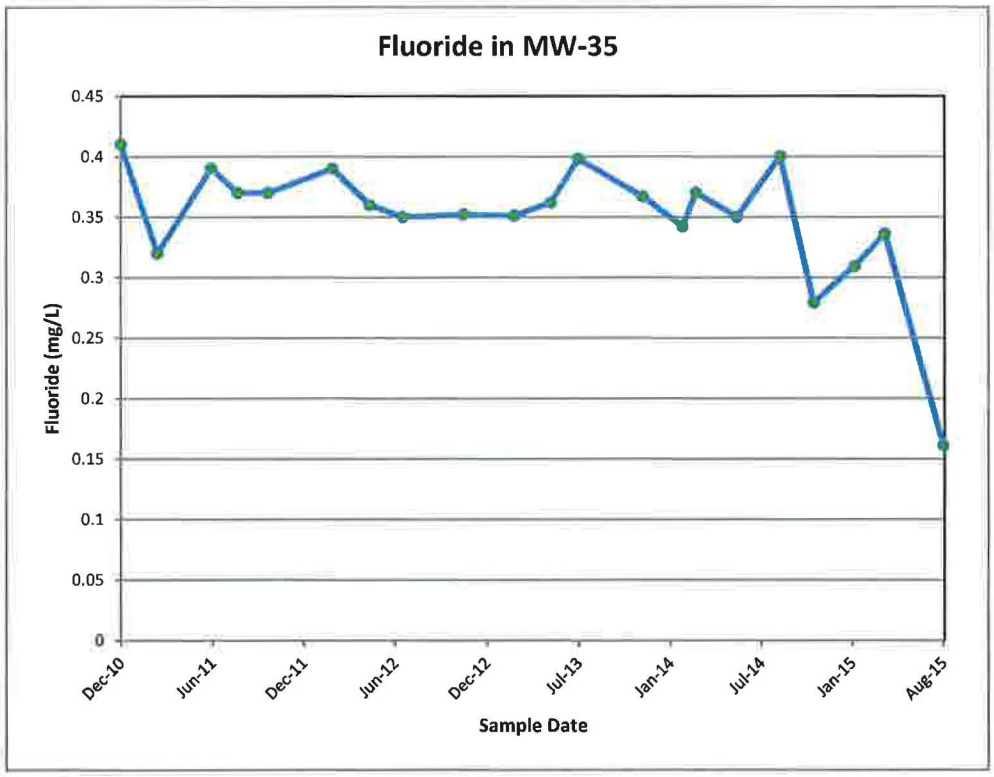
Time concentration plots for MW-32



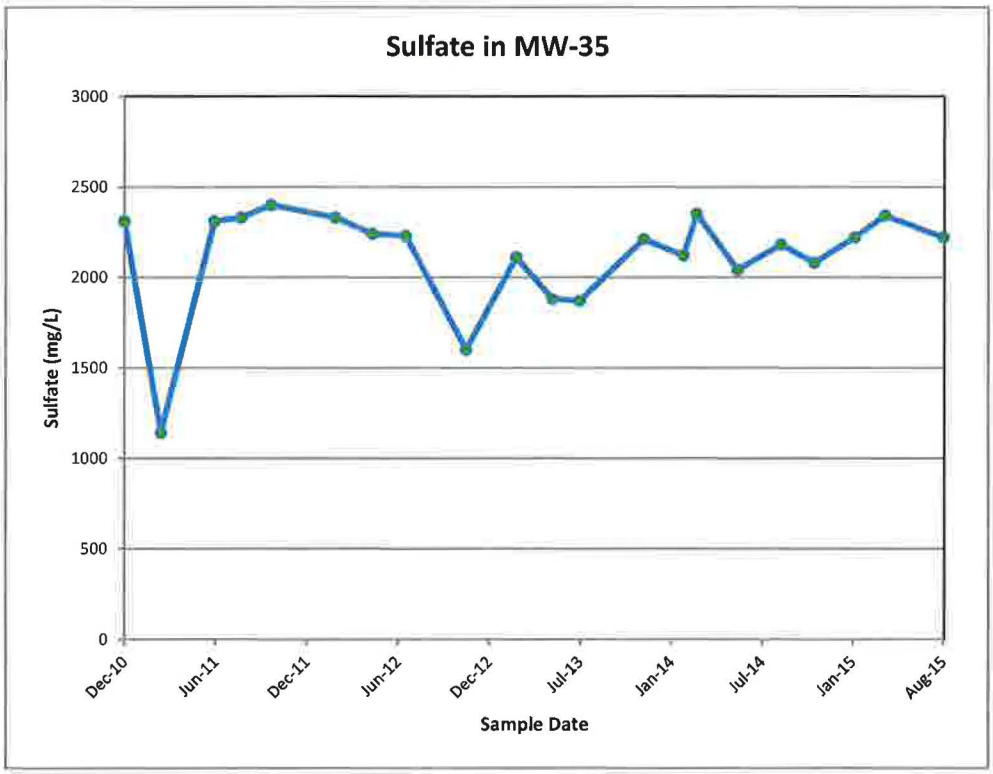


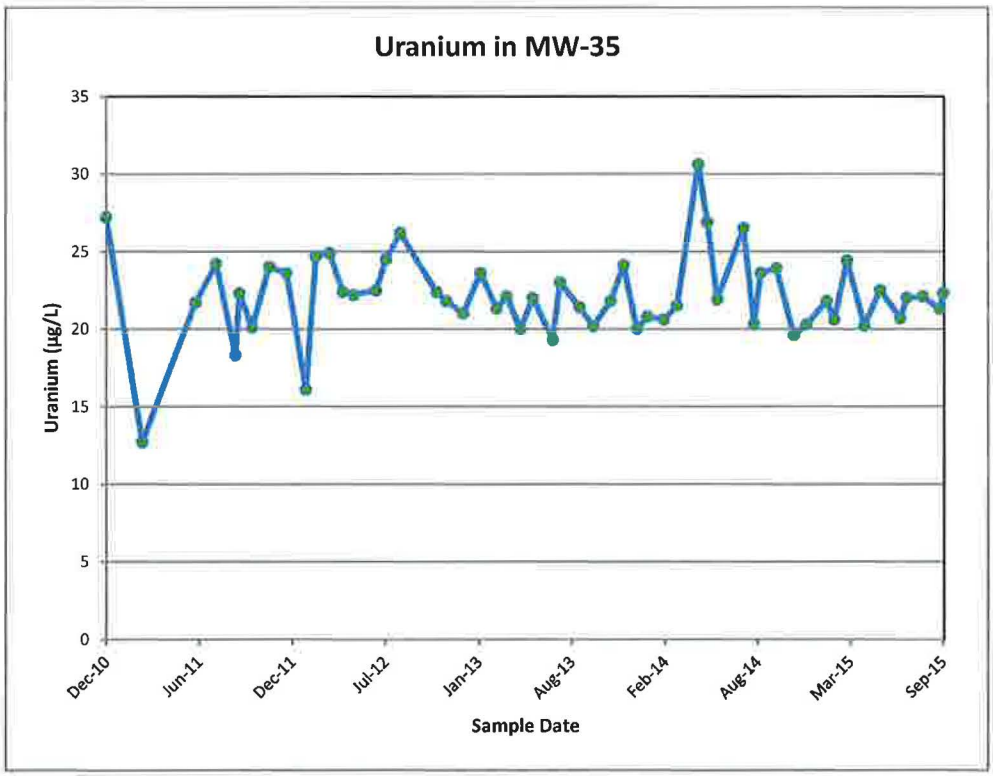
Time concentration plots for MW-35





Time concentration plots for MW-35

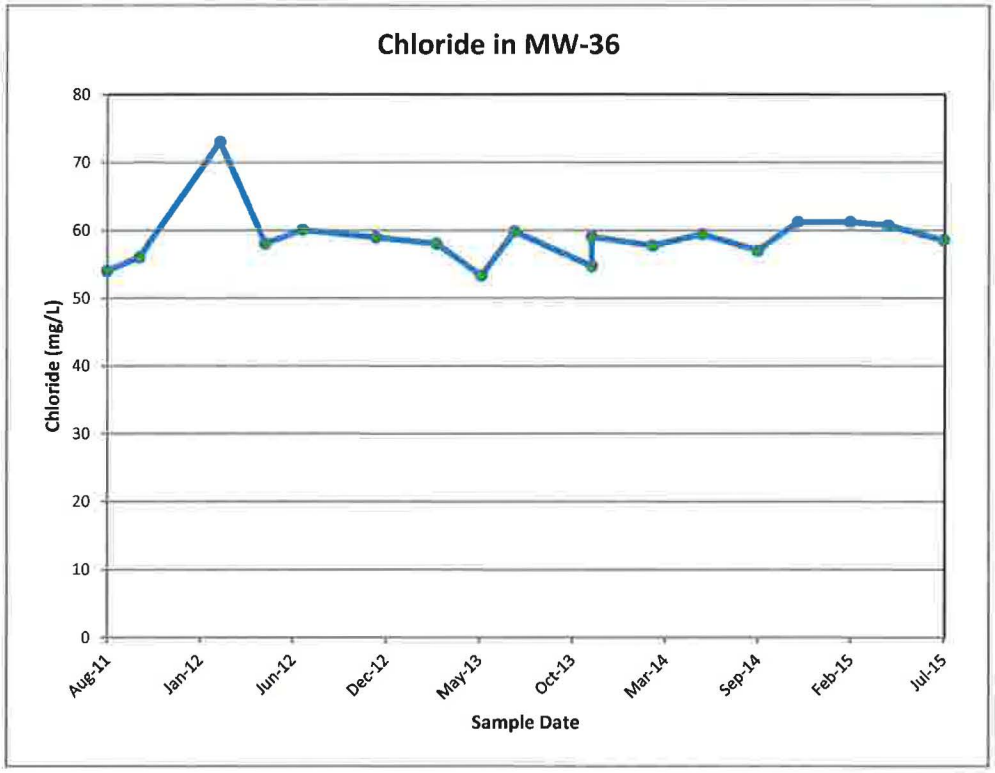


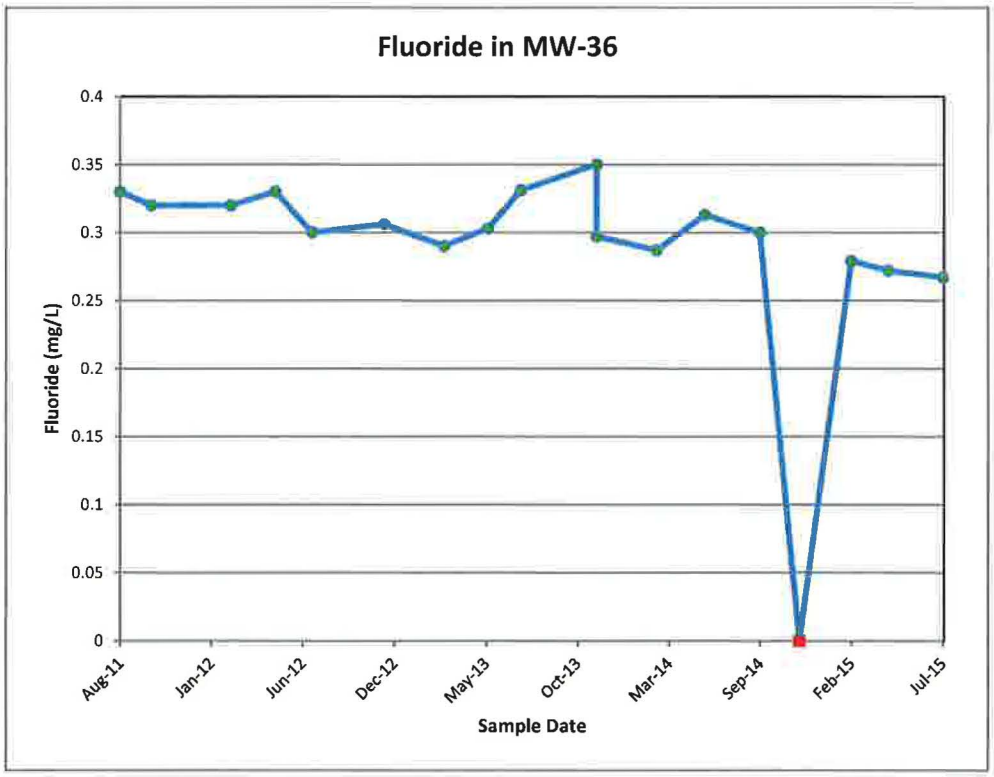


Detected Values

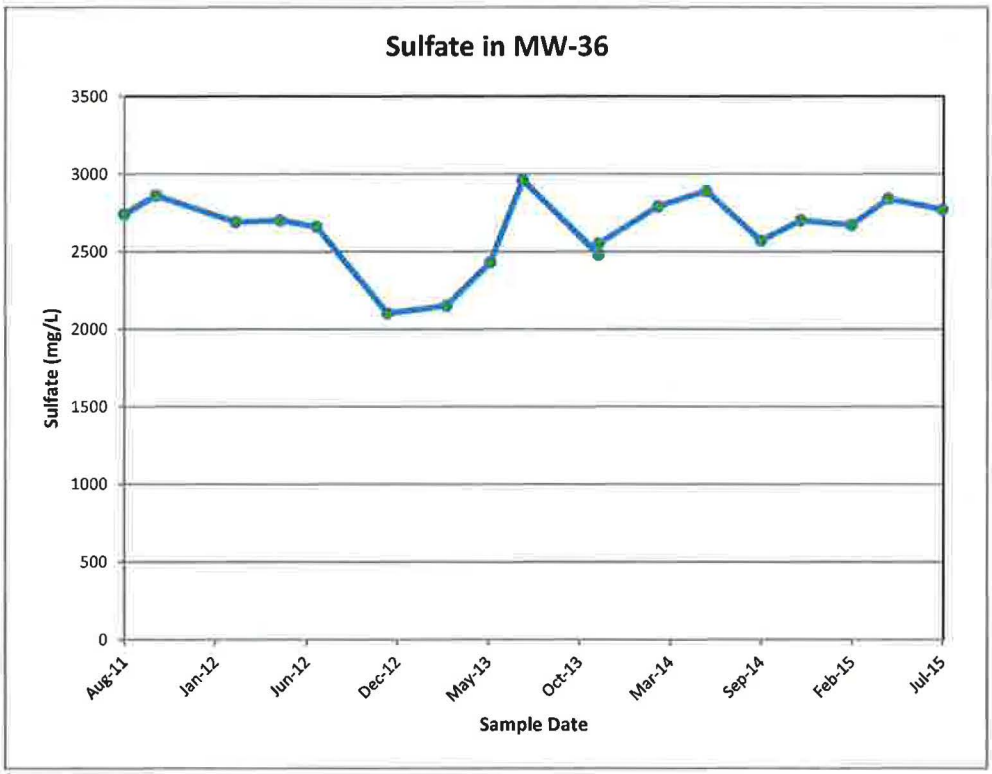
Non-Detected Values

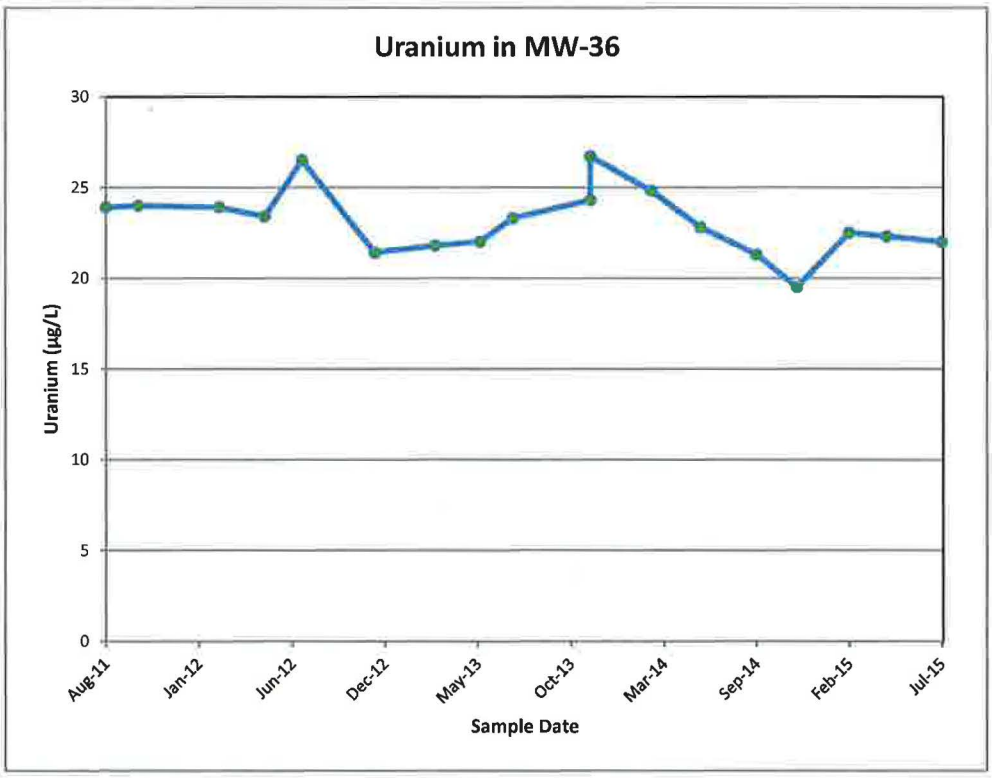
Time concentration plots for MW-36





Time concentration plots for MW-36

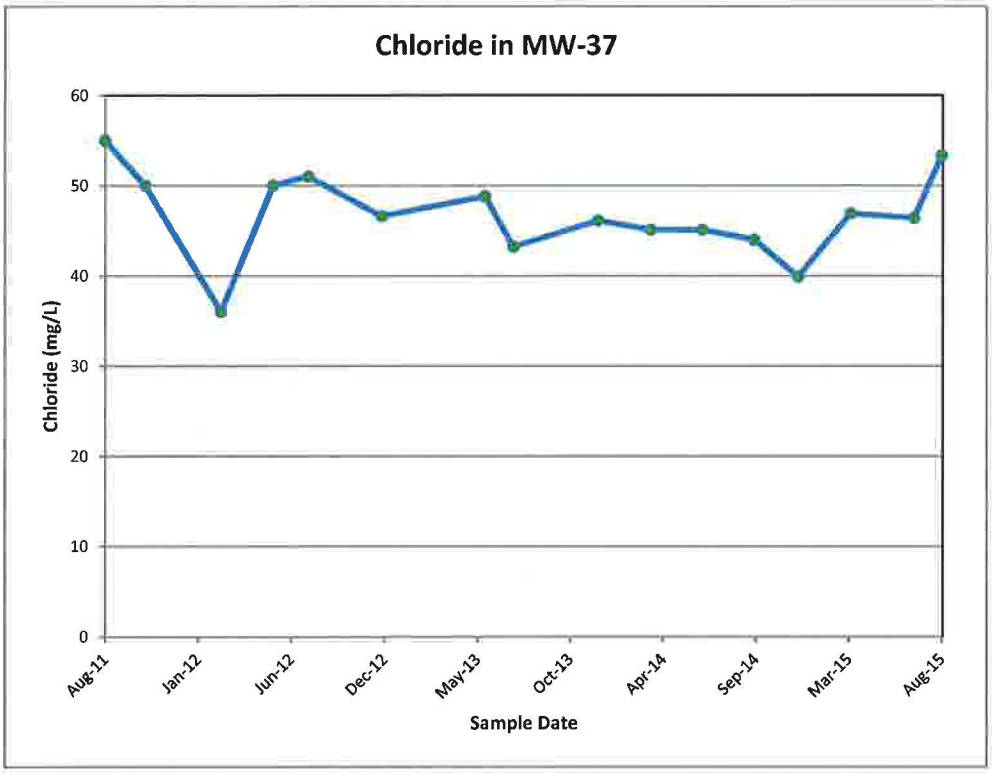


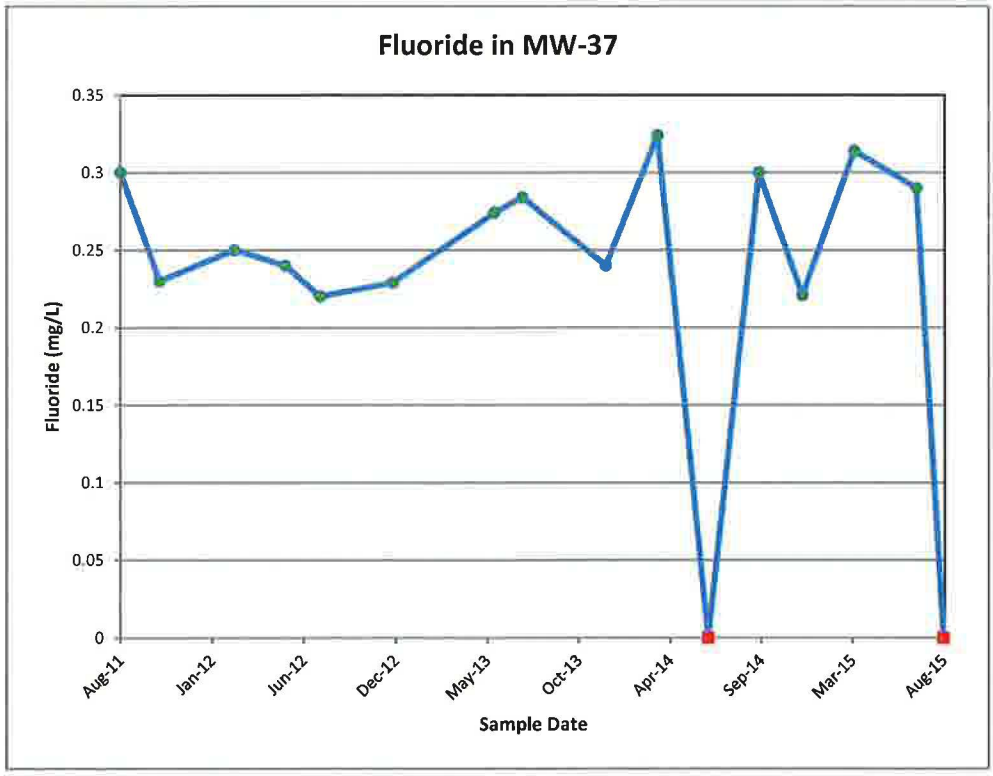


Detected Values

Non-Detected Values

Time concentration plots for MW-37

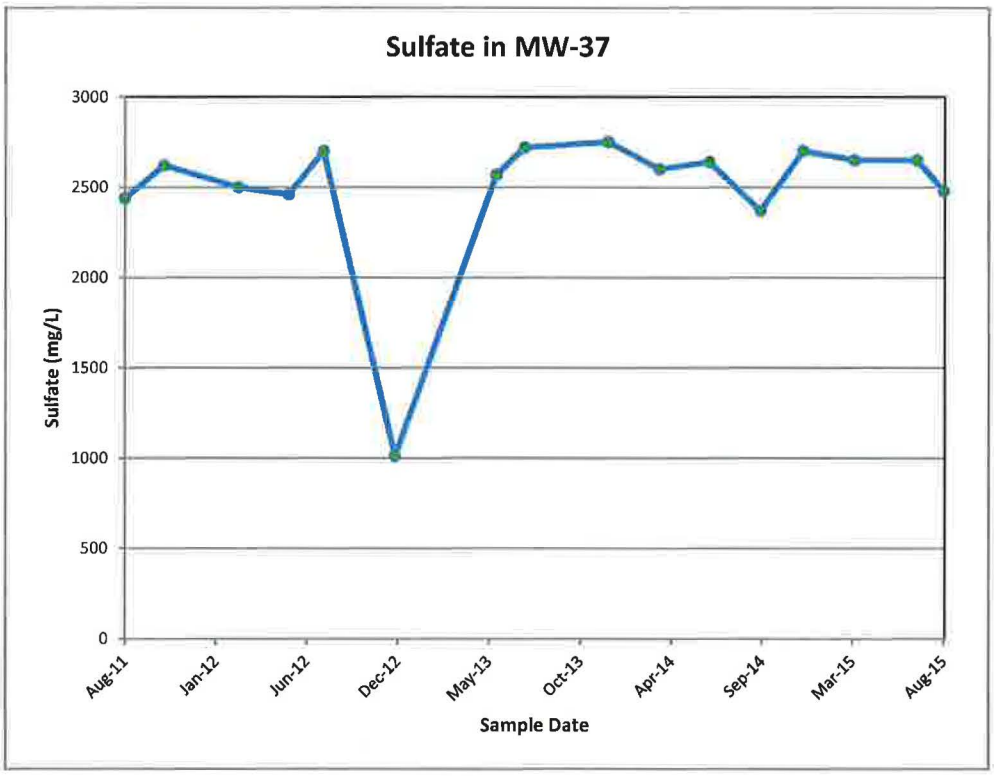


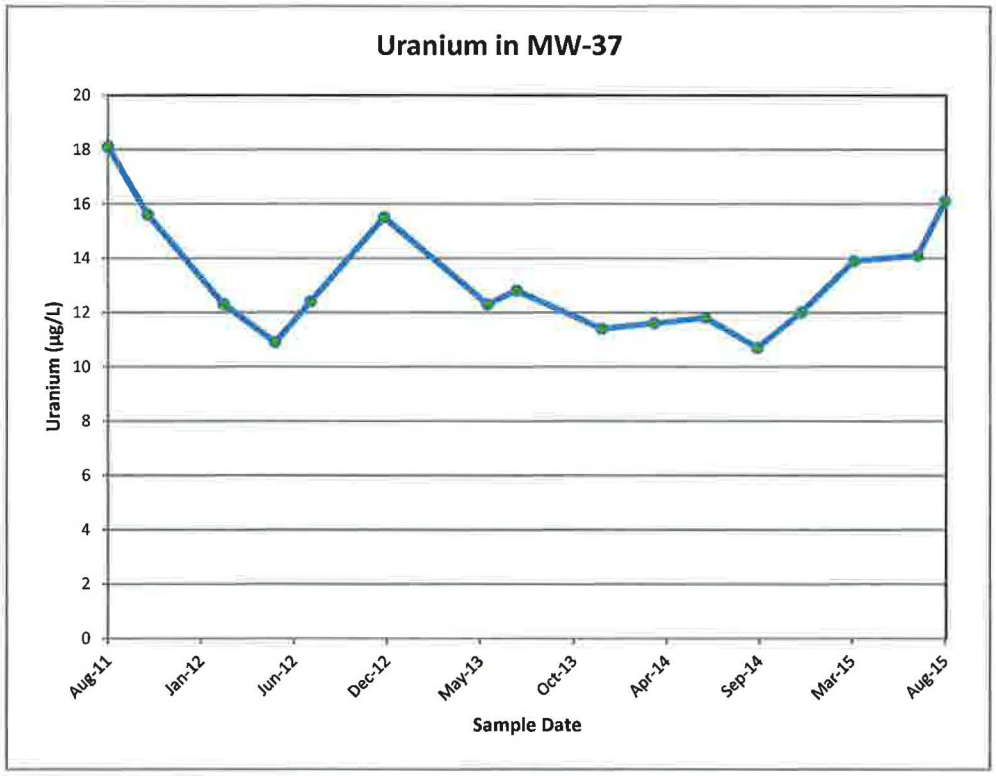


Detected Values

Non-Detected Values

Time concentration plots for MW-37





Detected Values

Non-Detected Values

Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, November 18, 2015 8:52 AM
To: 'Phillip Goble'
Cc: Thomas Rushing; Harold Roberts; David Frydenlund; Jaime Massey; David Turk; Scott Bakken; Logan Shumway
Subject: Transmittal of CSV Files White Mesa Mill 2015 Q3 Groundwater Monitoring
Attachments: GW_Q3 2015.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the third quarter of 2015, 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

Energy Fuels Resources (USA) Inc.

Kathy Weinel
Quality Assurance Manager

t: 303.389.4134 | f: 303.389.4125
225 Union Blvd., Suite 600
Lakewood, CO 80228

http://www.energyfuels.com

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